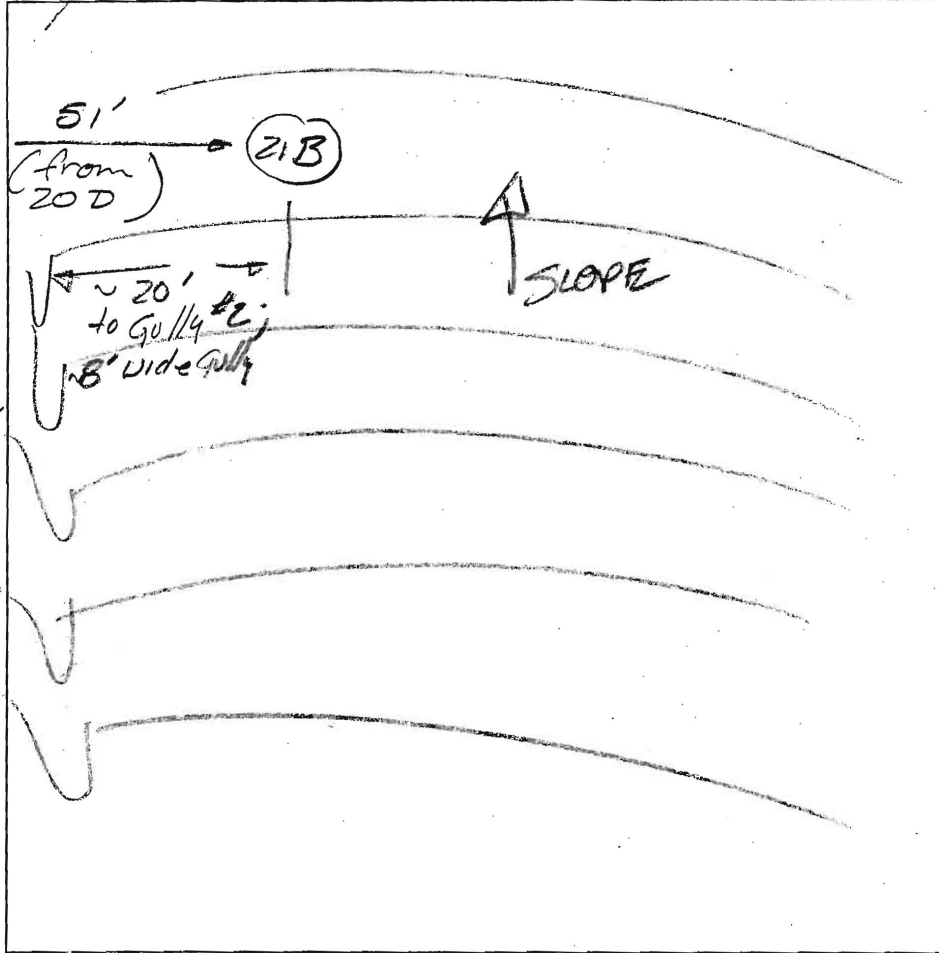


A/P

21B
 Brown loam
 8"
 Yellow Brown Si Clay loam
 5'
 Heavy Red Si loam 2 1/2" 30-40% dark green 105
 6 1/2"
 750 # 1/2" 105
 10"
 Hard mass
 Bottom



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F
11/18/03	21B	5 1/2' 10'	9:47	< 1/4"	10:02	quit	F
TEST, NOT ENOUGH BUFFER							

REMARKS _____
 SANITARIAN FA BACKHOE Willie OTHERS Bob Stecker, Mark Johnson, Dale Johnson
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

AVP
21A

org brn
rd brn
micac.
hvy Loam

4'

brn, bluish
H brn sil

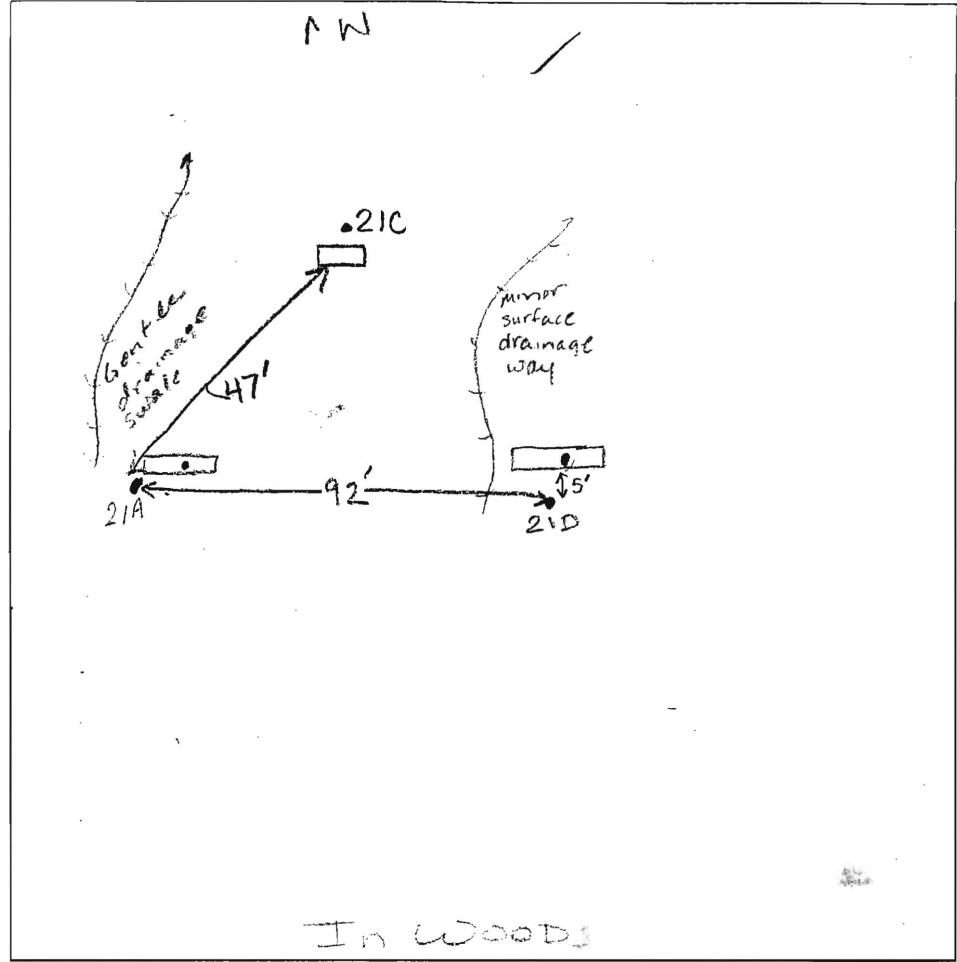
6'

v weak
platy structure
Rz 55%
wk saprolite
25%

10'

cherty
Frag
NE WALL 0/20%
Bottom

12'



21D

Str org
sil
strong Red
rd brn
sil
Loam

4'

5'

Horn
micac
SAND
wk saprolite
small
frag, 0-15%

Bottom

12'

21C

y brn
sil
Micac.

4'

cherty
Frag
wk yellow
Micac
SAND
Rz 15-25%

9'

Bottom

11'

uphill
E side

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H	
11/13/03	21A	6'8" / 12'	2:05	2:07	2:10	3 min	P	
	21D	5'3" / 12'8"	1:57	1:59	2:03	4 min	P	
	21C	5'12" / 11'2"	2:26	2:33	2:36	5 min	P	
	21E	DUG BUT NOT TESTED, LIKE 21C						

REMARKS _____

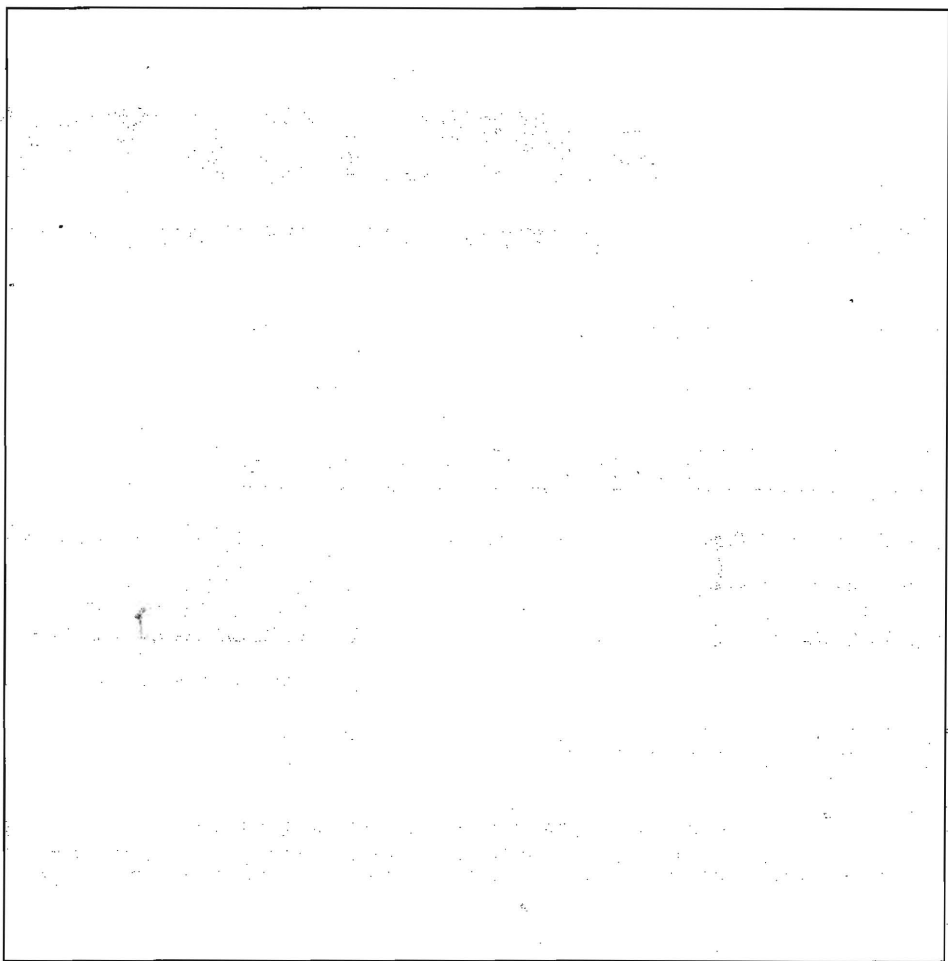
SANITARIAN KC/FA BACKHOE Willic OTHERS Bob Shestey
Mark Johnson
Dale Johnson

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

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

AP 21A1

Sandy loam 8"
 Loamy sand of 75%
 Sticky
 HARD
 BOTTOM
 REFUSE 1/2"



21D?
 Brown loam 6"
 Yellow Brown silty loam 3"
 Cobble rock in loam 4"
 Brown medium pebbly silty loam 11"

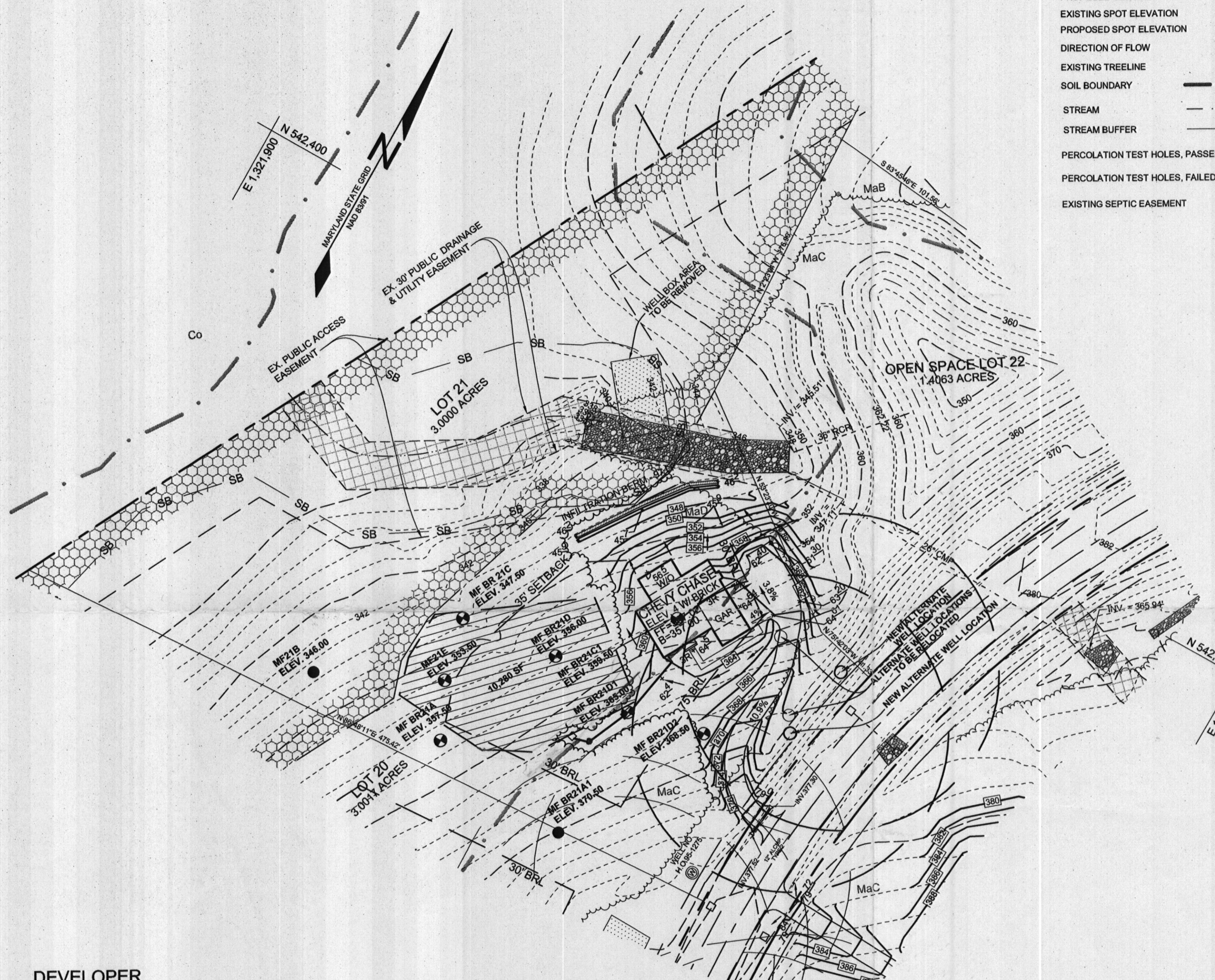
21C1
 Brown loam 4"
 Orange Brown silty loam 3"
 Heavy loam 1590
 Red legs.
 12'

Fly DC-31
 loam 6"
 Red Brown pebbly silty loam 2 1/2"
 Medium silty loam
 loamy soil 11"

21D1
 Brown loam 6"
 Yellow Brown silty loam 2'
 Cobble silty loam 4"
 Heavy Grass 5'
 Brown silty loam 9"
 Brown loamy soil 15"
 Red Rock 11"

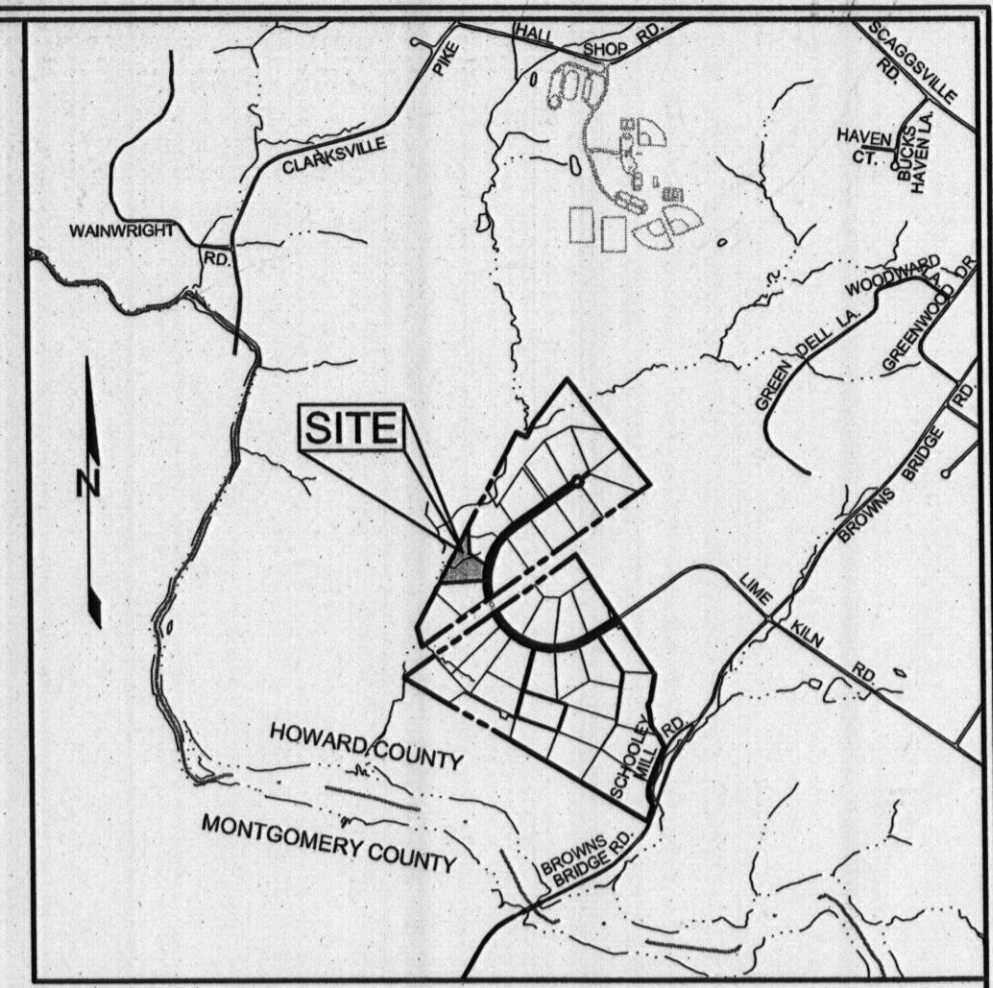
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
12/16/03	21A1	/	NOT TESTED		SHALLOW ROCK		F
	21C1	5' 12"	1 08	1 11	1 15	4min	P
	21D1	6' 11"	1 09	1 11	1 14	3min	P
	21D2	5' 11"	1 15	1 16	1 17	1min	
	Fly DC-31	19'	1 19	1 21	1 24	3min	D

REMARKS _____
 SANITARIAN FA/LB BACKHOE Smolder OTHERS Deke Johnson, Paul Johnson, Bob Schoesley
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



LEGEND

- EXISTING CONTOUR 382
- PROPOSED CONTOUR 382.3
- EXISTING SPOT ELEVATION +82.53
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- EXISTING TREELINE
- SOIL BOUNDARY
- STREAM
- STREAM BUFFER
- PERCOLATION TEST HOLES, PASSED
- PERCOLATION TEST HOLES, FAILED
- EXISTING SEPTIC EASEMENT



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

1. SUBJECT PROPERTY ZONED RR-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
2. TOTAL AREA OF LOTS = 3.0000 AC.
3. PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
4. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
5. PROPOSED SEPTIC SYSTEM AND EASEMENT WILL SERVE THIS PROPOSED 5 BEDROOM HOUSE.
6. BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PREPARED ROBERT H. VOGEL ENGINEERING, INC., DATED AUGUST 2005.
7. TOPOGRAPHY IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY SILL, ADCOCK & ASSOCIATES, LLC DATED SEPTEMBER 2010.
8. PROPERTY ADDRESSES: 12881 LIME KILN ROAD.
9. DEED REFERENCE: LIBER 12580, FOLIO 00016.
10. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
11. THE EXISTING WELLS SHOWN ON THIS PLAN, WELL TAG #95-1275 HAS BEEN FIELD LOCATED BY SILL, ADCOCK & ASSOCIATES, LLC IN SEPTEMBER 2010 AND ARE ACCURATELY SHOWN.
12. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED FOREST CONSERVATION EASEMENT AREAS.
13. THERE ARE NO WETLANDS OR WETLAND BUFFERS, HISTORIC STRUCTURES, OR CEMETERIES LOCATED ON-SITE.
14. FLOODPLAINS, STREAMS, AND STREAM BUFFERS HAVE BEEN SHOWN BASED ON F-06-107.
15. FOREST CONSERVATION HAS BEEN PROVIDED FOR THIS LOT UNDER F-06-107.
16. DENOTES PUBLIC FOREST CONSERVATION EASEMENT. THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENTS ARE ALLOWED.
17. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
18. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
19. PERC HOLE LOCATIONS AND ELEVATIONS SHOWN BASED ON PERCOLATION CERTIFICATION PLAN SIGNED ON OCTOBER 1, 2007.
20. THE PURPOSE OF THIS AMENDED PERCOLATION CERTIFICATION PLAN IS TO REMOVE THE WELL BOX AND REVISE THE ALTERNATE WELL LOCATIONS ON LOT 21.

DEVELOPER

CRAFTMARK HOMES
6820 ELM STREET, SUITE 200
MCLEAN, VIRGINIA 22101
703-287-0582

OWNER

MAPLE ESTATES, LC
5074 DORSEY HALL DRIVE, SUITE 205
ELLCOTT CITY, MARYLAND 21042
410-720-3021

PLAN VIEW
SCALE: 1"=50'

SOILS LEGEND

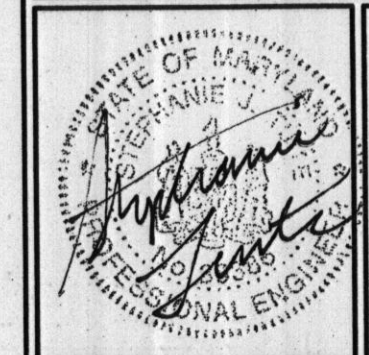
SYMBOL	NAME / DESCRIPTION	GROUP
Co	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT SLOPES	D
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B

AMENDED PERCOLATION CERTIFICATION PLAN
LIME KILN VALLEY, PHASE I & II

LOT 21
12881 LIME KILN ROAD

TAX MAPS 40 & 45 GRIDS 21 & 4
FIFTH ELECTION DISTRICT

PARCELS 114 & 12
HOWARD COUNTY, MARYLAND



Sill · Adcock & Associates · LLC
Engineers · Surveyors · Planners

3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@saaland.com

DESIGN BY: SJT
DRAWN BY: SJT
CHECKED BY: PS
SCALE: AS SHOWN
DATE: DECEMBER 1, 2011
PROJECT #: 10-021
SHEET #: 1 of 1

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

B. Wilson for Peter Zilensson 12/12/2011
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS 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. 38386, EXPIRATION DATE: JANUARY 12, 2012

