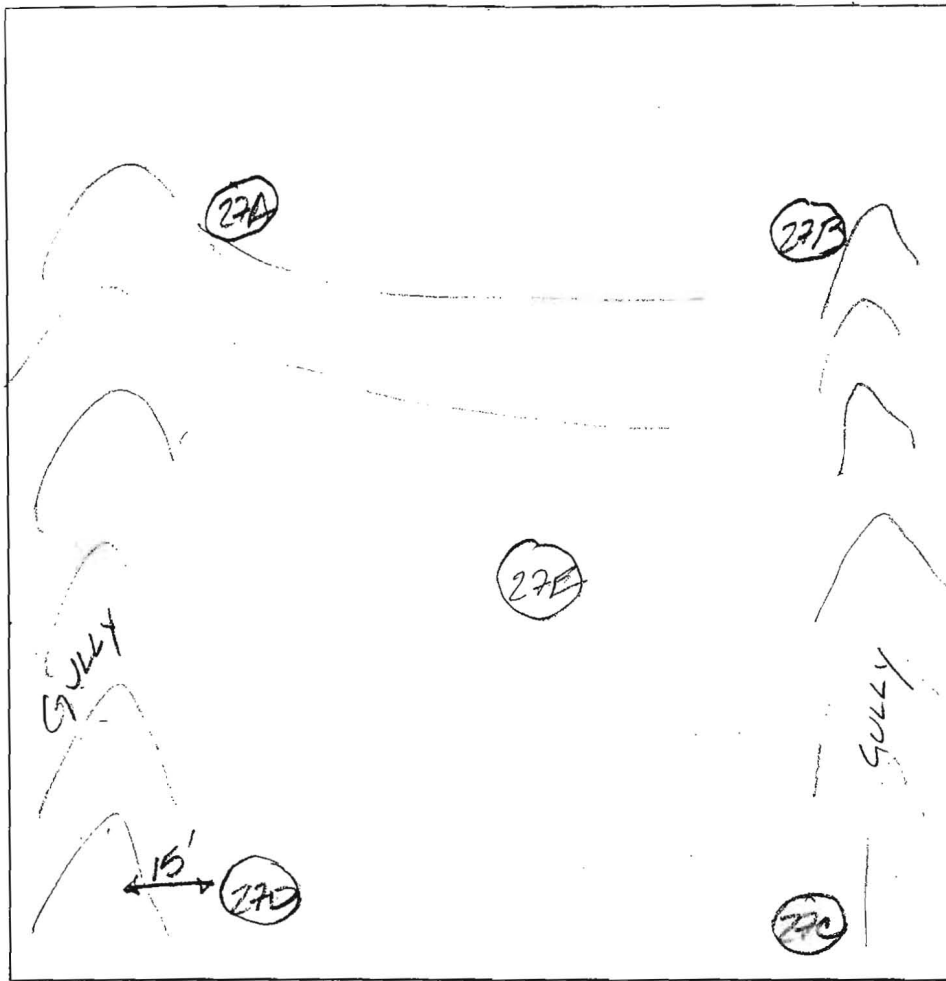


A/P

77D
 Brown loam 8'
 Yellow Brown Siloam 5'
 Yellow Brown Siloam 5-10% cherty mica schist (HARD BOTTOM) 11'

77C
 Brown loam 4"
 Brown Yellow Brown Yellow Siloam 6'
 Brown loam sand 9/10-25% cherty mica schist 11 1/2'



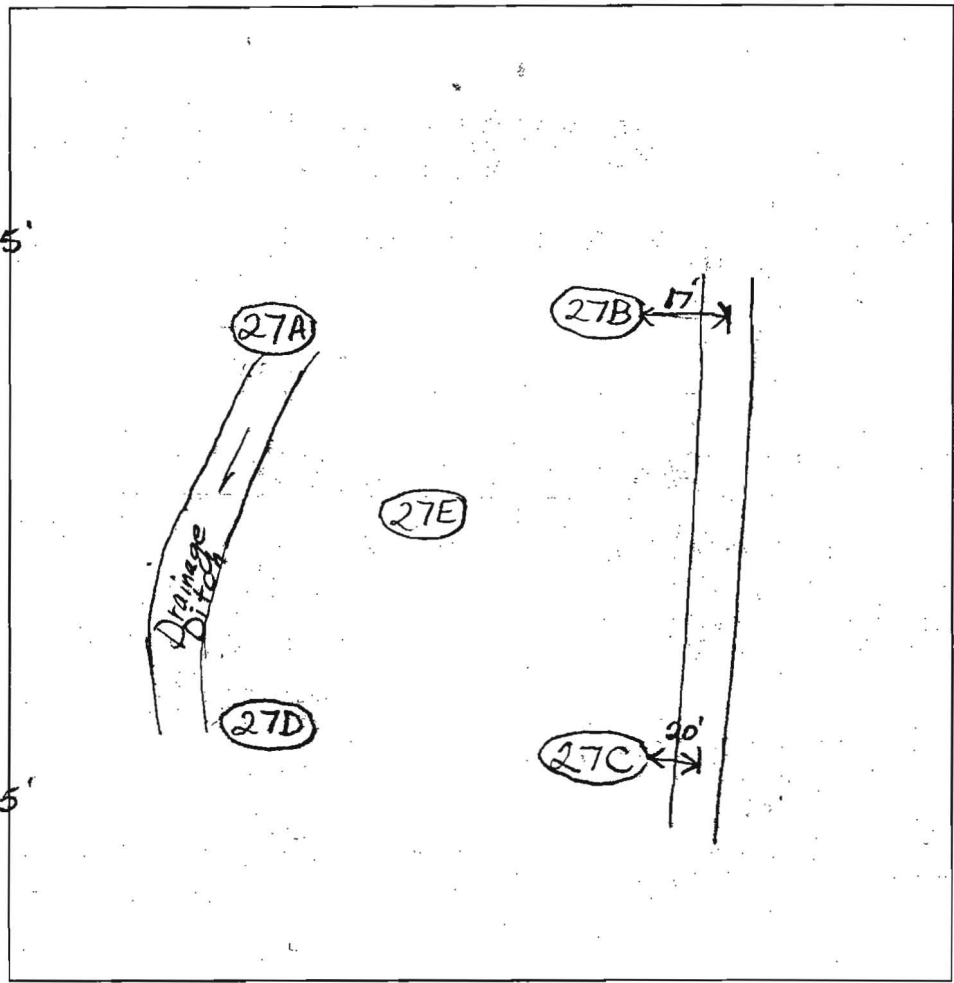
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
10/23/03	27D	5' / 11'	10 36	10 43	10 50	7 min	
	27C	6 1/2' / 11 1/4'	11 03	11 03 45	11 04 52	1 min 7 sec	
	RETEST	5' / 11 1/2'	11 15 12	11 16 21	11 19 43	22 sec 3 min	
	RETEST	6 1/2' / 11 1/2'	11 33	11 36	11 41	5 min	

REMARKS _____
 SANITARIAN FA BACKHOE _____ OTHERS Rob Shasky, Mark Johnson, Dale/Mike Johnson
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

A/P (27E)
 Br Loam 3.5'
 Red Br Si Loam 4'-4.5'
 Med Br Sa Loam 35-40% Rock
 Hard Bottom 11'

(27B)
 Br Loam 3'-3.5'
 Med Br Loam Turning Or Br
 Vein of ~50% Rock From 8.5' to 10.5'
 Otherwise 11.3'

(27A)
 Br Loam 3.5'
 Or Br Sa Loam 20-25% Rock and Saprolite
 Hard Bottom 11'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
10/23/03	27E	6'3"/11'V	10:52	10:52:50	10:52:50	10:54	70 sec
	Repair	6'3"	10:56	10:57:10	10:57:10	10:59	1 min 50 sec
		4.5'	11:09:30	11:11:45	11:11:45	11:15	~3
	27B	4.5'/11.3"	11:20	11:21:30	11:21:30	11:24:35	3
	27A	4'8"/11'V	11:42	11:44	11:44	11:47:50	~4
Numerous Ravines/Gulleys Uphill of Easement							
Center Gully ~15' Inside Easement Near Hole 27A							

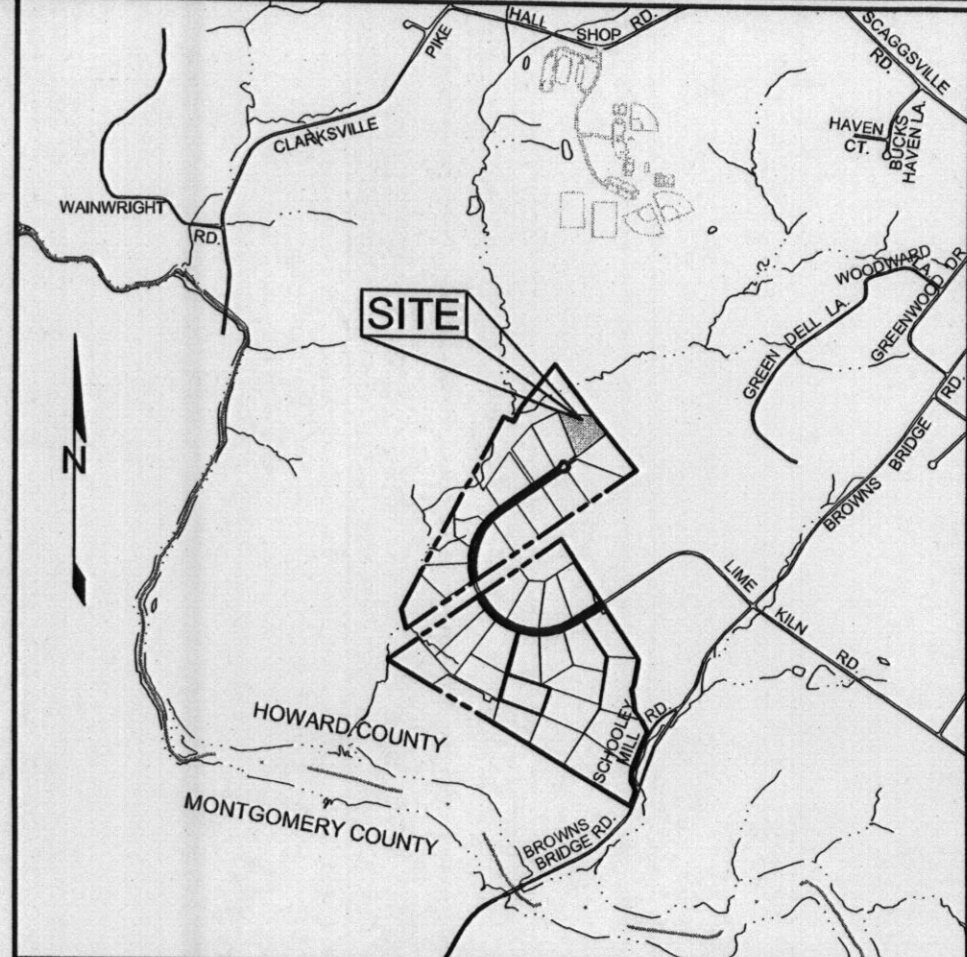
REMARKS 15' From 27D Stake to Center of Gully / Swale
 SANITARIAN BB BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____



PLAN VIEW
SCALE: 1"=50'

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- EXISTING TREELINE
- SOIL BOUNDARY
- EXISTING PERCOLATION TEST HOLE, PASSED



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 = 3.0839 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. BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PREPARED ROBERT H. VOGEL ENGINEERING, INC., DATED AUGUST 2005.
6. TOPOGRAPHY IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY SILL, ADCOCK & ASSOCIATES, LLC DATED SEPTEMBER 2010.
7. PROPERTY ADDRESSES: 12913 LIME KILN ROAD.
8. DEED REFERENCE: LIBER 12580, FOLIO 00016.
9. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
10. THE EXISTING WELLS SHOWN ON THIS PLAN, WELL TAG #95-1276 AND #95-1277 HAVE BEEN FIELD LOCATED BY SILL, ADCOCK & ASSOCIATES, LLC IN SEPTEMBER 2010 AND ARE ACCURATELY SHOWN.
11. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED FOREST CONSERVATION EASEMENT AREAS.
12. THERE ARE NO FLOODPLAINS, WETLANDS, STREAMS, OR THEIR BUFFERS, HISTORIC STRUCTURES OR CEMETERIES LOCATED ON-SITE.
13. FOREST CONSERVATION HAS BEEN PROVIDED FOR THIS LOT UNDER F-06-107.
14. 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.
15. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
16. 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-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
17. PERC HOLE LOCATIONS AND ELEVATIONS SHOWN BASED ON PERCOLATION CERTIFICATION PLAN SIGNED ON OCTOBER 1, 2007.
18. THE PURPOSE OF THIS AMENDED PERCOLATION CERTIFICATION PLAN IS TO REVISE THE LOCATION OF THE WELL BOX ON LOT 28.

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

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

B. Wilson Belster Beileman 6/9/2011
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	GROUP
GgB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	B
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 28
12913 LIME KILN ROAD

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

PARCELS 114 & 12
HOWARD COUNTY, MARYLAND

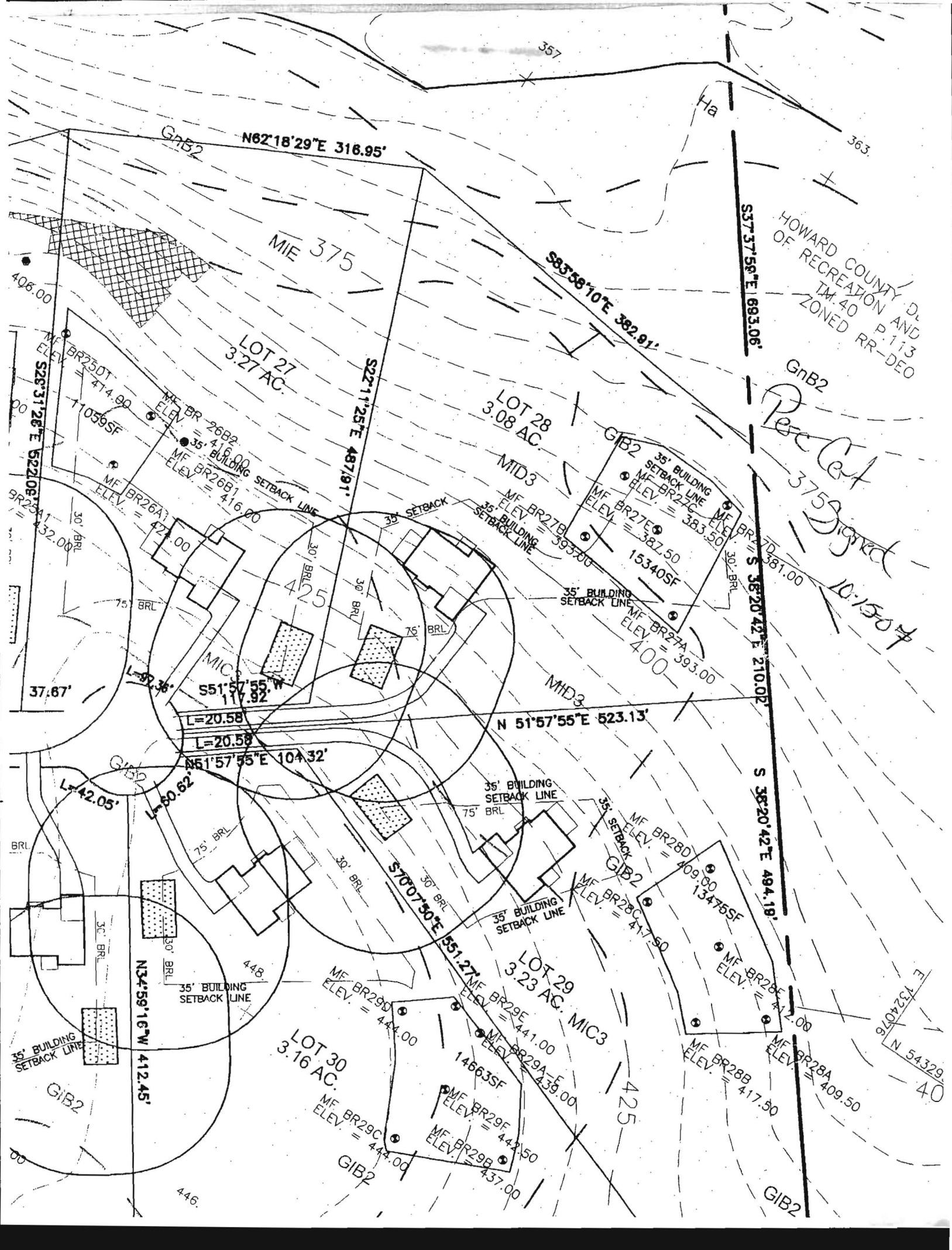


Sill · Adcock & Associates · LLC
Engineers · Surveyors · Planners

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: MAY 25, 2011
PROJECT #: 10-021
SHEET #: 1 of 1

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



N62°18'29"E 316.95'

LOT 27
3.27 AC.

LOT 28
3.08 AC.

LOT 29
3.23 AC.

LOT 30
3.16 AC.

HOWARD COUNTY DEPT.
OF RECREATION AND
P.113
TM. 40
ZONED RR-DEO

GnB2
Per Cat
3753 sq ft
10.1507

E 10324076
N 54329
40

