



# APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

AP 522419

AGENCY REVIEW: \_\_\_\_\_

DATE 4-22-05

TAX ID 05-375053

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 5-6 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) ADVANTIX REALTY INC. (CONTRACT PURCHASER)

DAYTIME PHONE 301 779 8345 CELL 240 375 1957 FAX \_\_\_\_\_

MAILING ADDRESS 6525 BELCREST ROAD, SUITE G-40; HYATTSVILLE MD 20785

APPLICANT LAND & COMPASS, INC. c/o CHARLES A. STRAWBERRY, JR.

DAYTIME PHONE 301 899 0314 CELL \_\_\_\_\_ FAX 301 899 0315

MAILING ADDRESS 4810 ST. BARNABAS RD SUITE 201 TEMPLE HILLS MD 20748

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

PROPERTY LOCATION SUBDIVISION/PROPERTY NAME RT 29 South To Old Columbia Rd to Murphy Rd LOT NO. 1

PROPERTY ADDRESS MURPHY ROAD FULTON

TAX MAP PAGE(S) 46 GRID 14 PARCEL(S) 132 PROPOSED LOT SIZE 3.0 Ac +/-

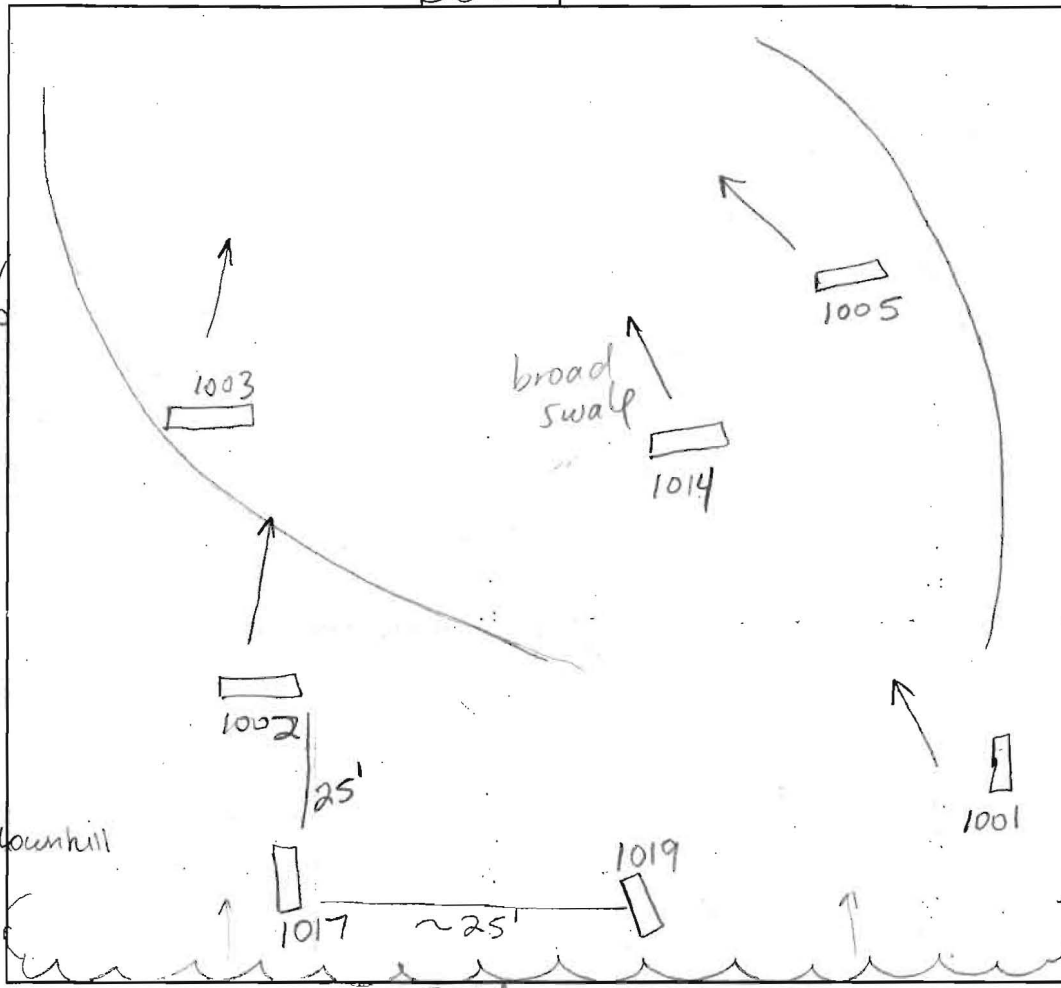
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A.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

TEST RESULTS WILL BE MAILED TO APPLICANT. Charles A. Strawberry Jr., Director of Engr

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

lt 29

Lot 1  
A/P 1017  
brown L  
brown  
sl sbk/gr  
cw  
±5% gravel/cobbles  
yellow brown  
ls sg  
slightly cw  
micaceous  
5% gravel/saprolite



1003  
brown L  
2'  
Orange brown  
cl sbk  
slightly  
micaceous  
5'  
p2 mottles  
(orange/yellow)  
gray brown  
sl gr  
cw  
±5% chert  
saprolite  
seepage  
7'  
12'  
1001  
brown L  
8"  
yellow brown  
fsi cw  
sg roots  
±5% gravel  
6'  
gray brown  
(gley)  
ls sg  
micaceous  
±5% chert  
saprolite

1002  
yellow brown  
hi cw  
sbk  
8' downhill  
f1 mottles  
yellow/gray  
sl sg  
cw sbk  
8'10" seepage  
12' water

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
	1002	4'10" / 12'9"			Mottles		F
	1014	5' / 12'1"			Mottles		F
	1003	12'			Mottles		F
	1001	5' / 12'10"	12:05 <sup>30</sup>	12:06 <sup>30</sup>	12:08 <sup>30</sup>	2	P
	1005	12'2"			Mottles		F
	1017	5'5" / 11'3"	12:16	12:21	12:40	19	P

1014  
brown L  
orange brown  
sl cw  
sbk  
micaceous  
d2 mottles  
gray brown  
ls sg  
cw  
micaceous  
5% chert  
saprolite  
seepage

12'10"  
1005  
brown L  
9"  
orange brown  
sl gr  
cw  
f1 mottles  
(orange/yellow)  
seepage  
p1 mottles  
orange/gray  
micaceous  
±5% chert

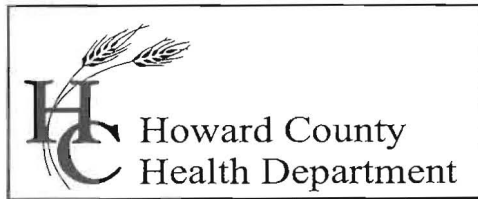
REMARKS: Holes failed due to mottling slightly above 7' 4" fit zone not present. Holes dug per plan - holes 1017-1019 field located.

SANITARIAN: SF/KN      BACKHOE: Level Land      OTHERS: Steve Garkins

TEST HOLES USED IN SDA: \_\_\_\_\_      AVG. PERC. TIME: ~7      SQ. FT./BR: \_\_\_\_\_

TRENCH WIDTH: \_\_\_\_\_      INLET DEPTH: \_\_\_\_\_      MAX. BOT DEPTH: \_\_\_\_\_      EFFECTIVE S/W: \_\_\_\_\_

total of lot one



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

July 7, 2005

Advantix Realty Inc.  
c/o John Monroe  
6525 Bellcrest Rd.  
Suite G40  
Hyattsville, Maryland 20782

RE: PERCOLATION TEST RESULTS –  
Tax Map 46, Parcel 132  
Patuxent Terrace Estates

Dear Mr. Monroe:

Percolation testing conducted July 6, 2005 on the referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) Actual locations and elevations of all excavated test holes
- 2) Proposed houses, wells and septic systems
- 3) Locations of any other relevant features such as streams, swales, slopes, or existing structures
- 4) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 5) A note indicating that depicted topography reflects field-matched information
- 6) A health officer signature block stating “approved for private water and private sewer systems”
- 7) A MDE sewage disposal area statement is required
- 8) MDE minimum lot width statement

The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-1771.

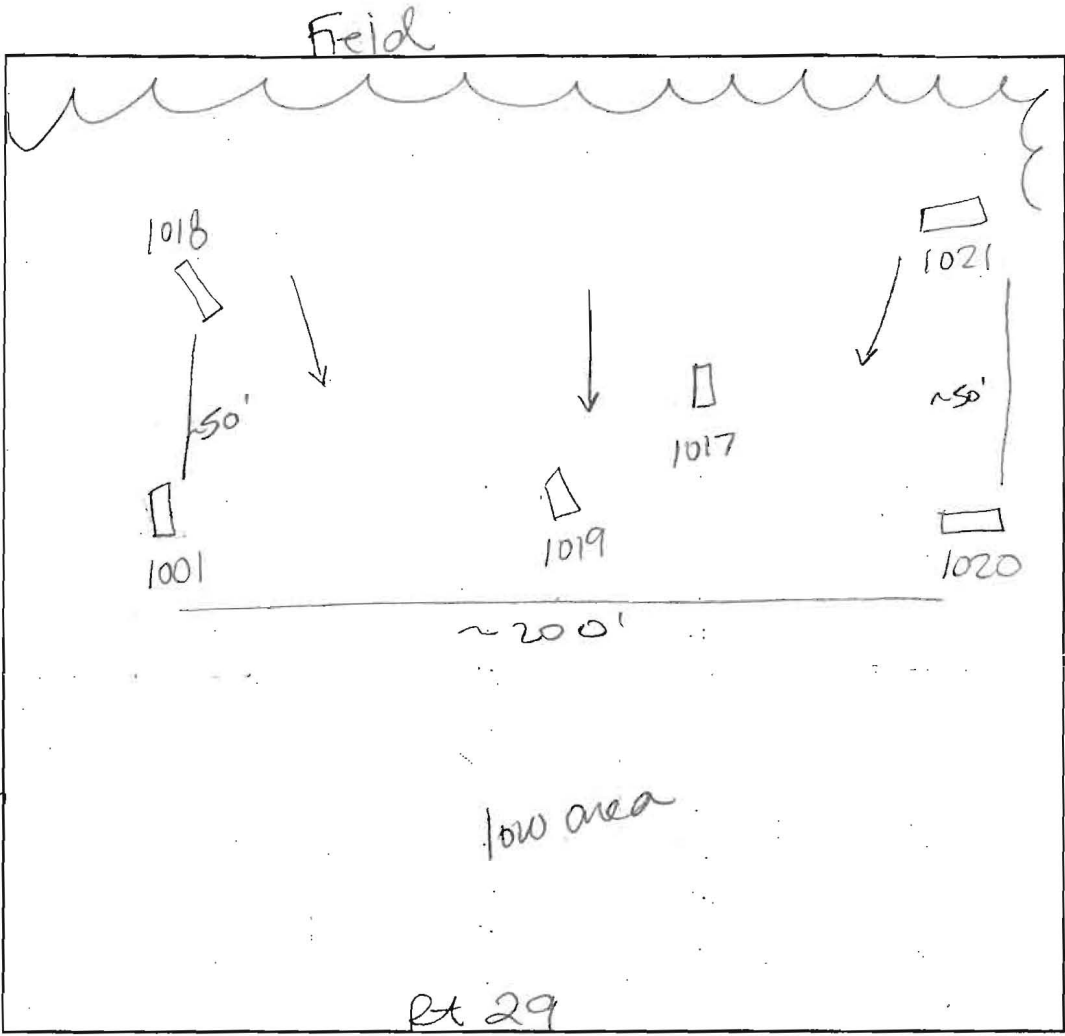
Sincerely,

Kacie Noonan, R.S.  
Sara Fegel  
Water and Septic Program  
Development Coordination Section

KN/SF  
Enclosures

Cc: Steve Gaskins - Land and Compass, Inc.  
File

Lot 1  
A/P



1020  
brown L  
hl-L  
micaceous  
weak pl  
5'  
brown LS  
v. weak cherty  
decayed rock  
dense spherulite  
8'  
A mottled  
gray/blue matrix  
orange deposits  
10'3"

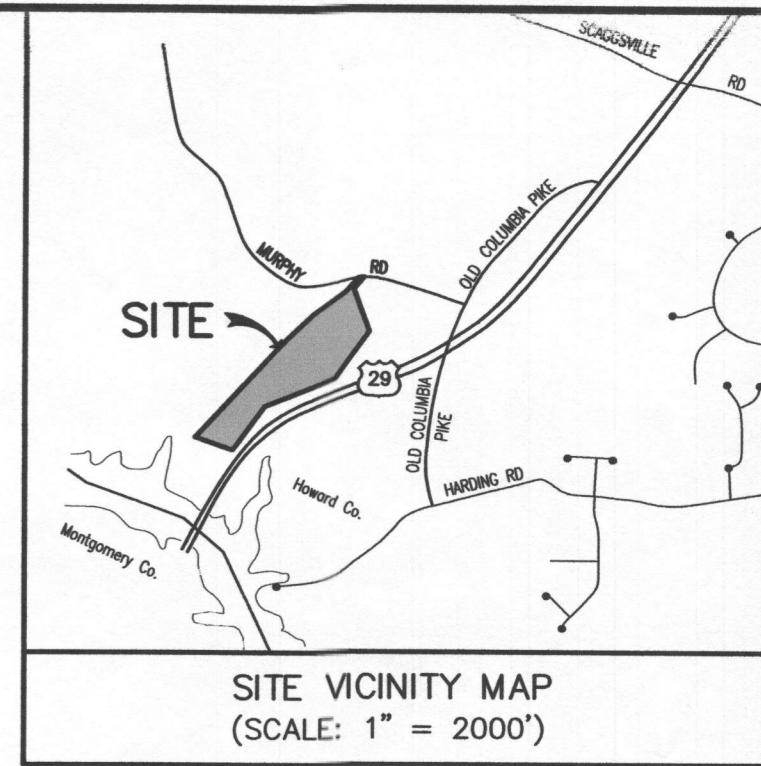
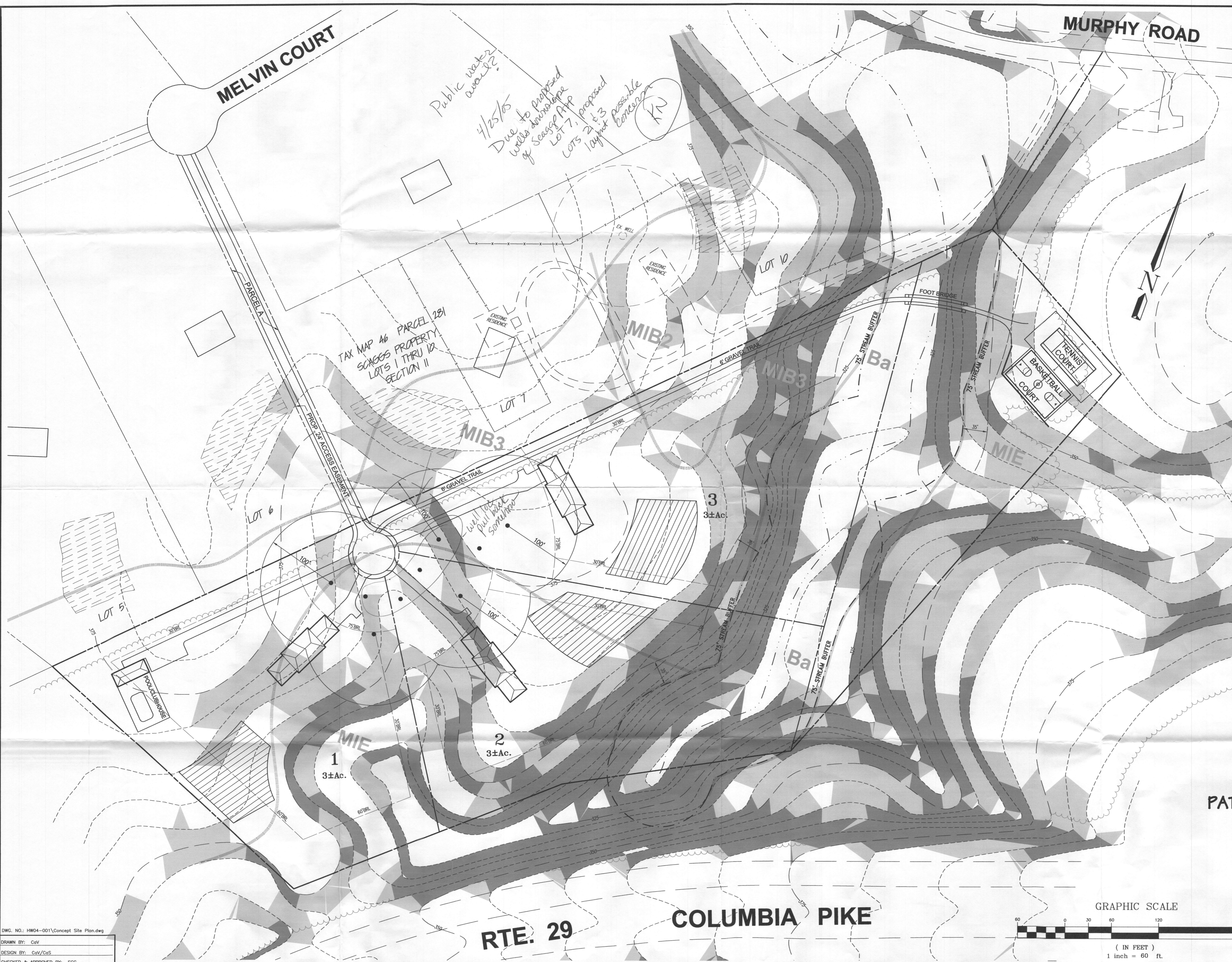
1021  
brown L  
4"  
orange brown  
sl. sgl  
cw pl  
± 45% gravel  
chert  
5'4"  
st. orange  
brown  
pl v. micaceous  
45% cherty  
spherulite  
8'  
yellow brown  
ls sg  
12'3"

1019  
brown L  
yellow brown  
sl sg  
6'  
yellow brown  
ls → s  
± 15% sg  
friable  
spherulite  
well drained  
10'

1018  
brown L  
8"  
st. orange  
brown  
fsl sgl  
sbk  
cw many  
roots  
down to 2'5"  
3'  
brown  
ls → s sg  
8'5"  
45% spherulite  
v. micaceous  
Mn concretions  
11'  
gleying  
weakly moist  
12'

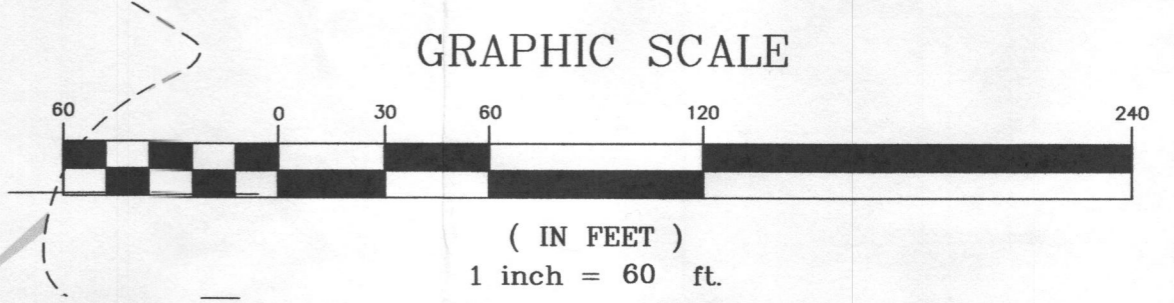
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
	1019	10'					VP
	1018	12'		Inlet @ 2'	Bottom @ 4'		VP
	1020	3' / 10'3"	1:40	1:43	1:48	S	P
	1021	3'5" / 12'7"	2:03 <sup>01</sup>	2:03 <sup>51</sup>	2:05 <sup>53</sup>	2 <sup>02</sup>	P
	on other lot sheet 1001						
	on other lot sheet 1017						

REMARKS Holes field located  
 SANITARIAN KN/SF BACKHOE Level land OTHERS Steve Gaskin's  
 TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME ~ 7 SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE S/W \_\_\_\_\_  
 (total of lot 1)



- LEGEND:**
- 150 --- EXISTING CONTOUR
  - - - - - EXISTING TREE LINE
  - - - - - EXISTING WATER LINE
  - - - - - EXISTING SANITARY SEWER
  - - - - - EXISTING STORM DRAIN
  - [Hatched Box] EX. SEWAGE DISPOSAL AREA (SDA)
  - [Dark Gray Box] 15%-24.99% STEEP SLOPE AREA
  - [Medium Gray Box] 25% OR GREATER STEEP SLOPE AREA
  - [Hatched Box] SEWAGE DISPOSAL AREA (SDA)
  - [Circle with Dot] PROPOSED WELL SITES
  - - - - - CL. STREAM
  - - - - - STREAM BUFFER
  - [Dotted Line] SOILS

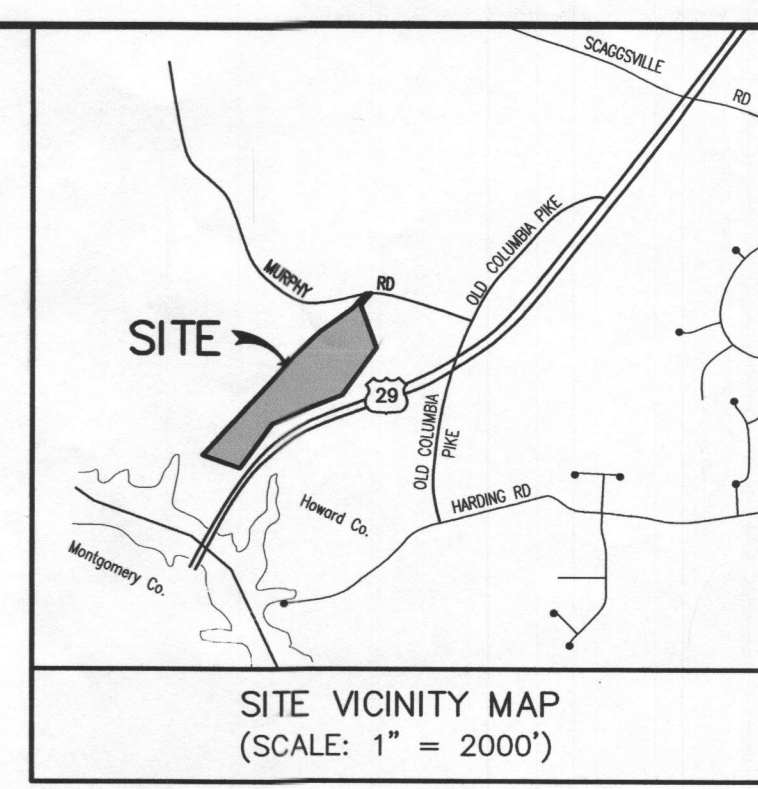
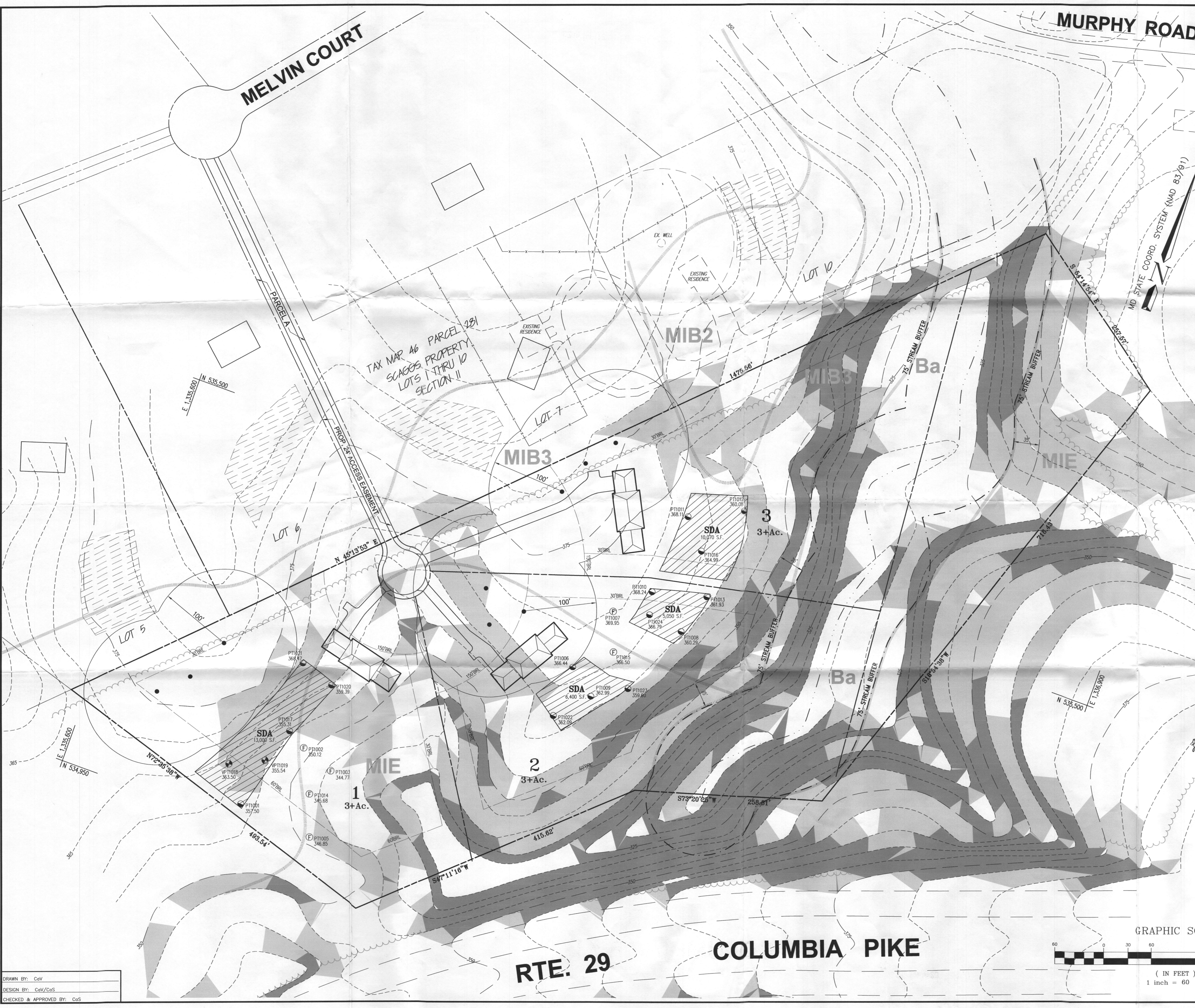
**CONCEPTUAL LAYOUT  
PATUXENT TERRACE ESTATES  
TAX MAP 46 PARCEL 132  
5th Election District  
Howard County, Maryland**



**LAND & COMPASS, INC.**  
A LAND DEVELOPMENT CONSULTING COMPANY  
4810 ST. BARNAJAS ROAD, SUITE 201  
TEMPLE HILLS, MARYLAND 20748  
PHONE: 301.899.0314 FAX: 301.899.0315

JOB #: HWO4-001 DWG. NO. DATE: MAR. 25, 2005 SHEET: **1 of 1**

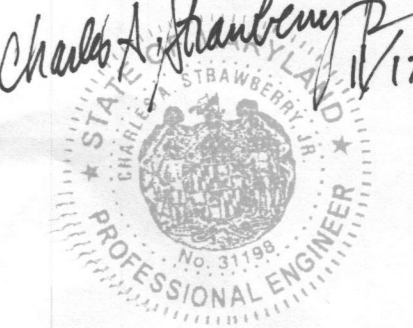
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 DWG. NO.: HWO4-001\Concept\_Site\_Plan.dwg  
 DRAWN BY: Col  
 DESIGN BY: Col/CoS  
 CHECKED & APPROVED BY: SCG



**GENERAL NOTES**

- This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland Department of Environment for individual sewage disposal. Improvements of any nature in this area are restricted. This easement shall become null and void upon connection to a public sewerage system. The County Health Officer shall have authority to grant adjustments to the private sewage easement. Recordation of a revised sewage easement shall not be necessary.
- The shown hereon complies with the minimum ownership width and lot area as required by the Maryland Department of Environment.
- Existing wells and/or sewerage easements within 100 feet of the property have been shown from the best available information.
- The lots shown hereon complies with the minimum ownership width and lot area as required by the Maryland Department of Environment.
- Information shown hereon is based on a field run topography and boundary by Land & Compass, Inc. survey in the septic areas. Horizontal datum information is based on the Howard County Department of Public Works geodetic survey control monument no. 0022 (NAD83/91). Vertical datum information: NAVD88. County topographic information shown in other remote areas for site reference only.
- All wells shall be drilled prior to final plat recordation.

*Charles A. Hanbury* 11/23/05



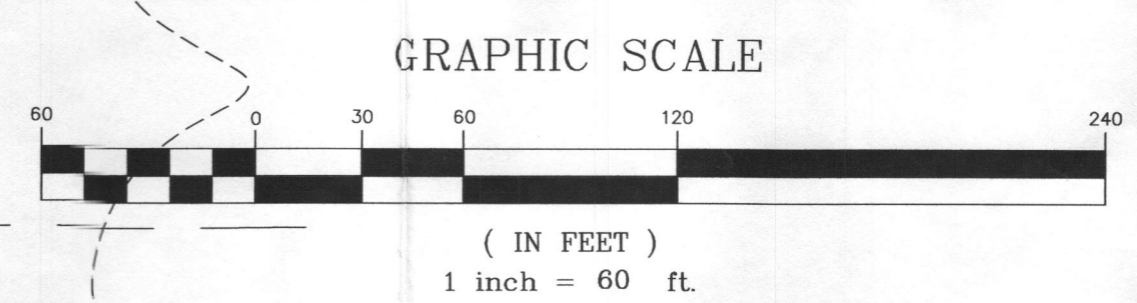
**LEGEND:**

- 150' - EXISTING CONTOUR
- EXISTING TREE LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- EXISTING STORM DRAIN
- EX. SEWAGE DISPOSAL AREA (SDA)
- 15%-24.99% STEEP SLOPE AREA
- 25% OR GREATER STEEP SLOPE AREA
- SEWAGE DISPOSAL AREA (SDA)
- PROPOSED WELL SITES
- CL. STREAM
- STREAM BUFFER
- SOILS
- PERCOLATION TEST (PASSED)
- PERCOLATION TEST (FAILED)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY

*Robert J. Wade* 11/23/05  
 Howard County Health Officer Date

**PERCOLATION CERTIFICATION PLAT**  
**PATUXENT TERRACE ESTATES**  
**TAX MAP 46 PARCEL 132**  
 5th Election District  
 Howard County, Maryland



**LAND & COMPASS, INC.**  
 A LAND DEVELOPMENT CONSULTING COMPANY  
 4810 ST. BARNABAS ROAD, SUITE 203  
 TEMPLE HILLS, MARYLAND 20748  
 PHONE: 301.899.0314 FAX: 301.899.0315

JOB #: HW04-002 DWG. NO. DATE: NOV. 16, 2005 SHEET: **1 of 1**

E:\Projects\HW04-002-Percolation\Terrace Estates\Site\Percolation.dwg 11/16/2005 3:44:15 PM EST  
 DRAWN BY: Cav  
 DESIGN BY: Cav/Cas  
 CHECKED & APPROVED BY: Cas

SIGNED PERC CERT 11/23/05