

APPLICATION

PERCOLATION TESTING

A 50514 D

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 2/10/95

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Taneytown Bank

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER Land Design + Development / Mark Reich

ADDRESS 10805 Hickory Ridge Rd PHONE 740-2100

PROPERTY LOCATION:

SUBDIVISION Paragon Property LOT NO. 13⁴

ROAD AND DESCRIPTION North West Corner of Windsor Forest + Long
Corner Rd.

TAX MAP 6 PARCEL # 82

SIZE OF LOT 1 acre ± TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Mark Reich
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

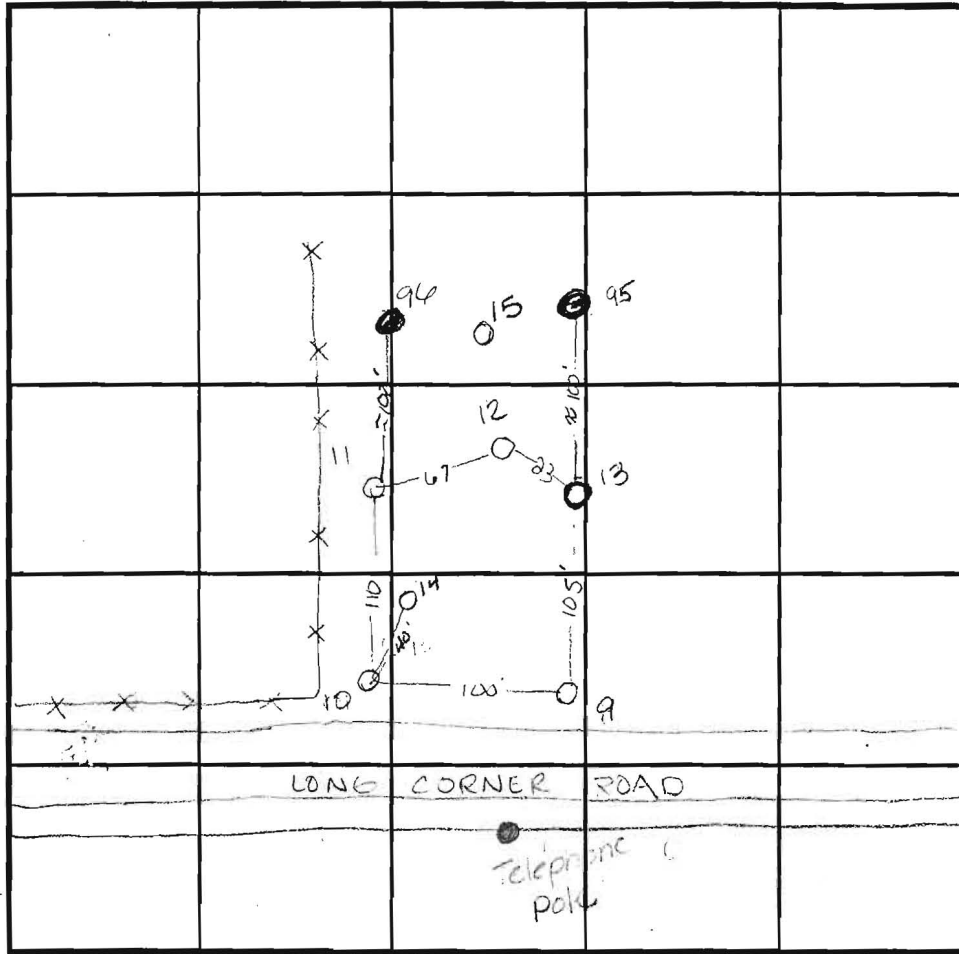
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

A50514D
COUNTY #

LOT 13



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

9
0' Orange red CL gravelly
3' yellow tan sil 10% shale
7' dark orange tan 20-30% shale

SOIL PROFILE

12
0' topsoil
1' red/orange CL
3' orange brn gravelly sil
6' whitish tan sil 15% rock
9.5' 9.6' orange brn sil gravelly
35' yellow tan soil approaching 50% rock

10

1' topsoil
1' red sil w/ decayed grey shale sil
3' light orange brn sil w/ shale approaching 50% water

11

3' orange brn gravelly CL
3' orange yellow brn sil
7' whitish tan sil 20% shale

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
2-22-95	9	4' / v12'	8:23 ³⁰	8:26 ³⁰	8:26 ³⁰	8:40	13 1/2 min
	13'	Visual to 7'		hard	bottom: < 50% rock		F
	10	2' / v9'	8:29	8:33 ³⁰	8:33 ³⁰	8:45	11 1/2 min
	11	6.5' / v12'	8:36	8:37 ¹⁵	8:37 ¹⁵	8:42	4 3/4 min
	11	4' / v12'	8:40 ¹⁵	8:41	8:41	8:41 ⁴⁵	45 sec
	11	repair	8:43	8:44 ³⁰	8:44 ³⁰	8:45 ³⁰	1 min
	12	Visual to 11'					OK
	95	4' / v9.5'	10:19 ¹⁵	>30 min			slow F
	96	4.5' / v10.5'	10:30	>30 min			slow F

REMARKS ALL TESTS MUST HAVE SHALLOW & DEEP TESTS FOR APPROVAL
 TYPE OF SOIL _____
 TESTED BY Amy McMillen ALSO PRESENT MARY REICH
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

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50514D

LOT 13

JNTY #

SOIL PROFILE

0'

Empty rectangular box for soil profile notes.

Empty rectangular box for soil profile notes.

Empty rectangular box for soil profile notes.

		see 1 st page for diagram		

SOIL PROFILE

0'

Empty rectangular box for soil profile notes.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-9-95	12	3.5' VII'	1:40 ⁴⁵	1:41 ⁴⁵	1:41 ⁴⁵	1:44	2 1/4 min ✓
	12	repair	1:45 ³⁰	1:48	1:48	1:51	3 min ✓
	12	repair	1:52 ¹⁵	1:55 ³⁰	1:55 ³⁰	2:01 ³⁰	6 min ✓
	15	3.5' VIO'	1:55 ¹⁵	1:58	1:58	2:00 ³⁰	2 1/2 min
	15	repair	2:09 ³⁰	1:14	1:14	1:20 ¹⁵	6 1/4 min
	15	7.5' VIO'	2:00	2:03 ³⁰	2:03 ³⁰	2:06	2 1/2 min
	15	repair	2:09	2:13	2:13	2:17 ⁴⁵	4 3/4 min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Olan Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

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50514-D

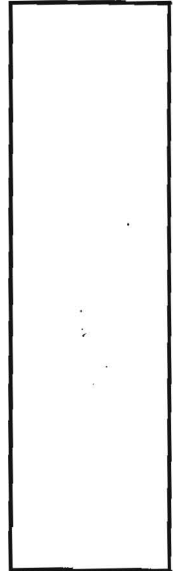
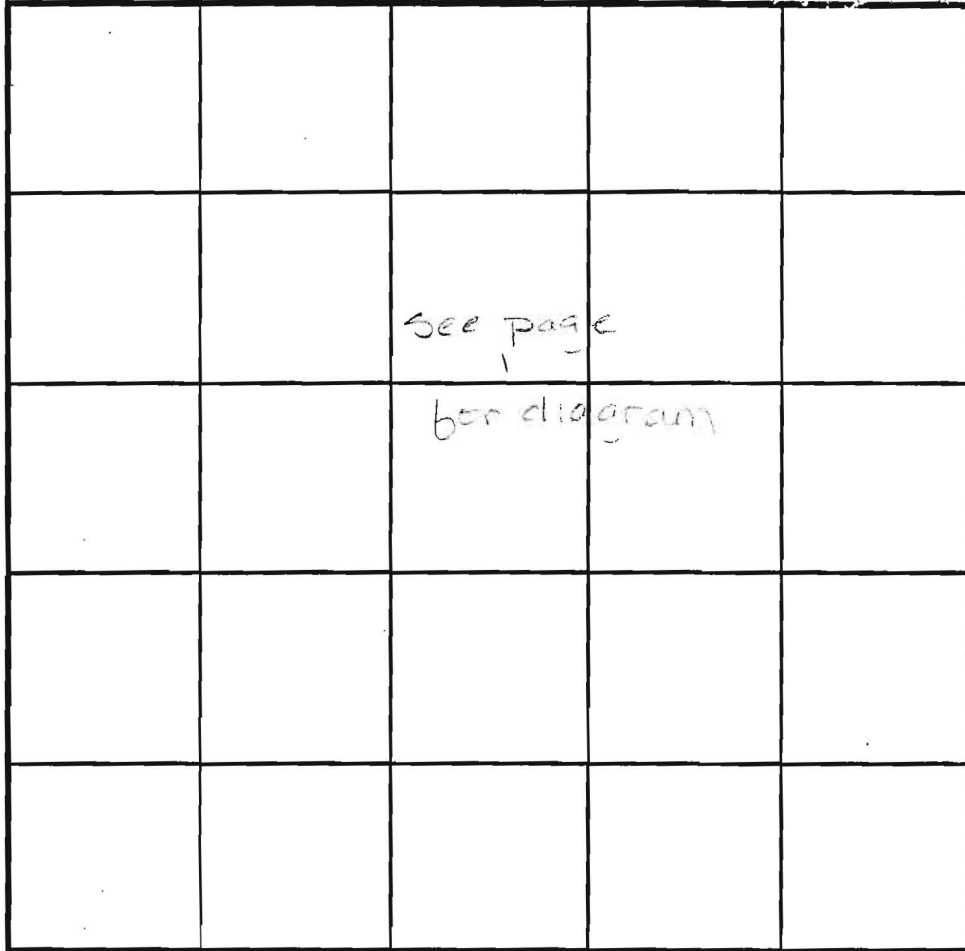
LOT 13

JNTY#

SOIL PROFILE

SOIL PROFILE

0'
1 gr
brn
CSL
gravelly
2'
red
orange
brn
SCL
20%
rock
chale
brags
↓
10'
hard
bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-9-95	9	8' / V12'	12:58 ³⁰	1:12	1:12	1:39	25min
	14	4' / V9	1:01 ¹⁵	1:02	1:02	1:03	1min
	14	repour	1:13	1:18	1:18	1:21	3min
	14	repour	1:21 ³⁰	1:24	1:24	1:30 ³⁰	6 1/2 min
	14	7.5' / V9	1:02	1:04 ³⁰	1:04 ³⁰	1:09 ⁴⁵	5 1/4 min
	11	3.5' / V12	1:19	1:21 ³⁰	1:21 ³⁰	1:28	6 1/2 min
	12	7.5' / V11	1:31 ⁴⁵	1:32 ³⁰	1:32 ³⁰	1:33 ³⁰	1min
	12	repour	1:33	1:34	1:34	1:35	1min
	12	repour	1:35	1:37 ³⁰	1:37 ³⁰	1:40 ¹⁵	
			1:49 ¹⁵	1:53	1:53	1:57 ³⁰	4 1/2 min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy Memick ALSO PRESENT Olan Kellerman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

HOWARD COUNTY HEALTH DEPARTMENT
Completed Septic System

P 513251 A 50514-H

DATE 2/2/00

LOCATION <u>1600 Long Corner Road</u>	<u>APPLICATION</u>
<u>Paragon Property</u>	HOLD ()
LOT <u>Pres. Pcl. A</u>	APPROVED ()
APPLICANT _____	REJECTED ()
OWNER <u>Dave Long</u>	<u>INSTALLATION</u>
PERMITTEE <u>Freedom Septic</u>	HOLD ()
	APPROVED ()
HD-11	APPROVED
	DATE <u>10/27/00</u>

* Septic area near Long Corner Road *
* Not being used on main house *

A 50514-D

SUBDIVISION: Paragon Property

LOT NUMBER: 4

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	<u>1000 gallon</u>	_____
4 bedroom	<u>1250 gallon</u>	_____
5 bedroom	<u>1500 gallon</u>	_____

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

180 sq. ft./bedroom

Trench to be 3.0 wide.

60 linear ft of trench per bedroom

Inlet 2.0 feet below original grade.

Bottom maximum depth 3.5 feet below original grade.

Effective area begins at 2.0 feet below original grade.

1.5 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: 7/25/96 As seen when facing the lot from Long Corner Road begin trenches 140 feet off the front lot line and 20 feet off the left lot line. Run trenches on contour toward the right side of property etc

* Septic area near Long Corner Road *
* Not being used on main house *

A 50514-D

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LOT NUMBER: 4

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_____ sq. ft./bedroom

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3 bedroom	1000 gallon	_____
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3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
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DISTRICT _____

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TAX MAP 6 PARCEL # 82

SIZE OF LOT 1 acre ± TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

A50514D

LOT 13

COUNTY #

SOIL PROFILE

0' 9
orange red CL gravelly
3' yellow tan SIL 100% shale
7' darker orange tan 20-30% shale
12'

10

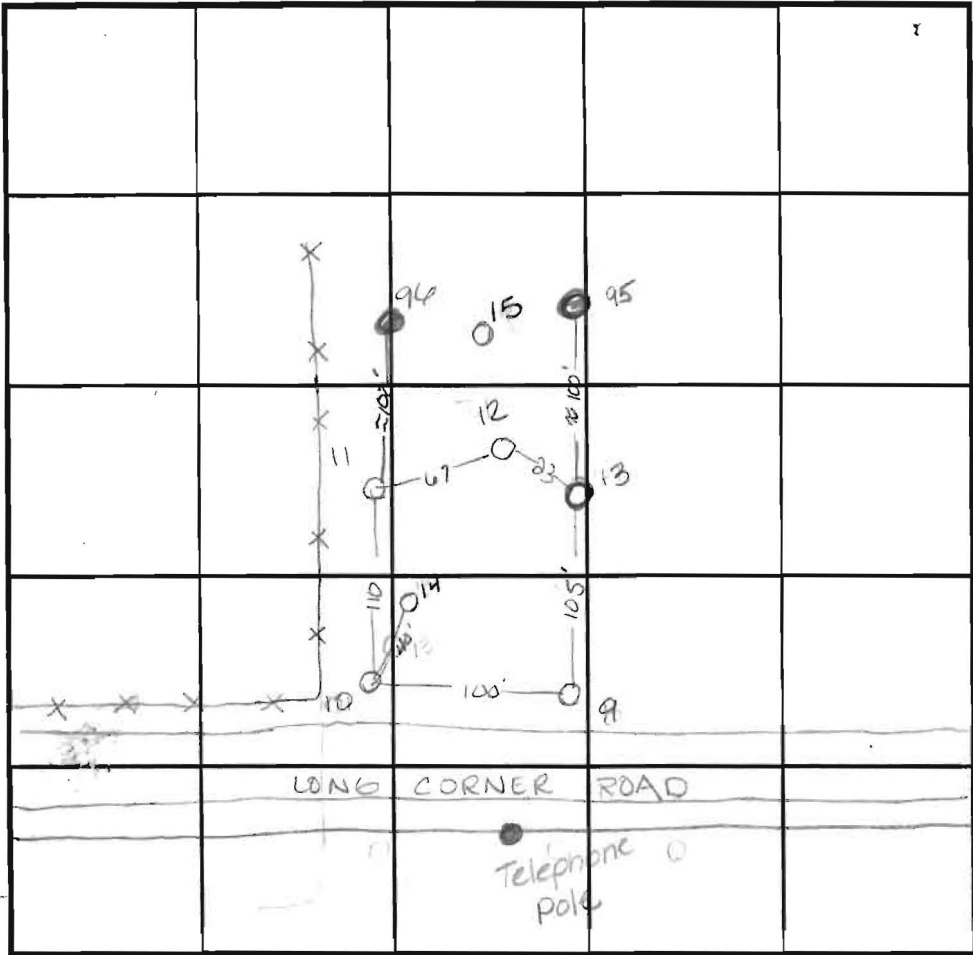
1' topsoil red brn w/ decayed grey shale
3' 1st orange brn SIL w/ shale approaching 50%
9' water

11

3' orange brn gravelly CL
orange yellow brn SIL
7' whitish tan SIL 20% shale
12'

SOIL PROFILE

0' 12
topsoil
1' red/orange CL
3' orange brn gravelly SIL
6' whitish tan SIL 15% rock frags
11' 95, 96 orange brn CSL gravelly
35' yellow tan SIL approaching 50% rock
9.5



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
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REMARKS ALL TESTS MUST HAVE SHALLOW & DEEP TESTS FOR APPROVAL TIME MUST BE > 5 MIN

TYPE OF SOIL _____

TESTED BY Amy McMullen ALSO PRESENT MARK REICH

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

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LOT 13

COUNTY #

SOIL PROFILE

0' 15 14
 19F
 brn
 CSIL
 gravelly
 2' red
 orange
 brn
 SCL
 20%
 rock;
 shale
 brags
 ↓
 10' hard
 bottom

SOIL PROFILE

0'

			See page	
			bor diagram	

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

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COUNTY #

SOIL PROFILE

SOIL PROFILE

0'

0'

		see - 1st page for diagram		

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

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	15	repair	2:09 ³⁰	2:14	2:14	2:20 ¹⁵	6 1/4 min
	15	7.5' / VI0'	2:00	2:03 ³⁰	2:03 ³⁰	2:06	2 1/2 min
	15	repair	2:09	2:13	2:13	2:17 ⁴⁵	4 3/4 min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Olan Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 50514 D

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 2/10/95

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Taneytown Bank

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER Land Design + Development / Mark Reich

ADDRESS 10805 Hickory Ridge Rd PHONE 740-2100

PROPERTY LOCATION:

SUBDIVISION Paragon Property LOT NO. H 13

ROAD AND DESCRIPTION North West Corner of Windsor Forest + Long
Corner Rd.

TAX MAP 6 PARCEL # 82

SIZE OF LOT 1 acre ± TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Mark Reich
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

50514-D

LOT 13

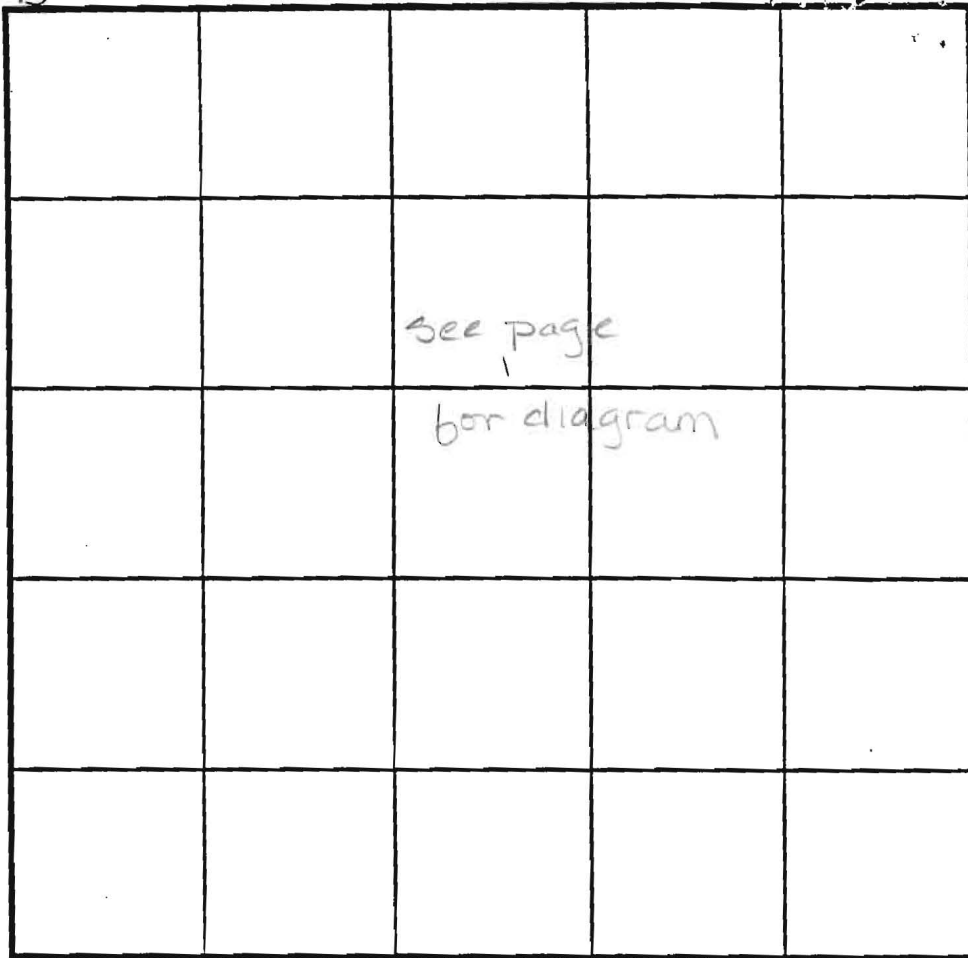
COUNTY #

SOIL PROFILE

0' 15 14
 19T
 brn
 CSIL
 gravelly
 2' red
 orange
 brn
 SCL
 20%
 rock;
 shale
 frags
 ↓
 10' hard
 bottom

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-9-95	9	8' V12'	12:58 ³⁰	1:12	1:12	1:39	25min
	14	4' V9	1:01 ¹⁵	1:02	1:02	1:03	1min
	14	repour	1:13	1:18	1:18	1:21	3min
	14	repour	1:21 ³⁰	1:24	1:24	1:30 ³⁰	6 1/2 min
	14	7.5' V9	1:02	1:04 ³⁰	1:04 ³⁰	1:09 ⁴⁵	5 1/4 min
	11	3.5' V12	1:19	1:21 ³⁰	1:21 ³⁰	1:28	6 1/2 min
	12	7.5' V11'	1:31 ⁴⁵	1:32 ³⁰	1:32 ³⁰	1:33 ³⁰	1min
	12	repour	1:33	1:34	1:34	1:35	1min
	12	repour	1:35	1:37 ³⁰	1:37 ³⁰	1:40 ¹⁵	
			1:49 ⁴⁵	1:53	1:53	1:57 ³⁰	4 1/2 min

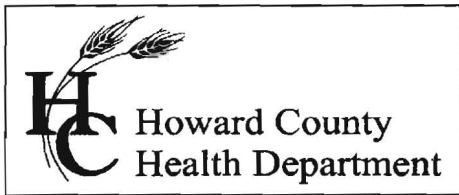
REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillan ALSO PRESENT Olan Kellerman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



Bureau of Environmental Health
7178 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

Peter Beilenson, M.D., M.P.H., Health Officer

February 11, 2008

TO: Attn: Tony Fertitta
Fisher, Collins and Carter, Inc.
10272 Baltimore National Pike
Ellicott City, MD 21042

FROM: Gabe Creighton, Sanitarian
Well and Septic Program

RE: Title: Revised Percolation Certification
Lot 4, Paragon Property

The Howard County Health Department has reviewed the above referenced submittal from Fisher, Collins and Carter, Inc. The following comments will need to be addressed prior to approval.

1. Lot 4 has never been recorded by subdivision, therefore any percolation certification to propose this lot or revisions to should include the boundary of the parent property or properties (Tax Map 6, Parcel 82). A large scale drawing can satisfy this requirement (ie: 1"=200') due to the large size.
2. Please show the existing percolation tests (passed and failed) on the property.
3. Since the well is drilled already on lot 4, please show the actual location or indicate that the location shown is indeed the actual location.
4. If it is indeed the intention to subdivide lot 4 from the parent property, the existing septic easement (per the percolation certification signed 7/26/96) must be shown for the existing house on the parent property as well as the potable well HO-94-0930 on that property prior to plan approval.
5. A well may exist on the adjacent "Property of Alvin Poole Et Al, Liber 202, Folio 535" within 100 ft of the property line.

Should you have any questions, I can be reached at the above address or by telephone at (410) 313-2775.

Respectfully,

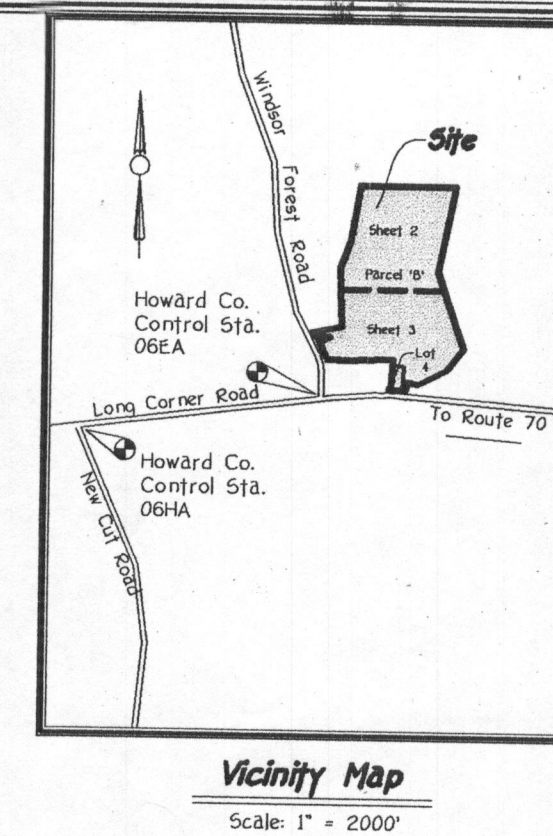
Gabriel A. Creighton, R.S.
Well and Septic Program
Development Coordination Section

GAC/gac
cc: Well and Septic Program file

SOIL CHART

MIC2	Mt. Airy channery loam, 0 to 15 percent slopes, moderately eroded	CLAG5
GIB2	Glenelg loam, 3 to 0 percent slopes, moderately eroded	B
GIA	Glenelg loam, 0 to 3 percent slopes	B
LoE	Lingnore channery silt loam, 25 to 45 percent slopes	C
MB2	Mt. Airy channery loam, 3 to 0 percent slopes, moderately eroded	A
MC2	Manor loam, 0 to 15 percent slopes, moderately eroded	B
MIC3	Mt. Airy channery loam, 0 to 15 percent slopes, severely eroded	A
LrB2	Lingnore channery loam, 3 to 0 percent slopes, moderately eroded	C
LrC2	Lingnore channery loam, 0 to 15 percent slopes, moderately eroded	C
LrD2	Lingnore channery loam, 15 to 25 percent slopes, moderately eroded	C
MID2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A
* GrB2	Glenville silt loam, 3 to 0 percent slopes, moderately eroded	C
* Co	Codorus silt loam	C

NOTES:
 * Hydric soils and/or contains hydric inclusions
 ** May contain hydric inclusions
 Generally only within 100-year floodplain areas



GENERAL NOTES:

- THIS AREA DESIGNATES AN EXISTING RECORDED PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL 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 VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
 - THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
 - ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
 - ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- IF THE WELL SUCCESS RATE IS ACCOMPLISHED AT VARIOUS LOCATIONS WITHIN THE SITE, THE DEVELOPER SHALL HAVE THE OPTION TO REQUEST RELIEF FROM DRILLING THE REMAINING WELLS PRIOR TO PLAT RECORDATION.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
 - BOUNDARY OUTLINE BASED ON AVAILABLE RECORDED PLAT WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.



I Certify That The Locations Shown Hereon Are Based On Field Locations Done Under My Direct Supervision, And Are Correct, To The Best Of My Professional Knowledge And Belief.
James O. Smith
 Professional Land Surveyor Or Property Line Surveyor
 Date: 1/24/02

PLAN
 SCALE: 1" = 30'

Owner And Developer
 Robert David Long
 1600 Long Corner Road
 Mount Airy, Maryland
 21771

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
Penny Anagnostou
 COUNTY HEALTH OFFICER
 DATE: 1/24/02

- LEGEND**
- EXISTING 2' CONTOURS
 - EXISTING 10' CONTOURS
 - EXISTING TREE LINE
 - SOIL LINES AND TYPES
 - DENOTES PROPOSED WELL
 - DENOTES FAILED PERC.
 - DENOTES PASSED PERC.
 - DENOTES PROPOSED PERC.
 - DENOTES PROPOSED HOUSE
 - DENOTES 15% - 24.9% SLOPES
 - DENOTES 25% AND GREATER SLOPE
 - DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

PERC CERTIFICATION PLAT
Paragon Property

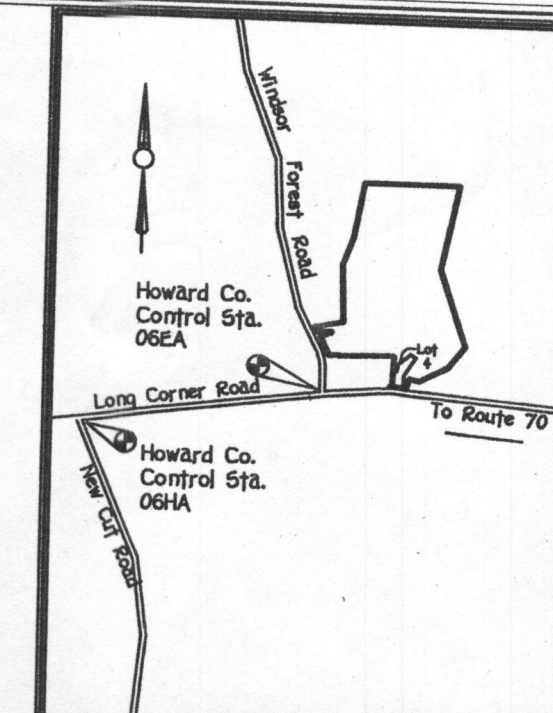
TAX MAP *6 ZONED:RC-DEO PARCEL: 82
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: JANUARY 8, 2002

E-6821

SOIL CHART

MIC2	Mt. Airy channery loam, 8 to 15 percent slopes, moderately eroded	CLAG6
GIB2	Glenns loam, 3 to 8 percent slopes, moderately eroded	B
GIA	Glenns loam, 0 to 3 percent slopes	B
Loe	Lingnore channery silt loam, 25 to 45 percent slopes	C
MIB2	Mt. Airy channery loam, 3 to 8 percent slopes, moderately eroded	A
MIC2	Manor loam, 8 to 15 percent slopes, moderately eroded	B
MIC3	Mt. Airy channery loam, 8 to 15 percent slopes, severely eroded	A
LrB2	Lingnore channery loam, 3 to 8 percent slopes, moderately eroded	C
LrC2	Lingnore channery loam, 8 to 15 percent slopes, moderately eroded	C
LrD2	Lingnore channery loam, 15 to 25 percent slopes, moderately eroded	C
MID2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A
* GrB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
* Co	Codorus silt loam	C

NOTES:
 • Hydric soils and/or contains hydric inclusions
 ** May contain hydric inclusions
 Generally only within 100-year floodplain areas



Vicinity Map
Scale 1" = 2000'

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
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- WELL SHALL BE DRILLED PRIOR TO BUILDING PERMIT OR FINAL PLAN AS APPLICABLE.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL.
- BOUNDARY OUTLINE BASED ON A PLAT ENTITLED PARAGON PROPERTY PLAT NO. 12310 BY MILDENBERG, BOENDER AND ASSOCIATES, INC. WITHOUT THE BENEFIT OF A FIELD SURVEY BY FISHER, COLLINS AND CARTER, INC. AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- CLAG6 SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- ⊙ DENOTES PROPOSED HOUSE
- ▨ DENOTES 15%-24.9% SLOPES
- ▩ DENOTES 25% AND GREATER SLOPE
- ⊙ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE
- DENOTES FAILED PERC
- DENOTES PASSED PERC

I Certify That The Locations Shown Hereon Are Based On Field Locations Done Under My Direct Supervision And Are Correct, To The Best Of My Professional Knowledge And Belief.
 [Signature]
 Professional Land Surveyor Or Property Line Surveyor
 Date: 3/1/08



PLAN
SCALE: 1"=30'

Owner And Developer
 Robert David Long
 1600 Long Corner Road
 Mount Airy, Maryland
 21771

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
 [Signature]
 COUNTY HEALTH OFFICER
 DATE: 3/12/08

** This property has not been subdivided and supports F-09-106.**

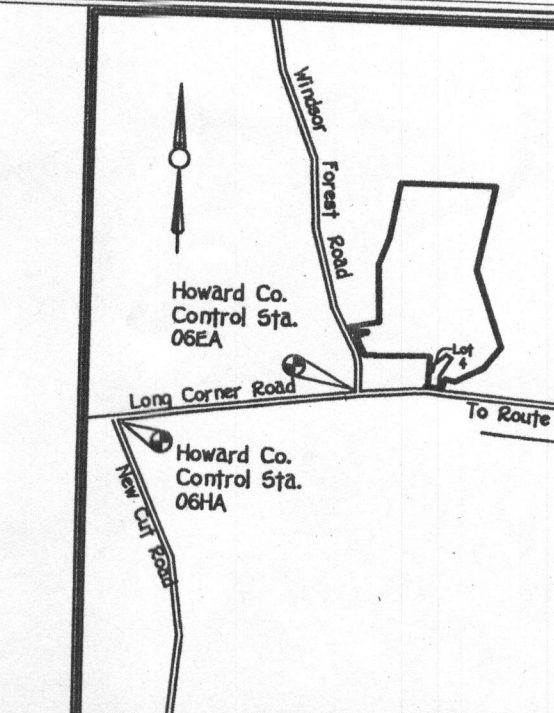
AMENDED PERC CERTIFICATION PLAT
 LOT 4
Paragon Property
 TAX MAP *6 ZONED:RC-DEO PARCEL: 02
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' SHEET 1 OF 2 DATE: FEBRUARY 12, 2008

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 4100 461 - 2855

SOIL CHART

MFC2	Mt. Airy channery loam, 0 to 15 percent slopes, moderately eroded	CL#65
GIB2	Glenns loam, 3 to 8 percent slopes, moderately eroded	B
GIA	Glenns loam, 0 to 3 percent slopes	B
Loe	Lingnore channery silt loam, 25 to 45 percent slopes	C
MFB2	Mt. Airy channery loam, 3 to 8 percent slopes, moderately eroded	A
MFC2	Manor loam, 0 to 15 percent slopes, moderately eroded	B
MFC3	Mt. Airy channery loam, 0 to 15 percent slopes, severely eroded	A
LFB2	Lingnore channery loam, 3 to 8 percent slopes, moderately eroded	C
LFC2	Lingnore channery loam, 0 to 15 percent slopes, moderately eroded	C
LFD2	Lingnore channery loam, 15 to 25 percent slopes, moderately eroded	C
MFD2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A
GrB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
Co	Codorus silt loam	C

NOTES:
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 ** May contain hydric inclusions
 Generally only within 100-year floodplain areas



Vicinity Map
Scale 1" = 2000'

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- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- CL#65 SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- ⊠ DENOTES PROPOSED HOUSE
- ▨ DENOTES 15%-24.9% SLOPES
- ▩ DENOTES 25% AND GREATER SLOPE
- ⊞ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE
- DENOTES FAILED PERC
- DENOTES PASSED PERC

This property has not been subdivided and supports F-09-106.

I Certify That The Locations Shown Hereon Are Based On Field Locations Done Under My Direct Supervision And Are Correct, To The Best Of My Professional Knowledge And Belief.
 [Signature]
 Professional Land Surveyor Or Property Line Surveyor
 Date: 3/1/08



Owner And Developer
 Robert David Long
 1600 Long Corner Road
 Mount Airy, Maryland
 21771

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
 [Signature]
 COUNTY HEALTH OFFICER
 DATE: 3/12/08

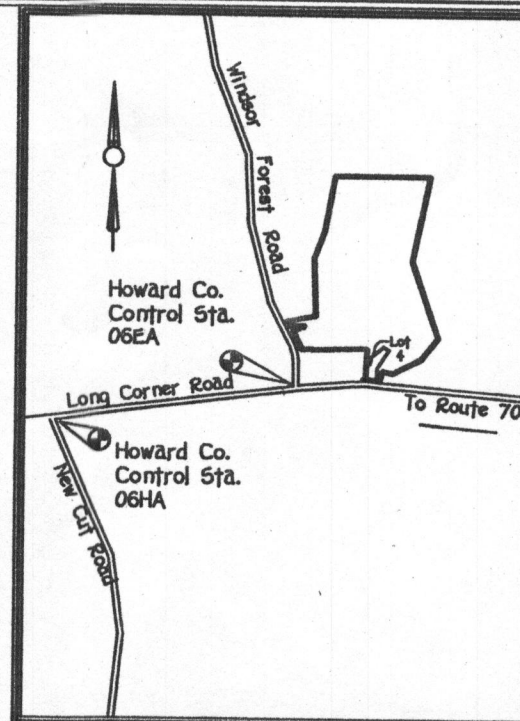
AMENDED PERC CERTIFICATION PLAT
 LOT 4
Paragon Property
 TAX MAP #6 ZONED:RC-DEO PARCEL #2
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' SHEET 1 OF 2 DATE: FEBRUARY 12, 2008

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 4100 461 - 2855

SOIL CHART

MIC2	Mt. Airy channery loam, 0 to 15 percent slopes, moderately eroded	CL655
GB2	Glenns loam, 3 to 8 percent slopes, moderately eroded	B
GA	Glenns loam, 0 to 3 percent slopes	B
LoE	Lingnore channery silt loam, 25 to 45 percent slopes	C
MIB2	Mt. Airy channery loam, 3 to 8 percent slopes, moderately eroded	A
MIC2	Minor loam, 0 to 15 percent slopes, moderately eroded	B
MIC3	Mt. Airy channery loam, 0 to 15 percent slopes, severely eroded	A
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LnC2	Lingnore channery loam, 0 to 15 percent slopes, moderately eroded	C
LnD2	Lingnore channery loam, 15 to 25 percent slopes, moderately eroded	C
MID2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A
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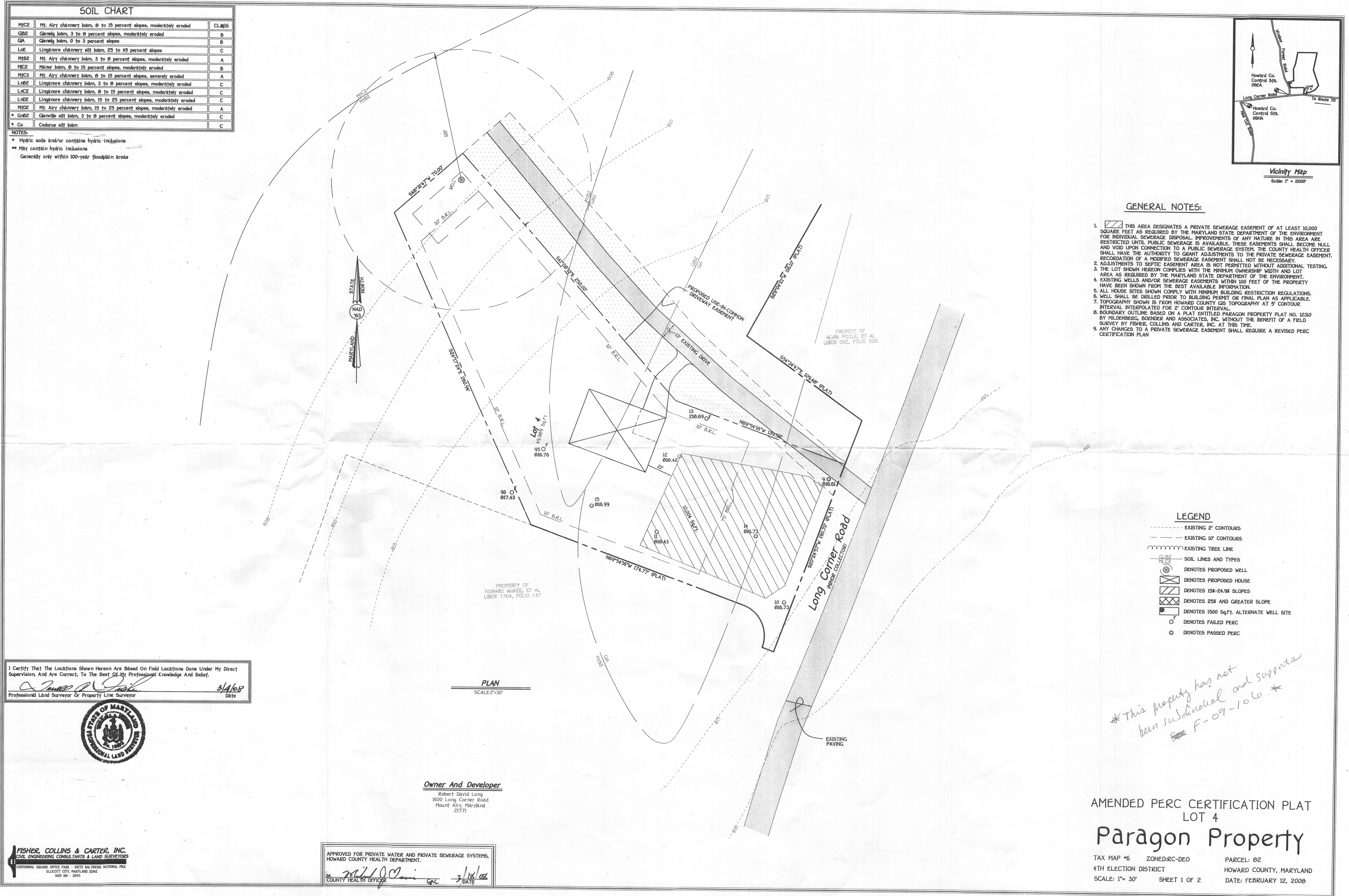
Vicinity Map
Scale: 1" = 200'

GENERAL NOTES:

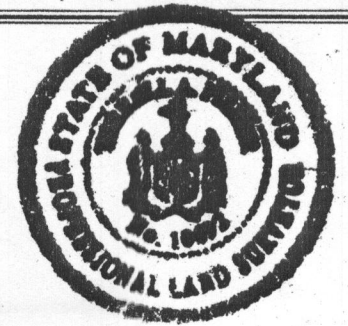
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- BOUNDARY OUTLINE BASED ON A PLAT ENTITLED PARAGON PROPERTY PLAT NO. 12310 BY HILDENBERG, BOENDER AND ASSOCIATES, INC. WITHOUT THE BENEFIT OF A FIELD SURVEY BY FISHER, COLLINS AND CARTER, INC. AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.

LEGEND

- - - - - EXISTING 2' CONTOURS
- - - - - EXISTING 10' CONTOURS
- ~ ~ ~ ~ ~ EXISTING TREE LINE
- GLB2, MLC2 SOIL LINES AND TYPES
- ⊗ DENOTES PROPOSED WELL
- ⊗ DENOTES PROPOSED HOUSE
- ▨ DENOTES 15%-24.9% SLOPES
- ▩ DENOTES 25% AND GREATER SLOPE
- ⊙ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE
- DENOTES FAILED PERC
- DENOTES PASSED PERC



I Certify That The Locations Shown Hereon Are Based On Field Locations Done Under My Direct Supervision, And Are Correct, To The Best Of My Professional Knowledge And Belief.
 [Signature]
 Professional Land Surveyor Or Property Line Surveyor
 Date: 3/4/08



PLAN
SCALE: 1" = 30'

Owner And Developer
 Robert David Long
 1600 Long Corner Road
 Mount Airy, Maryland
 21771

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
 [Signature]
 COUNTY HEALTH OFFICER
 DATE: 3/15/08

This property has not been subdivided and supports F-09-106

AMENDED PERC CERTIFICATION PLAT
 LOT 4
Paragon Property
 TAX MAP #6 ZONED: RC-DEO PARCEL: 02
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' SHEET 1 OF 2 DATE: FEBRUARY 12, 2008



I Certify That The Locations Shown Hereon Are Based On Field Locations Done Under My Direct Supervision, And Are Correct, To The Best Of My Professional Knowledge And Belief.

James C. Fisher
 Professional Land Surveyor Or Property Line Surveyor

3/4/09
 Date



Owner And Developer
 Robert David Long
 1600 Long Corner Road
 Mount Airy, Maryland
 21771

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.

Michelle J. ...
 COUNTY HEALTH OFFICER

3/12/09
 DATE

AMENDED PERC CERTIFICATION PLAT
 LOT 4
Paragon Property

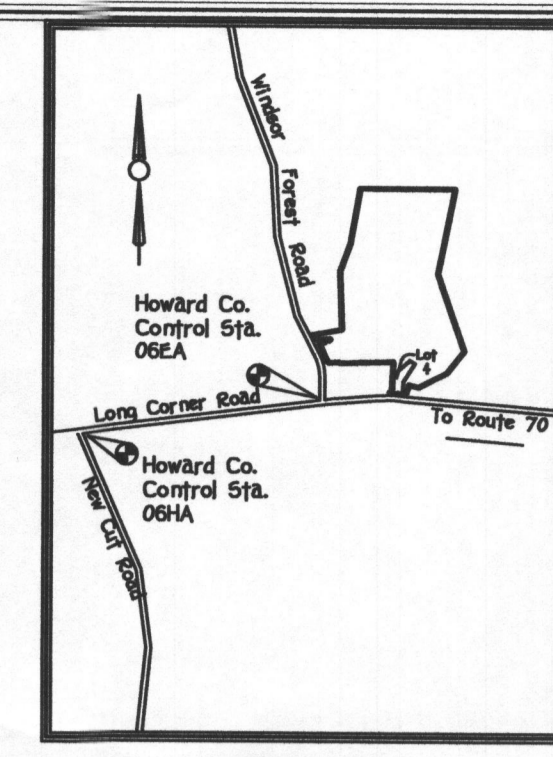
TAX MAP #6 ZONED RC-DEO PARCEL: 02
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"=100' SHEET 2 OF 2 DATE: February 12, 2008

FISHER, COLLINS & CARTER, INC.
 CIVIL, ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 410-431-2955

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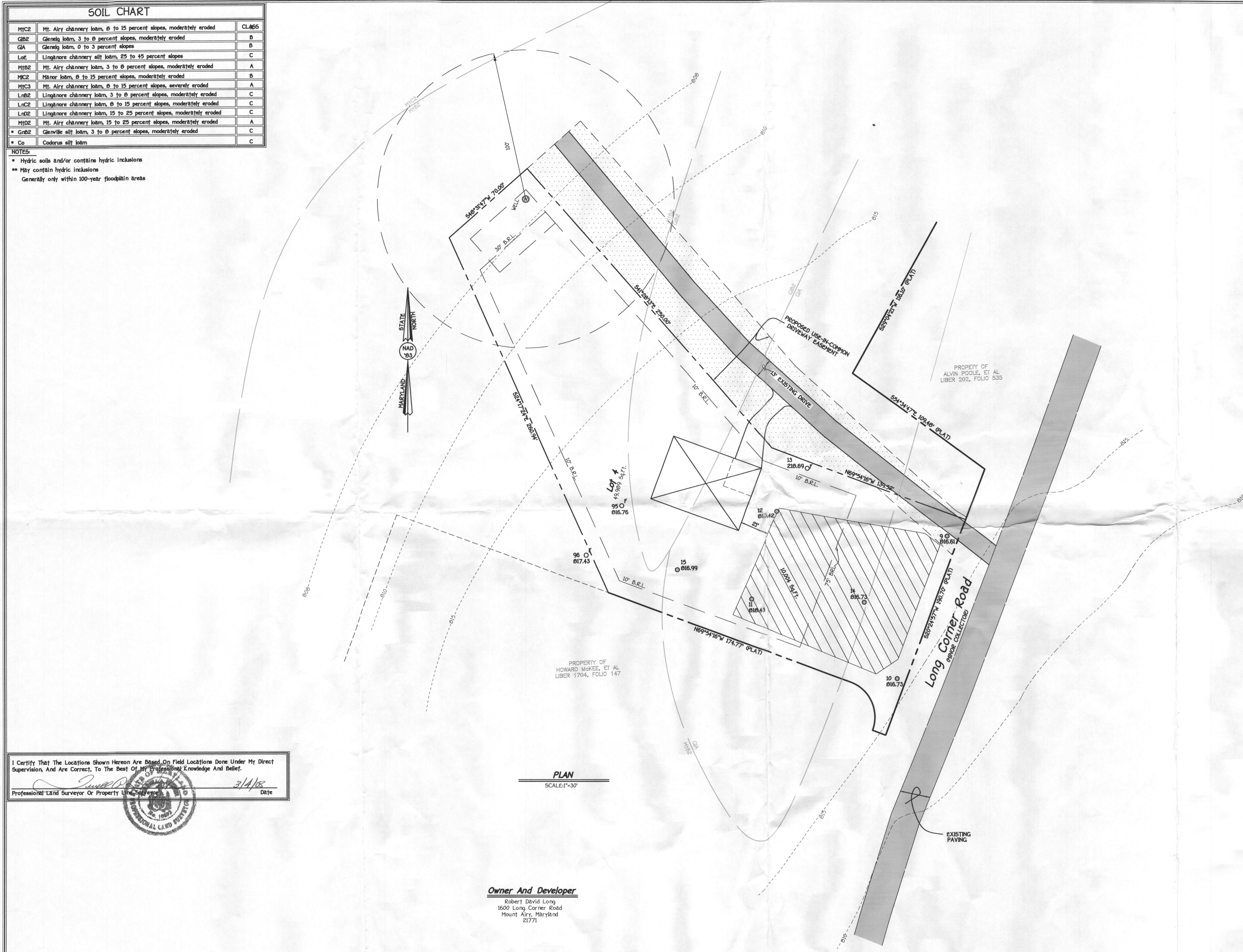
SOIL CHART		
MtC2	Mt. Airy channery loam, 0 to 15 percent slopes, moderately eroded	CL#65
GIB2	Glenelig loam, 3 to 8 percent slopes, moderately eroded	B
GIA	Glenelig loam, 0 to 3 percent slopes	B
LcC	Linganore channery silt loam, 25 to 45 percent slopes	C
MtB2	Mt. Airy channery loam, 3 to 8 percent slopes, moderately eroded	A
MtC2	Manor loam, 0 to 15 percent slopes, moderately eroded	B
MtC3	Mt. Airy channery loam, 0 to 15 percent slopes, severely eroded	A
LmB2	Linganore channery loam, 3 to 8 percent slopes, moderately eroded	C
LmC2	Linganore channery loam, 8 to 15 percent slopes, moderately eroded	C
LmD2	Linganore channery loam, 15 to 25 percent slopes, moderately eroded	C
MtD2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A
GrB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
Co	Codorus silt loam	C

NOTES:
 * Hydric soils and/or contains hydric inclusions
 ** May contain hydric inclusions
 Generally only within 100-year floodplain areas



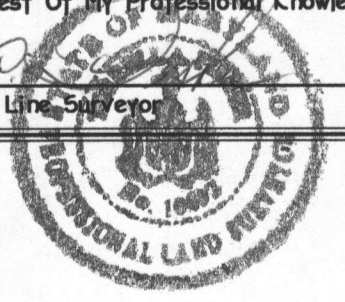
GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- WELL SHALL BE DRILLED PRIOR TO BUILDING PERMIT OR FINAL PLAN AS APPLICABLE.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL, INTERPOLATED FOR 2' CONTOUR INTERVAL.
- BOUNDARY OUTLINE BASED ON A PLAT ENTITLED PARAGON PROPERTY PLAT NO. 12310 BY MILDENBERG, BOENDER AND ASSOCIATES, INC. WITHOUT THE BENEFIT OF A FIELD SURVEY BY FISHER, COLLINS AND CARTER, INC. AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.



LEGEND	
---	EXISTING 2' CONTOURS
---	EXISTING 10' CONTOURS
---	EXISTING TREE LINE
---	SOIL LINES AND TYPES
○	DENOTES PROPOSED WELL
□	DENOTES PROPOSED HOUSE
□	DENOTES 15% - 24.9% SLOPES
□	DENOTES 25% AND GREATER SLOPE
□	DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE
○	DENOTES FAILED PERC
○	DENOTES PASSED PERC

I Certify That The Locations Shown Hereon Are Based On Field Locations Done Under My Direct Supervision, And Are Correct, To The Best Of My Professional Knowledge And Belief.
 Professional Land Surveyor Or Property Line Surveyor
 Date: 3/14/08



PLAN
 SCALE: 1"=30'

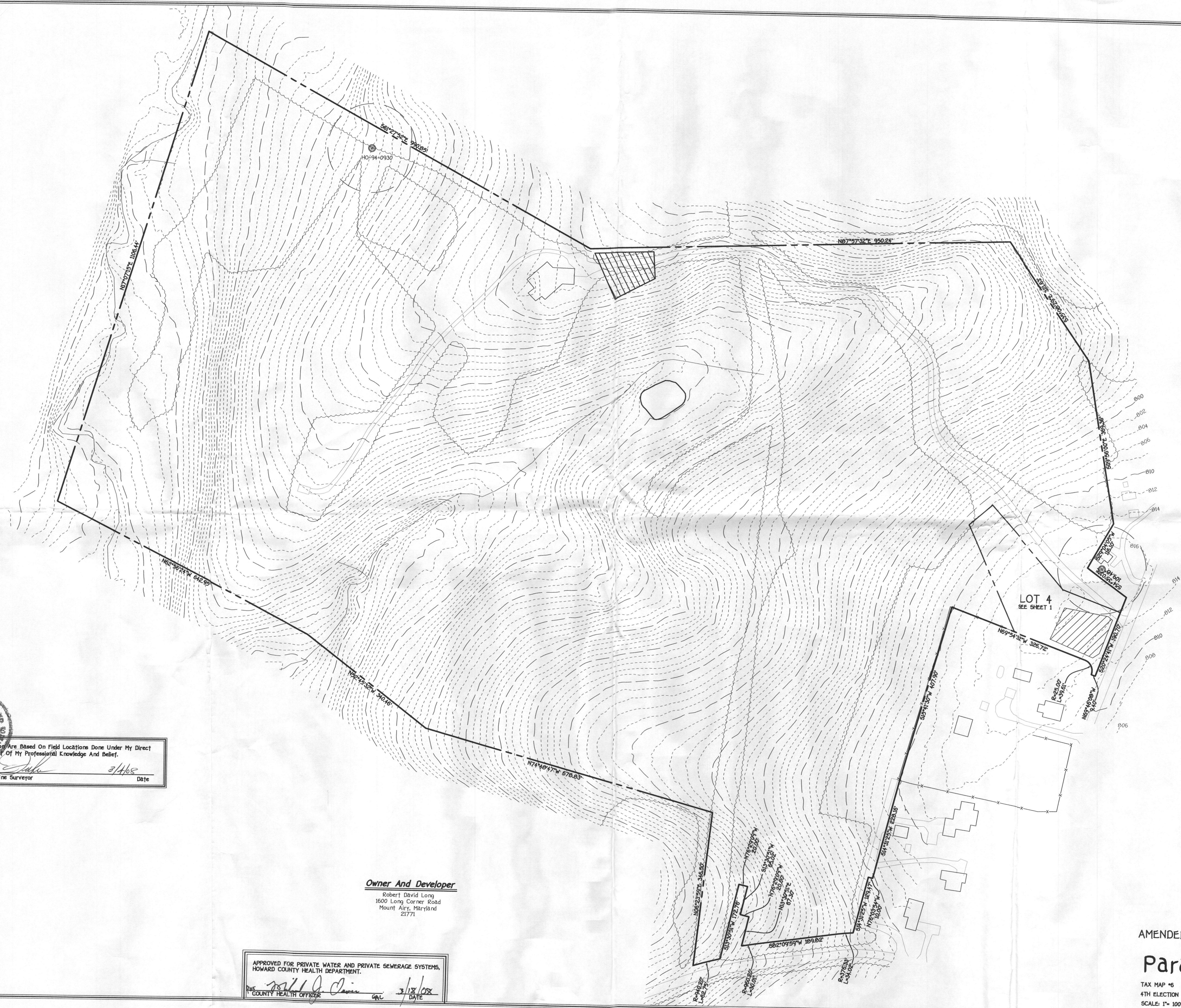
Owner And Developer
 Robert David Long
 1600 Long Corner Road
 Mount Airy, Maryland
 21771

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER
 Date: 3/18/08

AMENDED PERC CERTIFICATION PLAT
 LOT 4
Paragon Property
 TAX MAP *6 ZONED:RC-DEO PARCEL: 82
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"= 30' SHEET 1 OF 2 DATE: FEBRUARY 12, 2008

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 410.461.2955

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I Certify That The Locations Shown Hereon Are Based On Field Locations Done Under My Direct Supervision, And Are Correct In The Best Of My Professional Knowledge And Belief.

Robert David Long 3/18/08
 Professional Land Surveyor Or Property Line Surveyor Date

Owner And Developer
 Robert David Long
 1600 Long Corner Road
 Mount Airy, Maryland
 21771

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.

Robert David Long 3/18/08
 COUNTY HEALTH OFFICER DATE

AMENDED PERC CERTIFICATION PLAT
 LOT 4
Paragon Property
 TAX MAP #6 ZONED:RC-DEO PARCEL: 02
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"= 100' SHEET 2 OF 2 DATE: February 12, 2008

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 30272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 410.461.2895

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