

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 557413

AGENCY REVIEW: _____

DATE 10/5/15

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 _____ 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) Security Development

DAYTIME PHONE 410-465-4244 CELL _____ FAX 410-750-1947

MAILING ADDRESS PO Box 417 Ellicott City Maryland 21041
STREET CITY/TOWN STATE ZIP

APPLICANT Security Development

DAYTIME PHONE 410-465-4244 CELL _____ FAX _____

MAILING ADDRESS Po Box 417 Ellicott City Maryland 21041
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. PAR 2

PROPERTY ADDRESS Manor Lane Ellicott City Maryland 21042
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 23 GRID 23 PARCEL(S) 74 PROPOSED LOT SIZE 2.38AC

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.

SIGNATURE OF APPLICANT

STEFAN K. BRESNAHAN

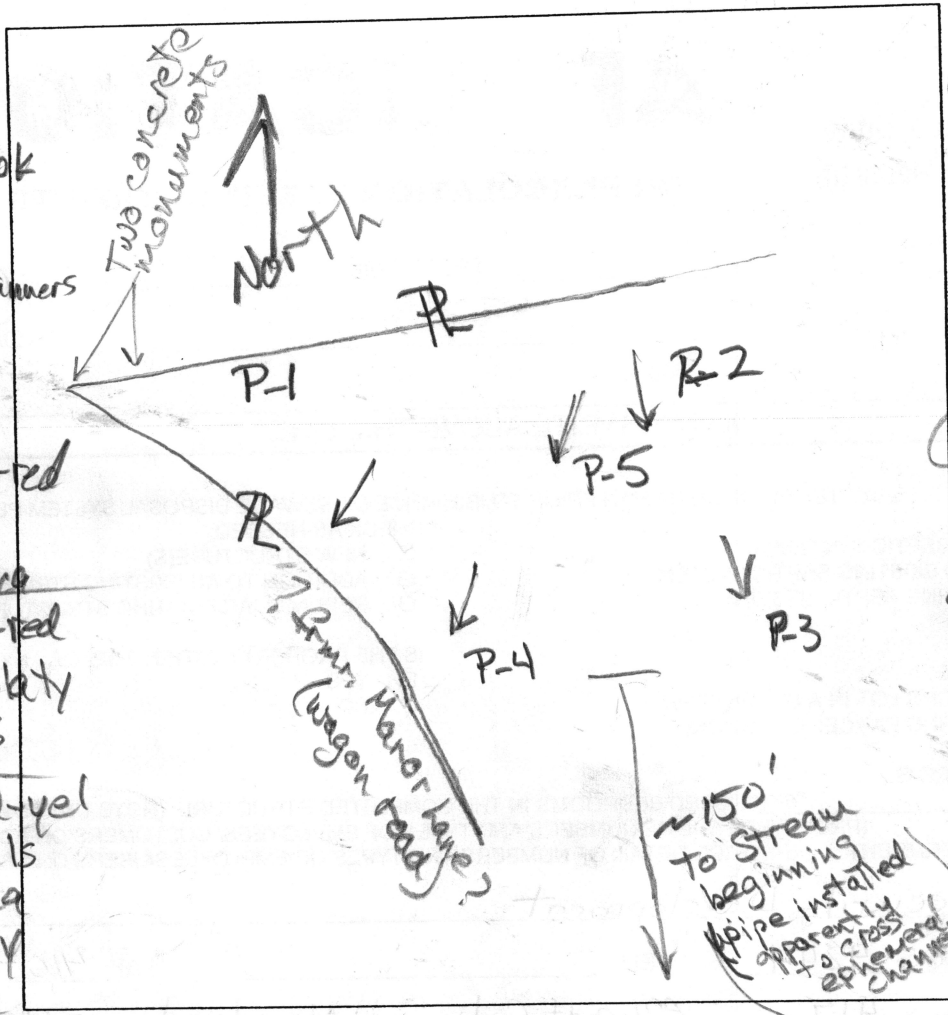
For ELICOTT LLC

By Security Development LLC

AP

P-3
 0.5' dk brn L, 3 v f sbk
 red brn L, thick platy, few gravel & channels
 1' yel-red L, SS, 2 msbk, mica
 2' red-yel & yel-red, 1 msbk, SS, common mica
 3' red-yel & yel-red sl, thick platy, many mica, SS
 5' yel-red, red-yel & grey-brn ls, common mica, thick platy
 11.5' well failure, water below

P-4
 dk grey-brn L, 2 v f sbk
 0.4' brn L, 2 f sbk
 1.1' red-brn & brn L, 2 msbk, few mica
 2.2' red-brn L, SS, 2 msbk, common mica
 3.8' yel-red & red-yel sl, thick platy, common mica
 5.3' red-yel, yel-red & grey-brn ls, thick platy, many mica
 11.7' water



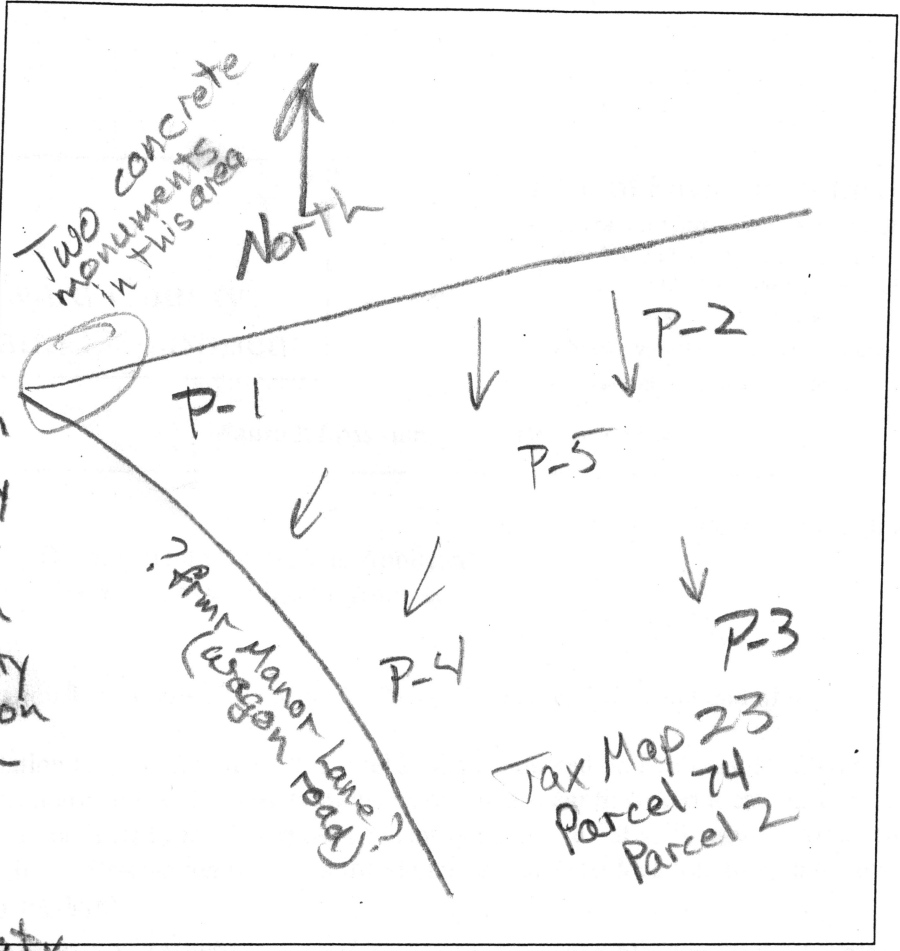
P-2
 0.4' dk brn L, 2 v f sbk
 1.2' brn L, 1 msbk
 3' yel-red & brn L, thick platy, SS, common mica
 6.9' red-yel & yel-red sl, thick platy, many mica
 9.7' red-yel, red, pale brn & grey-brn ls, thick platy, many mica
 13'

P-1
 dk brn L, 2 v f sbk
 0.5' brn L, 2 msbk, SS
 1' yel-red sl, 2 msbk, SS
 1.8' yel-red L, thick platy, common mica
 4.5' red-yel & brn sl, thick platy, dense few mica, few channels
 7.1' yel-red, red-yel & grey brn ls, few stones
 13' water below

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/18/16	P-3	5.5 / 11.5	10:33	10:37	10:44	7	P
2/18/16	P-4	6.5 / 11.7	11:08	11:15	11:31	16	P
2/18/16	P-2	8 / 13	12:08	12:14	12:24	10	P
2/18/16	P-1	7.4 / 13	12:47	12:52	12:58	6	P

REMARKS _____
 SANITARIAN R. Bricker BACKHOE Hatfield's OTHERS Clerk Sperry
 TEST HOLES USED IN SDA Spencer Freeman Donnie & Pedro AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

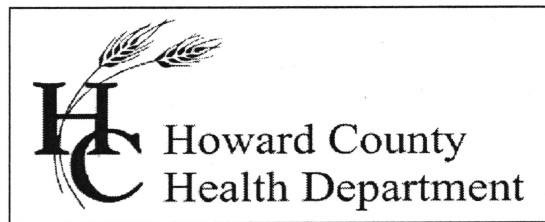
A/P _____



P-5
 0.5' dk brn L
 1.1' yel-red & brn L
 2.2' yel-red cl, ss
 3' yel-red & brn L, thick platy ss, few mica
 (5.8) red-yel, yel-red & grey-brn L, thick platy many mica
 12.5' - (dry) -

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/18/16	P-5	12.5'	Visual		4'-8" sidewalk 0.8 gpc / 1.2 P		

REMARKS _____
 SANITARIAN R. Bricker BACKHOE Hot Rods OTHERS Clark Sperry
S. Freeman Johnny Petro
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-1771 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

February 19, 2016

To: Security Development Corporation, Applicant
c/o Clark Sperry Jr., csperryjr@sdcgroup.com

RE: Percolation Test Report; Tax Map 23, Parcel 74, Parcel 2 (beyond end of Manor Lane)

Percolation testing on Parcel 74, Parcel 2 was conducted on February 18, 2016. A total of 5 test locations and/or soil profile observations were dug as near to staked locations as reasonable. These tests were conducted for the purpose of identifying an area of soils suitable for a sewage disposal area (SDA). Percolation time was 'Moderate' at each test location, though the tests 'PASS' at varying depths.

All percolation test locations, percolation test results, suitable area for wastewater discharge, and potential well locations are certified by the Approving Authority's signature of the Percolation Certification Plan. All percolation test locations must be field located and the respective elevations documented on a Percolation Certification Plan. Field run topography in and around the proposed SDA is required for certification.

Installation of a well is required prior to the Health Department approval of a building permit for a permanent structure. A well installation permit may be released after the Approving Authority signs the Percolation Certification Plan. A signed BAT Site Plan will also be required for the Health Department to approve a construction proposal for the vacant parcel as the new septic system will include a BAT unit.

The sequence of events, beginning with submittal of the Percolation Certification Plan should proceed as follows: 1) Review and revision/approval of the Percolation Certification Plan. 2) Installation of a potable water well. 3) Review and approval of the BAT Site Plan. 4) A building permit application may be approved by the Health Department when the well is installed and approved, and when the BAT Site Plan is signed by an Environmental Sanitarian.

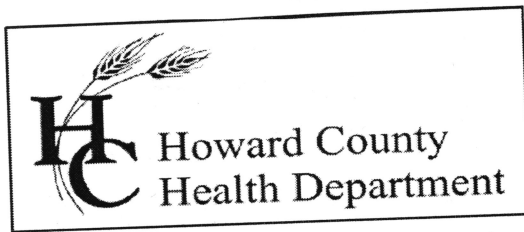
If you have any questions regarding this evaluation or requirements for a Percolation Certification Plan, please contact me by email or by calling (410) 313-2691.

Respectfully,

Robert Bricker, CPSS, REHS/RS, L.E.H.S.
Environmental Sanitarian II
Well and Septic Program

Enclosure: Percolation Test Application and two field data sheets

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Bureau of Environmental Health

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Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

Maura J. Rossman, M.D., Health Officer

March 14, 2016

To: John Carney, Benchmark Engineering, Inc.

From: Robert Bricker, REHS/R.S., Environmental Sanitarian II
Well and Septic Program

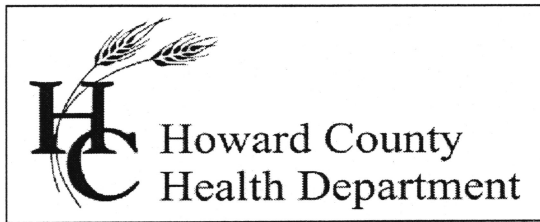
RE: Manor Lane (Tax Map 23, Parcel 74) Percolation Certification Plan

The following edits are needed on the Percolation Certification Plan submitted on March 3, 2016.

1. Delete Note 5 as it is no longer true.
2. Revise Note 6. The note must indicate that topography has been field run.
3. Edit Note 7. The well must be installed prior to Health Department approval of a building permit.

RB

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Bureau of Environmental Health

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Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

October 28, 2015

To: Security Development, Inc.
FAX: 410-750-1947

From: Robert Bricker, REHS/R.S., L.E.H.S.
Environmental Sanitarian II, Well and Septic Program
rbricker@howardcountymd.gov

RE: Comment on Percolation Test Plan for "Manor Lane"

Prior to discussion of potential dates for percolation tests to be conducted as proposed, a field review of the proposed sewage disposal area is required. Please inform me when stakes for the proposed test locations are in place.

RB

Copy: John Carney, Benchmark Engineering, Inc.
file

Bricker, Robert

From: Bricker, Robert
Sent: Thursday, January 14, 2016 3:30 PM
To: John Carney (jcarney@bei-civilengineering.com)
Subject: MANOR LANE_Percolation Test Plan _comment_1-14-2016
Attachments: Manor Lane_Perc Test Plan mark-up_1-14-2016.pdf

John,

See attached PDF, a mark-up of the submitted (1/8/2016) Perc Test Plan for "Manor Lane".

Adjust 4 of the proposed perc test locations as indicated. Locations indicated on the plan as "P-6", "P-7", and "P-8" will not be tested as that area is within 100 feet of an intermittent stream.

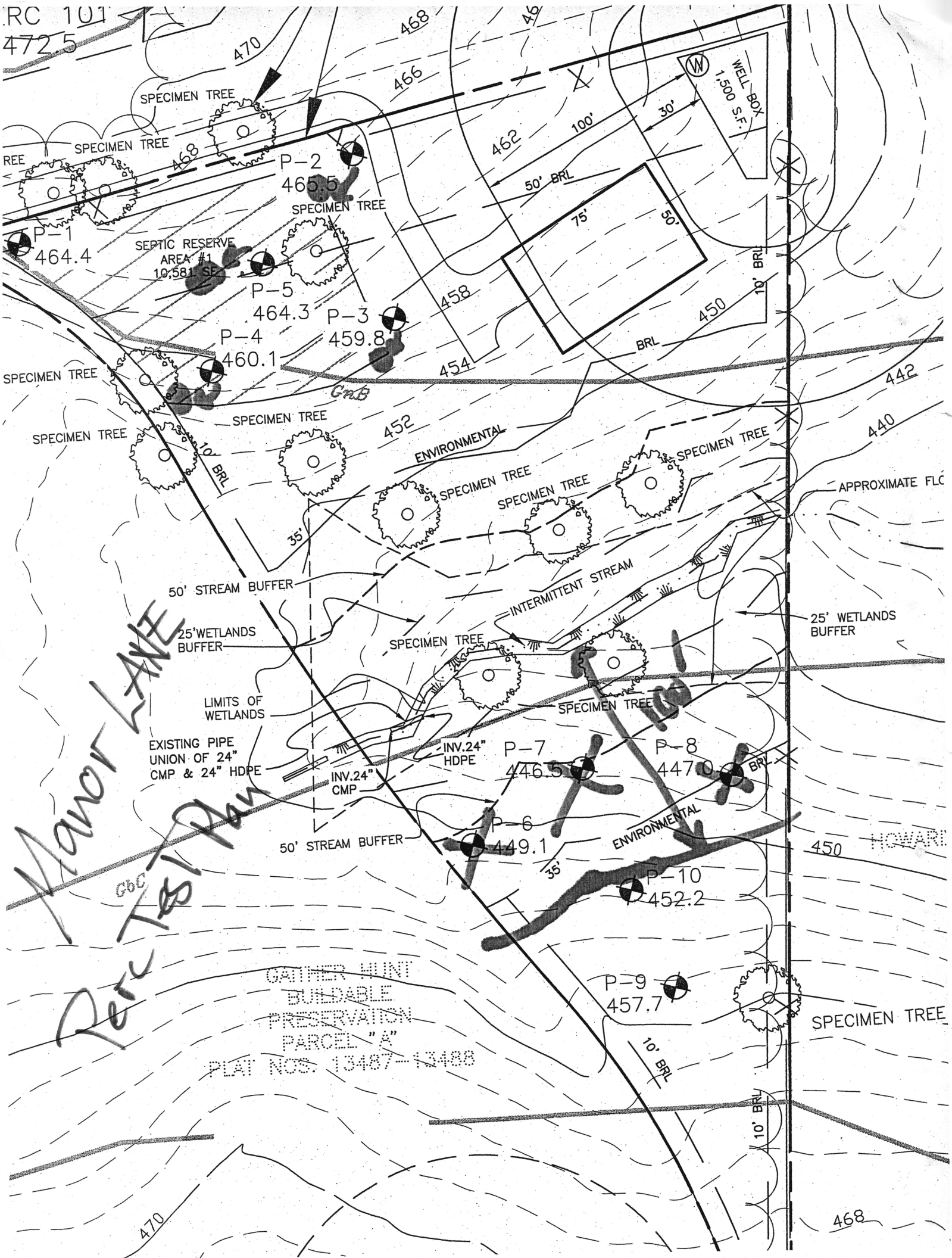
Wet-season testing is required.

ROBERT BRICKER, REHS/R.S., L.E.H.S.
ENVIRONMENTAL SANITARIAN II
BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
8930 STANFORD BLVD., COLUMBIA, MD 21045

Phone: Desk, 410-313-2691; Program, 410-313-1771; Bureau, 410-313-1774
Fax: 410-313-2648

E-mail: rbricker@howardcountymd.gov

RC 101
4725



Manor Lane
Per Test Plan

GATHER HUNT
BUILDABLE
PRESERVATION
PARCEL "A"
PLAT NOS. 13487-13488

SPECIMEN TREE

450 HOWARD

25' WETLANDS BUFFER

APPROXIMATE FLO

ENVIRONMENTAL

50' STREAM BUFFER

25' WETLANDS BUFFER

LIMITS OF WETLANDS

EXISTING PIPE UNION OF 24" CMP & 24" HDPE

INV. 24" CMP

INV. 24" HDPE

ENVIRONMENTAL

P-7

P-8

P-6

P-10

P-9

REE

P-1

SEPTIC RESERVE AREA #1 10,581 SF

P-2

P-5

P-4

P-3

ENVIRONMENTAL

SPECIMEN TREE

SPECIMEN TREE

SPECIMEN TREE

SPECIMEN TREE

SPECIMEN TREE

SPECIMEN TREE

P-7

P-8

P-6

P-10

P-9

SPECIMEN TREE

SPECIMEN TREE

SPECIMEN TREE

458

454

452

442

440

450

450

468

470

464.4

464.3

460.1

465.5

459.8

466

468

462

46

1500 S.F.

100'

30'

50' BRL

75'

50'

10' BRL

450

BRL

10' BRL

35'

10' BRL

35'

10' BRL

10' BRL

SOA $\frac{1}{2}$
not 100' from

Stream,
"ephemeral ditch"?

G15 shows a stream