



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 555741
DATE 2-11-15

AGENCY REVIEW: _____

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 4 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) GP DEVELOPERS LLC

DAYTIME PHONE _____ CELL 410 274 4756 FAX 443 283 4081

MAILING ADDRESS 4102 Pemberton Court Ellicott City MD - 21030
STREET CITY/TOWN STATE ZIP

APPLICANT BHAVIN PATEL

DAYTIME PHONE _____ CELL 410 274 4756 FAX 443 283 4081

MAILING ADDRESS As Above
STREET CITY/TOWN STATE ZIP

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

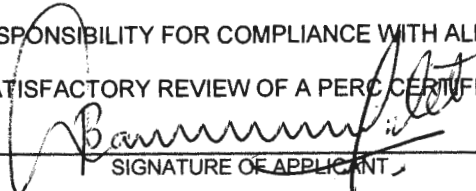
PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 14816 BUSHY PARK ROAD LOT NO. _____

PROPERTY ADDRESS 14816 BUSHY PARK ROAD WOODBING
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 0008 GRID 0022 PARCEL(S) 0215 PROPOSED LOT SIZE 0.75 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.


SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

HD-216 (2/03)

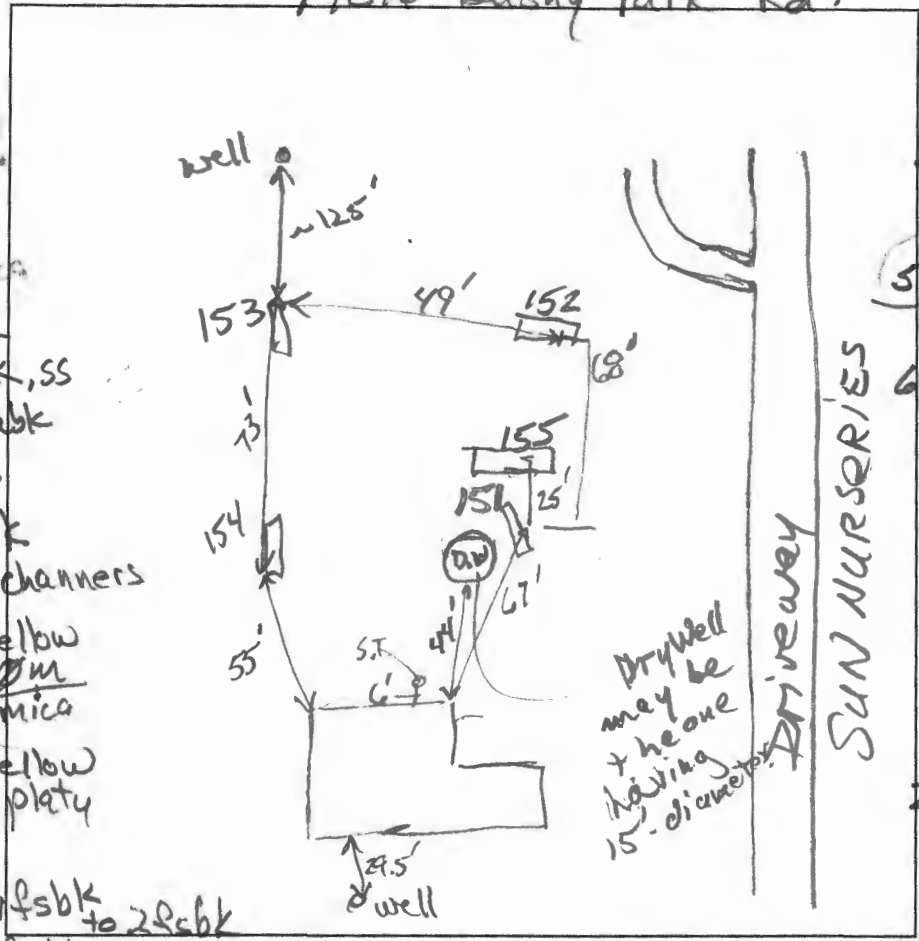
PLEASE SUBMIT ORIGINALS ONLY (BY MAIL OR IN PERSON)

Aryacivillic@gmail.com OR GPdevelopersmd@a

14816 Bushy Park Rd.

AP _____

151
 Fill
 0.8' brn L, 2 fskb
 1.4' yel-red L, 7 msbk, common mica
 3' brn L, 2 fskb
 3' brn cl, 2 msbk, SS
 3.5' yel-red 2msbk
 4.5' Clay skins, SS
 4.5' red sl, 1 fskb
 dense 10-20% channers
 13.0' red & brn-yellow
 fs, common mica
 very fine mica
 13.5' red & brn-yellow
 fl sl thick platy



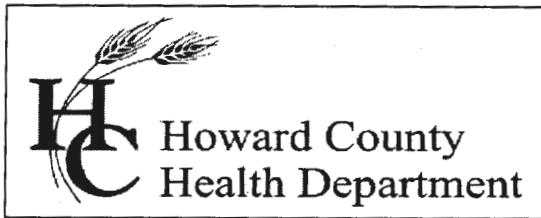
153 & 154
 0.7' dk brn L, 2 fskb
 2.8' yel-red cl, 2 fskb, SS
 5.5' yel-red yel L, 1 fskb, 35% SS
 4.5' red & brn-yel ch sl, Ø m
 12' red & brn-yel ch ls, Ø m

155
 12' dk, grey-brn L, 2 fskb
 2' yel-brn L, 2 msbk, SS
 3' yel-red L, 2 fskb, SS
 3' red sl w/ brn thick platy streaks
 clay skins, SS
 5.3' 10-15% channers
 12' brn-yellow & red ls thin platy few channers

152
 1' dk brn L, 3 fskb to 2 fskb
 1' red-brn L, 1 fskb
 2.1' red-brn cl, 2 fskb
 4.5' yel-red & brn L, Ø m
 5.7' red & brn-yel sl, common mica
 12' red & brn-yel ls, Ø m, mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/7/15	151	8.2' / 13.5'	11:25	11:41	12:18	37	P
4/7/15	152	6.7' / 12'	12:04	12:06	12:11	5	P
4/7/15	153	7.1' / 12'	12:35	12:41	12:48	7	P
4/7/15	154	12'	Visual	Sidewall	5.5' to 8'	0.8 gpd/ft ²	P
4/7/15	155	6.8' / 12'	1:38	1:42	1:50	8	P

REMARKS #153, ch = 20% rock; #154 ch = 30-35% rock
 SANITARIAN R Bricker BACKHOE Chavis Ent. OTHERS Patel, Nardal, Gervais
 TEST HOLES USED IN SDA S. Hicks DATE AVG. PERC TIME SQ. FT/BR
 TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SAW



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

April 8, 2015

To: Bhavin Patel, GP Developers, LLC, Applicant

RE: Percolation Test Report; 14816 Bushy Park Road (Tax Map 8, Parcels 215)

Percolation testing at 14816 Bushy Park Road was conducted on April 7, 2015. A total of 5 test locations and/or soil profile observations were dug for the proposed sewage disposal area (SDA). The SDA is required in support of a building permit for an addition to the existing house.

Four test locations, '151' thru '154' were dug at marked locations near the corners of the proposed SDA. Three of the locations, '152', '153', and '154', PASS for conventional septic system design. Location '151' is a PASS for an alternative septic system design. Location '155' was added to define a boundary between '151' and the remaining locations. Location '155' is a PASS for a conventional septic system design.

Locations of percolation tests that 'PASS' are used to define the sewage disposal areas (SDA) proposed on the Percolation Certification Plan. All percolation test locations, percolation test results, and suitable area for wastewater discharge 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. Also, to be included on the plan is the location of trenches for the initial drainfield and at least one replacement drainfield. The initial drainfield shall be installed in the uppermost area of the SDA. A Trench Specifications Sheet is included as an attachment to this report

There is a septic tank and two dry wells on the property. The septic tank cleanout is easily observable about 6 feet from the addition constructed about 2001-02. One dry well location is obvious and a small area across the top was excavated to determine approximate width and construction method. The location is about 44 feet from the corner of the house addition and near the excavation for test #151. This dry well is believed to be the one with a 15-foot diameter. The top is poured conglomerate and the walls are constructed of cinder block. There is also a dry well having a 10-foot diameter, and that dry well (which location was not observed) would be on the driveway side of location 151 if the Health Department record for the property is accurate. The Health Department is in agreement with you, as you have determined that a new septic system will be installed. The septic tank and both dry wells are to be properly abandoned when the new septic system is installed.

In addition to a Percolation Certification Plan, a BAT Site Plan is needed as the new septic system will include a BAT unit. Attached is a document describing the required content for a BAT Site Plan. The Percolation Certification Plan and the Bat Site Plan may be submitted together as one plan, however the Health Department recommends that calculations, septic system profile, and content related specifically to the BAT unit should be presented on a separate sheet than the sheet containing all of the Percolation Certification Plan.

The sequence of events, beginning with submittal of the Percolation Certification Plan/BAT Site Plan, should proceed as follows: 1) Review and revision/approval of the

Percolation Certification Plan. 2) Review and approval of the BAT Site Plan (which may be simultaneous to percolation certification approval). 3) Installation of the BAT system and trenches is completed and approved, and the 'old' septic system is abandoned. 4) Signature/release of building permit B15000169.

Please know that the Operation and Maintenance Agreement for BAT system must be signed by the (current) owner and/or contracted buyer, submitted at the Health Department for signature by the Approving Authority, then submitted to Land Records for recording. The Septic System Installation Permit may be released when a copy of the receipt for recording the agreement is delivered to the Health Department. The installation permit can only be released to a contractor who has been certified to install BAT units by the Maryland Department of the Environment.

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.

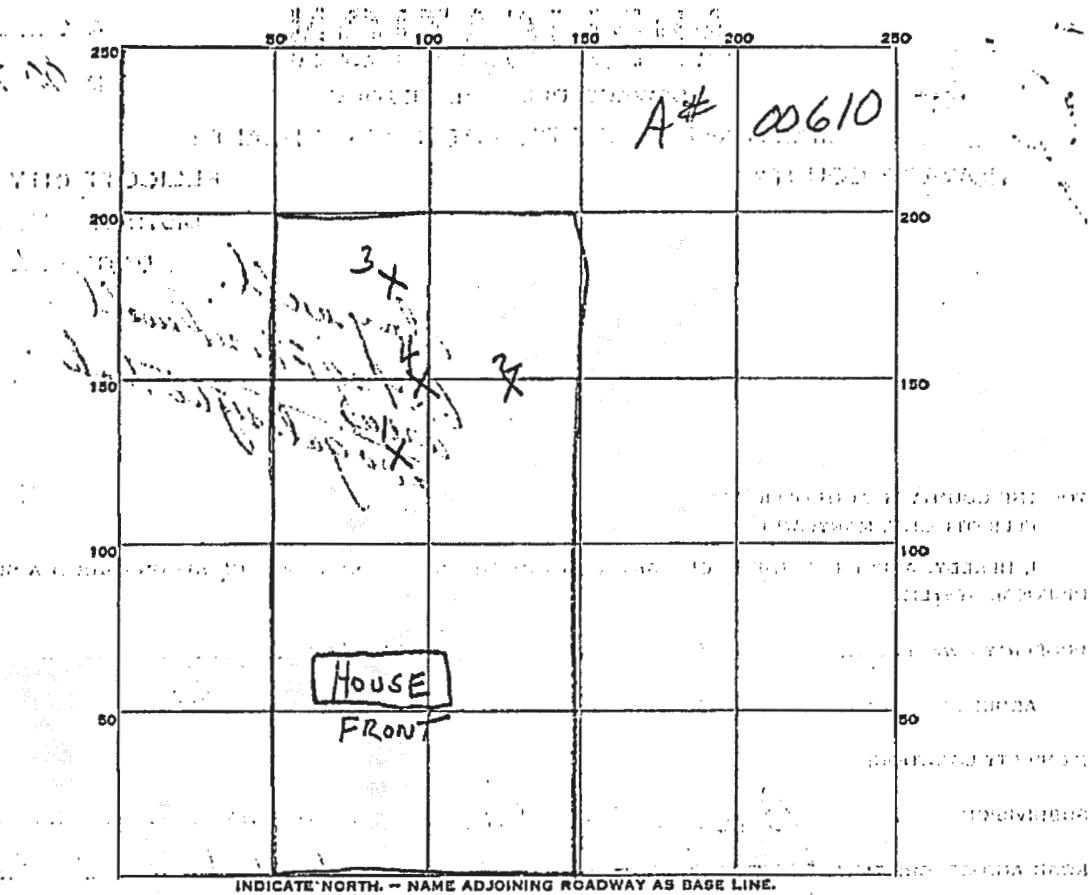
Respectfully,



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

Enclosures: (3)

Copy: Nandal Gevaria, consultant
file



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-26-59	1	3 ft.	10:48	11:30	10:10	10:50	40 Min
	2		10:52		1/2 inch Pre-Wet		40 Min
	3		10:55	11:33	1/2 inch Pre-Wet		38 Min
3-31-59	4	11 ft.	9:48	10:10	10:10	10:50	40 Min
	4	7 ft.	9:49	10:49			

SOIL AUGER FINDING _____

TESTED BY J. Hennigan

REMARKS _____

ALSO PRESENT Owner Dorsey LOT NO. _____

Percolation Certification Plan Purpose:

Proposing advance onsite BAT septic system to replace an existing conventional tank for proposed two story addition to add 2 bed rooms to existing house

Percolation Certification Plan Notes:

1. The lot shown hereon complies with the minimum ownership, width, and lot area as required by the Maryland State Department of the Environment.
2. Existing wells, septic systems, and sewage disposal areas within 100' of the property and those wells within 200' down gradient of existing or proposed septic systems or sewage disposal areas have been shown.
3. Topography shown is at two-foot contour intervals and has been field verified or field run.
4. Any changes to a private sewage area shall require a revised perc certification plan.
5. The existing septic system must be replaced and abandoned prior to health department approval of building permit application B15000169.
6. The entire subject property is within the "GgB" soil map unit.

THE EXISTING WELL SHOWN ON THIS PLAN (TAG# HO-88-0035) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

ENGINEER'S CERTIFICATION

"I certify that the information shown hereon is based on field work performed by me or under my direct supervision, as is correct, to the best of my knowledge and belief."

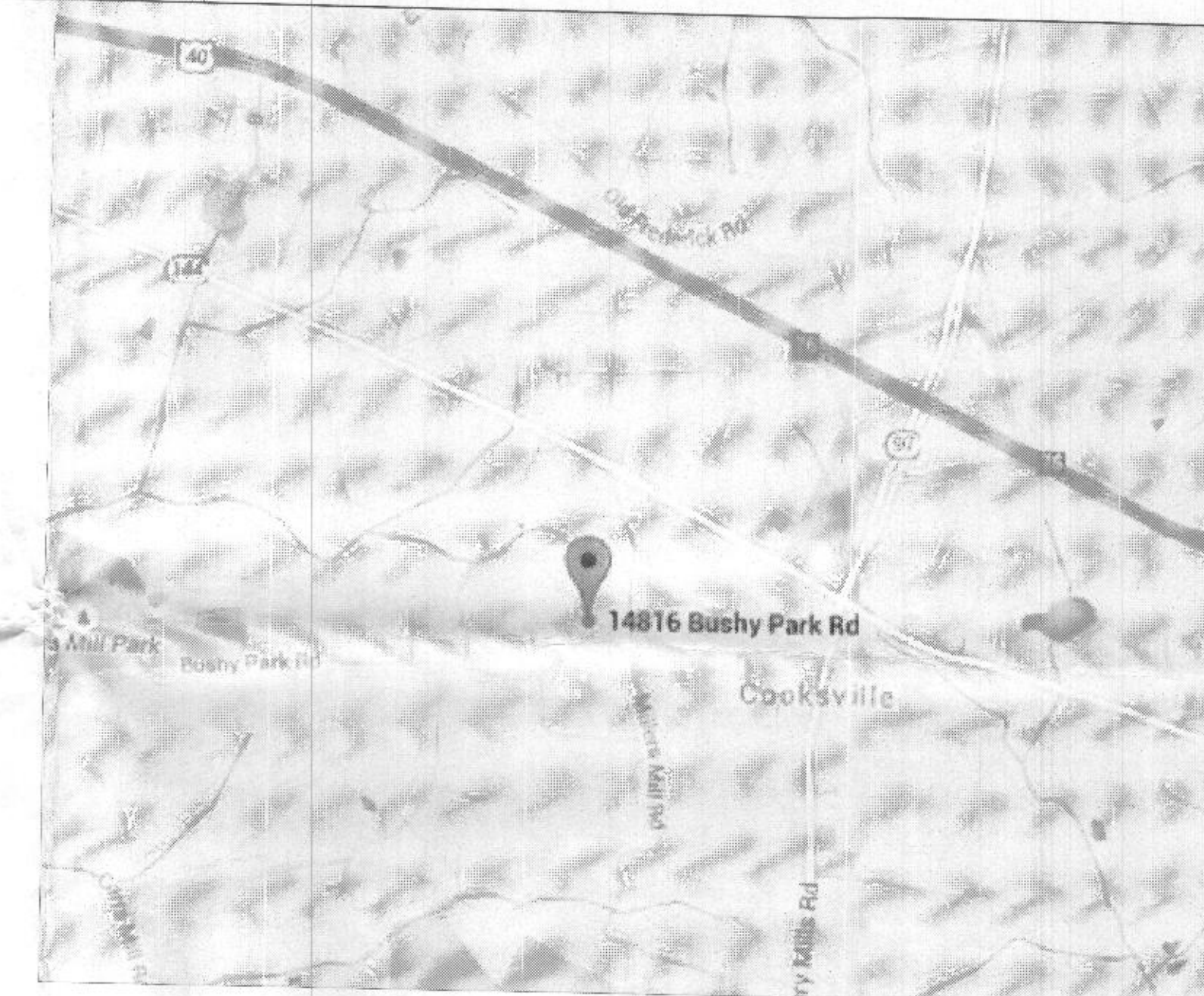
Signature _____ MD License# 0039367 Date _____
Name NANDLAL GEVARIA

LEGEND

- EXISTING CONTOUR — 652 —
- BUILDING PERIMETER ———
- PERC. TEST LOCATION □
- PROP. SEWAGE DISPOSAL AREA (SDA) ▨
- EX. WATER WELL ○
- ALT. WATER WELL ●

Notes:

This area ▨ designates a private sewage area as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available. This area 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 area. Recordation of a modified sewage area shall not be necessary.

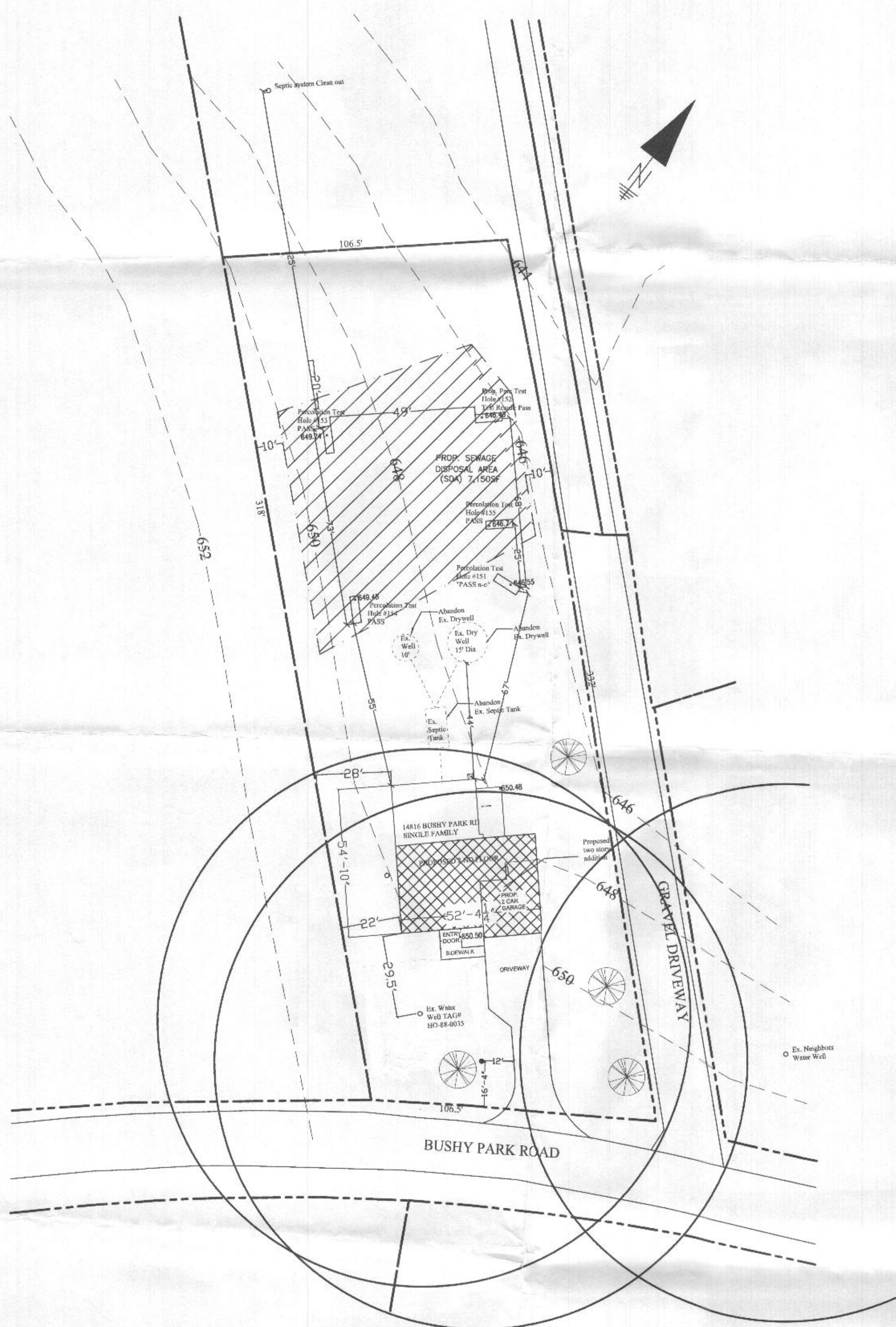


Vicinity Map
Scale: 1"=1500'

Property Information Parcel Assessment Information:

- Account ID: 1404313429
- Legal Description: IMPS.75 ACRE
- Deed Liber: 11320
- Deed Folio: 0166
- Subdivision: WOODBINE
- Tax Map: 0008
- Tax Map Grid: 0022
- Parcel: 0215
- Acres: 0.75

A Copy of Signed Perc Cert



Proposed Percolation Certification Plan
Scale: 1"=30'

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS
Michael J. Davis
County Health Officer
Howard County Health Department
Date: 8/17/15

REF. PERMIT # B15000169

ARYA CIVIL LLC
General Contractor and Design Engineers
3037 Bethany Lane, Ellicott City, MD 21042
Phone : (443) 535-2325, Fax : (443) 283 4081
aryacivil@gmail.com

GP DEVELOPERS, LLC
Owner and Developers
4102 Pemberton Court, Ellicott City, MD 21043
Phone : (410) 274-4756, Fax : (443) 283 4081
rolypolymetro@gmail.com

"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. 0039367, Expiration Date: 9/13/2016."



PROJECT ADDRESS:
14816 BUSHY PARK ROAD
WOODBINE MD 21797

PROPOSED ALTERATION FOR 14816 BUSHY PARK ROAD, WOODBINE MD 21797

DATE	REVISED BY	SCALE
		AS SHOWN

Percolation Certification Plan

JULY 15, 2015

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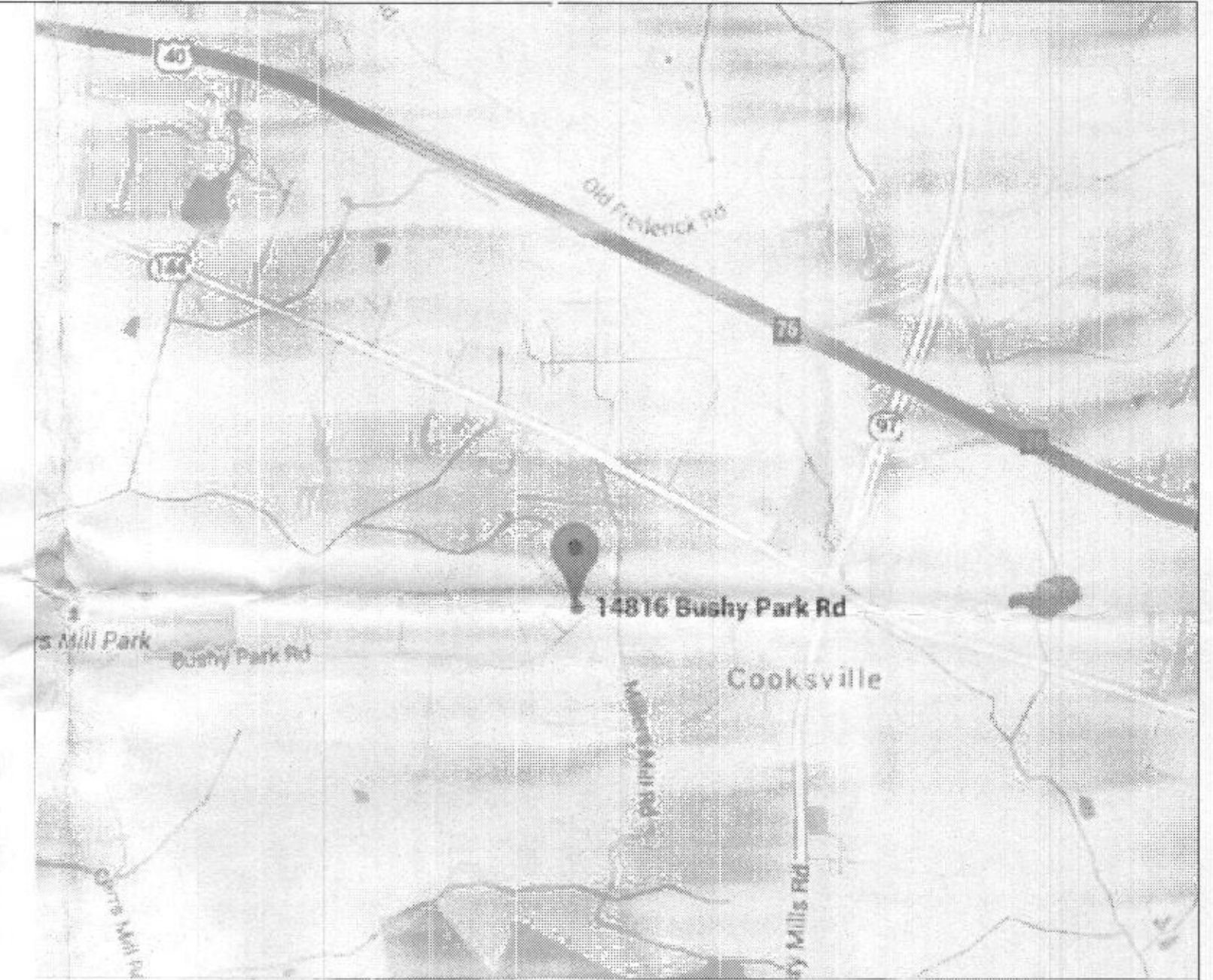
Signature _____ MD License# 0039367 Date _____
Name NANDLAL GEVARIA

LEGEND

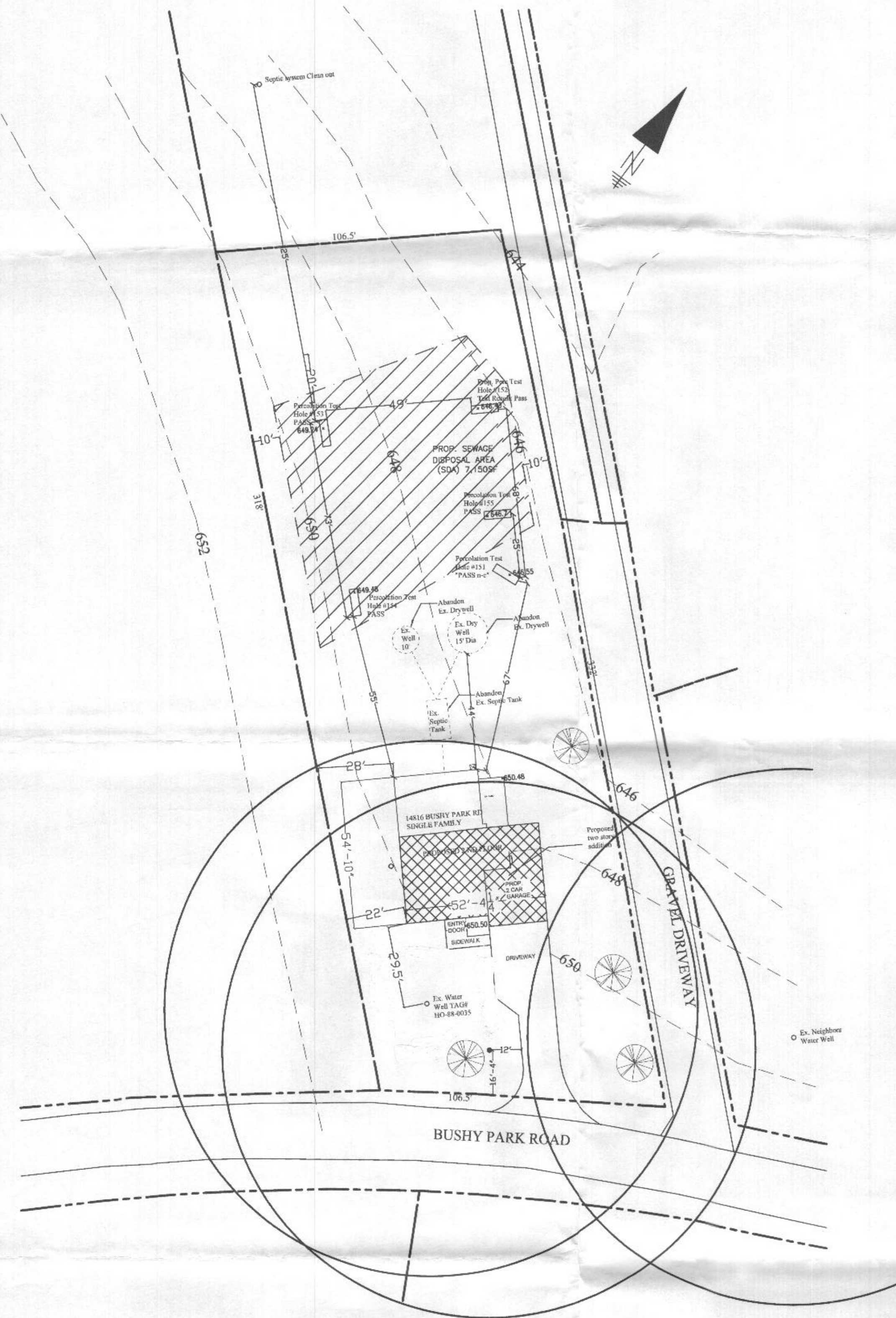
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Scale: 1"=1500'



Proposed Percolation Certification Plan
Scale: 1"=30'

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- Acres: 0.75

A. Copy of signed Perc Cert

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS
Michael J. Owen
County Health Officer
Howard County Health Department
Date: 8/13/15

REF. PERMIT # B15000169

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PROJECT ADDRESS:
14816 BUSHY PARK ROAD
WOODBINE MD 21797

PROPOSED ALTERATION FOR 14816 BUSHY PARK ROAD, WOODBINE MD 21797

DATE	REVISED BY	SCALE
		AS SHOWN

Percolation Certification Plan

JULY 15, 2015