



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

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

*Q/P 538084*

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

DATE *10-2-12*

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) Rocco Panza

DAYTIME PHONE 240 304 8988 CELL 240 304 8988 FAX 301 576 8076

MAILING ADDRESS 7465 Browns Bridge Rd. Hilland MD. 20777  
STREET CITY/TOWN STATE ZIP

APPLICANT Amir Dahan

DAYTIME PHONE 301-996-3444 CELL 301-996-3444 FAX 410-489-5102

MAILING ADDRESS P.O. BOX 24 Hilland MD 21738  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME \_\_\_\_\_ LOT NO. \_\_\_\_\_

PROPERTY ADDRESS 7465 Browns Bridge Rd Hilland MD. 20777  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) \_\_\_\_\_ GRID \_\_\_\_\_ PARCEL(S) \_\_\_\_\_ PROPOSED LOT SIZE 3.039

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]  
SIGNATURE OF APPLICANT

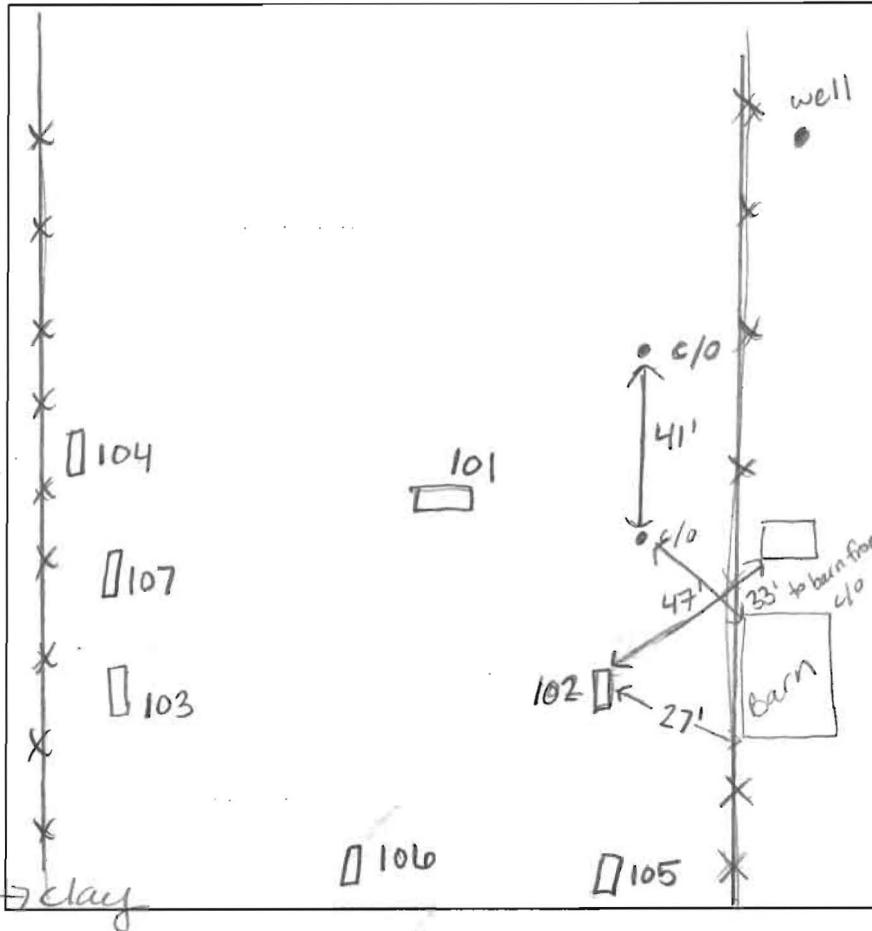
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

# Brauns Bridge Rd

A/P \_\_\_\_\_

101  
brn l  
brn sticky  
scl  
4.5'  
yellow  
brn sl  
Saprolite  
6'  
brn fs1  
some mottling  
10'  
brn  
sil  
↓  
H<sub>2</sub>O in  
bottom  
15'

102  
brn l  
sbk  
14"  
yellow  
sl lmsbk  
2'  
yellow  
fsl  
Saprolite  
mottles  
8'  
brn  
fs1  
many mica  
mass  
12'  
brn sil  
Saprolite  
gray  
dry sil  
15'  
103  
heavy  
dk brn l  
1.5'  
yellow  
scl  
massive  
5.5'  
yellow  
brn fs1  
Saprolite  
9'  
brn sil /  
v fs1?  
10'  
brn v fs1  
micaceous  
dry  
13'



104  
brn l  
sbk  
1'  
yellow brn  
cl dense  
3'  
yellow brn  
scl lmsbk  
5'  
gray  
brn sticky  
fsl  
9'  
brn  
v fs1 /  
sil  
14'  
micaceous  
H<sub>2</sub>O in bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/9/12	101	6.5' / 15'	9:29	too slow - reshel-			
	102	3.5' / 16'	9:35	10:00	Stopped after 1st inch - reshel-		
	103	7' / 13'	10:01	10:07	10:16	9	P
	101	5' / 15'	10:20	no movement	<del>reshel-</del>		
	104	5' / 14'	10:53	no movement			F
	102	6' / 16'	10:59	no movement			F

REMARKS holes dug per plan. 101-104

SANITARIAN HS BACKHOE Fyock OTHERS Amir

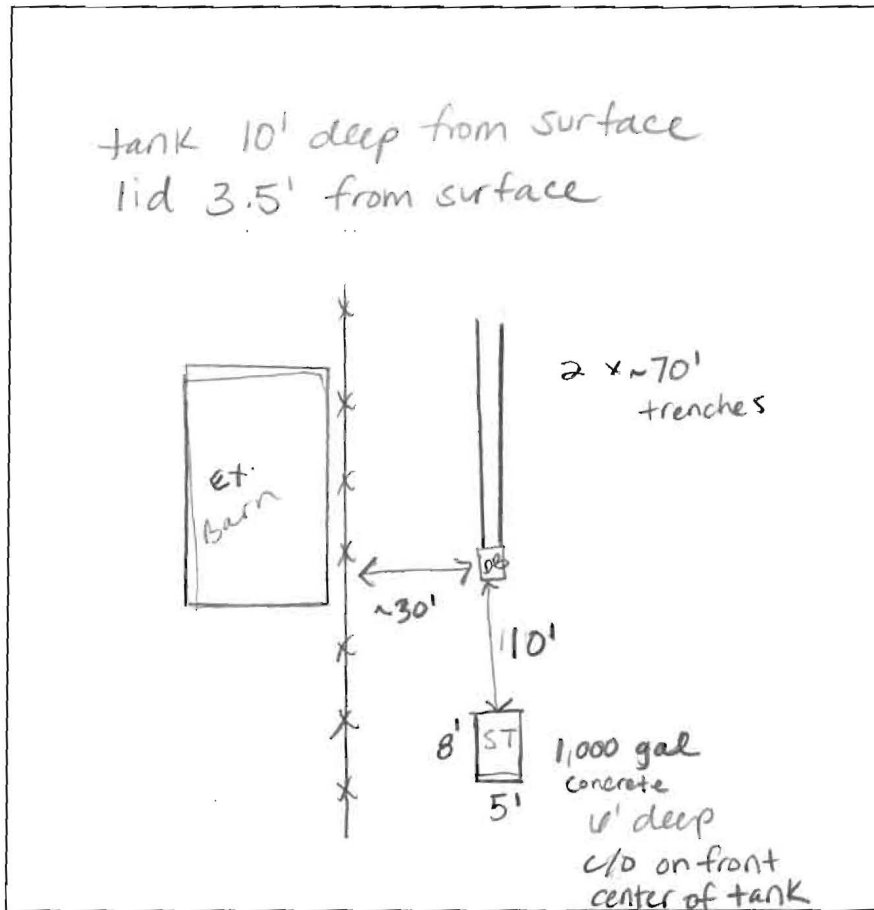
TEST HOLES USED IN SDA 4 AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

105  
 1' sticky  
 4.5' yellow  
 grscl  
 2msbk  
 6' vch  
 bm sl  
 mottling  
 Channels  
 50%  
 8' bm  
 fsl saprotic  
 moist  
 10'

106  
 2' yellow  
 dense cl  
 yellow  
 ch cl  
 lcsbk  
 7' sticky  
 dense  
 gray  
 cl 3msbk  
 mottles  
 9'

107  
 40%  
 quartz  
 gray  
 sl  
 mottles  
 7' gray sand  
 perched  
 H<sub>2</sub>O?  
 mottling  
 ↓  
 gray sil  
 1'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11/9/12	105	10'	VISUAL				F
	106	9'	"	"			F
	107	11'	"		"		F

REMARKS deep clays stone clean @ end of trench.

SANITARIAN HS BACKHOE Fyock OTHERS top of trench stone getting black

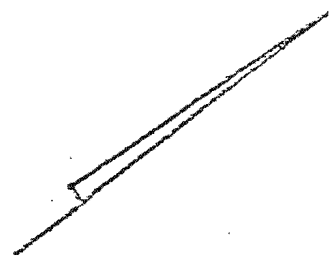
TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

THIS PLAN CANNOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.

L: 2045 F: 202  
ELECTION DISTRICT  
HOWARD COUNTY, MD

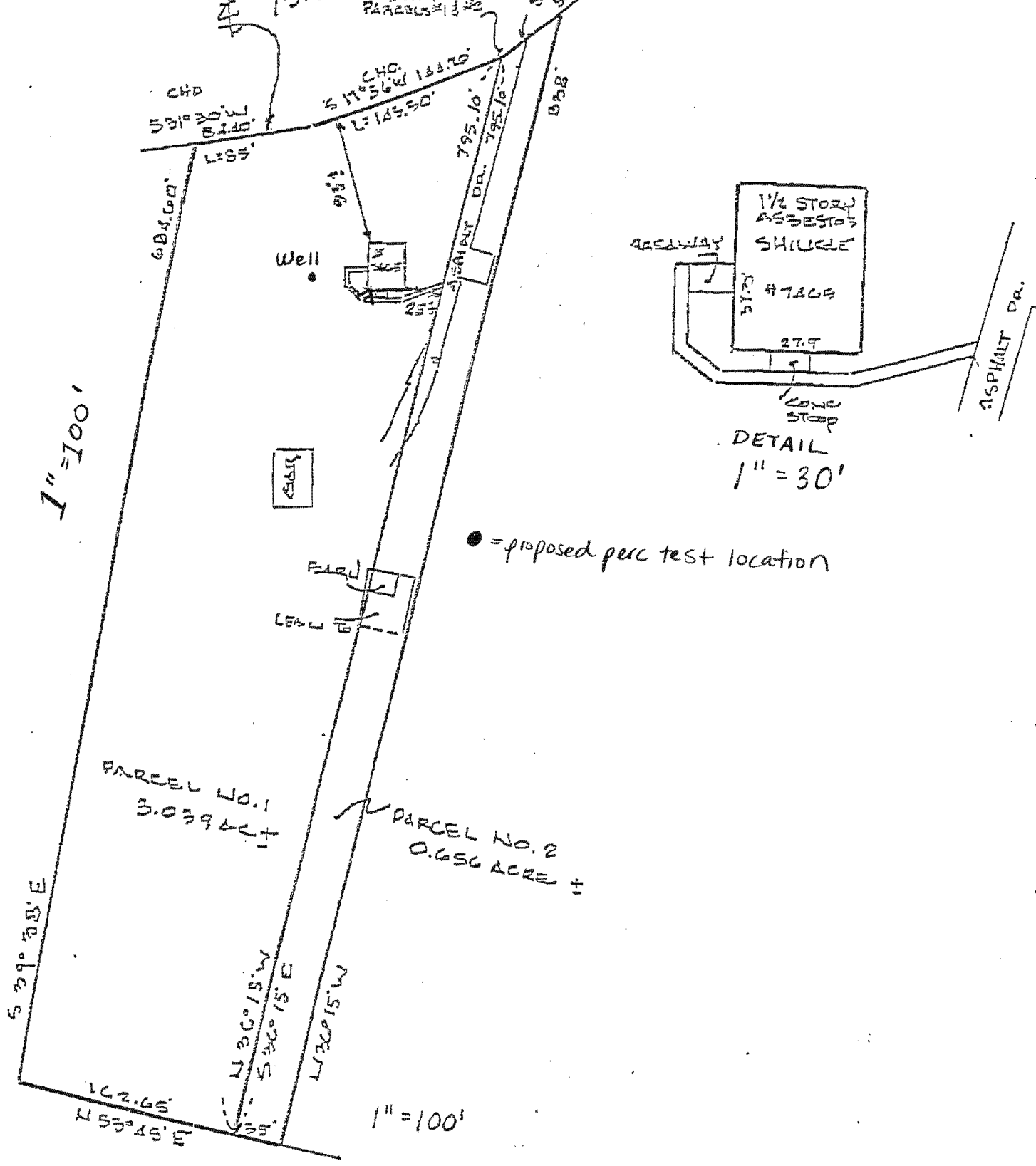
BROWN'S BRIDGE ROAD  
500'±  
SA. TO ROUTE 210



1" = 100'

DETAIL  
1" = 30'

● = proposed perc test location



# Project Communication

**From:** Heidi Scott

**Date:** 11/28/2012

**Project Name:** 7465 Browns Bridge Road

**File Number:**

**Meeting Attendees:** Rocco Panza, Amir Dahan, Heidi Scott, Jeff Williams

## Background Notes:

Property was perc tested on 11/9/2012. Results of perc test were mostly unsatisfactory due to slow perc rates and water table issues (specifically indications of a perched water table).

A tree fell on the existing house in August and damaged the roof. Owner is trying to obtain a building permit to repair the damage to the house and add additional living space.

The existing system was exposed during the perc test and is located within failing perc tests.

## Key Issues:

Percolation tests failed conventional testing. Due to soil conditions sand mound testing is not possible. Further percolation testing would be necessary to allow additional square footage and/or bedrooms to the existing house. Current perc application is good for 2 years.

New perc test locations may require relocating the existing well location.

## Health Dept. Required Actions/Follow-up:

Owner must apply for a BAT system through BRF in order to obtain a building permit and keep using the existing septic system regardless.

The building permit will not be issued until the owner is issued an award letter from C.V.I. and the installer has a pulled a septic permit.

The owner may NOT add any additional square footage to the house or alter the footprint. Only the roof line can be squared off within the existing footprint upstairs.

## Meeting Attendees Required Actions/Follow-up:

Owner must follow up with C.V.I. to determine the grant amount and then decide which unit will be installed. New floor plans reflecting Health Dept. requirements must be sent for review to our office.



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
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

January 7<sup>th</sup>, 2013

**Re: 7465 Browns Bridge Road  
Highland, MD 2077  
Building Permit B12003437**

To Whom It May Concern:

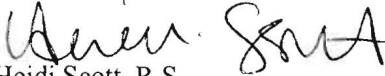
The above referenced building permit has been reviewed by this office. Percolation testing was conducted on 11/9/2012. Results were unsatisfactory due to an insufficient buffer to the water table and slow percolation rates. The existing septic system was also evaluated at the time of percolation testing. The current system is considered unsuitable to support an increase in bedrooms or living space to the existing dwelling.

This department will allow a building permit to be issued for repairs to restore structural damage that occurred in July 2012. Health Dept. approval of a building permit is subject to the following requirements:

- An approved pre-treatment unit using best available technology **must** be installed on the existing septic system.
- The floor plans must remain consistent with the floor plans submitted and discussed during a meeting with this department on 11/28/2012. The roof line may only be squared off within the existing footprint of the upper level.
- Any change to the existing house footprint including an increase in bedrooms or living space **will not** be approved unless additional percolation testing is performed a Percolation Certification Plan is approved. A new septic system must also be installed within the new septic area to support the new addition.

This office recommends approval of a building permit application provided that the proposal does not deviate from the items addressed in this letter. Please contact this office if you have any additional questions or concerns.

Sincerely,

  
Heidi Scott, R.S.  
Well & Septic Program  
Development Coordination Section

Cc:  
Rocco Panzo



## Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

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

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

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

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Sincerely,

A handwritten signature in black ink, appearing to read 'Heidi Scott', written over a light blue horizontal line.

Heidi Scott, R.S.

Well & Septic Program

Development Coordination Section

Cc:

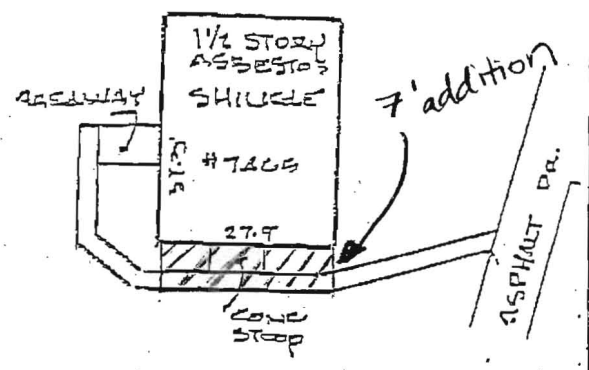
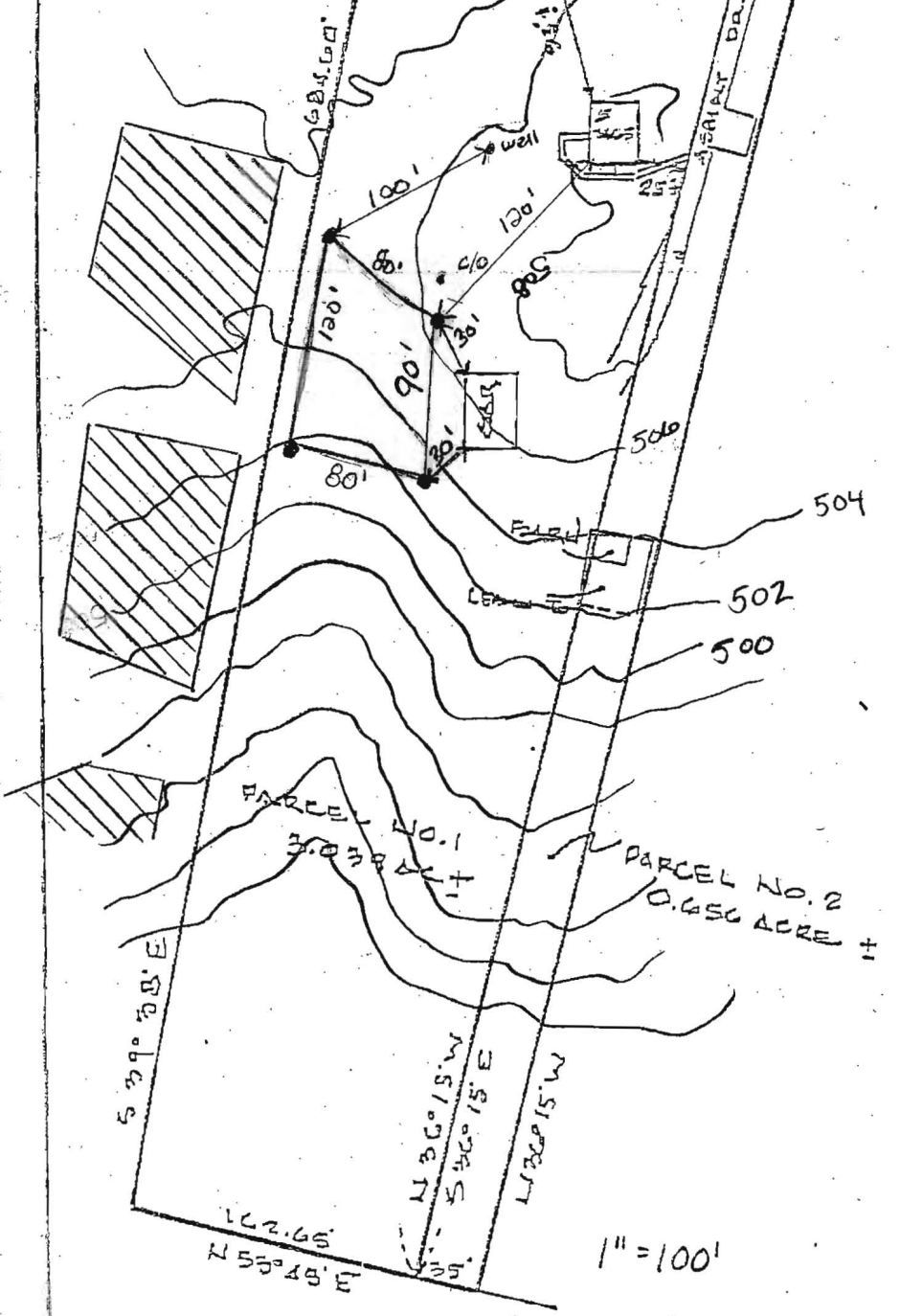
Rocco Panzo

PROPERTY KNOWN AS:  
 L: 4045 F: 202  
 SELECTION DISTRICT  
 HOWARD COUNTY, MO

THIS PLAN CAN BE USED TO LOCATE  
 PROPERTY LINES OR CORNERS.

BROOK'S BRIDGE ROAD  
 500.70'E  
 51.12' TO ROUTE 210

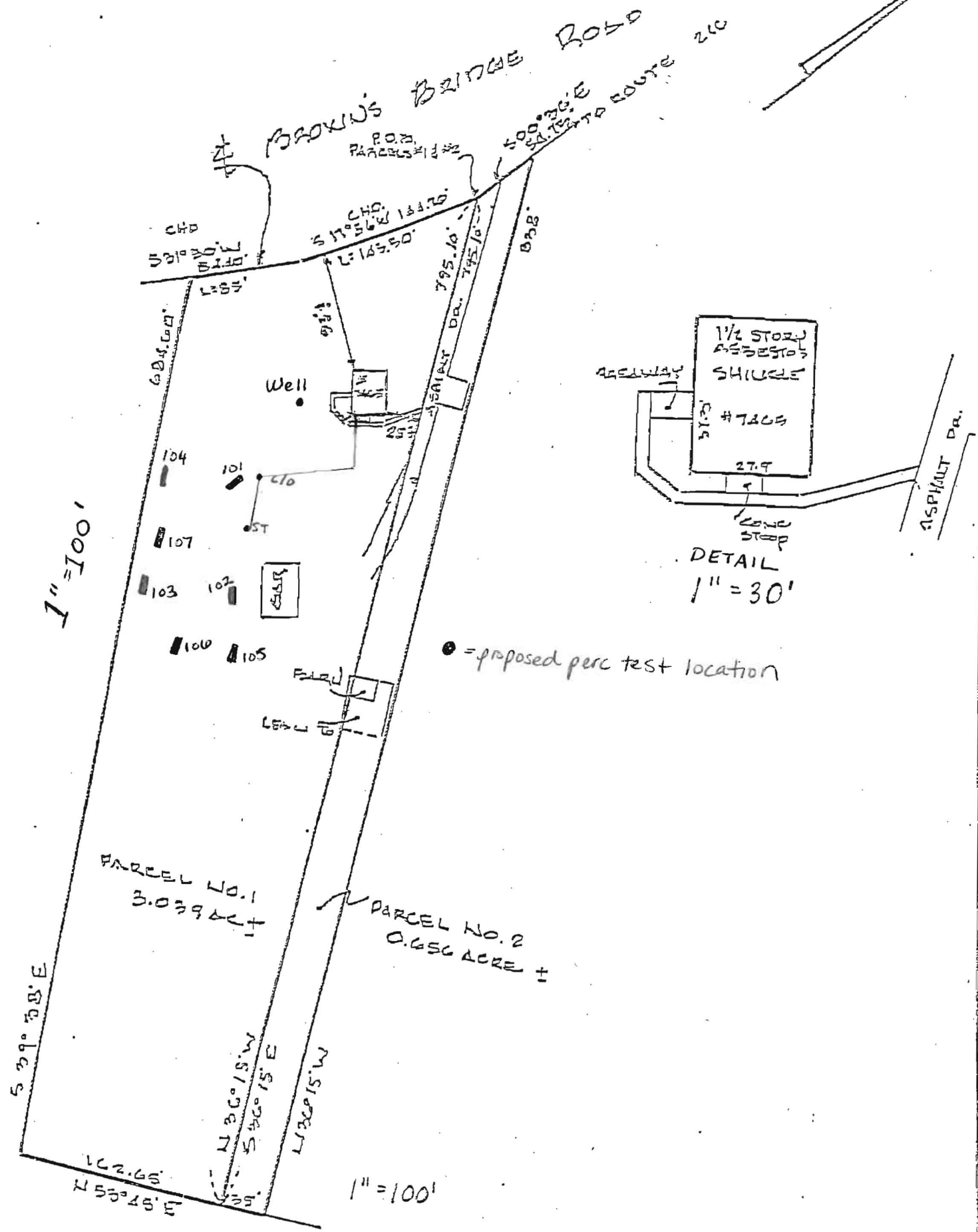
CHD  
 S 31° 30' W  
 51.10'  
 L: 53'  
 S 17° 56' W  
 134.75'  
 L: 145.50'



1" = 30'

1" = 100'

L: AC45 F: 202  
ST. ELECTION DISTRICT  
HOWARD COUNTY, MO



1" = 100'

DETAIL  
1" = 30'

● = proposed perc test location

PARCEL NO. 1  
3.039 ACRES ±

PARCEL NO. 2  
0.656 ACRE ±

1" = 100'