

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

A/P

AGENCY REVIEW:

DATE

DO NOT WRITE ABOVE THIS LINE

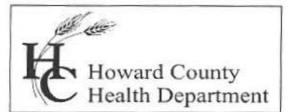
I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSU CHECK AS NEEDED:			SAL SYSTEM PERMI	T(S) TO:
CHECK AS NEEDED: CONSTRUCT NEW SEPTIC SYSTEM(S)		CHECK AS NEEDED: O NEW STRUCTURE(S)		
REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM		ADDITION TO AN EXISTING STRUCTURE REPLACE AN EXISTING STRUCTURE		
CREATE NEW LOT(S) BUILD ON AN EXISTING LOT IN A SUBDIVISION BUILD ON AN EXISTING PARCEL OF RECORD		U YES S NO		
	POSED BEDROOMS IN THE			
	ETAIL OF NUMBERS AND TY VIDE DETAIL OF NUMBERS			
		1		
PROPERTY OWNER(S) Richard and	May Miaci son			
DAYTIME PHONE	CELL		FAX	
MAILING ADDRESS 13072 SAINT 1	Patricks court	Highland	mD	20777
STREET		CITY/TOWN	STATE	ZIP
APPLICANT Sill, Adcock and	Associates	LLC		
DAYTIME PHONE 443-325-7682	CELL	-	FAX 443-32	5-1685
MAILING ADDRESS 3300 North R.	dge Road suit	e 160 ElliCott	rtu mi	> plade
STREET	The second shirt	CITY/TOWN	STATE	ZIP
APPLICANT'S ROLE: DEVELOPER BU	JILDER BUYER	RELATIVE/FRIEND	REALTOR	CONSULTANT
PROPERTY LOCATION	ant Diant	i i ct	1.0000	22
SUBDIVISION/PROPERTY NAME 13072	Jain Patricks	COMI	LOT N	0. 45
PROPERTY ADDRESS 13072 SAINT	Patricks Cour	t Highla	nd 2017	7
STREET		TOWN/PO	ST OFFICE	
TAX MAP PAGE(S) 34 GRID	PARCEL(S)	855 PR	OPOSED LOT SIZE	1.84 Ac.
AS APPLICANT, I UNDERSTAND THE FOLLOW	VING: THE SYSTEM INST	ALLED SUBSEQUENT T	O THIS APPLICATIO	ON IS ACCEPT-
ABLE ONLY UNTIL PUBLIC SEWERAGE IS AV	AILABLE. THIS APPLICA	TION IS COMPLETE WH	EN ALL APPLICABL	E FEES AND A
SUITABLE SITE PLAN HAVE BEEN RECEIVED	. I ACCEPT THE RESPO	NSIBILITY FOR COMPLI	ANCE WITH ALL M.	O.S.H.A. AND
"MISS UTILITY" REQUIREMENTS. APPROVA	L IS BASED UPON SATIS	FACTORY REVIEW OF A	PERC CERTIFICAT	TION PLAN.
TEST RESULTS WILL BE MAILED TO APPLICA	ANT. John	James		
	/	SIGNATURE OF APP	LICANT	
HOWARD COUNTY HEALTH DEPARTME 7178 COLUMBIA GATEWAY DRIV				

TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

PLEASE SUBMIT ORIGINALS ONLY (BY MAIL OR IN PERSON)



dkgrey-brasil pale brasil slightly sticky 13072 Soint Patricks Ct House 01-100 SULAND. Jeck OWM Stake 5+ loon Li 11 2msbk to 1msb Hel-red ch 2.8many Mica Rock yet-red chal 00 3,5 Outcrop COMMON Mico ente hanner 7.5 Ve Stake 1001 mon mica No BREAK 1" DROP STOP TIME OF 2" DROP 2ND INCH DATE TEST# DEPTH START P/F/H Sidewally to 6.8 ıа Sidewal 3.5 107/ Visual 0,8000 Reficter BACKHOE RONNie Heaffriets Kyle REMARKS SANITARIAN TEST HOLES USED IN SDA AVG. PERC TIME SQ. FT/BR TRENCH WIDTH INLET DEPTH EFFECTIVE S/W MAX. BOT DEPTH



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

March 6, 2014

To: Paul Sill, Sill, Adcock and Associates, Applicant paul@saaland.com

RE: Percolation Test Report; 13072 Saint Patrick's Court

Percolation tests were conducted at 13072 Saint Patrick's Court (Tax Map 34, Parcel 355) on February 21, 2014. Three test locations, '5', '6' and '7', were staked prior to the test date. Two test locations, '8' and '9' were added in the field, their locations referenced to stakes for locations '5' and '7'. Tests were conducted at accessible locations at, or near to, the respective stakes.

All five test locations 'PASS', having soils that are satisfactory for wastewater treatment and disposal in conventional trenches. Locations of percolation tests that 'PASS' are used to define the sewage disposal area (SDA) proposed on the Percolation Certification Plan. The percolation test results and suitable area for wastewater discharge are certified by the Approving Authority's signature of the Percolation Certification Plan.

A portion of the property initially included within the area tested on September 19, 1974 is inappropriate for wastewater disposal due to quartzite rock outcrops. The outcrop area is 24 feet from stake '7', and 30 feet from stake '6'. A setback of 25 feet is required from the outcrop boundary to a trench or potential SDA.

The soil profile for test location '5' is also used for describing the soil profile relative to the profile in which the existing dry well which was installed in November 1976. The depth of the dry well is described as 12 feet, and a field measurement on February 21 confirmed that the dry well is 12 feet deep. The column of solution in the dry well on February 21 was about 5.7 feet deep (from the bottom). The description of the soil profile indicates that the layer between 8 feet and 10 feet from the soil surface is greater than 50 % rock fragments. In addition, the back hoe could not dig beyond 12 feet depth. The dry well is FAILED due to absence of a 4-foot buffer between the bottom of the dry well and rock. (See Field Worksheet enclosed with this letter.)

The septic tank installed in 1976 has a capacity of 1000 gallons, permissible for a 3-bedroom residence. The existing structure is reported to have 4 bedrooms. Therefore a septic system upgrade must include a BAT de-nitrification unit.

Summarizing, the existing septic system must be replaced and abandoned. The replacement system will consist of a BAT unit and trenches adequate to receive the estimated discharge from a 4-bedroom residence. The replacement septic system may be installed after the Percolation Certification Plan is signed by the Approving Authority and all permitting requirements are fulfilled.

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

Respectfully,

richen aul Robert Bricker, CPSS, REHS/RS, L.E.H.S.

× + 2

Environmental Sanitarian II Well and Septic Program

Enclosures: 1 Perc Test Application with 2 Field Worksheets

Copy: Ken Mauck file

GR 20505 406 - 200 44 Louis 331 100 100 8 men lot 23 E 1641 9 1.1 artimed . ST PATRICES CT MONDOSTA HOICATE NORTH UNNAMED 07 TERT - 1" OROP ------TEST NO. -DATE TOPHENCLAY 5 9-14-74 わえ 631 1036 luit USS FORD.W. 1031 1031 1036 5 TA 1021 036 1.31 5 TER TOPE 6000 Soil A ZUSUAL 12' 1040 1250 1840 10. 3 12' 1038 3A 4, 1038 3 1040 1040 1043 4 avoir 4A 123 1120 10 9-14.7 1115 1120 130 31 in 4' 1123 lisu 11/3 113 425 425 427 21) 4B 423 6 €, Certify all the REMARKS TYPE OF SOIL Kotis Lot 27 191H2 LSO PRESENT TESTED BY

February 14, 2014

Attention: Howard County Department of Environmental Heath " Perz Application Fee.

Dear Jeff Williams,

I am requesting the fee that was paid towards the 7506 Lairds Way project be applied to the 13072 St. Patrick's Court project. Thank you in advance for your help with this.

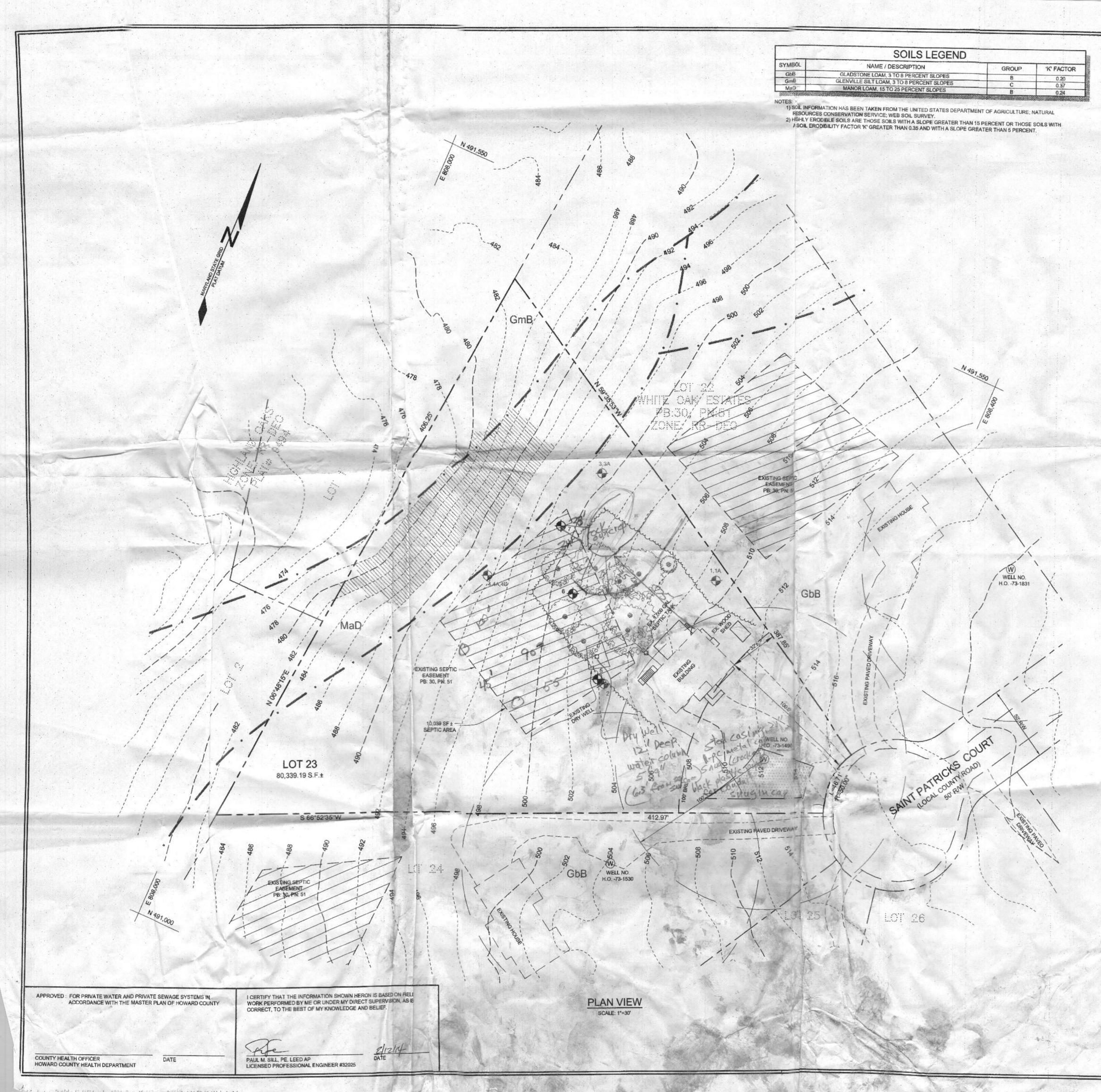
Best Regards,

Mance

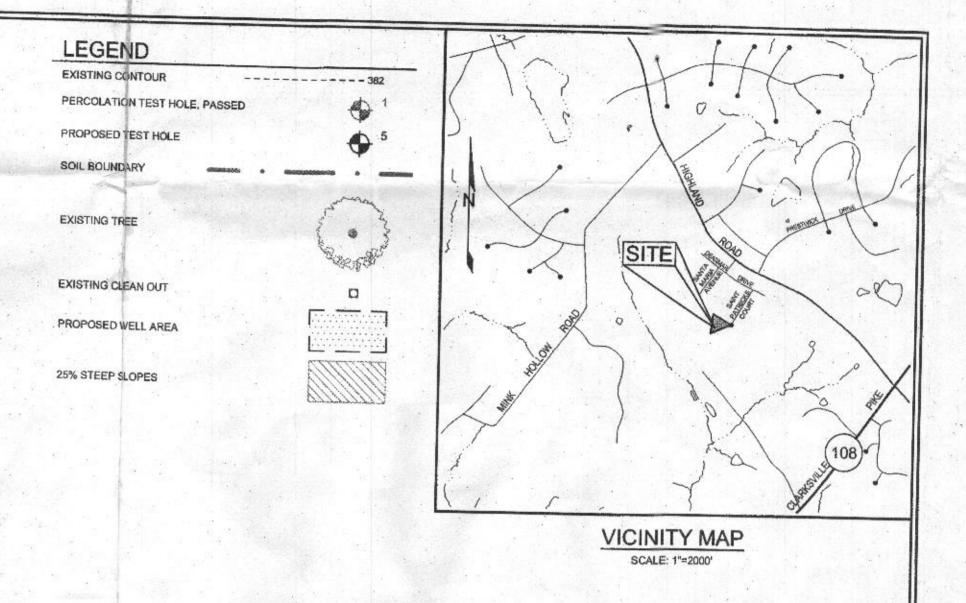
Ken Mauck

MAUCK CONSTRUCTION & RENOVATIONS LLC WWW.MAUCKBUILD.COM

Cc: Paul Sill



The first is in Protection in 1989 down a strain of the second segmentation of the second back and



GENERAL NOTES

- SUBJECT PROPERTY ZONED RR-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
 TOTAL AREA OF PROPERTY = 1.84 AC.±
 PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- 4. [ZZZ] THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). 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 SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE BOUNDARY SHOWN HEREON IS BASED ON A RECORD PLAT AND TAX MAP INFORMATION.
 THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHY FLOWN IN 2011.
- 8. PROPERTY ADDRESS: 13072 SAINT PATRICK COURT
- 9. REFERENCES: LIBER 4337, FOLIO 527; PLAT BOOK: 30, PLAT PAGE: 51 10. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS
- REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT. 11. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED. LOCATED WELLS WITHOUT A WELL TAG SHOWN DID NOT HAVE ONE.
- 6. THE EXISTING WELL SHOWN ON THIS PLAN (#73-1490) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- 7. THE PURPOSE OF THIS PLAN IS TO RECORD A PERCOLATION CERTIFICATION PLAN FOR THE EXISTING SEPTIC EASEMENT.

