

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 554574

AGENCY REVIEW: _____

DATE 8-8-14

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 UNKNOWN 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) SEAN & JEANNINE GRANTHAM

DAYTIME PHONE 443-654-1658 CELL 410-493-1005 FAX _____

MAILING ADDRESS 6727 GREEN MILL WAY COLUMBIA MD 21044
STREET CITY/TOWN STATE ZIP

APPLICANT SEAN & JEANNINE GRANTHAM

DAYTIME PHONE 443-654-1658 CELL 410-493-1005 HOME FAX 443-535-8592

MAILING ADDRESS 6727 GREEN MILL WAY COLUMBIA MD 21044
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME PAUL BAUMAN PROPERTY (FORMERLY) LOT NO. 2

PROPERTY ADDRESS 7374 GUILFORD RD CLARKSVILLE, MD 21029
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 0035 GRID 0022 PARCEL(S) 0318 PROPOSED LOT SIZE 2.9500 AC

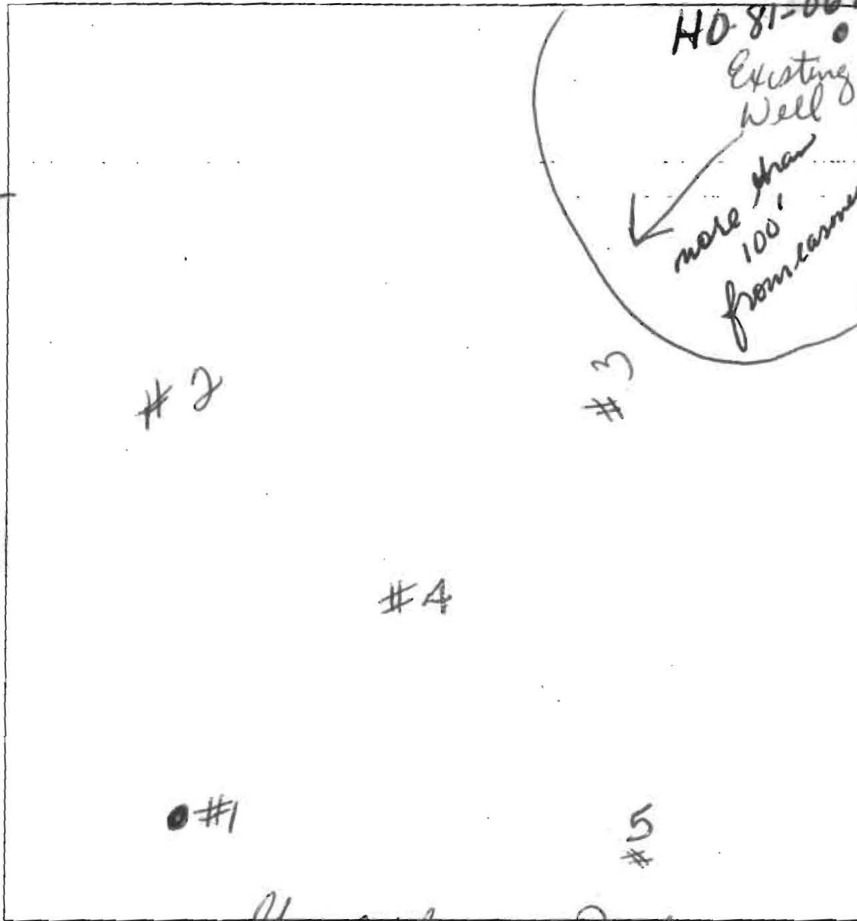
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

See E. Grantham
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

HO-81-0692



#1
Red Brown
Sh
5.5'
Red Brown
yellow
Sh
many
mud
10'
Red Brown
yellow
Loamy
Sand
14'

#2
Red Brown
yellow
Sh
3'
Red Brown
yellow
Sh
manganese
deposits
at 3-5'
many
mud
2.5 @ 12'
14'

#3
Red Brown
yellow
Sh
4'
Red Brown
yellow
Sh
many
mud
12'

#4
Red Brown
yellow
Sh
4'
Red Brown
yellow
many
mud
Sh
12'

#5
Red Brown
yellow
Sh
4'
Red Brown
yellow
Sh
7'
Red Brown
yellow
FS
12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10-9-14	#1	5.5/14	10:43	10:48	10:51	10 min	P
10-9-14	#2	4/14	11:25	11:34	11:40	6 min	P
10-9-14	#3	5/12	12:15	12:23	12:40	8 min	P
10-9-14	#4	12	Visual Pass				P
10-9-14	#5	12	Visual Pass				P

REMARKS Very Good Soils; Verified Previous Percolation
 SANITARIAN Behard, HO BACKHOE _____ OTHERS Her Masters Con. Testing
 TEST HOLES USED IN SDA 5 AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



Office of the Health Officer
8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-6300 | Fax: 410-313-6303
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

TO: Mr. and Mrs. Sean Grantham
6727 Green Mill Way
Columbia, Maryland 21044
Via E-mail: segrant@erols.com

FROM: Dana Bernard, REHS/L.E.H.S.
Well and Septic Program

RE: 7374 Guilford Road
Percolation Certification Testing

DATE: October 15, 2014

Percolation testing was conducted on the referenced property on October 9, 2014. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for 1 lot.

A total of five (5) test holes evaluated and five (5) were found to be satisfactory with moderate percolation rates. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation for the five (5) percolation test holes which were satisfactory. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

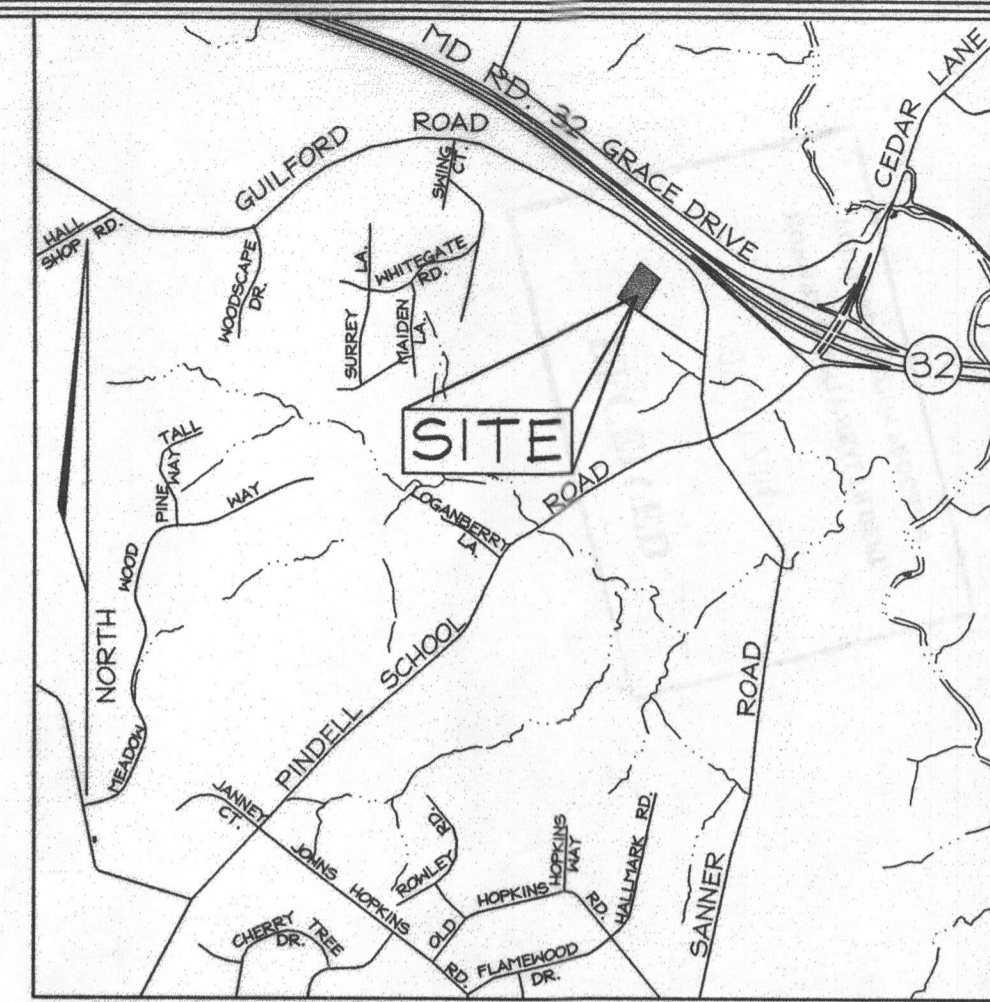
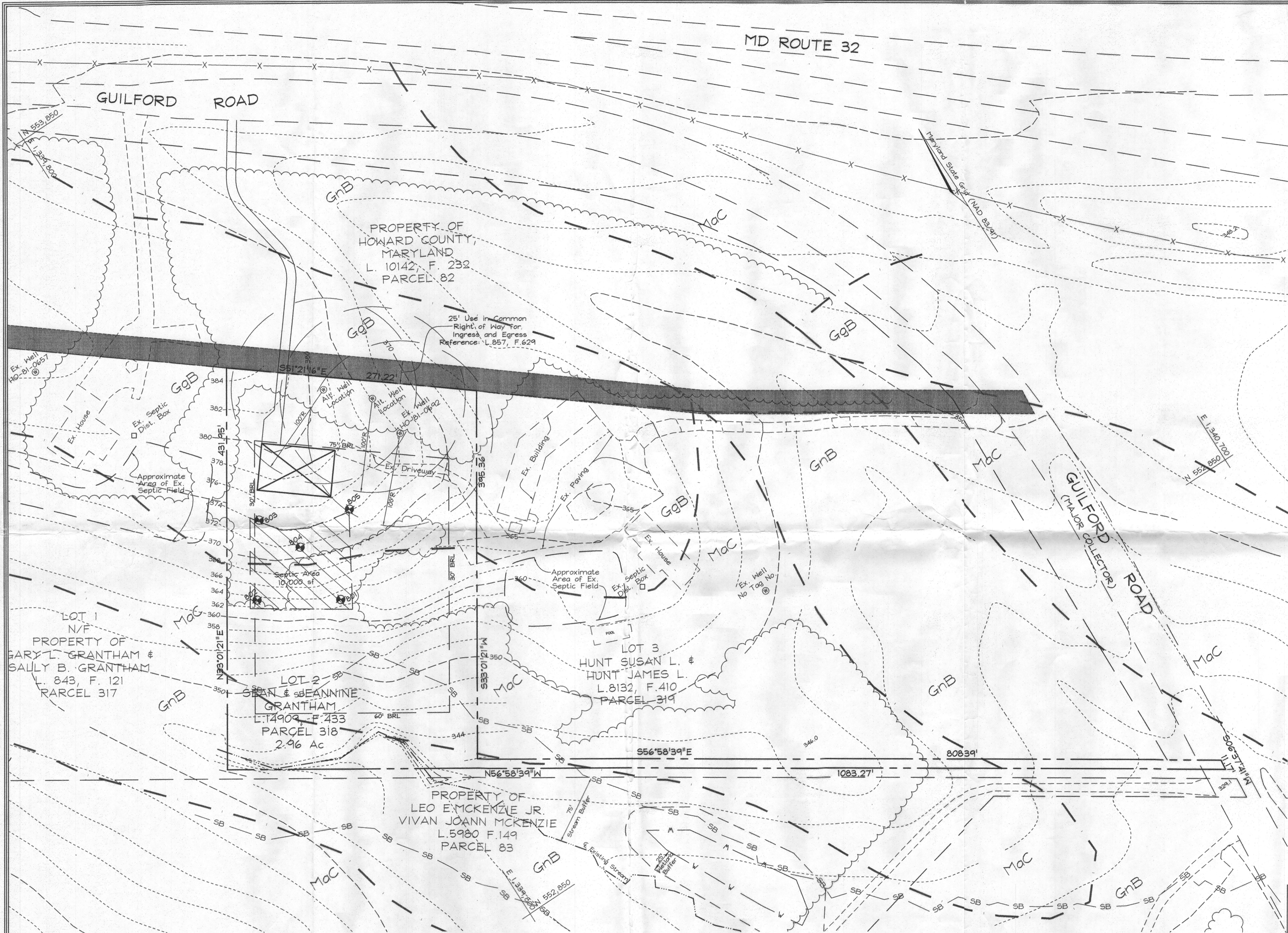
All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve area. Your plan must contain all of the surrounding properties including the septic and well areas. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Sincerely,

A handwritten signature in cursive script that reads 'Dana Bernard'.

Dana Bernard, REHS/RS
Environmental Specialist II
Phone (410) 313-2775
Fax (410) 313-2648
E-mail: DBernard@howardcountymd.gov



VICINITY MAP
SCALE: 1"=2000'

LEGEND

- Existing Contour: ---382---
- Existing Spot Elevation: 382.3
- Existing Trees to Remain: [Tree symbol]
- Existing Stream Buffer: SB SB
- Proposed Septic Easement (10,000sf minimum): [Hatched box]
- 15% or greater slopes: [Dark gray box]
- 25% or greater slopes: [Cross-hatched box]
- Proposed House: [House symbol]
- Perc Test - Passed: [Circle with cross]
- Perc Test - Failed: [Circle with dot]
- Denotes Well Location: [Circle with 'W']

- GENERAL NOTES**
- Subject property zoned RR-DEO per 10/06/13 Comprehensive Zoning Plan.
 - Total area of property = 2.96 Ac.±
 - Private well and septic will be used within this site.
 - This area designates a private sewage easement of at least 10,000 square feet (or 10,000 square feet per lot for shared drain fields associated with a shared sewage disposal facility) 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 sewage is available. These easements shall become null and void upon connection to a public sewage 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.
 - 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.
 - Howard County Soil Map #35.
 - The proposed septic field shown is located on soil types GgB and Mac.
 - Topography and Boundary is based on a field run survey prepared by C.B. Miller and Associates, Inc. in November 2003.
 - The lots shown herein comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.
 - Previous Owners:
 - Paul I. Bauman, et al L. 295, F. 376 9/24/1956
 - Hugh F. Cole L. 714, F. 592 2/29/1975
 - Paul I. Bauman & Sidney N. Greenspan L. 714, F. 589 2/29/1975
 - Hillis S. Young & Margaret L. Young L. 836, F. 592 7/6/1977
 - Pamela M. Tiede & Jerry P. Tiede L. 1196, F. 595 10/10/83
 - Address of Property: 7374 Guilford Road, Clarksville, MD 21029
 - Reference: liber 14909, folio 433
 - All Perc test points have been field located by FSH Associates on 10-27-14.
 - Any changes to private sewage disposal areas require a revised percolation certification plan.
 - An advanced pre-treatment system which utilizes Best Available Technology to perform nitrogen reduction shall be located on the septic system for this parcel. A supplemental plan with all necessary details for installation of the system shall be required prior to release of building permits and septic system installation permits.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Wendy Moore-Rossman 11/9/2014
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
GgB	Glenelg loam, 3 to 8 percent slopes	B
GnB	Glenville-Balle silt loams, 0 to 8 percent slopes	C
Mac	Manor loam, 8 to 15 percent slopes	B

PERC LIST

HOLE #	ELEVATION
801	363.44
802	364.13
803	374.39
804	372.09
805	375.07

"I CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF."

Zacharia Yosef Fisich
ZACHARIA YOSEF FISICH, P.E. #22418
FSH ASSOCIATES

11/3/14
DATE

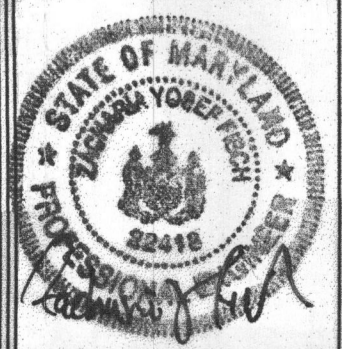


OWNER/DEVELOPER
Mr. & Mrs. Sean Grantham
6727 Green Hill Way
Columbia, MD 21044
Phone: 443-535-8592

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. #22418, Expiration Date: 07/29/2015.

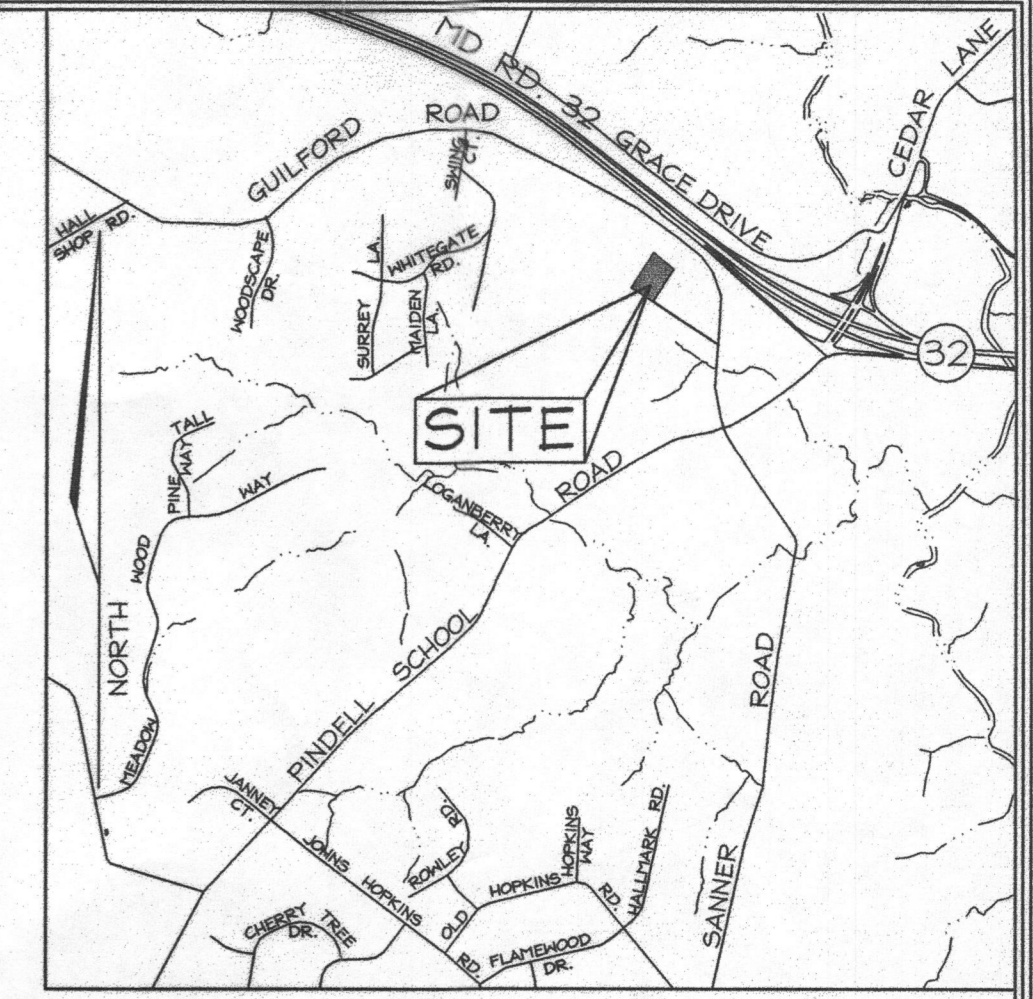
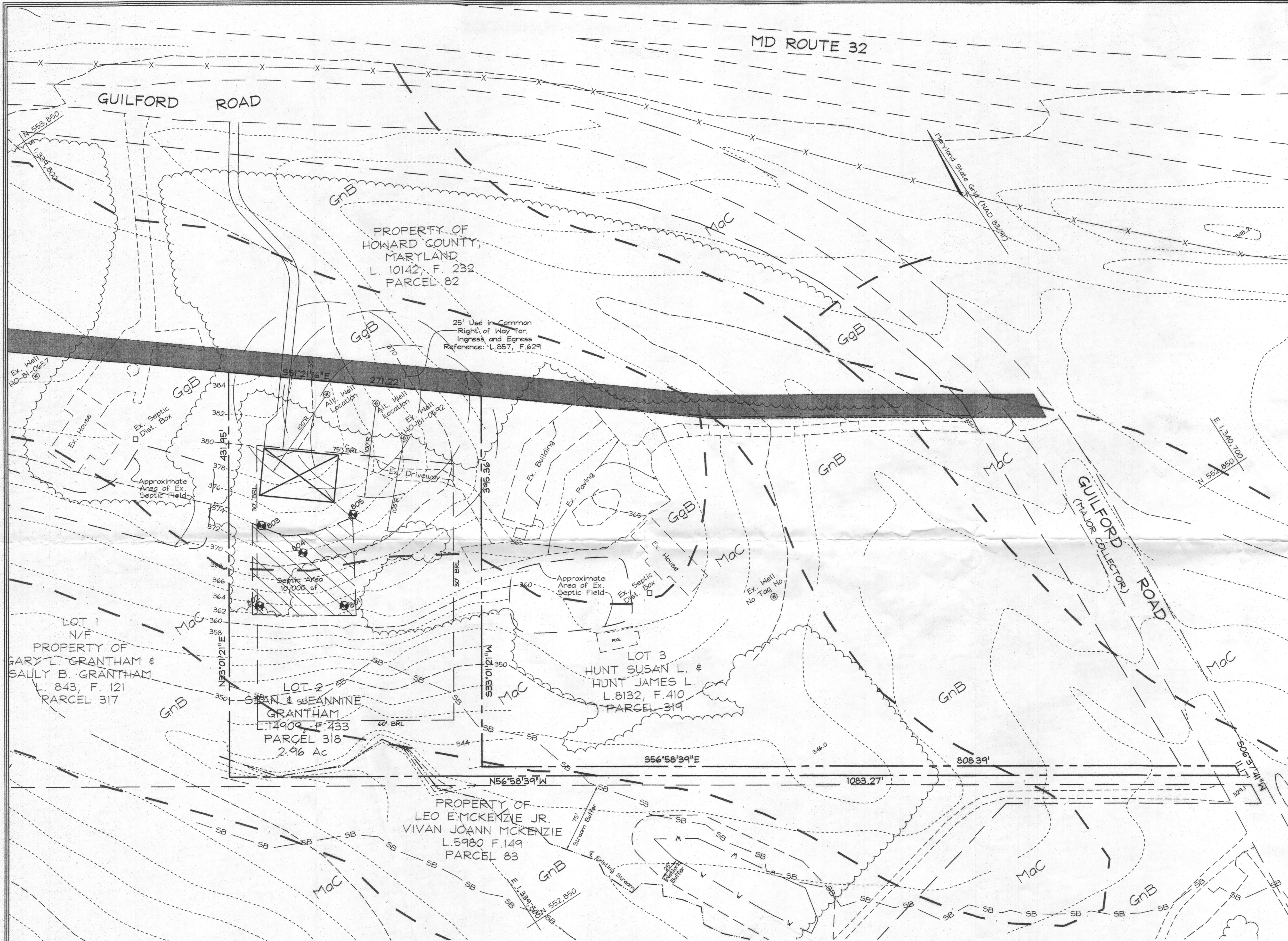
PERCOLATION CERTIFICATION PLAN
GRANTHAM PROPERTY
7374 Guilford Road

TAX MAP 35, GRID 22 PARCEL 318
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



FSH Associates
Engineers Planners Surveyors
8318 Forest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: INFO@FSHA.biz

DESIGN BY: FSH
DRAWN BY: CRH2
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Nov. 3, 2014
W.O. No.: 3931
SHEET No. 1 OF 1



LEGEND
SCALE: 1:2000'

Existing Contour	- - - - -
Existing Spot Elevation	382.3
Existing Trees to Remain	
Existing Stream Buffer	SB - SB
Proposed Septic Easement (10,000sf minimum)	
15% or greater slopes	
25% or greater slopes	
Proposed House	
Perc Test - Passed	
Perc Test - Failed	
Denotes: Well Location	

- GENERAL NOTES**
- Subject property zoned RR-DEO per 10/06/13 Comprehensive Zoning Plan.
 - Total area of property = 2.96 Ac.±
 - Private well and septic will be used within this site.
 - This area designates a private sewage easement of at least 10,000 square feet (see 10,000 square feet per lot for shared drain fields associated with a shared sewage disposal facility) 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 sewage is available. These easements shall become null and void upon connection to a public sewage 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.
 - 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.
 - Howard County Soil Map #35.
 - The proposed septic field shown is located on soil types GnB and Mac.
 - Topography and Boundary is based on a field run survey prepared by C.B. Miller and Associates, Inc. in November 2003.
 - The lots shown herein comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.
 - Previous Owners:
 - Paul I. Bauman, et al
298, F. 376
2/24/1956
 - Hugh F. Cole
714, F. 592
2/26/1975
 - Paul I. Bauman & Sidney N. Greenspan
714, F. 599
2/26/1975
 - Willis S. Young & Margaret L. Young
836, F. 592
7/6/1977
 - Pamela M. Tiede & Jerry P. Tiede
1198, F. 595
10/10/83
 - Address of Property:
7374 Guilford Road
Clarksville, MD 21029
 - Reference: Liber 14909, folio 433
 - All Perc test points have been field located by FSH Associates on 10-27-14.
 - Any changes to private sewage disposal areas require a revised percolation certification plan.
 - An advanced pre-treatment system which utilizes Best Available Technology to perform nitrogen reduction shall be located on the septic system for this parcel. A supplemental plan with all necessary details for installation of the system will be required prior to release of building permits and septic system installation permits.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Maura Roseman 11/9/2014
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
GnB	Glennville loam, 3 to 8 percent slopes	B
GnB	Glennville-Balle silt loams, 0 to 5 percent slopes	C
Mac	Planor loam, 8 to 15 percent slopes	B

PERC LIST

HOLE #	ELEVATION
801	363.44
802	364.13
803	374.39
804	372.09
805	375.07

"I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF."

Zacharia Yosef Fisch
ZACHARIA YOSEF FISCH, P.E. #22418
FSH ASSOCIATES

11/3/14
DATE



OWNER/DEVELOPER
Mr. & Mrs. Sean Grantham
6727 Green Mill Way
Columbia, MD 21044
Phone: 410-535-8592

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. #22418, Expiration Date: 07/24/2015.

PERCOLATION CERTIFICATION PLAN
GRANTHAM PROPERTY
7374 Guilford Road

TAX MAP 35, GRID 22 PARCEL 318
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
8318 Forest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: INFO@FSHA.biz

DESIGN BY: FSH
DRAWN BY: CRH2
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Nov. 3, 2014
W.O. No.: 3931
SHEET No. 1 OF 1