



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 53589

AGENCY REVIEW: _____

DATE 11/6/09

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 4-5 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) GREENFIELD HOMES INC & ROBERT NAECKER

DAYTIME PHONE 410-365-3702 CELL 410-365-3702 FAX 410-988-2453

MAILING ADDRESS 6656 LUSTER DR. HIGHLAND MD 20777
STREET CITY/TOWN STATE ZIP

APPLICANT GREENFIELD HOMES INC - RICK MIDOR

DAYTIME PHONE 410-365-3702 CELL 410-365-3702 FAX 410-988-2453

MAILING ADDRESS 6656 LUSTER DR. HIGHLAND MD 20777
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME WILLOW POND LOT NO. 2

PROPERTY ADDRESS 12740 CLARKSVILLE PIKE CLARKSVILLE
12740 STREET TOWN/POST OFFICE

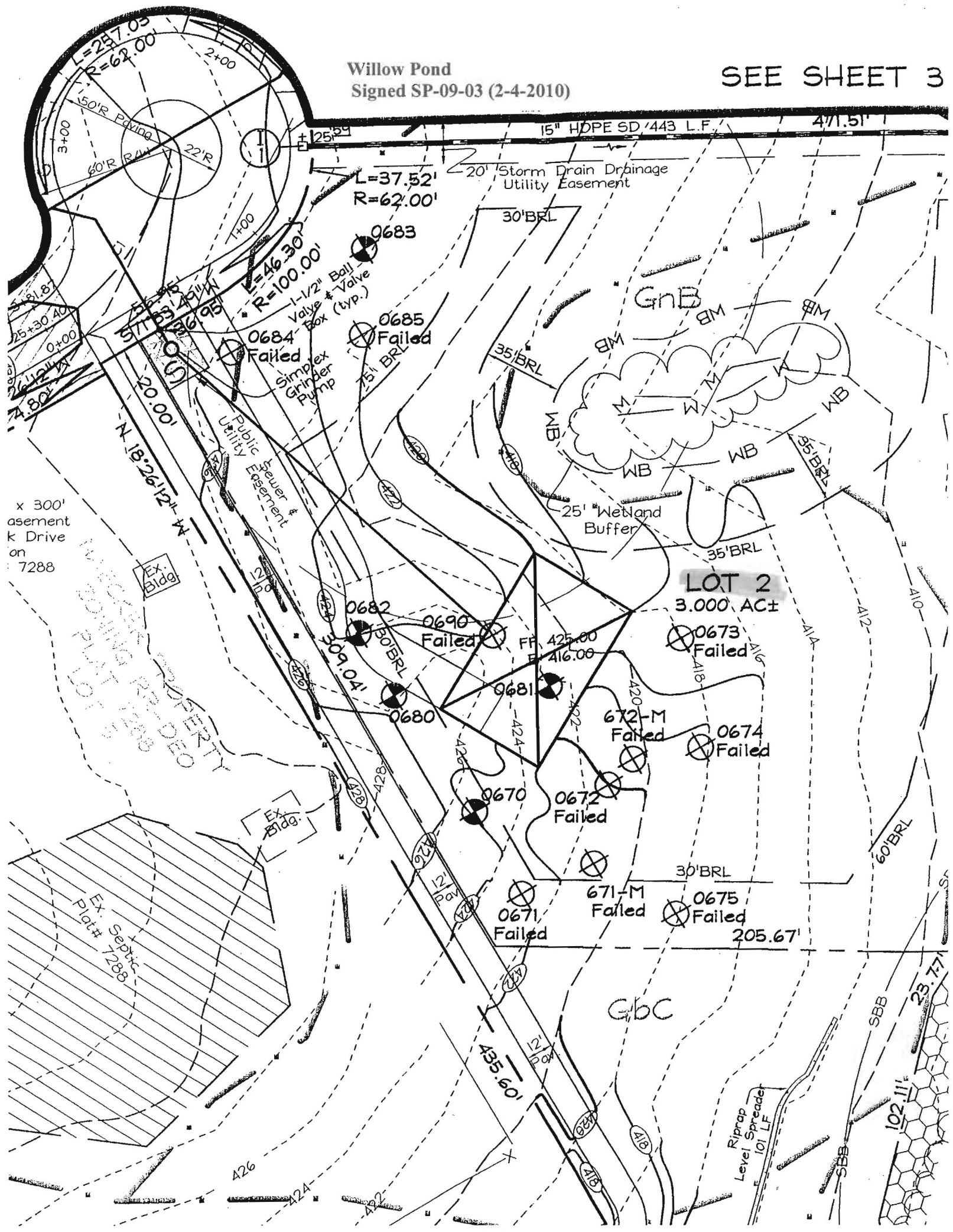
AX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



MOUND TEST DATA SHEETS

Property I.D. Willow Pond Lot # 2 Date 11/18/2009

Sanitarian HS/RB Landscape Position Side Slope

% Slope 4 Soil Type GnB Contractor _____

HOLE # 671-M DEPTH OF TEST 15" START TIME 1:20

brn loam sbk
red brn
cl
lcsbk
15% coarse
brn sil chert
many mica
2msbk

brn sl
micaceous

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 16/16	10	1/16		
10 15/16	10	2/16		
10 13/16	10	2/16		
10 11/16	10	2/16		
10 9/16	10	2/16		
10 7/16	10	2/16		
10 5/16				

end test
@ 2:20pm

FAIL equilibrate
1:22pm

41

HOLE # 672-M DEPTH OF TEST 13" START TIME 1:43

dk grey loam
2sg
4"
brown loam
few mica 2fsbk
10"
yel-red grscl.
few stones
common mica
slightly sticky
2fsbk
23"
brown sl
many mica
30"
↓

Hook Gauge Reading	Elapsed Time (min)	Measured Drop	Estimated Rate	% Change
10 16/16	Begin	—		
10 13/16	10	3/16		
10 10/16	10	3/16		
10 7/16	10	3/16		
10 5/16	10	2/16		
10 2/16	10	3/16		
10 -	10	2/16		
9 9/16	30	7/16		
9 4/16	30	5/16		

3:43 END TEST

FAIL

Begin equilibration 1:30

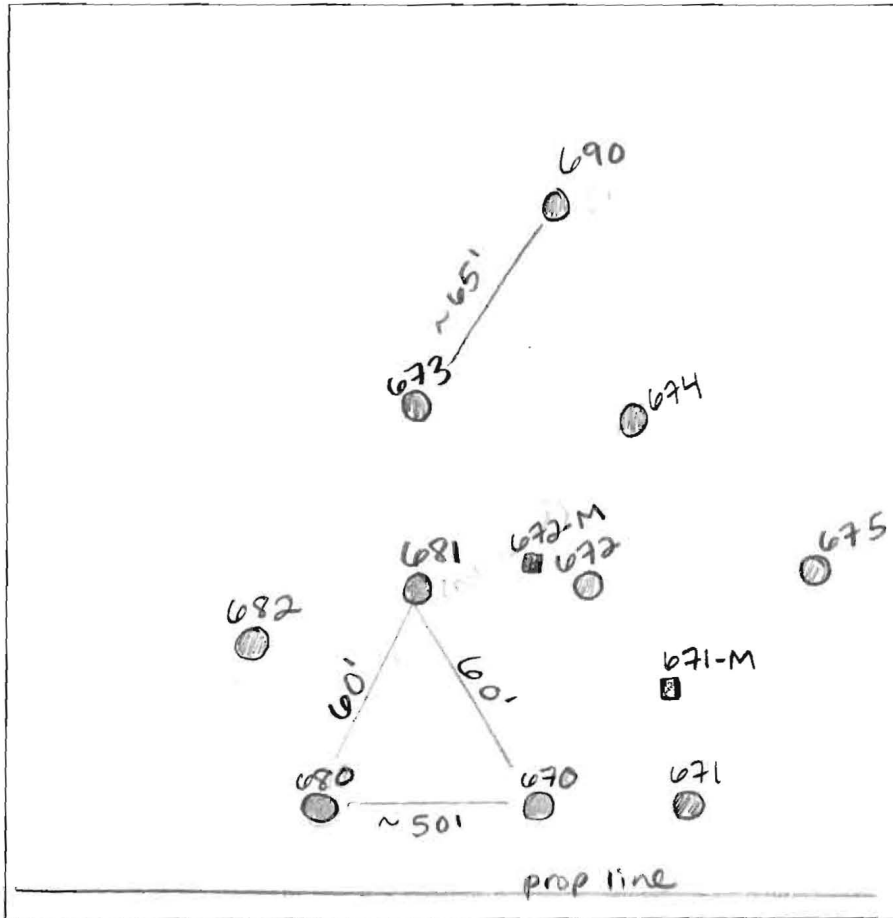
AVP

680
6" brn l sbk
org cl dense lcsbk
3' brn sl micaceous saprolite
6' brn fsl micaceous 15% chert w/ Fe deposits @ 10.5' bottom

681
6" brn l
brn sel few mica 2csbk
3.7' brn micaceous sl
7' brn fsl
8.5' yellow coarse ls
11' 15% quartz

682
8" brn lsbk
brn sel 1msbk few mica
3.5' brn sl many mica & saprolite
5' brn fsl 20% chert
3.5' brn sl saprolite

1.5' moist wear, Mn @ 10' platy



670
dk brn
org brn 2msbk scl
2.8'
yellowish brn sl micaceous saprolite
6'
yellow brn fsl
8.5'
brn fsl micaceous Mn dep. @ 9' 10% stones
11'

671
brn sticky l
4"
yellow brn scl
3.5'
yellow brn sl many mica
7'
brn sl micaceous Mn @ 8.5' sleep @ 8.5'
9' moist, mottles & H2O @ 10.8'

675
brn lsbk
6"
brn cl lcsbk
4'
yellow brn sl micaceous
8'
grayish brn sl
9'
gray sl micaceous slightly moist saprolite w/ Mn+Fe seeps @ 9.2' H2O @ 11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11-18-09	680	4.5' / 11.5'	11:22	11:24 ²⁷	11:26 ³⁹	2	P
	681	4.8' / 11'	11:50	11:53	11:59	6	P
	682	10.5'	VISUAL				P
	670	3.8' / 11'	9:35	9:40	9:49	9	P
	671	5' / 11'	10:00	no movement			F
	675	5' / 11.5'	10:02	no movement & H2O			F
	672	5' / 11'	10:20	"	"		F
	674	9'	VISUAL				F
	673	5' / 11'	10:47	SLOW			F

REMARKS 680, 681, 682, 690 not staked 672-M & 671-M sand mound sites
 SANITARIAN HS/IRB BACKHOE Greg OTHERS Rick minor
 TEST HOLES USED IN SDA 4 AVG. PERC TIME 5.6 SQ. FT/BR
 TRENCH WIDTH 3 INLET DEPTH 3 MAX. BOT DEPTH 6 EFFECTIVE SW 1.5'-2'

AVP _____

5" 672
 brn e
 yellow/ org
 brn scl
 dense

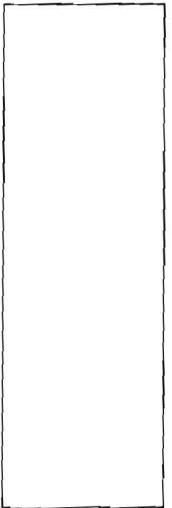
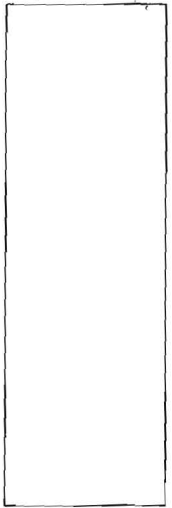
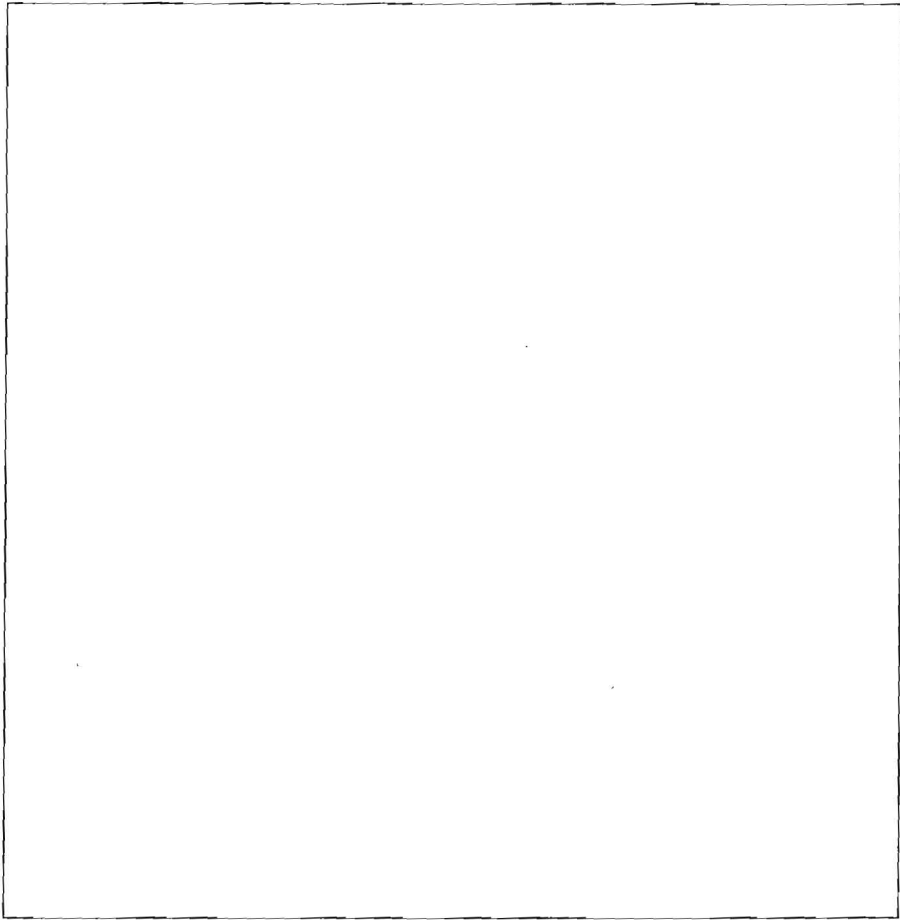
3.5' brn se
 micaceous
 saponite
 ↓
 8' brn fsl
 15% chert
 ↓
 brn ls
 H₂O @ 11'

1' 674
 brn e
 org/ yellow
 brn cl
 1/2 sbk dense

2' massive
 gray
 mottles
 Fe dep.
 sticky,
 wet
 ↓
 9'

4" 673
 brn e
 ↓
 many gray
 fine
 mottles
 Fe & Fe
 deposits
 cl

7' micaceous
 se
 Mn dep.
 @ 9' H₂O @ 11'
 Sep @ 9.5'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
11-18-09	690	6'	VISUAL				F

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____