Howard County Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATIC

TEST DA E(S) _____ TEST TIME _____ A/P 530249

AGENCY REVIEW: _____ DATE 11/25/08

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 + RELOCATE

CHECK ONE:
- ☐ CREATE NEW LOT(S)
- ☐ BUILD ON AN EXISTING LOT IN A SUBDIVISION
- ☐ BUILD ON AN EXISTING PARCEL OF RECORD

CHECK AS NEEDED:
- ☐ NEW STRUCTURE(S)
- ☐ ADDITION TO AN EXISTING STRUCTURE
- ☐ REPLACE AN EXISTING STRUCTURE

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?
- ☐ YES
- ☐ NO

THE TYPE OF STRUCTURE IS:
- ☐ RESIDENTIAL WITH _____ 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) Dar Al Taqwa Inc.

DAYTIME PHONE (410) 531-2235 CELL — FAX —

MAILING ADDRESS 10740 Route 108 (STREET) Ellicott City (CITY/TOWN) MD (STATE) 21042 (ZIP)

APPLICANT Brian F. Cleary

DAYTIME PHONE (410) 465-6105 CELL — FAX (410) 465-6644

MAILING ADDRESS 8480 Baltimore National Pike Suite 413 (STREET) Ellicott City (CITY/TOWN) MD (STATE) 21043 (ZIP)

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME Dar Al Taqwa LOT NO. _____

PROPERTY ADDRESS 10740 Route 108 (STREET) Ellicott City, MD 21042 (TOWN/POST OFFICE)

TAX MAP PAGE(S) 29 GRID 11 PARCEL(S) 12 PROPOSED LOT SIZE _____

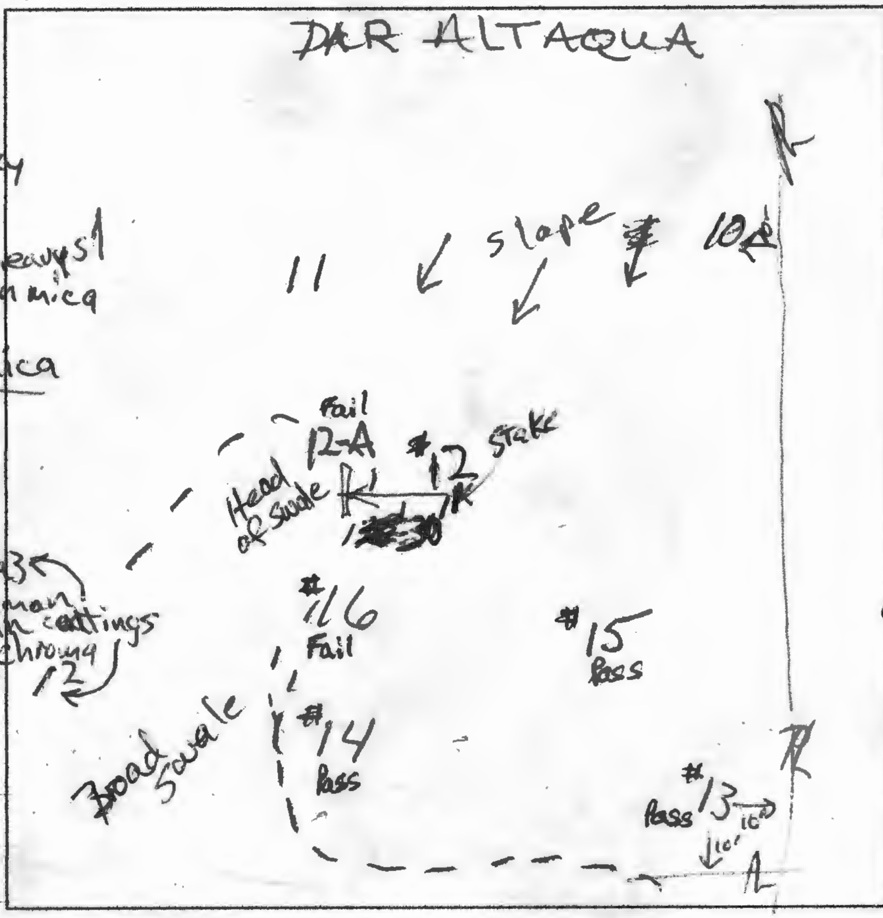
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. 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) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

PLEASE SUBMIT ORIGINALS ONLY (BY MAIL OR IN PERSON)

A/P: ____________



14

Depth	Soil
	blk loam slightly sticky
0.5	brn clay
2	brn scl to heavy sl, common mica
4.8	brn sl, many fine mica
5.9	yel red & lt. brn sl, many mica
10	yel-red sl, m1d chroma 3
12	yel brn, common Mn coatings, c1d & c2d chroma 2
12.5	

15

Depth	Soil
	blk loam
0.4	brn clay
2.5	brn gr scl
3.5	red & brn scl
5	red & lt brn sl, Øm (Not good for sidewall)
6.5	lt brn sl, many mica
9	lt. grey & lt. brn fsl, many mica
14	

13

Depth	Soil
	blk loam
0.4	brn cl
3	brn scl, c2d chroma 2
5	brn fsl, 2 opl
5.5	brn sl, micaceous
9	brn lfs, micaceous
12	

12A

Depth	Soil
	blk loam
0.4	brn clay
2	brn cl
4.2	pale yellow st sl, few boulders
5.5	pale yellow sl, dense, 2.5Y 7/3
7	pale yellow sl 2.5Y 7/2
13	

16

Depth	Soil
	blk loam
0.3	brn cl, brn scl
3	brn scl, dense, 1 fpl clayskins
5	yel-red cl, c3d & c1d chroma 2
7	yel-red fsl, blocky, brittle, dense
10	pale brn sl
12	

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/8/09	14	5.3' / 12'	11:12	11:26	11:53	27	P
1/8/09	15	8' / 14'	0	1.5	4	2.5	P
1/8/09	13	6.5' / 12'	0	1.5	4.5	3	P
1/8/09	16	8' / —	2:12	2:36+	no movement →		F
1/8/09	12A	7.4' / —	3:14	3:44+	no movement →		F

REMARKS #13 & 14, Trench bottom at 8, Sidewall 6 to 8; ~~[illegible]~~ #15 eff. s/w OK 6.5 to 8, 12

SANITARIAN RB BACKHOE Bob Noll OTHERS Steve

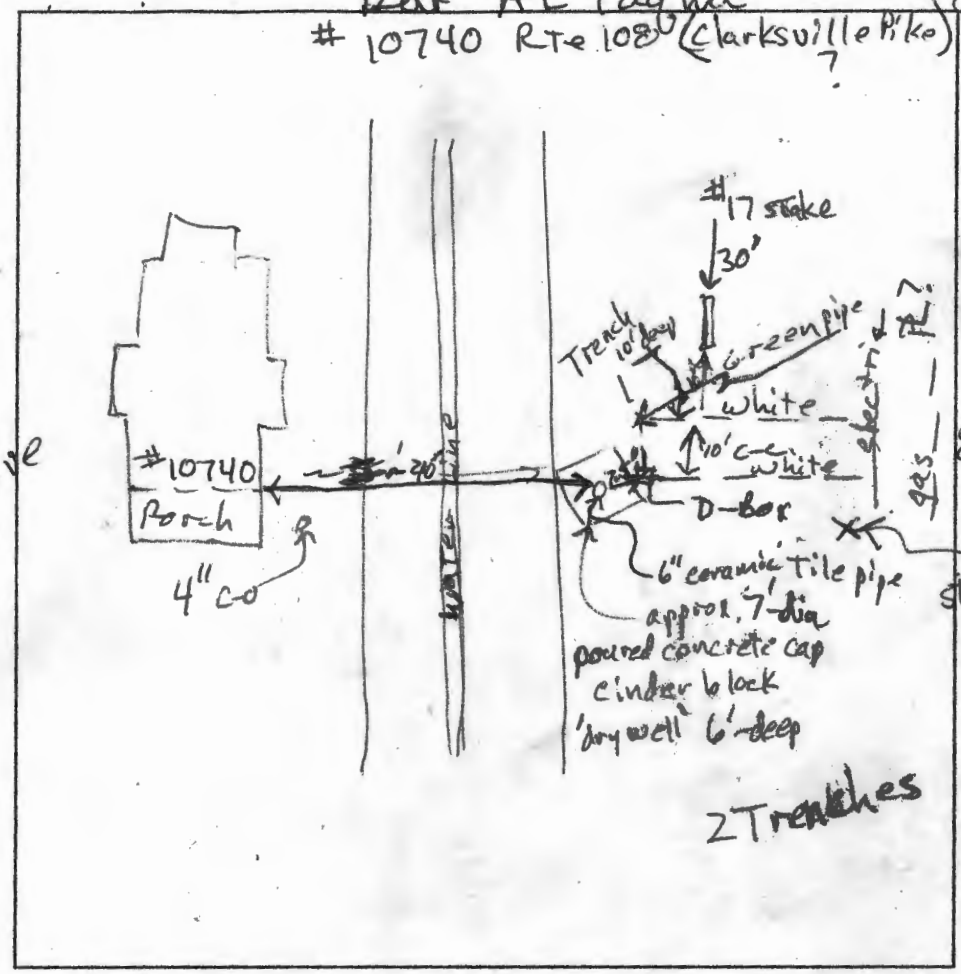
TEST HOLES USED IN SDA ____________ AVG. PERC TIME ______ SQ. FT/BR ______

TRENCH WIDTH ______ INLET DEPTH ______ MAX. BOT DEPTH ______ EFFECTIVE S/W ______

A/P _____

Dar Al Taqwa

10740 Rte 108 (Clarksville Pike)



2 Trenches

#17 offset 30'

0.3' dk brn loam

1.5' brn cl

red-brn cl

yel-red scl communica

4.5' dk grey-brn saprolite many fine mica some pale red

8.5' dk brn & pale yel. sl micaceous

13' dk brn sl blocky few Mn concentrations

14'

2 Trenches have clean gravel Schedule 40 PVC drain pipe 2 ft wide 10 ft deep Inlet 3', and 4' 5'-5.5' Effective Sidewall

est. 1.2 gpd/SF

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/13/09	17 offset	14'	Visual		est. 1.2 gpd/SF 4.5' or 5' to 13'		P

REMARKS Observed soil profile at Repair installed

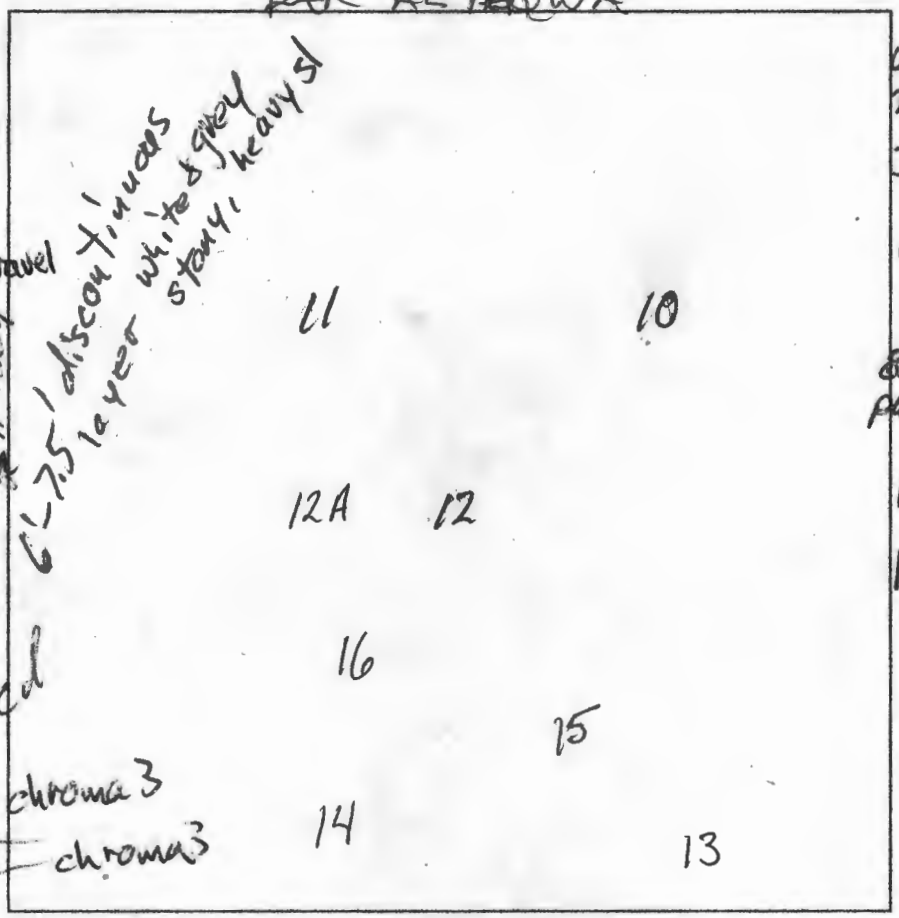
SANITARIAN RB BACKHOE Bob Noll OTHERS Brian Cleary

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

PAR ALTOONA

A/P



(12)

0.5'	dk grey loam
2.5'	brn clay a bk, some gravel
5.5'	yel-brn dense scl 1 f pl ss, m p
7.5'	brn & red gr scl ss
	pale yel-red loamy sl c 1 d chroma 3 ss
10.5'	grey & pale brn micaceous sl chroma 3
13'	

(11)

0.6'	dk grey loam
3'	brn cl ss, s bk
6'	brn heavy sl 2 f pl c 2 d chroma 2
9'	2.5Y 5/2 grey sl micaceous
11'+	grey heavy sl c 1 p red — 7.5 YR 6/8 c 2 d red-brn

(10)

0.5'	dk grey loam
2.0'	brn cl, s bk
3.5'	brn sci, 1 f pl
6'	brn & red-brn by scl
7'	yel-red dense gr sl
8.5'	yel-red & pale brn sl
pale yel-red	white & dk grey sl, m 1 p yel-red
13'	white & lt. grey ls
13.5'	

#22

	brn loam
2.5'	brn cl, s bk
3.5'	yel-brn scl common Mn coatings few coarse Mn concentrations
4.5'	yel-brn sci
6'	grey sil micaceous f 3 d pale red sl
11'+	red-yellow sl C 2 & 3 d pale yellow loam red-yellow f ls l many Mn coatings on rock surfaces
13'	

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/9/09	12	8.2/-	11:55	12:31+	<1" →		F
1/9/09	10	7.5'/13'	12:52	1:22+	<1" →		F
1/9/09	10	9'/13'	1:31	1:37	1:53	16	#
1/9/09	6'-11'	Visual;	internal drainage impeded at W.T.				F
				Head of swale			
1/13/09	22	6.5'/11'	2:21	2:50	2:20+	>30	F

REMARKS # 10; Trench Bottom 9', no Sidewall

SANITARIAN RB BACKHOE Bob Noll OTHERS

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

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE S/W

HP Color LaserJet 2840

HP LASERJET FAX

Jan-20-2009 11:56AM

Fax Call Report

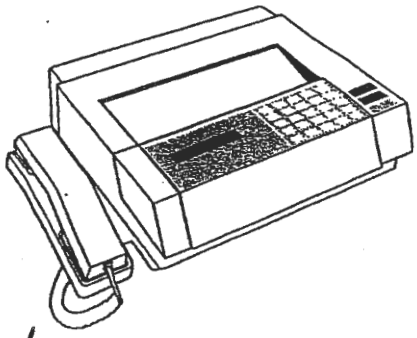
Job	Date	Time	Type	Identification	Duration	Pages	Result
4287	1/20/2009	11:47:22AM	Send	914104656644	9:09	15	OK

Howard County Health Department

Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

F A X



Date 1/20/2009

To Brian Cleary

Department Benchmark Eng. Inc.

FAX # 410 465 6644

From Robert Bricker

Telephone 410-313-2691 FAX (410) 313-2648

# of Pages 15 (including cover page)

Comments Dar Al Taqwa (1)pg report, (3)pages 2009 results
(3)pgs Nov 2000 PercCert, (2)pgs Jul 2000 results
(3)pgs 2005 installation (1)pg Soil and Topo output HoCo GIS
(2)pgs 1992 Repair

Howard County Health Department

Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
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website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

January 20, 2009

Brian Cleary
Benchmark Engineering, Fax 410-465-6644

RE: PERCOLATION TEST RESULTS, Dar Al Taqwa, 10749 Clarksville Pike, **A-530249**

Dear Mr. Cleary,

Percolation testing was conducted on the subject property on January 8, 9 and 13, 2009. The purpose for conducting these tests was to identify area(s) for septic easement(s) to serve new construction as well as support existing conditions on the subject property. Percolation Test Results indicate soils' conditions in the areas tested are both satisfactory and unsatisfactory for onsite wastewater disposal. Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. Values for Recommended Inlet and Trench Bottom depths, and Usable (Effective) Sidewall are all based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. The values for the listed parameters will be interpreted and maintained in Health Department records for the subject property.

Soils' characteristics and percolation times at test locations 13, 14, 15, and 17 are satisfactory. Locations 13 and 15 have deep, moderately permeable subsoil with no indication of internal drainage or water table to 12 and 14 feet deep, respectively. Location 14 has an apparent seasonal water table at 10 feet to 12 feet depth, and at location 17 there are few, thin manganese coatings between 13 feet and 14 feet. The seasonal water table level should be proven at #14.

At location 10, there are indicators of impeded drainage or seasonal water table below 8.5 feet. The subsoil is only very slowly permeable to at least 8.5 feet depth, and has moderately slow permeability at 9 feet deep. Together these characteristics indicate that a wet-season observation of water table level is needed prior to approval of test location 10.

Unsatisfactory soils occur at test locations 12, **12-A**, 11, 16, and **22**. These locations are all immediately adjacent to (or within) the headland of a broad, natural drain. All but locations 11 and 22 have a dense, sandy clay loam layer with platy structure, and very slow permeability that is typical of soils occurring in and near local drains throughout the county. Locations 11 and 22 lack the dense, platy subsoils, however, each have grey subsoils indicating that saturation may occur at 6 feet and 11 feet respectively for extended periods.

Any additional testing at the east end of the subject property must be conducted during a wet-season test period declared by the Howard County Health Officer. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by calling (410) 313-2691.

Respectfully,

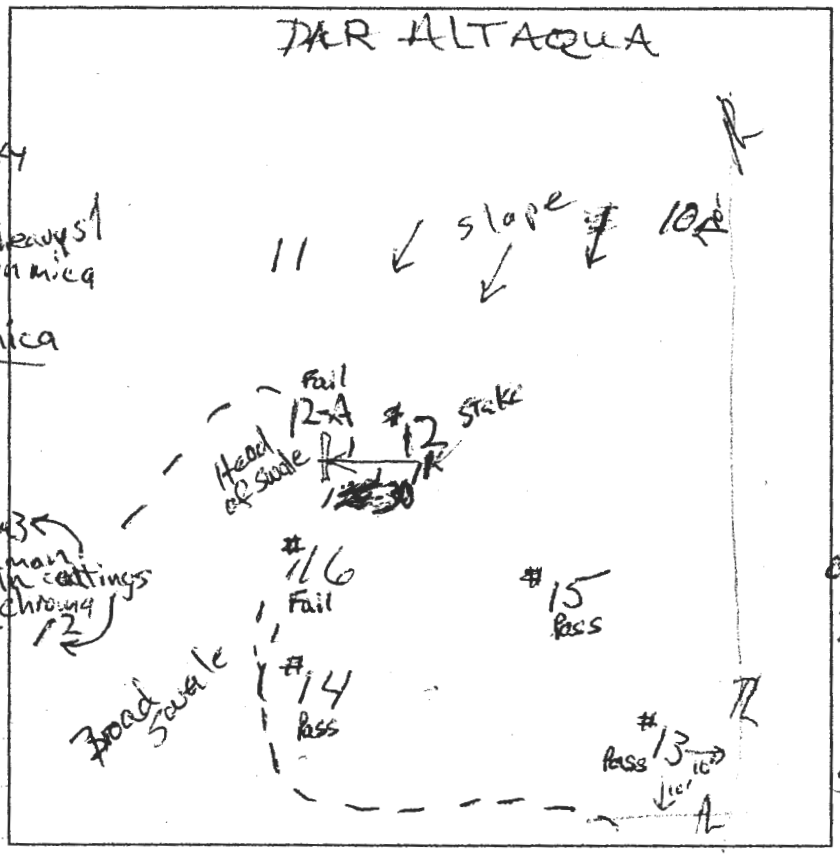
Robert C. Bricker, R.S., CPSS
Well and Septic Program
Development Coordination Section

Enclosures

Copy: File

A/P _____

DAR ALTAQUA



14

- 0.5' blk loam slightly sticky
- 2' brn clay
- 4.8' brn scl to heavy sl common mica
- 5.9' brn sl many fine mica
- 10' yel-red sl mod chroma 3
- 12' yel brn common Mn cuttings e1d & c2d chroma 4 /2
- 12.5'

15

- 0.4' blk loam
- 2.5' brn clay
- 3.5' brn gr scl
- 5' red & brn scl
- 6.5' red & lt brn sl, gravelly
- 9' lt brn sl many mica
- 14' lt. grey & lt. brn fsl many mica

13

- 0.4' blk loam
- 3' brn cl
- 5' brn scl c2d chroma 2
- 5.5' brn fsl 2 cpl
- 9' brn sl micaceous
- 12' brn ls micaceous

12-A

- 0.4' blk loam
- 2' brn clay
- 4.2' brn cl pale yellow
- 5.5' stsl few boulders pale yellow sl, dense 2.5Y 7/3
- 7' pale yellow sl 2.5Y 7/2
- 13'

16

- 0.3' blk loam brn cl brn scl
- 3' brn scl dense 1 cpl clayskins
- 5' yel-red scl c3d & c1d chroma 2
- 7' yel-red fs/ blocky, brittle dense
- 10' pale brn sl
- 12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/8/09	14	5.3'/12'	11:12	11:26	11:53	27	P
1/8/09	15	8'/14'	0	1.5	4	2.5	P
1/8/09	13	6.5'/12'	0	1.5	4.5	3	P
1/8/09	16	8'/—	2:12	2:36+	no movement →		F
1/8/09	12A	7.4'/—	3:14	3:44+	no movement →		F

REMARKS #13 & 14, Trench bottom at 8, Sidewall 6'8" OK; ~~#15~~ ~~CC.S/a~~ OK 6.5 roo

SANITARIAN TB BACKHOE Bob Nell OTHERS Steve

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

PAR ALTOONA

A/P ____________

(12)
0.5' dkgrey loam
2.5' brn clay abk, few gravel
5.5' yel-brn densescl ss, 1f pl fgm
7.5' brn & red grscl ss

Common m/d 1 discontinuous 6"-7.5' layer white & grey stony heavy sl

7.5' pale yel-red loamy sl ss
c1d chroma 3
10.5' grey & palebrn micaceous sl — chroma 3
13'

(11)
0.6' dkgrey loam
3' brn cl ss, sbk
6' brn heavysl 2f pl c2d chroma 2
9' 2.5Y 5/2 grey sl micaceous
11' 2.5Y 6/2 grey heavy sl c1p red — 7.5 YR 6/8 c2d red-brn

(10)
0.5' dkgrey loam
2.0' brn cl, sbk
3.5' brn scl, 2f pl
6 brn & red-brn by scl
7' yel-red dense grsl
8.5' yel-red & palebrn sl
13' pale white & dkgrey sl, m1p yel-red
13.5' white & lt. grey ls

11 10

12A 12

16

15

14 13

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/9/09	12	8 1/2'	11:55	12:31+	<1" →		F
1/9/09	10	7.5'/13'	12:52	1:22+	<1" →		F
1/9/09	10	9'/13'	1:31	1:37	1:53	16	H
1/9/09	6"-11'	Visual;	Internal drainage impeded or W.T.				F
			Head of swale				
1/13/09	22	6.5'/11'	2:21	2:50	2:20+	>30	F

#22
brn loam
brn cl, sbk
2.5' yel-brn gscl common Mn coatings few coarse Mn concentrations
3.5' yel-brn scl
4.5' grey sil micaceous f3d palered sl
6' red-yellow sl C2&3d paleyellow loam
11' red-yellow fl sl many Mn coatings on rock surfaces
13'

REMARKS #10; Trench Bottom 9', no Sidewall

SANITARIAN RB BACKHOE Bob Noll OTHERS ____________

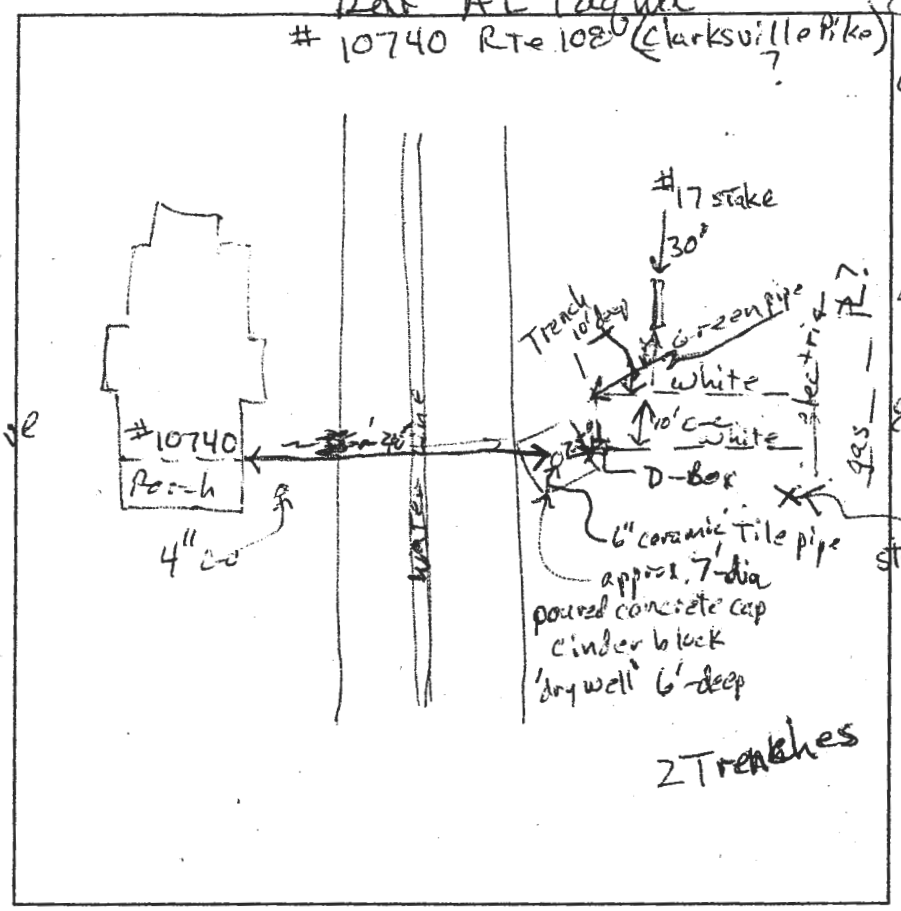
TEST HOLES USED IN SDA ____________ AVG. PERC TIME ______ SQ. FT/BR ______

TRENCH WIDTH ______ INLET DEPTH ______ MAX. BOT DEPTH ______ EFFECTIVE S/W ______

A/P _____

Dar Al Taqwa

10740 Rte 108 (Clarksville Pike)



2 Trenches have clean gravel Schedule 40 PVC drain pipe 2 ft wide 10 ft deep Inlet 3', and 4', 5'-5.5' Effective sidewall

est. 1.2 gpd/SF

17 offset 30'

0.3' dk brn loam

1.5' brn cl

red-brn cl

yel-red scl commonmica

4.5' dk grey-brn saprolite many fine mica some pale red

8.5' dk brn & pale yel. sl micaceous

#20 stake

13' dk brn sl blocky few Mn concentrations

14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/13/09	17 offset	14'	Visual		est. 1.2 gpd/sf 4.5' or 5' to 13'		P

REMARKS Observed soil profile at Repair installed

SANITARIAN RB BACKHOE Bob Noll OTHERS Brian Cleary

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

11/26/91

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 47710

A REPAIR

DISTRICT

DATE 1/3/92

DATE SYSTEM APPROVED 11/25/91

INSPECTOR

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

Jack Fyock IS PERMITTED TO INSTALL ____ ALTER X

ADDRESS ____ PHONE 988-9270

SUBDIVISION ____ LOT ____ ROAD 10740 Route 108

PROPERTY OWNER Horney

ADDRESS ____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

____ SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED ____

REPAIR - PURPOSE - Septic System has failed.

Call for inspection when ground is opened so sanitarian can recommend repair.

PLANS APROVED BY C. Williams DATE 11/25/91

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

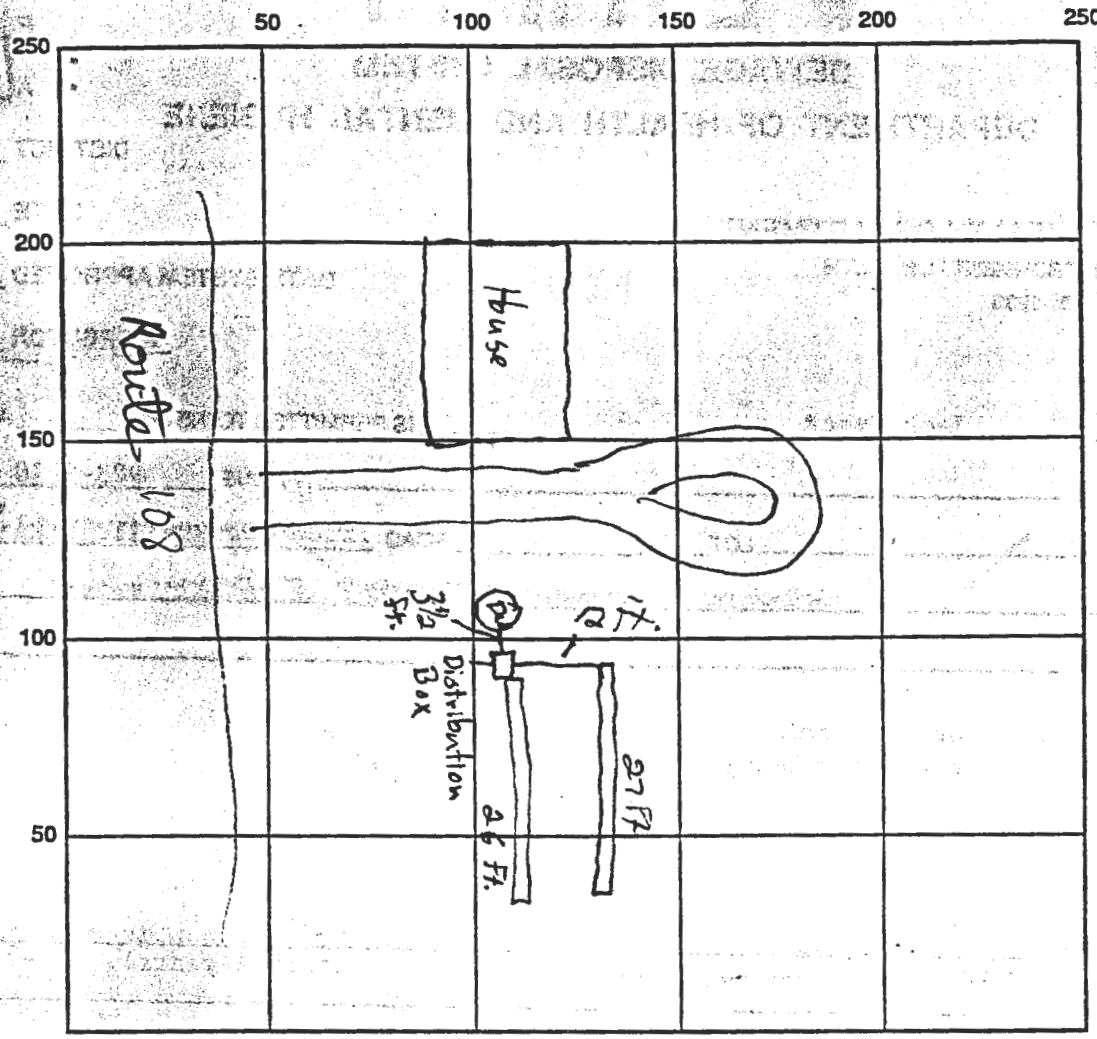
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

HD-260(6-90)

P - 47710



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL _____ CLEANOUTS _____

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TITLE DEPTH 10 FT. TRENCH WIDTH 2 FT. INLET DEPTH 2½ FT.

EFFECTIVE GRAVEL DEPTH 7½ FT. TOTAL LENGTH 53 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

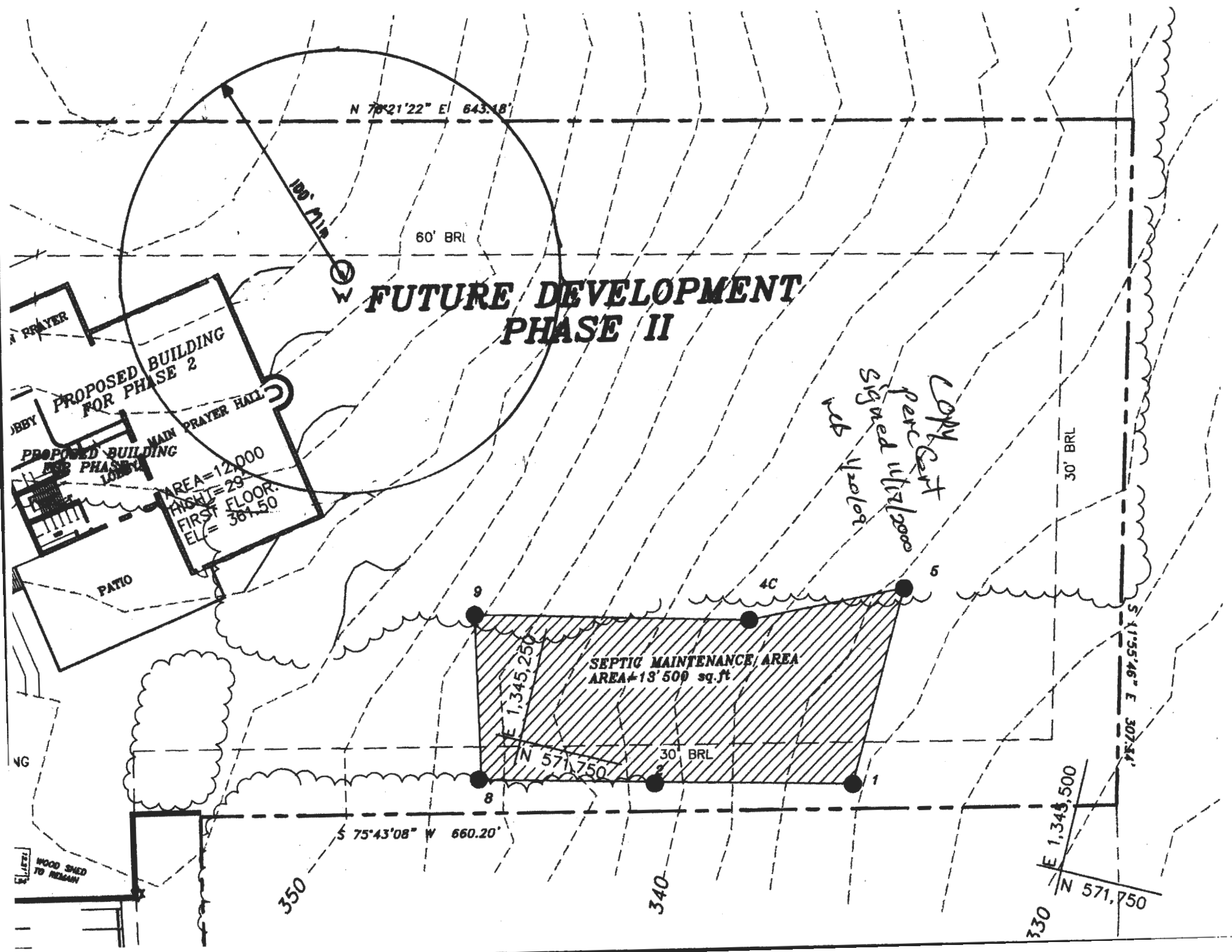
Trench
ABSORBENT AREA 397 SQ. FT.

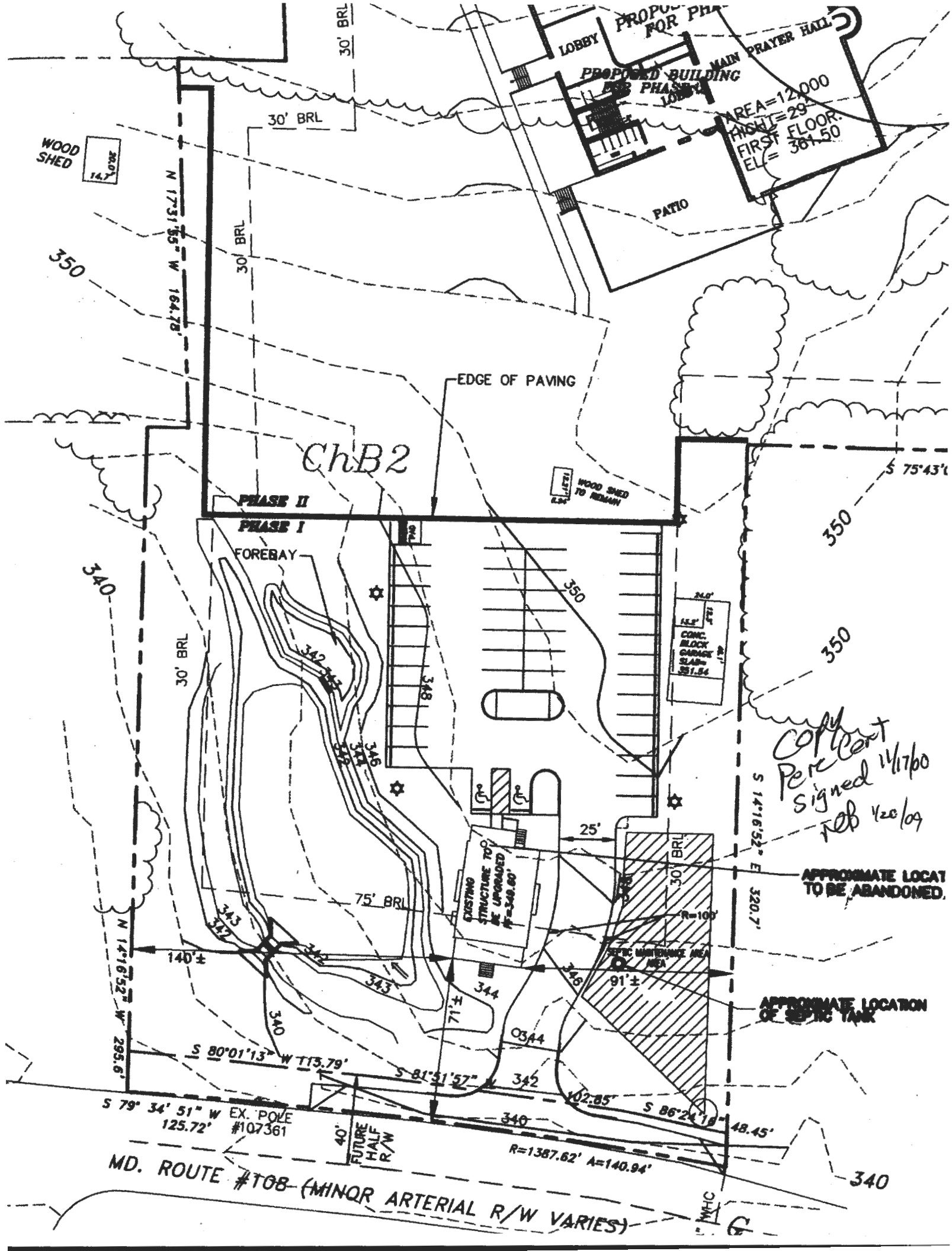
REMARKS: Septic repair for Horney
10740 Route -108

Kenny Ridgely (Flock)
11-25-91

11/25/91 NO INSP - APPROVED PER CONTRACTORS NOTES. CW

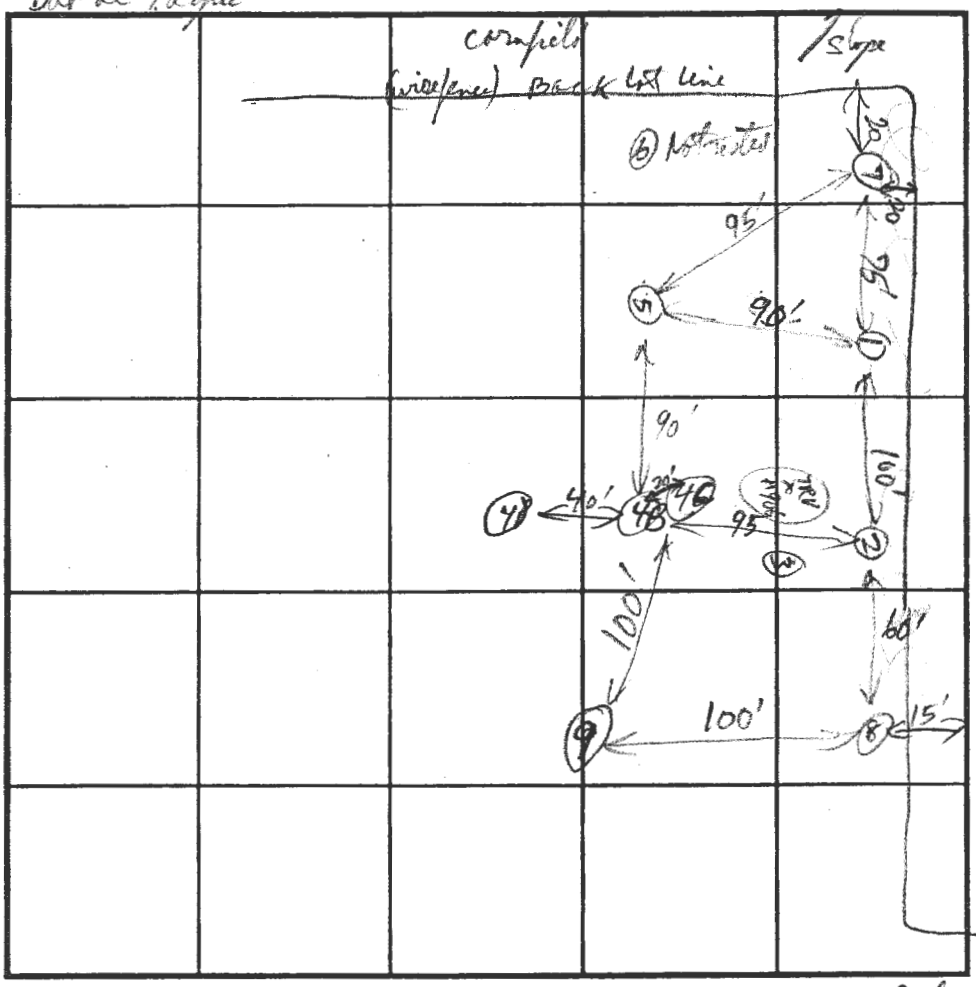
DATE SYSTEM APPROVED 11/25/91 INSPECTOR CWelch


N 78°21'22" E 643.18'
100' R'lg
60' BRL
FUTURE DEVELOPMENT
PHASE II
PROPOSED BUILDING
FOR PHASE 2
MAIN PRAYER HALL
PROPOSED BUILDING
FOR PHASE 2
LOBBY
AREA=12,000
HIGHT=29'
FIRST FLOOR
EL= 361.50
PATIO
Copy Cert
per Cert
Signed 11/2/2000
Volo
30' BRL
9
4C
5
SEPTIC MAINTENANCE AREA
AREA+13'500 sq.ft.
E 1,345,250
N 571,750
30' BRL
8
1
S 75°43'08" W 660.20'
WOOD SHED
TO REMAIN
350
340
330
E 1,343,500
N 571,750
S 11°55'46" E 307.34'


LOBBY
PROPOSED BUILDING FOR PHASE II
MAIN PRAYER HALL
AREA=12,000
HIGHT=29'
FIRST FLOOR EL= 361.50
PATIO
30' BRL
WOOD SHED
N 17°31'55" W 164.78'
350
EDGE OF PAVING
ChB2
WOOD SHED TO REMAIN
PHASE II
PHASE I
FOREBAY
340
342
348
346
CONC. BLOCK GARAGE
25'
75' BRL
EXISTING STRUCTURE TO BE UPGRADED
R=100'
APPROXIMATE LOCAT TO BE ABANDONED
140'±
91'±
71'±
APPROXIMATE LOCATION OF SEPTIC TANK
N 14°16'52" W 295.6'
S 80°01'13" W 113.79'
S 81°31'57" W 102.85'
S 86°24'18" E 48.45'
S 79° 34' 51" W 125.72'
EX. POLE #107361
40' FUTURE HALF R/W
R=1387.62' A=140.94'
MD. ROUTE #108 (MINOR ARTERIAL R/W VARIES)
WHC
Copy Per Cert Signed 11/17/09 TOB 1/20/09

A 514138
COUNTY #

Dar al Tague



SOIL PROFILE

0'

2

Red-yel Red hL-CL

3½

Tan Mica Loam -SL

9

>50% Slope

10½ Refusal

SOIL PROFILE

0'

#5

Upper profile 4 3' same as #2 Lower part Similar to #1 @12-14' cream/white PSL-SiL (relict c2f gray matrix very Moist

1

Strong Brn Loam Gran

8"

Str Brn hL

18"

Red Brn-yel Red CL

5' @ #5

45" Tan-yellow Mica Loam - Sandy Loam

#1

11½ 12' pale cream white - pale yel Red Matrix c2d gray (10YR 7/1) mottles

very Moist-wet

14 SL - Water Seepage @ Bottom

#7

Str Brn Loam

8"

Brn-yel Red hL

18"

Red Brn CL 20% vf gravels 6m-c56k) mfi-

4½

Mod yel Red (2.5YR 6/6) FSL (Massive)

6'

Gray & white (relict colors) c2f-c2fd red yel Matrix vFSL-SiL Moist

12' water Seepage

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. To Route 108 → [illegible]

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
7/19/05	# 2	10½	Too Rocky @ 8½-9'		(Soils @ 2' below 4')		[illegible] other
Mottled Water Table Confirmation	# 1	(estimate WT @ 11½ or 12') 14 4½	10:49:00	10:59:00	10:59:00	11:25	Hold for next Season 26min
(restricted (Low) - but over all Terrain	#7	12'	12' water @		12 - gray layer (c1d yel Red Matrix) @	5'-12'	Hold For next Season
	14' #5	14	similar to #1		water @ Bottom (Slow Seepage)	(pale cream + white w Moist SiL)	
		5½	11:06	11:11	11:11	11:22	11min
	4	6'	6 mottles Refusal (soil texture pale gray @		Rock layer)		Fail
	4B	3½'	Rocks 3/4 (Boulders				Fail
	#6	Not Tested					
	#3	Not Tested					

REMARKS _____

TYPE OF SOIL _____

TESTED BY Kelly

ALSO PRESENT Monty Rahaar Sam observer Don Robert 4 Engineer

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

A 514178
COUNTY #

SOIL PROFILE

0'

8

6-8" Rd Brn L gr
yel Red sm St
hL-CL

33½ yel-yel Brn
hL sm St

44½ yel-Rd yel
(mx yel ½/6-7/6)
L-SL
→ SiL
in place
Moisture
(Wet)

13½

9

Same as
8

44½'

gray & Tan
Mix

13½ Moisture Rock

4C

6" dark Brn L
Poly - Mix
yel Brn-Rd yel
hL-SiCl

18" Mix Red yel
yel Brn hL-CL

21" Rd Brn CL

5½ Rd Brn
- yel Red
Loam

25% Crushed
Stone &
Gravel

12½ Consistent
P SL - SiL
to Bottom

13½

SOIL PROFILE

0'

34
23
24½
23
11
5)119
24 min ave

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
9/19/00	# 8	V 13½ 5'	11:32	11:49	11:49	12:23	34 min
	# 9	V 13½ 5'	11:59	12:05	12:05	12:28	23 min
	# 4C	V 13½'	possible water + Rock		Sat. Sample @ 12½'		
		5½	12:30	12:40	12:40	1:05	25 min

REMARKS

TYPE OF SOIL

TESTED BY RPhilley ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 24 mpi TRENCH WIDTH 3

INLET DEPTH 4½ MAXIMUM BOTTOM DEPTH 6½ SQ. FT/BEDROOM Used 0.8 gpd/sq ft

LAYOUT 6/6/05 INSP 4 _____

INSP 2 6/29/05 INSP 5 _____

INSP 3 6/30/05 INSP 6 _____

ISSUE DATE: 5/18/05

PERMIT

P 522484

APPROVAL DATE: 6/30/2005

A 514178

ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

Fyock Septic Service, Inc. IS PERMITTED TO INSTALL ☒ ALTER ☐

Field Superintendent:

ADDRESS: P. O. Box 89, Glenelg 21737 PHONE NUMBER: 410-988-9270

Property Name: Dar Al-Taqwa Community Center

ADDRESS: 10740 Clarksville Pike PROPERTY OWNER: Dar Al-Taqwa

TAX ID# 02-218216

Install per approved SDP02-004 dated 7/8/2002 prepared by Mildenberg, Boender & Assoc.
SDP # sig. date engineer

Maximum Sewage Design Flow 400 gallons per day Average Percolation time min/inch

Design Loading Rate gallons per square foot per day

Min. Septic Tank Capacity 2000 ~~1000~~ gallon top seamed tank with filters or other equipment

Min. Pump Tank Capacity TBD gallon top-seamed compartmented tank with dual alternating pumps

Min Trench Required 185 feet installed in 2 trenches of 93 feet each.

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box near the upper right corner of the septic easement and install 2-93 foot trenches on contour towards the opposite side of the septic easement.
NOTES:	Public water. Well to be abandoned & sealed after connection is complete.

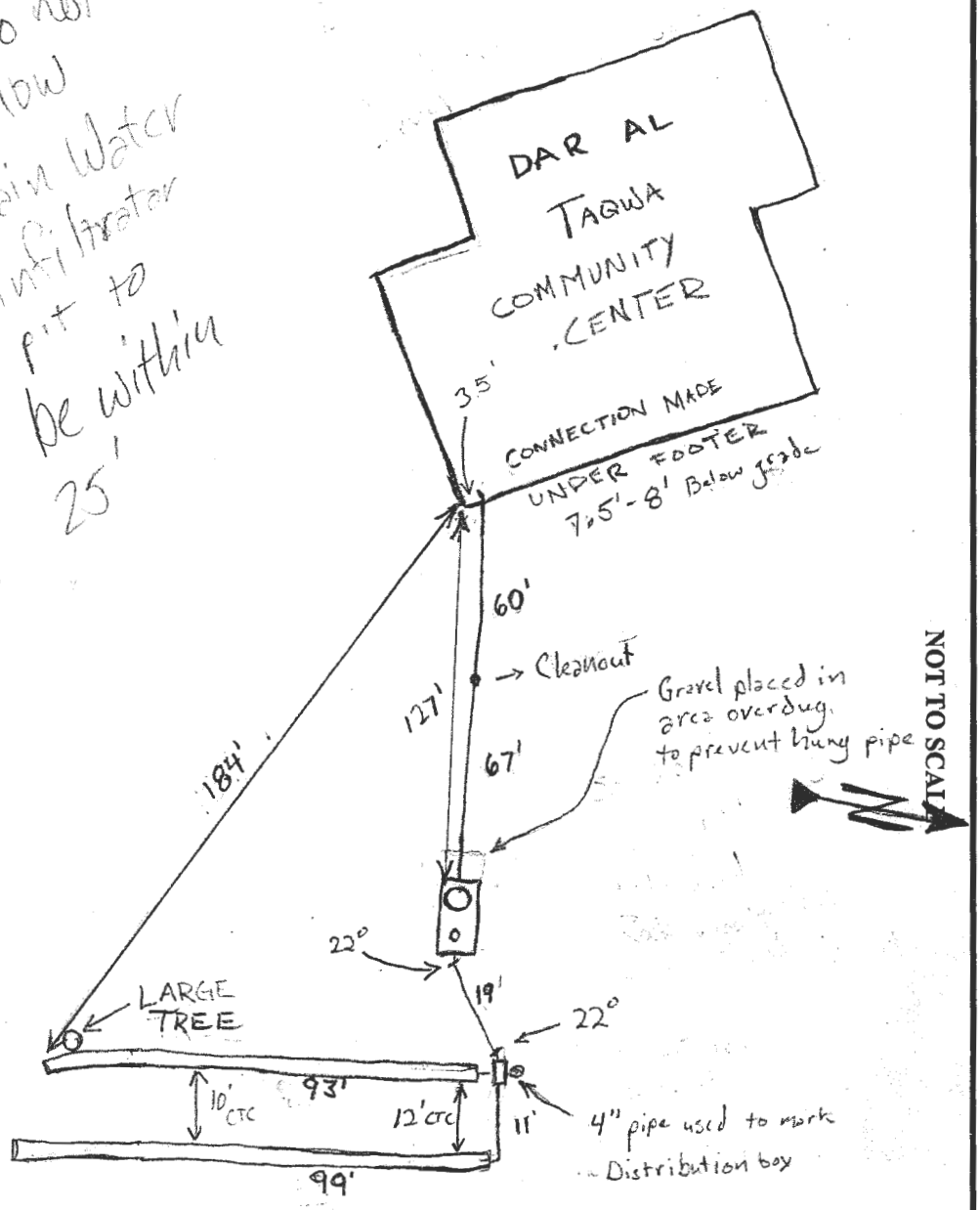
PLANS APPROVED: Brian Baker/RJP DATE: 6/13/05

NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM

Box to Be Marked

Do not allow Rain Water Infiltrator pit to be within 25'



MD SR 108

Inspection Date/Inspection Notes/Inspector's Initials & Others Present:

6/6/05 Met with Robert on site. Area staked. Contour is close. I install 2-93' trenches at top of easement. Use a transit. Pumped system may be required because building connection is now coming out somewhere under footer. Public sewer is not directly available. (BB)

6/29/05 Final called in for today. Robert says he shot contour. Trenches running on contour across easement in nearly straight line of contour. ~ last 20' of trenches are slightly uphill. Pump system will not be necessary. No septic tank yet. Inspected trenches and D-Box and ok'ed cover. Good chance of rain tonight. DBox will be left open to connect to septic tank. Check levelers and septic tank. (GAC)

6/30/05 Minimum fall from connection to tank 2-4%. Checked baffles → ok D-box is set with levelers no port. Robert said he was going to mark it with a 2x4 or 4" piece of pipe. Tank sits level. Watched Robert put crushed blacktop around hung connection into septic tank. Robert is also to fill the remainder of this area with gravel to avoid possible breakage of inlet pipe. OK to cover. (GAC) Robert said builder wanted him to let him run the rain gutters from the building into septic. Before final approval check that rainwater infiltrators meet setbacks of 25' away from septic components. (GAC) 7/5/05 In addition no UNO to be issued before existing well is sealed / abandoned. (GAC)

DATE SYSTEM APPROVED _____

-76^53'3."

39^14'11"

N

39^14'11"

-76^53'3."

Howard County
MARYLAND

By:
Office:
Map Width: 1,820.00 ft.
Print Date: 12/12/2008
Scale: 1 in. = 200 ft.

- use (need more info about use)
- add a basketball + other
- basketball ct + stage = (fundraisers? dinner tables weddings?) multiuse
- classroom area = for services
  - is it a school
- (frequency of classroom use)
- kitchen use = no food prep, serve only (to be expanded during renovation)
- gym
- floor plans for existing structure

Note: clean room, no food prep

* Caterer rents kitchen

HOWARD COUNTY HEALTH DEPARTMENT

Date

To: * showers in locker room

From:

Age group failed to

- [ ] For your information
- [ ] Please handle
- [ ] Please note & file
- [ ] Please circulate
- [ ] Please note & return
- [ ] Please distribute
- [ ] Please comment
- [ ] Please see me
- [ ] Please sign & return
- [ ] As requested
- [ ] Please prepare reply for my signature
- [ ] Please answer, sending me copy of your letter

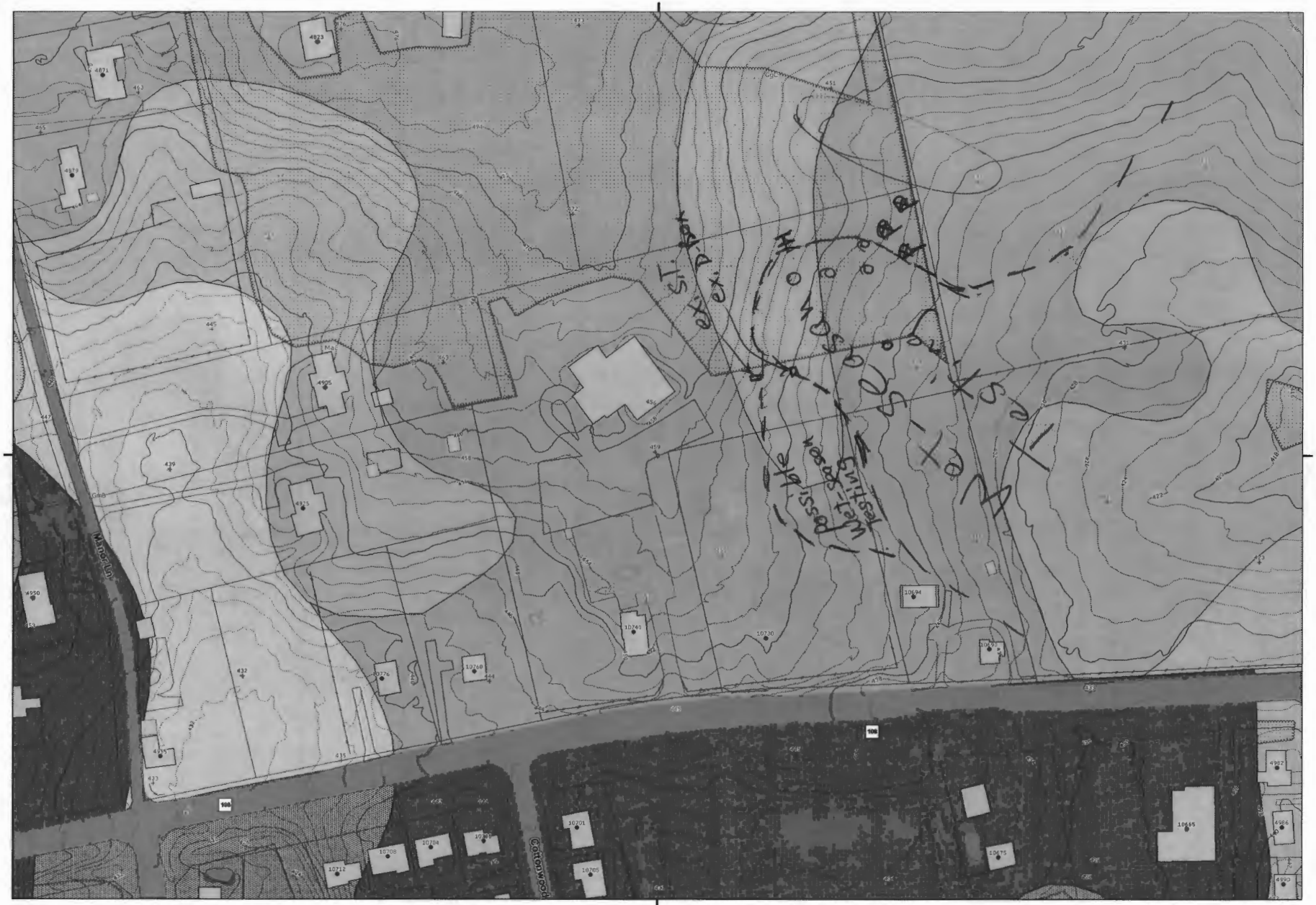
REMARKS: * if intended to prepare a banquet meal (need to clarify)

* explain laundry facility (how often? commercial?) does not

HD-171

-76^53'3."

39^14'11"



39^14'11"

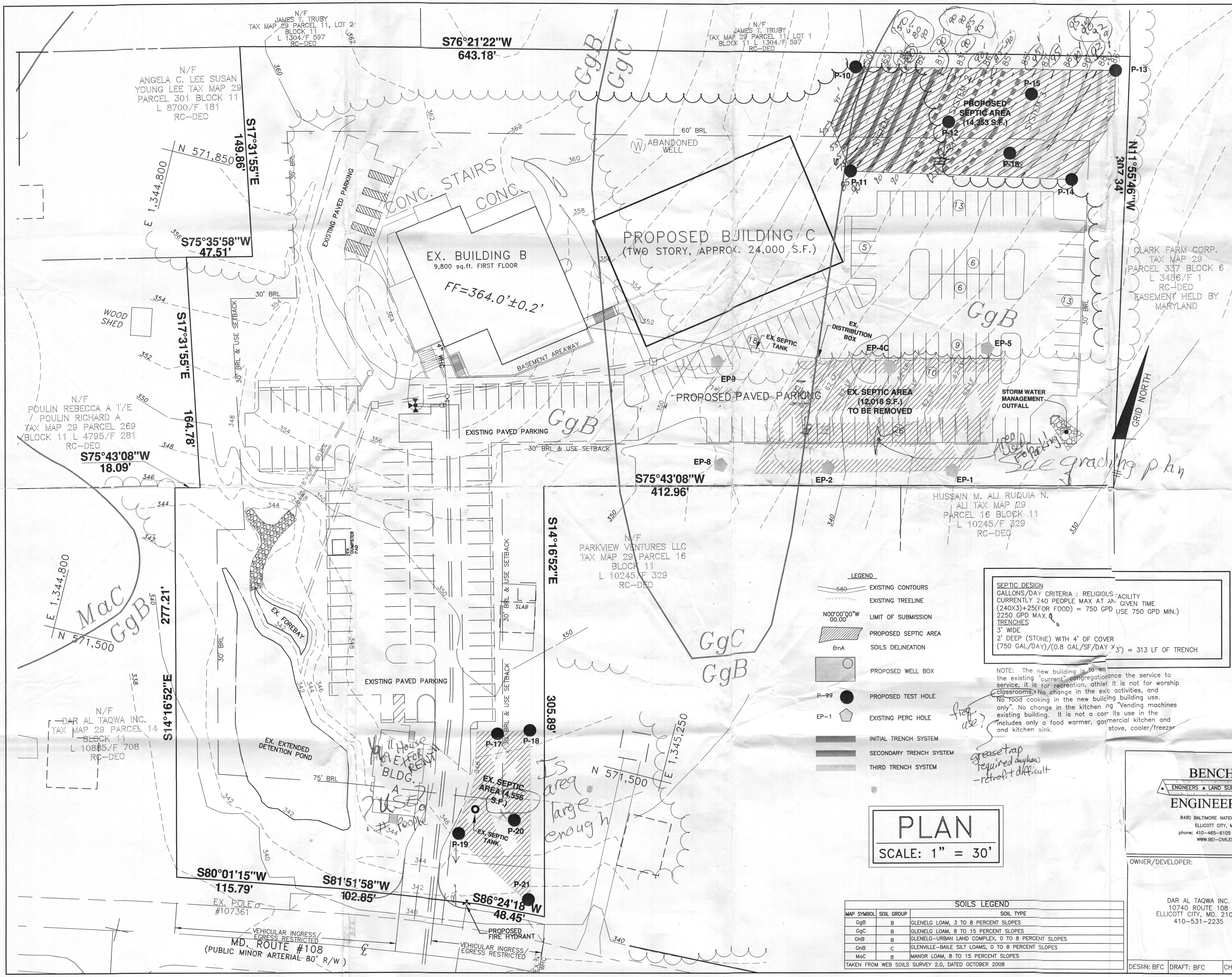
-76^53'3."

Howard County
MARYLAND

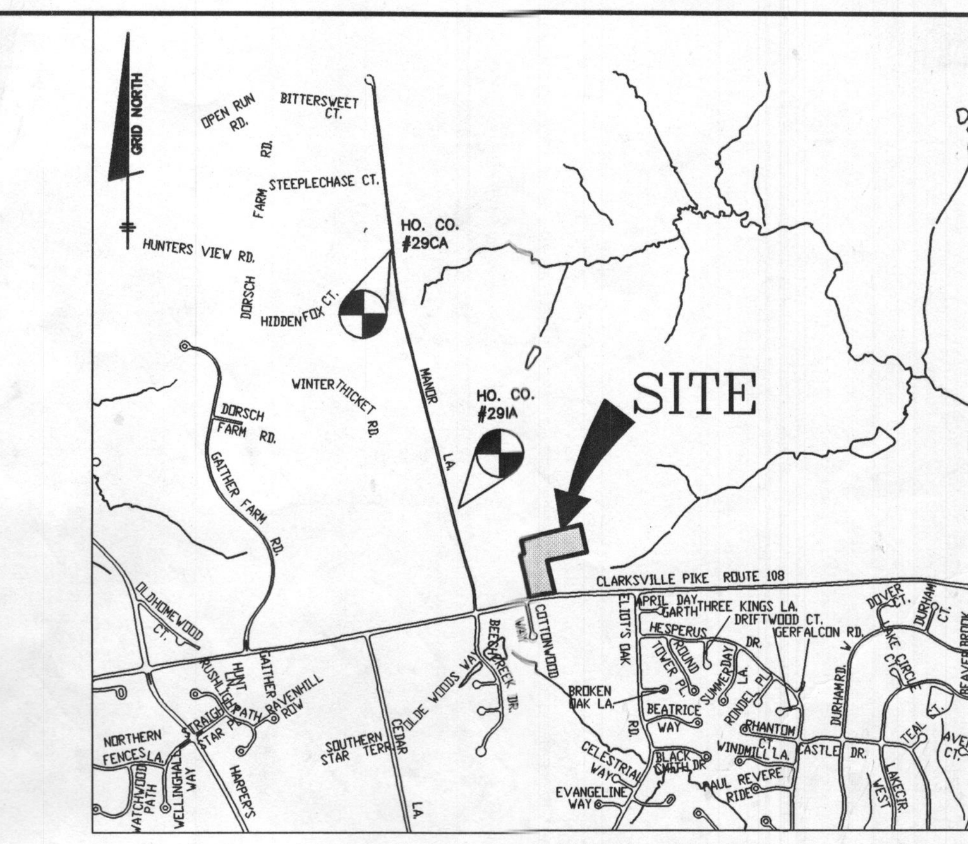
By:
Office:
Map Width: 1,820.00 ft.
Print Date: 12/12/2008
Scale: 1 in. = 200 ft.


Gullies
approx. Top Trench


Septic Tank
Distribution Box



PLAN
SCALE: 1" = 30'



VICINITY MAP
SCALE : 1'=2000'
ADC MAP 15, D2

BENCH MARKS NAD '83	
HO. CO. 29CA	ELEV. 422.892
STAMPED DISC ON CONCRETE MONUMENT. MANOR LANE 0.8 MILES NORTH OF RT. 108.	
N 574526.116	E 1,343533.76
HO. CO. 29IC	ELEV. 468.127
STAMPED DISC ON CONCRETE MONUMENT. MANOR LANE 0.2 MILES NORTH OF RT. 108.	
N 572323.543	E 1,344112.28

GENERAL NOTES

1.) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.

2.) [hatch] THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.

3.) TOPOGRAPHY SHOWN IS BASED ON THE APPROVED SDP-02-04 AND SURVEY PERFORMED BY NTT ASSOCIATES INC. ON OR ABOUT AUGUST 1995.

4.) THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.

5.) ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

6.) THE EXISTING SEPTIC AREA (BEST FIT) AND 100 YEAR FLOODPLAIN SHOWN ON LOT 1 OF PRIDES CROSSING IS BASED ON PLAT C.M.P. NO. 6401 FILED SPETEMBER 30, 1985.

7.) THE EXISTING PERCOLATION TESTING LOCATIONS ARE BASED ON A BEST FIT OF THE SIGNED PERCOLATION CERTIFICATION PLAN DATED OCTOBER 2000.

8.) PLEASE NOTE THAT A GRINDER AND PUMP WILL LIKELY BE NECESSARY TO ACCOMODATE THE ELEVATION CHANGE BETWEEN THE BASEMENT AND THE PROPOSED SEPTIC AREA LOCATION.

9.) THE HEALTH DEPARTMENT WAS CONTACTED ON OCTOBER 24, 2008 FOR A REQUEST OF INFORMATIONS UNDER THE PUBLIC INFORMATION ACT AND INDICATED THAT THE TESTING INFORMATION PREVIOUSLY ESTABLISHED ON SITE WAS DISGARDED AFTER THE FACILTIES WERE CONNECTED TO PUBLIC WATER.

SEPTIC DESIGN
GALLONS/DAY CRITERIA : RELIGIOUS FACILITY
CURRENTLY 240 PEOPLE MAX AT ANY GIVEN TIME
(240X3)+25(FOR FOOD) = 750 GPD (USE 750 GPD MIN.)
2250 GPD MAX.
TRENCHES
3' WIDE
2' DEEP (STONE) WITH 4' OF COVER
(750 GAL/DAY)/(0.8 GAL/SF/DAY X 3') = 313 LF OF TRENCH

NOTE: The new building is to en... the existing "current" congregatio...ance the service to service, it is for recreation, athlet... It is not for worship classrooms. No change in the ex... activities, and No food cooking in the new buil...ing building use. only". No change in the kitchen ...ng "Vending machines existing building. It is not a com... its use in the includes only a food warmer, gas...mercial kitchen and ... stove, cooler/freezer and kitchen sink.

SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
GgB	B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GgC	B	GLENELG LOAM, 8 TO 15 PERCENT SLOPES
GhB	B	GLENELG-URBAN LAND COMPLEX, 0 TO 8 PERCENT SLOPES
GnB	C	GLENVILLE-BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES
MaC	B	MANOR LOAM, 8 TO 15 PERCENT SLOPES
TAKEN FROM WEB SOILS SURVEY 2.0, DATED OCTOBER 2008		

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 KNOWLEDGE AND BELIEF.

BRIAN F. CLEARY
PLAN PREPARER

APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER — DATE

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLICOTT CITY, MARYLAND 21043
phone: 410-465-6105 ▲ fax: 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

STATE OF MARYLAND — BRIAN F. CLEARY — No. 28559 — REGISTERED PROFESSIONAL ENGINEER
12/12/2008

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. 28559, Expiration Date: 7-22-2009.

OWNER/DEVELOPER:
DAR AL TAQWA INC.
10740 ROUTE 108
ELLICOTT CITY, MD. 21042
410-531-2235

PROJECT:
DAR AL TAQWA
PHASE III

LOCATION:
TAX MAP: 29, GRID: 11, PARCEL: 12
2nd. ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE:
PERCOLATION TESTING PLAN

DATE: DECEMBER, 2008	PROJECT NO. 2132
SCALE: AS SHOWN	SHEET 1 OF 1

DESIGN: BFC | DRAFT: BFC | CHECK: BFC

PC-________