

APPLICATION

PERCOLATION TESTING

A 516536

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE 2 | 26 | 02

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER EMER OJICO

ADDRESS 6724 GOSHEN HUNT ROAD ELK RIDGE MD 21075
PHONE 410 707 1726

AGENT OR PROSPECTIVE BUYER MIKE JONES

ADDRESS 1801 CALVARY RD BELAIR MD 21015 PHONE 410 836 2065

PROPERTY LOCATION: 5942 Clifton Oaks Drive

SUBDIVISION Westside LOT NO. ~~#10~~ LOT 10

ROAD AND DESCRIPTION _____

TAX MAP 34 PARCEL # 3B

SIZE OF LOT 4.6372 A TYPE BLDG. Single Family
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

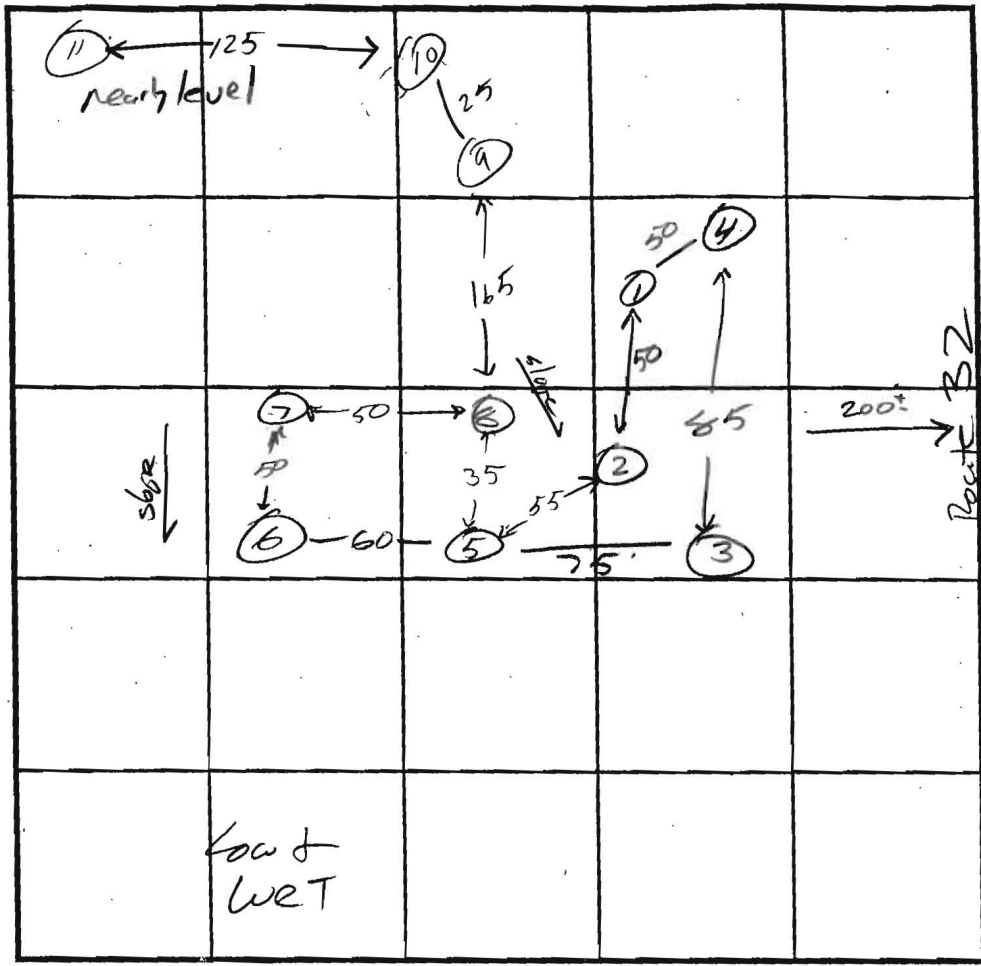
THIS IS NOT A PERMIT

SOIL PROFILE

0'
1
2'
Brown Heavy Loam
micaceous silt loam w/ 10-15% soft shaly frags
25-30% silt + shaly frags

11'
4
2
Soft Brown Heavy Loam
micaceous silt loam w/ 10% rock frags
10-20% rock
micaceous silt loam
micaceous silt loam

11'
3
Brown → red Clay loam
Heavy Gray panned mottles in a micaceous sandy loam (reddish gray)
15-20% rock



SOIL PROFILE
0'
4
Brown sticky Clay loam
3
Brown → red micaceous sandy loam
4
micaceous sandy loam w/ 20-25% rock
8
micaceous sandy loam w/ 10% rock
11 1/2

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/13/02	1 S V	4 / 11	9:50:25	9:52:24	9:52:24	9:56:27	4:51
	2 S V	4 1/2 / 11	9:55:02	9:57:15	9:57:15	10:02:35	5:50
	3 V	19 1/2	HEAVY MOTTLES				FAIL
	4 M V	6-7+ / 11 1/2	11:10:13	11:11:50	11:11:50	11:14:18	3 1/2

REMARKS HOLES 3,5,6,9 NOT USABLE; HOLES 9-11 NOT PER PLAN
TYPE OF SOIL _____
TESTED BY J. Boris / M. Ripkin ALSO PRESENT B/dr, boeman
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

9 1/2

COUNTY #

SOIL PROFILE

15 + 6

Brown Heavy Loam

Clay (Variable)

Micaceous Sandy Loam w/ 20-25% rock
Micaceous Sandy Loam w/ 15-20% rock

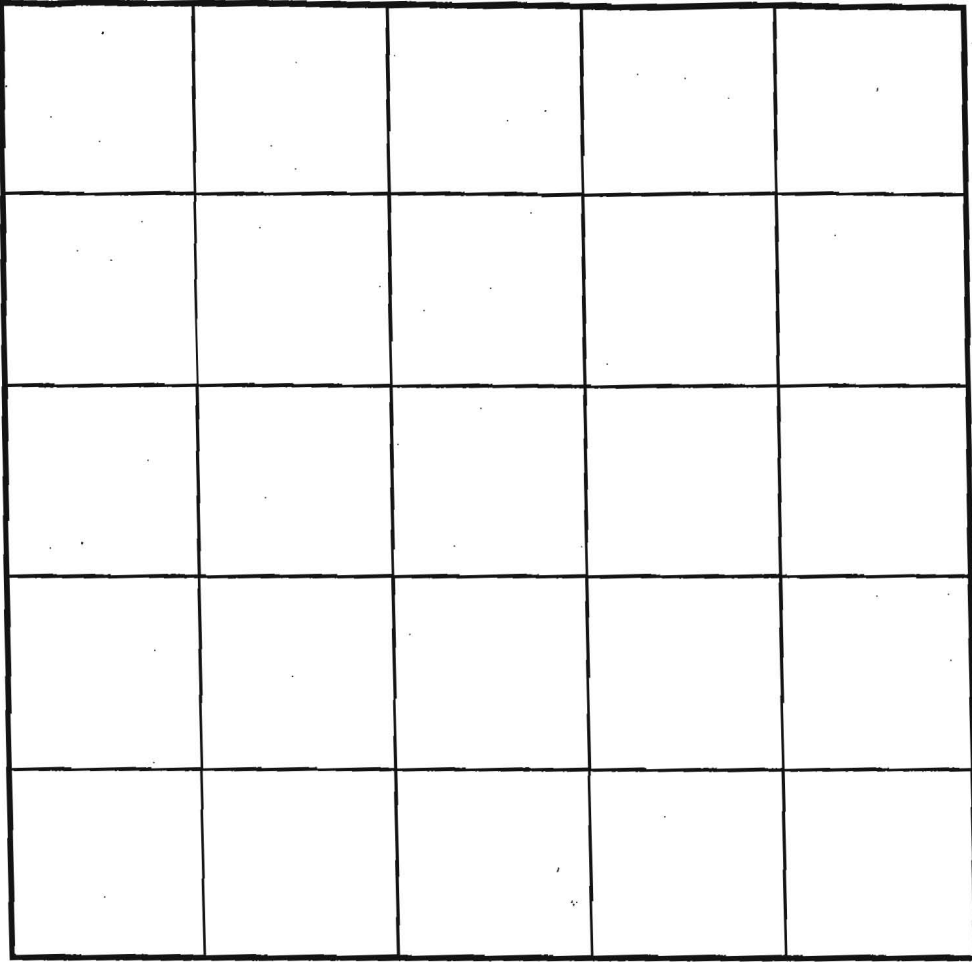
Micaceous Brown Clay Loam

Brown Silt Loam w/ 40% rock

Heavy Brown Micaceous Loam

Brown/Red Micaceous Sandy Loam w/ 10-15% rock

Brown/Red Micaceous Sandy Loam w/ 15-20% rock



SOIL PROFILE

15

Brown Heavy Loam

Micaceous Sandy Loam w/ 30-40% rock

Micaceous Sandy Loam w/ 30-40% rock

7 1/2 refusal

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/13/02	5v	14	OK				
	6v	11	OK				
	7 ^M 7v	6" 11	10:55:15	10:59	10:59	11:04:45	5:45
	8v	13'9"	OK				
	9v	17 1/2' + rock @ 7 1/2'				FAIL	

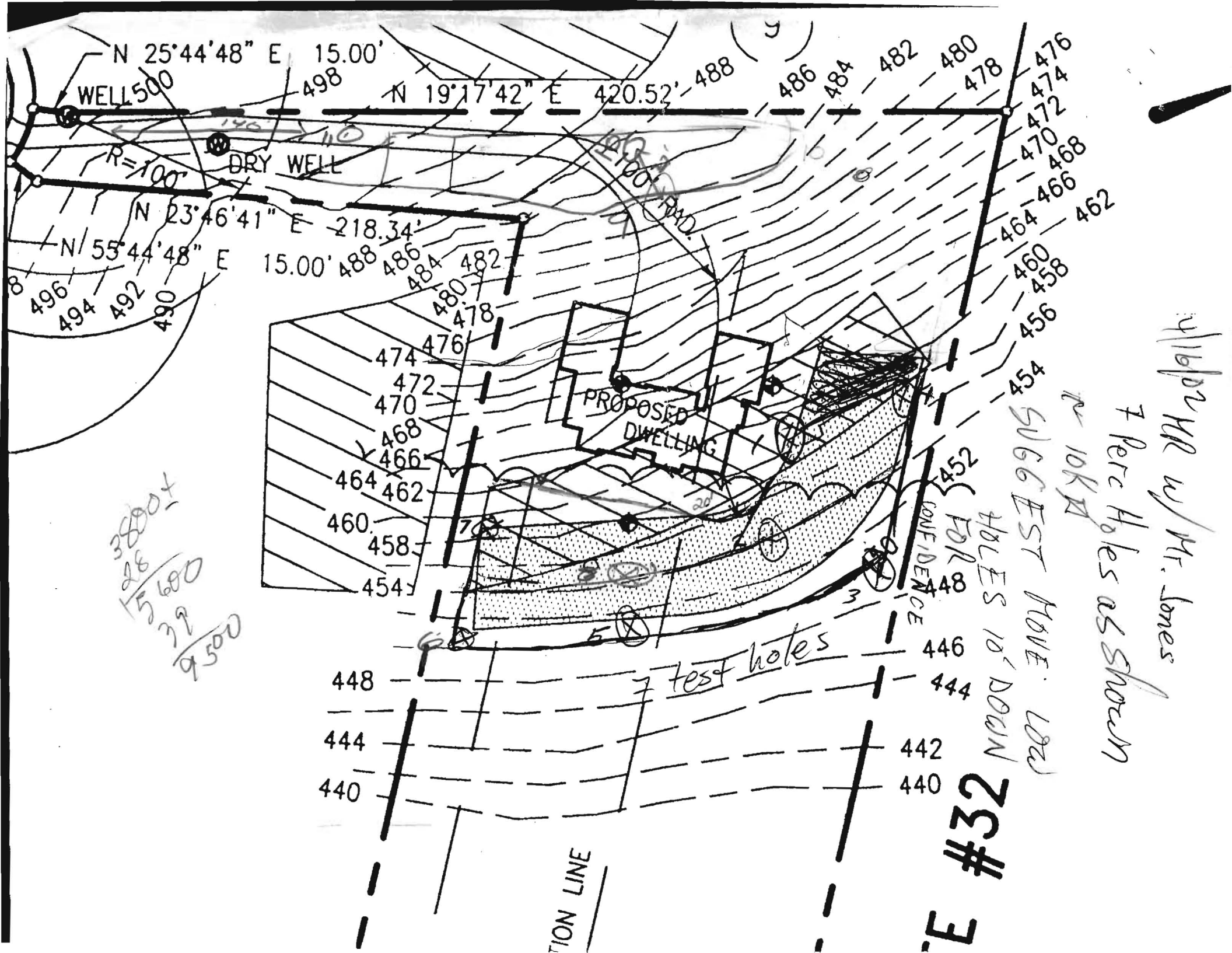
REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



N 25°44'48" E 15.00'

N 19°17'42" E 420.52'

N 23°46'41" E 218.34'

N 55°44'48" E 15.00'

R=100'

DRY WELL

PROPOSED DWELLING

7 test holes

CONFIDENCE

E #32

388004
 28
 15680
 39
 9500

SUGGEST MOVE. (202)

7 Perc Holes as shown

4/16/22 MR w/ Mr. Jones

448
444
440

448
446
444
442
440

TION LINE

HOLE IS 10' DOWN

N 10K N

454

456

460

464

468

470

472

474

476

478

480

482

484

486

488

490

492

494

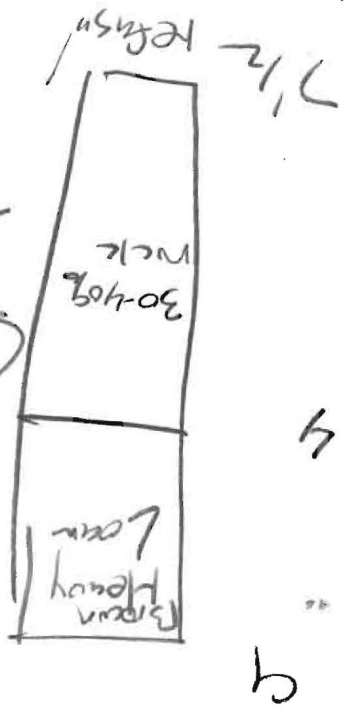
496

498

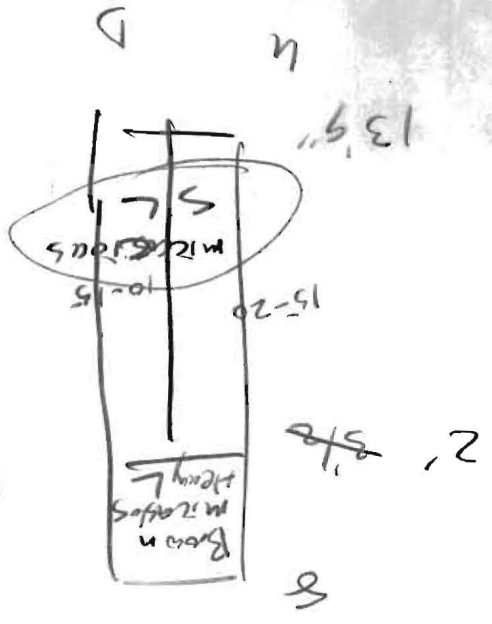
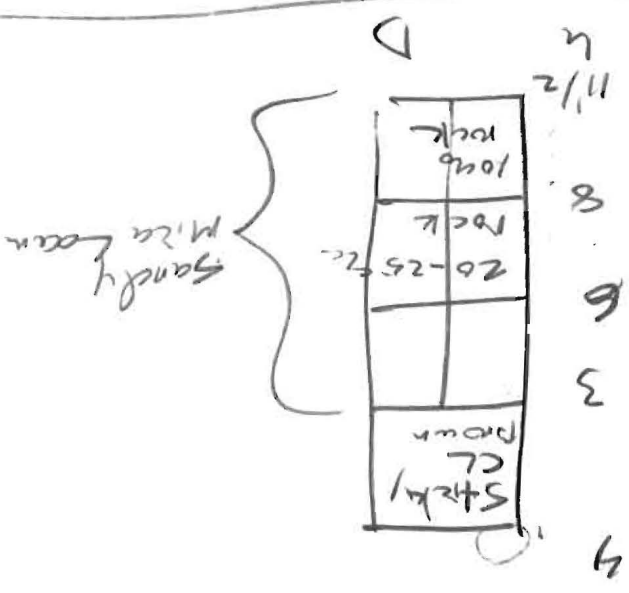
500



NOT TEST
Fill



Soak F	Soak F	Soak Start	10	5' 10"
12:09:05	12:04:55	12:02:30	12:06:06	12:02:30
12:08	12:07	12:07	10 51	12:06:06
12:12:20	12:10:30	10 52	12:08:49	12:12:20



VT



HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health
3525-H Ellicott Mills Drive, Ellicott City, Maryland 21043-4544
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-877-4MD-DHMH

01351

Penny E. Borenstein, M.D., M.P.H., Acting County Health Officer

June 20, 2002

JUN 24 2002

Mr. Mike Jones
1801 Calvary Road
Bel Air, MD 21015

RE: PERCOLATION TEST RESULTS—A516536
- Westside, Lot 10, Clifton Oaks Drive
- Adjustment to Previously Platted Easement

Dear Mr. Jones:

Percolation testing conducted May 13, 2002 on the referenced property indicated limited satisfactory soil conditions. The primary limiting factors were evidence of shallow groundwater and rock. Copies of the test results are enclosed.

Further review is contingent upon submission by a registered engineer/surveyor of a percolation certification plan showing the following:

- 1) actual locations and elevations of all excavated test holes
- 2) a suitable house and well site
- 3) all existing wells and septic reserve areas on the property
- 4) a proposed sewage disposal area of at least 10,000 ft² supported by the passed test holes
- 5) locations of any other relevant features such as streams, swales, or existing structures
- 6) a note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 7) a note indicating that depicted topography reflects field-matched information

Due to the rock and water conditions, a split sewage disposal area will be necessary; one portion will be in the area originally proposed, and a second portion will be in the flagstem driveway.

The percolation certification plat should be submitted within 60 days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2640.

Very truly yours,

John A. Boris, Jr., R.S.

Water and Sewerage Program

JB

Enclosures

cc: Elmer Orozco
Campbell and Nolan Associates
File



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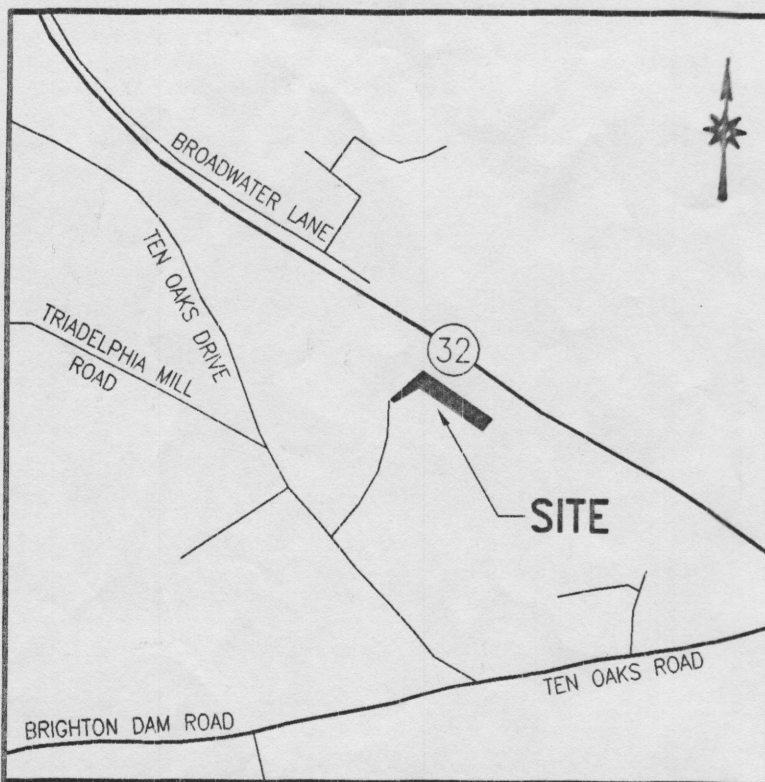
John A. Boris, Jr., R.S.

Water and Sewerage Program

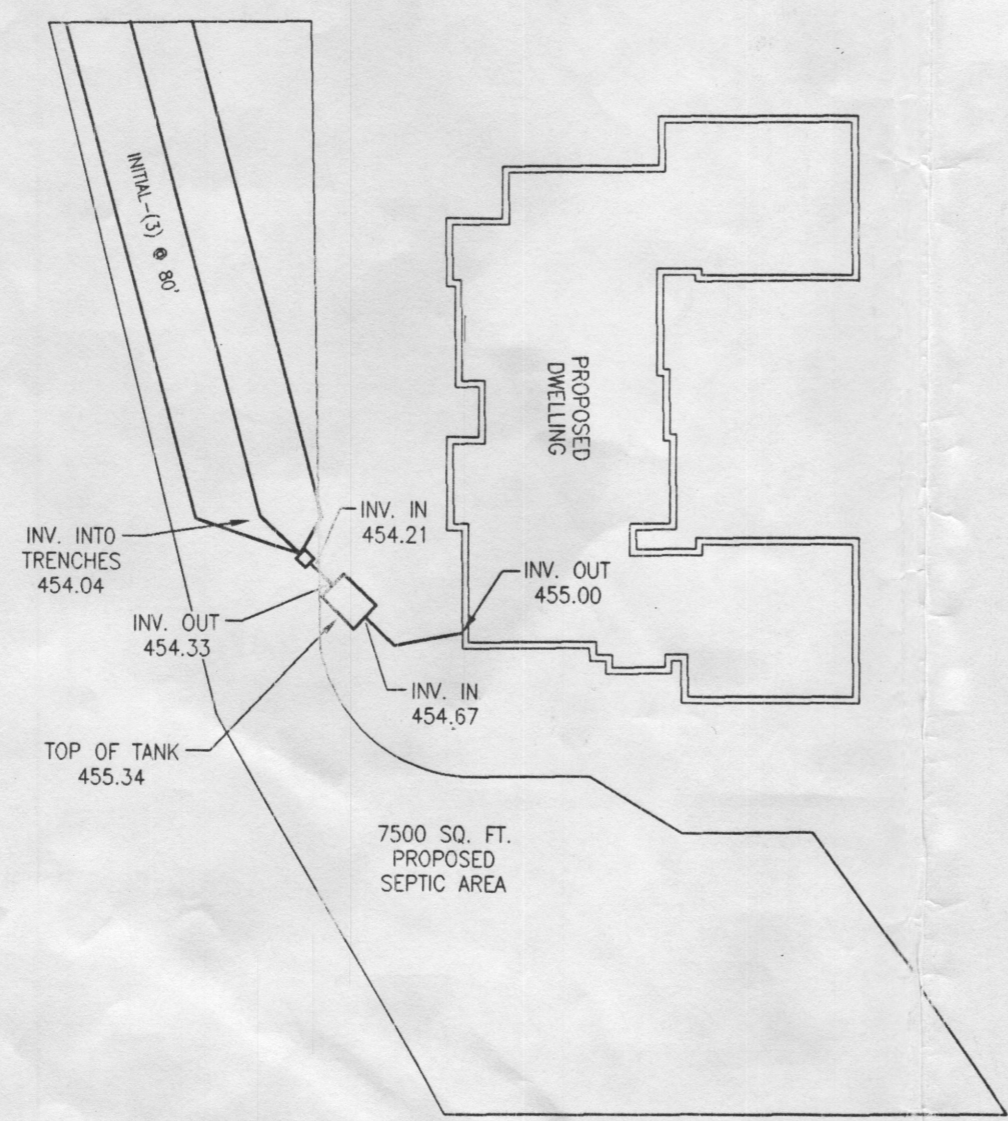
JB

Enclosures

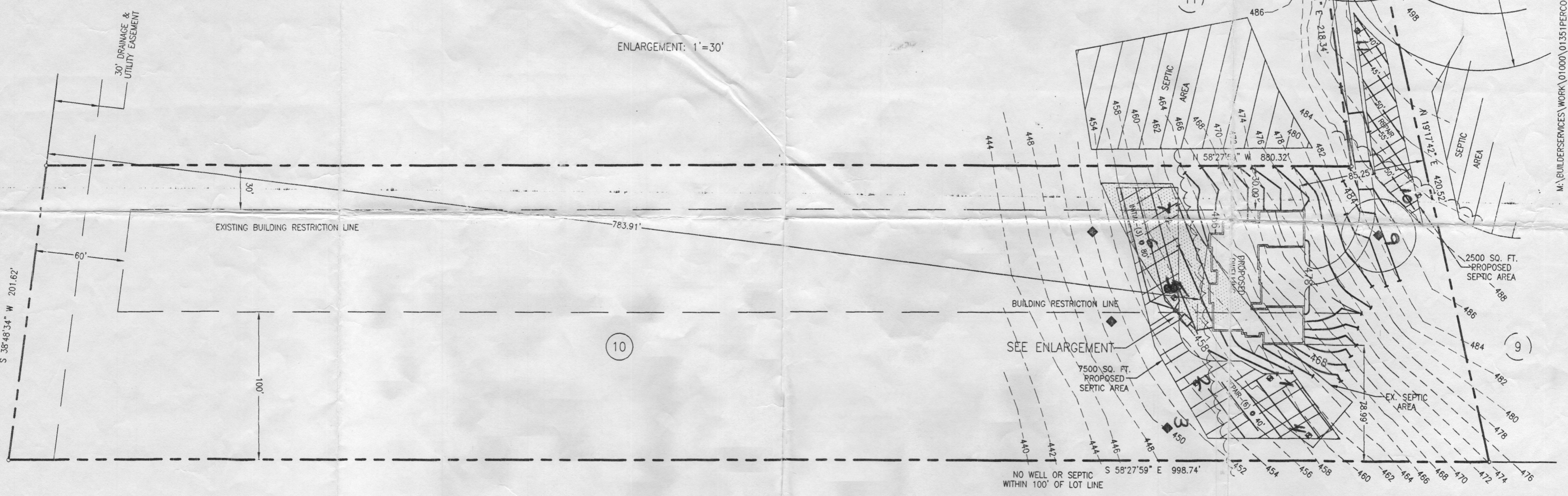
cc: Elmer Orozco
Campbell and Nolan Associates
File



LOCATION MAP
1"=200'



ENLARGEMENT: 1'=30'



NO WELL OR SEPTIC WITHIN 100' OF LOT LINE

MARYLAND ROUTE #32

PRINT DATE

OCT 7 2002

CAMPBELL & NOLAN ASSOCIATES, INC.

NO WELL OR SEPTIC WITHIN 100' OF LOT LINE

Revised 10,000

THE PURPOSE OF THIS PLAN IS TO ADJUST A SEPTIC DISPOSAL AREA

HOUSE TYPE: OROZCO STANDARD WITH FOUR BEDROOMS
SEPTIC SYSTEM: 1 INITIAL-3 REPAIR-240' OF SEPTIC TRENCH
FF: 481.00
TF: 458.00

PERCOLATION TEST APPLICATION#: 516536

◆ DENOTES PASSING PERCOLATION TEST
◆ DENOTES FAILING PERCOLATION TEST

ALL WELLS AND SEPTICS WITHIN 100' OF LOT LINES HAVE BEEN LOCATED.

PLAT REF: #79-94

THE CONTOURS SHOWN HEREON ARE FROM FIELD RUN TOPOGRAPHY AS COMPLETED BY CAMPBELL & NOLAN ASSOCIATES, INC.

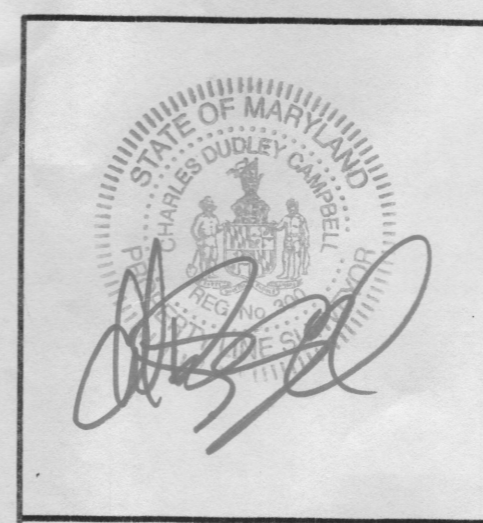
OWNER:
ELMER OROZCO
6724 GOSHEN HUNT ROAD
ELKRIDGE, MARYLAND 21075-5552
410-707-1726

CONTRACTOR:
MIKE JONES
1801 CALVARY ROAD
BEL AIR, MARYLAND 21015
410-836-2065

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

[Signature] 10/24/02
HOWARD COUNTY HEALTH OFFICER DATE
JAB

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.



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.

PERCOLATION CERTIFICATION PLAN
LOT 10
WEST SIDE
LOTS 1 THROUGH 17
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1"=50'
DATE: 10-2-02
DRAWN BY: JSC
DESIGN BY: JSC
CHECKED BY: JSC
JOB NO.: 01351

CNA
campbell & nolan associates, inc.
Civil Engineers * Land Surveyors * Geotechnical Engineers
P.O. Box 441 * Bel Air, Maryland 21014-0441
(410)879-7200 * (410)838-2784 * Fax(410)838-1811

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