

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT \_\_\_\_\_

DATE Feb. 17, 1986

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER PATUXENT INSTITUTION - GUANO TOWER

✓ ADDRESS P.O. Box 700, Jessup, Maryland PHONE 301-799-3400

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION: MEET AT MAIN GATE - 1000 - 3000

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

✓ ROAD AND DESCRIPTION Adjacent to the intersection of Route 1 and Route 32, Jessup, Maryland. Proposed guard tower north of institution entrance.

✓ TAX MAP N/A PARCEL # N/A

SIZE OF LOT 134.5 Acres TYPE BLDG GUANO TOWER  
(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.

Richard M. Guss  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 2/25/86 - PERC OK FOR ABOUT 2-3 SYSTEM  
BUT NOT 10000 SQFT HOLD FOR REVIEW RH  
2-28-86 Perc Results Satisfactory; Hold for certified holes S. Able

## THIS IS NOT A PERMIT

⑦

SOIL PROFILE

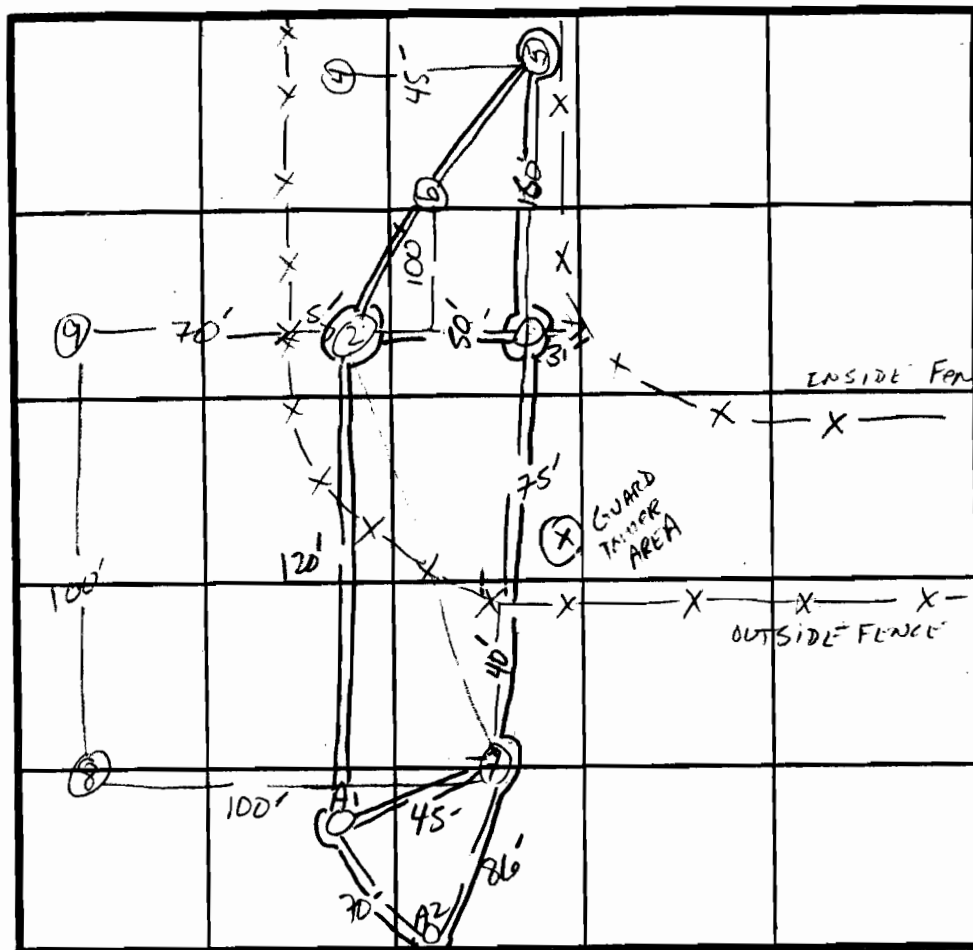
0"	40-3
4"	GRAY BR. SANDY SILT CLAY, sm. B GRAVEL
8"	Yellow BR Building GRADE SAND PINK/PURPLE & BLACK MOTTLES FE & MN NO COARSE FRAGMENTS COARSE SAND

⑧

0"	40-3
3"	Yellow BR & RED OR CLAY LOAM
18"	Gray BR CLAY LOAM
45"	FILL (TREES) GRAY

⑨

0"	40-3
3"	Yellow BR Yellow Red CLAY LOAM
18"	Yellow BR Grey SAND FILL MATERIAL
8"	High Root ZONE
10"	SAND
11"	Yellow Orange



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Rt 175

HOLE  
1,2,5 = 4000 ft  
1,2,7, A-1 = 5581 ft  
7, A-1, A-2 = 1500 ft  
TOTAL > 10K ft

A<sub>1</sub> = AUGER  
A<sub>2</sub> = AUGER

17  
115  
245  
1675  
560  
6275

158 ft/BR  
BASED ON 3 BR  
474 ft

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/28/86	7 S M	4' 9'	1:08:50	1:11:50	1:11:50	1:15:15	3 min 25 sec. ST
	7 V	12'	SIDES CAVING - BUILDING GRADE SAND				
	8 V	8'	UNIFORM SOIL COMP. 2100' below 8"				
	9 V	11'	See Profile				
	A <sub>1</sub>	36"	Yellow BR.	SAND LOAM	STRONG BR.	CLAY ABOVE	
	A <sub>2</sub>	30"	Yellow BR.	SAND LOAM	STRONG BR.	CLAY ABOVE	

1000 GAL  
SHALLOW  
TRENCHES  
INLET  
4"  
BOTTOM 5.5'  
2(80')  
TRENCHES

REMARKS

Accumable Perc AREA IN RED

TYPE OF SOIL

SANDY / CLAYEY LAND

TESTED BY

S. Abel

JANE NADUE, BILL - PATUX. INST.

ALSO PRESENT

RLO BACKHOE

2/19/86  
1130

# APPLICATION

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A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER PATUKENT INST. - APPLICATION IN PROCESS CWS.

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. \_\_\_\_\_

(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

## THIS IS NOT A PERMIT

SOIL PROFILE

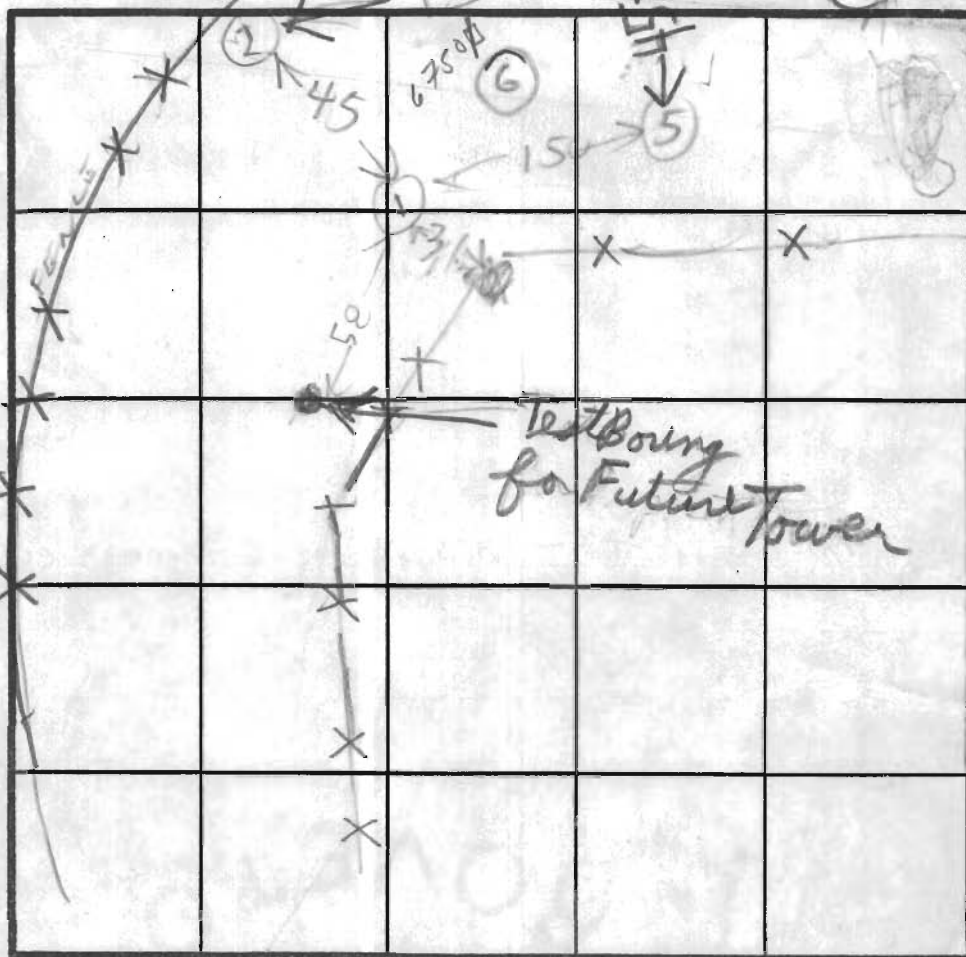
1  
BROWN CLAY & TOPSOIL  
2  
SOFT TAN & BROWN SAND  
10 1/2

2  
BROWN CLAY TOPSOIL

4  
BEDDISH SAND  
SOFT TAN SAND  
9 1/2

3  
BROWN & BLACK FILL DIRT  
7 1/2

4  
CLAY TOPSOIL & SAND  
11



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

5  
CLAY TOPSOIL  
5  
SANDY  
11

5  
5 1/2  
CLAY SAND

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/24/96	✓ 15	4	126	126.5	126.5	128	1.5 MIN
	✓ 1V	10 1/2	LOOKS	OK			
	✓ 25	4	155	156	156	159	3
	✓ 2V	9 1/2	LOOKS	OK			
	X 3V	7 1/2	LOOKS UNSATISFACTORY				
	✓ 4V	11	LOOK OK Below 7 FT				
	✓ 55	6	322	326	326	337	11
	✓ 5V	11	LOOKS OK BELOW 5 FT				
2/24/96	✓ 6V	5 1/2	Top 5 ft Clay Bot 6" Sand				

HOLD ELEV

(12) HIGH

(3) LOW

(4/5/6) MOD

ALMOST LEVEL SITE

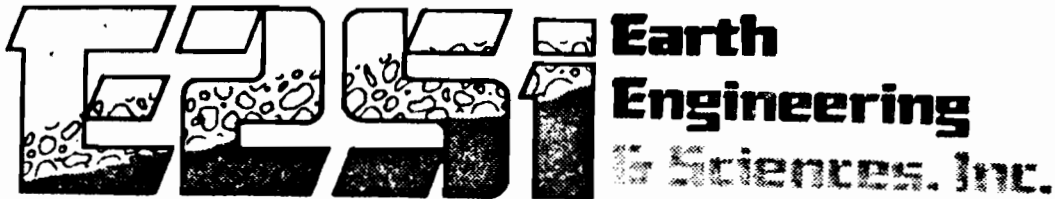
SNOW TODAY

REMARKS CITY WATER HERE PITTSBURG TESTING LAB

TYPE OF SOIL SNOW TODAY BILL WEHNER

TESTED BY R. HODGES Geologist AND NATURAL

ALSO PRESENT



3401 Carlins Park Drive

Baltimore, Maryland 21215

(301) 466-1400

February 12, 1986

Mr. Craig Williams  
Maryland Department of Environmental Health  
3525 Ellicott Mills Drive  
Suite H  
Ellicott City, Maryland 21043

Re: Percolation Testing  
Northern Guard Tower  
Patuxent Institute  
Jessup, Maryland  
Our Contract No. 85-307

Dear Mr. Williams:

The Patuxent Institute has proposed to build two new guard towers at the existing correctional facility. The southern tower will be connected to an existing 4 inch sanitary sewer approximately 200 feet northeast of the tower location. The northern tower will not be connected to an existing sewer line due to the prohibitive distance and cost to do so.

To the best of our knowledge the closest existing sanitary sewer is over 300 feet from the proposed northern guard tower. Therefore, a septic tank and drainage field are planned approximately 70 feet northeast of the northern tower location.

(DISTANCE TO SEWER IS UNKNOWN - IT IS MUCH GREATER THAN 300FT.)  
Earth Engineering requests that a percolation test be performed by Howard County on the proposed site of the northern guard tower for the determination of soil suitability for this purpose. As discussed during our telephone conversation on February 11, 1986, a backhoe has been scheduled for Tuesday, February 18, 1986 at 1:30 p.m. at the above mentioned site. *CHANGED TO FEB 19*

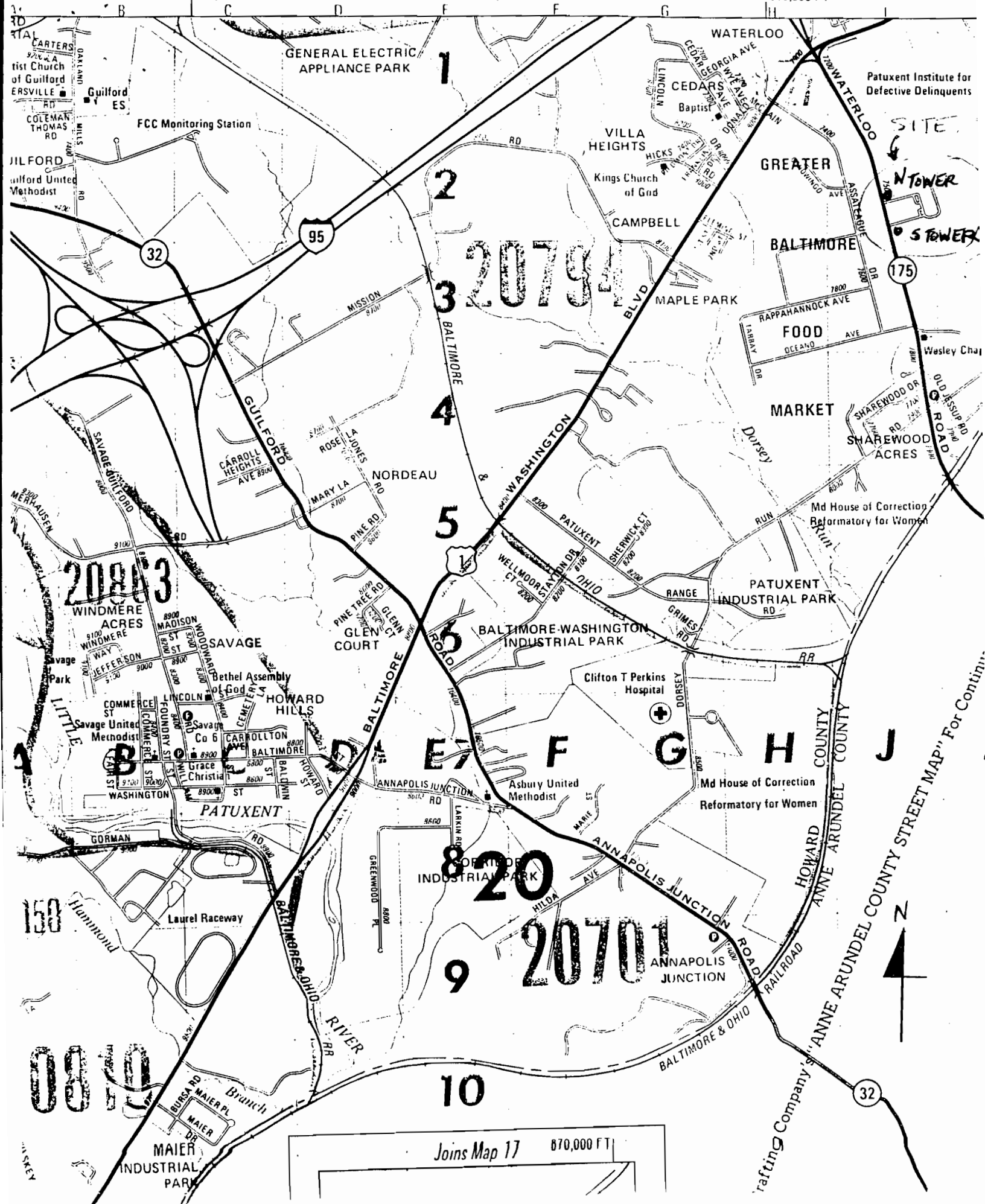
Enclosed is a site location map for your use. The site is located adjacent to the intersection of Route 1 and Route 175 in Jessup, Maryland.

If you have any further questions or need to reschedule the testing date, please call us.

Very truly yours,  
EARTH ENGINEERING & SCIENCES, INC.

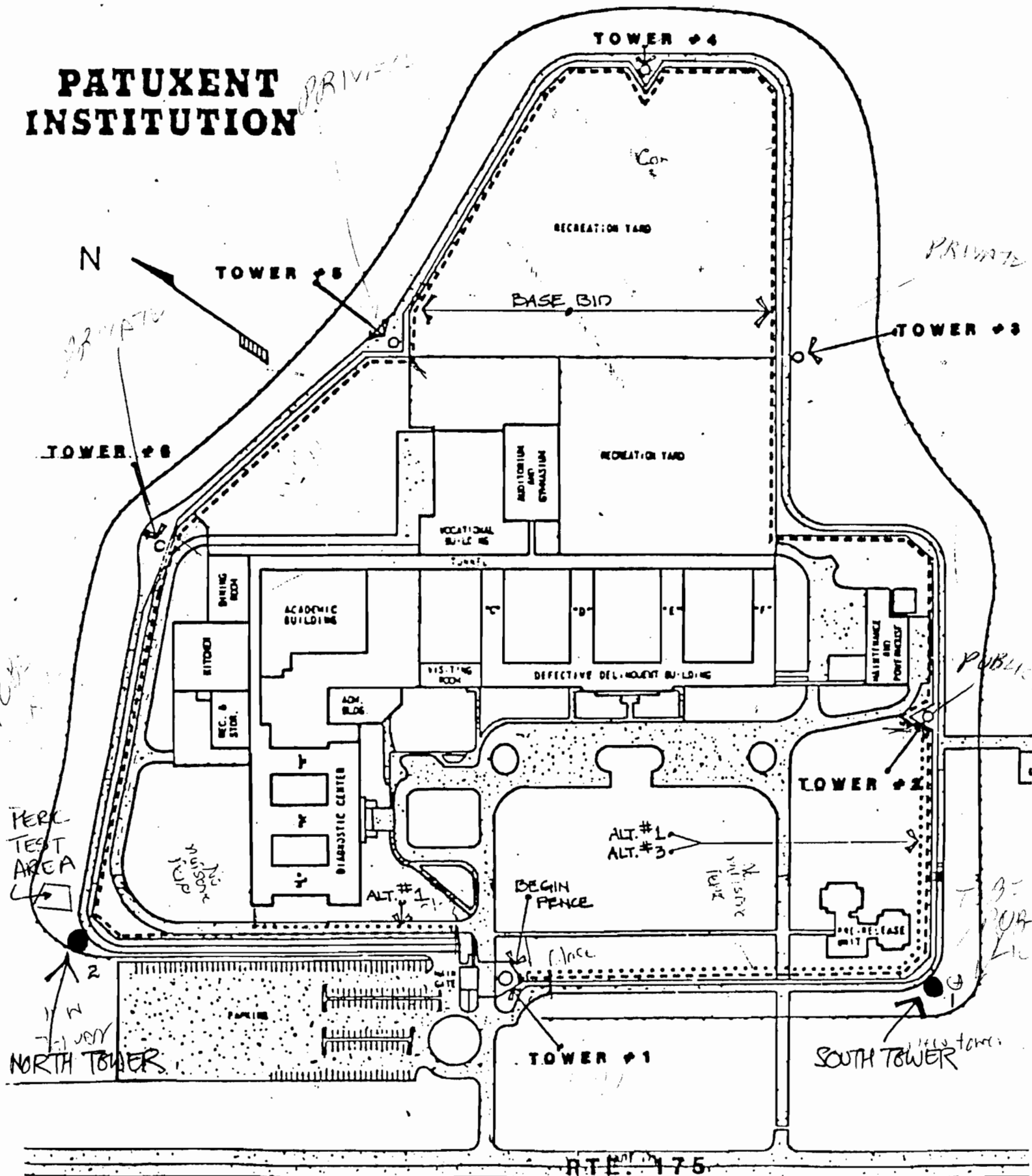
*Jane E. Nadeau*  
Jane E. Nadeau  
Geologist

Geotechnical • Inspection • Testing • Instrumentation • Soil/Rock Drilling



pp. 12-13

PRIVATE



March 10, 1986

Ms. Jane E. Nadeau  
Earth Engineering and Sciences, Inc.  
3401 Carlins Park Drive  
Baltimore, Maryland 21215

RE: Percolation Testing  
Patuxent Institution  
Guard Tower - North  
Route 175, Jessup

Dear Ms. Nadeau:

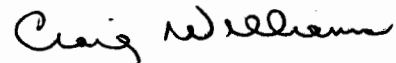
Percolation testing conducted February 28 1986 on the above referenced lot indicated satisfactory soil conditions.

Approval of the lot is contingent upon submission by a registered engineer of a plat showing certified test hole locations.

This should be submitted within sixty (60) days to allow field verification if necessary.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,



Craig Williams, Director  
Water and Sewerage Program

CW:JR