LAYOUT 4/23/02 10:00 INSP 4 _____

INSP 2 5/6/02 Final 1:00 INSP 5 _____

INSP 3 _____ INSP 6 _____

04-365747

ISSUE DATE: 4/17/2002 P 516933

APPROVAL DATE: 5/6/02 A 59946S

PERMIT

INDEXED

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

Miller Excavating Company, Inc IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 13850 W Old Baltimore Road, Boyds PHONE NUMBER: 310-349-4400

SUBDIVISION: Westwoods at Cherry Grove LOT NUMBER: 23

ADDRESS: 16948 Old Sawmill Rd PROPERTY OWNER: D.R. Horton, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED ☐

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED ☐

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 280

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Facing the property from the road, place the distribution box 75' from the left lot line and 85' from the rear lot line. Run trenches on contour.
NOTES:	Gravity basement service is proposed.

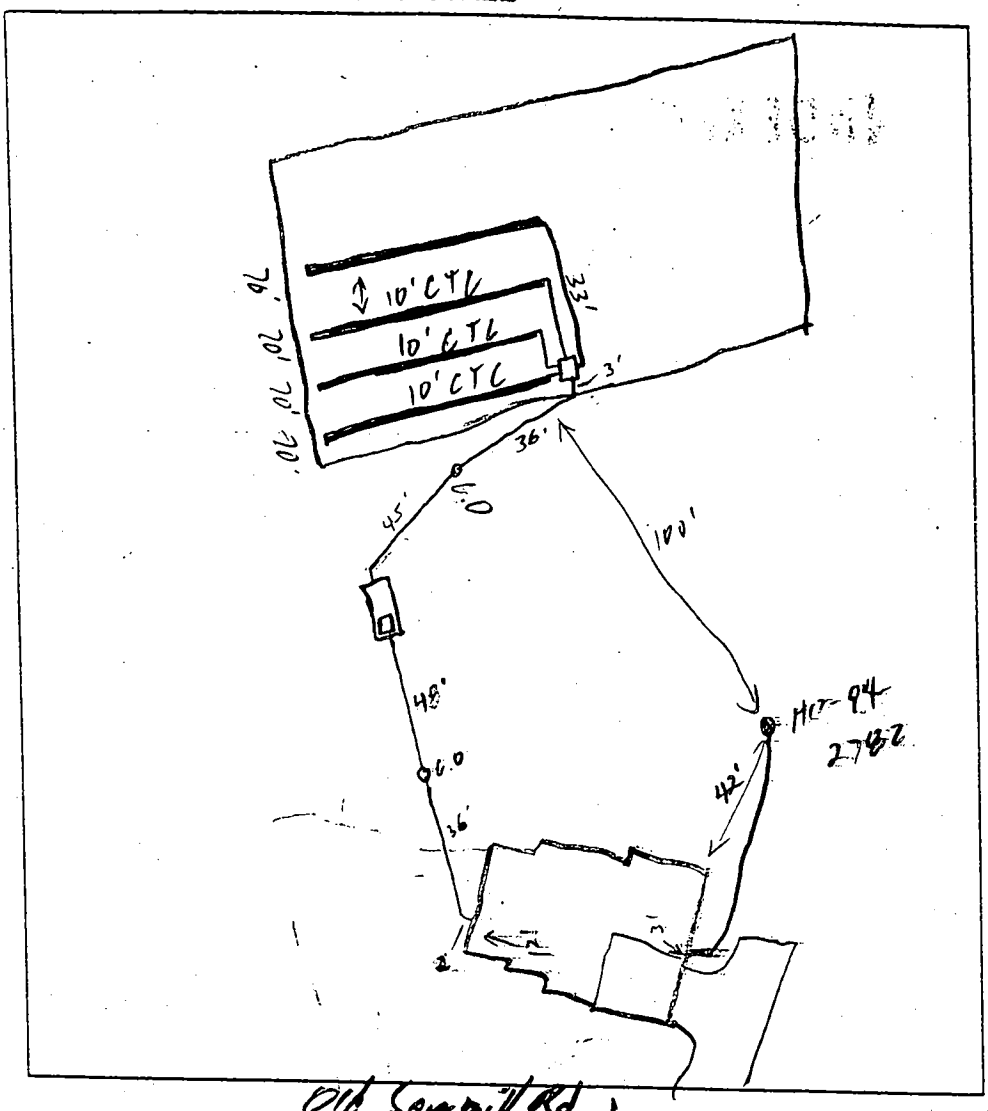
PLANS APPROVED: SRK OK SRK 1/14/02 DATE: 1/14/02

NOTE: PERMIT VOID AFTER 2 YEARS
NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

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
ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

A59946-S

NOT TO SCALE



Old Summit Rd

TRENCH DATA

TRENCH WIDTH 3'

TRENCH INLET DEPTH 3'

TRENCH BOTTOM DEPTH 5'

DEPTH OF STONE 2'

NUMBER OF TRENCHES 4

TOTAL TRENCH LENGTH 240

ABSORBENT AREA 720 ϕ

DISTRIBUTION BOX LEVEL ✓

BAFFLE IN DISTRIBUTION BOX ✓

SEPTIC TANK DATA

SEPTIC TANK 1500 TS GALLONS

MANHOLE RISER Front - 1'

6 INCH INSPECTION PORT N/A

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS

MANHOLE RISER

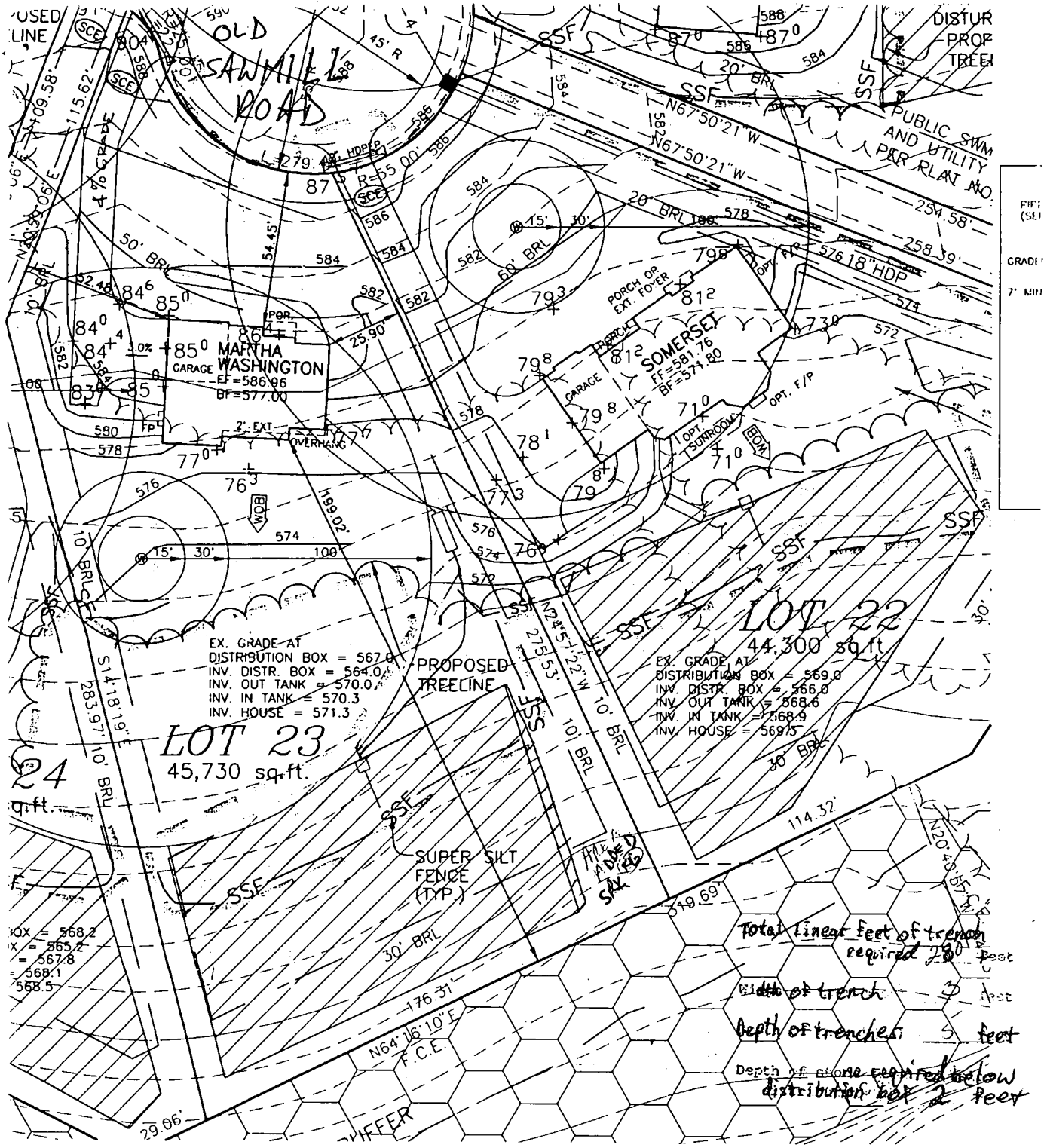
ALARM

PUMP PERFORMANCE TEST

PRE-CONSTRUCTION INSPECTION: 4/23/02 LAYOUT OK, (4) 70' TRENCHES ON LEFT SIDE OF SDA (MR)

INSPECTION COMMENTS: 5/6/02 OK to cover all work (SO)

INSPECTOR Steve Otto DATE SYSTEM APPROVED 5/6/02



Approved Septic System Plan
Howard County Health Department

1:50

Steve Krieg 4/17/02
Signature Date

1" BITUMINOUS CONCRETE SURFACE
3" BITUMINOUS CONCRETE BASE

FULL DEPTH BITUMINOUS CONCRETE

PAVING SECTION
NOT TO SCALE

...formity, and Civil Liberties, research-
...have conceived of tolerance as a will-
...ness to grant political and civil rights to
...ctionable groups.[3] Studies have shown
...two variables are critical to whether a
...on is tolerant. First, more tolerant indi-
...als perceive the threat from objection-
... groups as low; second, more tolerant
...viduals express a high level of support
...ch abstract democratic norms as the
... freedoms: speech, press, religion, and
...bly.

...fortunately, intolerance may be
...natural for people than tolerance. The
...ly effortless way in which people
... negative stereotypes and attribute
... to those who are stereotyped sug-
...that in the absence of strong efforts
...st it, intolerance is a natural and
...pattern in the human develop-
...process.[4] How can liberal democra-
...courage this process?

...arch indicates that education is the
...idote for intolerance.[5] And in
...public schools have been consid-
... critical institution for learning the
... that liberalism sees as essential
...cratic citizenship.[6] The public
... argument goes, is the sole in-
...that brings together citizens of
...thnicities, cultures, genders, so-
...ic strata, and conceptions of the
... good. The experience with di-
... public schools provide helps
...alize that people who differ
...ives are not inherently danger-
...d Riley, former secretary of
...ade this argument in a 1997

...on school"—the concept upon
... public school system was
... children important lessons
... commonality and diversity
... culture. These lessons are
... only through what is taught
...m, but by the very experi-
...ng school with a diverse

...lize that being different
...ng dangerous, they are
...od the civil and politi-
...d in the Constitution to
... differ from their own.
... advantage of public
... a major theme in the
...school choice. Numer-
...ose expanding choice
...hools claim that pri-
...ill not or cannot de-
... political tolerance

and concern for the common good.[9] Opponents of private school choice are especially critical of fundamentalist Christian schools.[10]

For example, David Blacker's 1998 article, "Fanaticism and Schooling in the Democratic State," maintains that fanatics should not be allowed to establish schools or to school their children at home.[11] Just who are Blacker's fanatics? They are members of right-wing militias and of some Christian fundamentalist sects. Blacker argues that members of these groups should not be allowed to control the education of children because they have world views that are so comprehensive and single-minded that their students will not learn to tolerate alternative world views, religions, and cultures. Blacker suggests that social scientists should determine which people are sufficiently fanatical that society should seek to protect children from their views. Past research on tolerance among adults indicates that Blacker's concern (though not his solution) may be well founded. Highly religious adults tend to be less tolerant than other adults, and evangelicals are less tolerant than members of other sects.[12]

Despite the frequency with which its advocates assert the superiority of the public schools, none of the key research that concerns either the development of tolerance or the effects of public schools has examined empirically whether public schools are more effective in teaching political tolerance. We sought to fill that gap by testing the model of tolerance development expressed in the writings of those who see private schools as inferior educators of democratic citizens. Its premise is that public schools, by virtue of their diversity, reduce the threat that students feel from those who are different. Diverse public schools also encourage respect for alternative cultures, religions, and world views, and this fosters support for democratic norms.[13] Hence, public schools promote greater tolerance among students than do private schools.

We tested the idea that experience with diversity is the key to teaching tolerance by studying 2,184 students in eighth-grade social studies classes in seven public and 24 private schools in New York City and Fort Worth, Texas.[14] We selected this age group because previous research suggests that students learn democratic values during adolescence and because a large percentage of private school students transfer into the public schools for their high school years.[15] Therefore, to capture the impact of private schools on the majority of students who attend them, it was necessary to examine students prior to their entrance into high school.

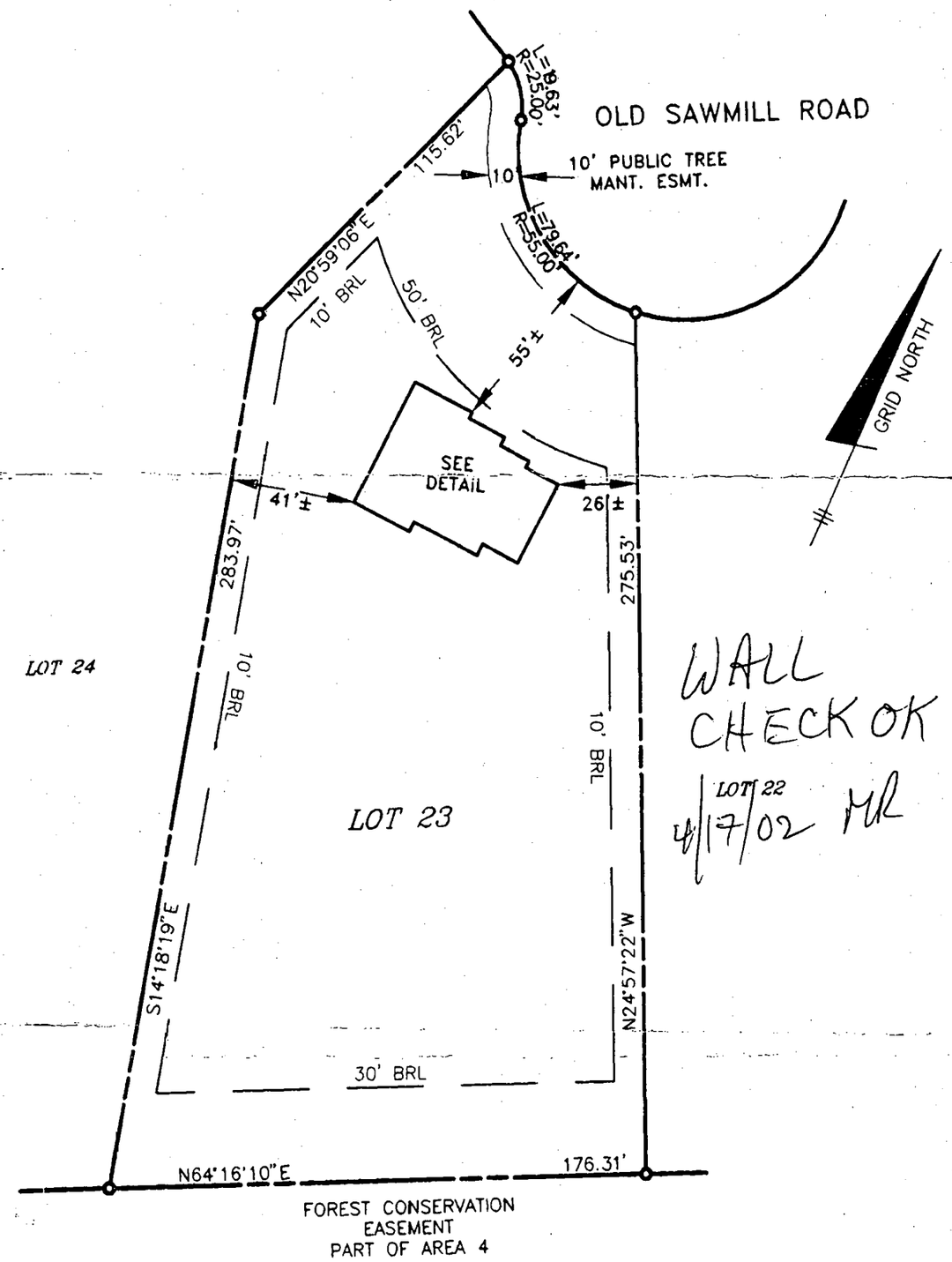
We administered a written questionnaire previously proven to reliably measure an individual's sense of perceived threat, support for democratic norms, and political tolerance.[16] Students first chose the political group that they liked least from among the following: American Nazis, the Ku Klux Klan, advocates for the rights of women, advocates for the rights of people of color, Christian fundamentalists, atheists, advocates for abortion rights, and opponents of abortion rights.[17] Students also had the option of naming a group that was not on the list.

Students then indicated their willingness to allow members of that group to make public speeches, to hold public demonstrations, and to teach in public schools. And students also indicated whether the government should tap the phones of group members or outlaw the group. We summed the responses to all these items to form a scale that indicated an individual student's level of political tolerance.

The questionnaire measured threat by the degree to which students believed their least-liked group was dangerous, bad, untrustworthy, and violent. The results of those questions were summed to form the threat scale. The survey also included items that measured a student's support for such democratic norms as free speech, and these items were summed to form a democratic norms scale.[18]

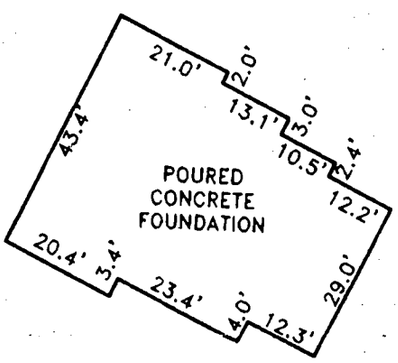
To ascertain the background characteristics of the students and their families, the survey included questions concerning parental income, education, and religiosity, as well as the student's gender, current grades, interest in politics, and self-esteem. To measure the interethnic climate in a school, the questionnaire asked students to indicate their level of agreement with two statements: "Students make friends with students of other racial and ethnic groups at my current school" and "Fights often occur between different racial and ethnic groups at my current school."

To test the hypothesis that greater diversity will lead to greater tolerance, we operationalized diversity by subtracting from 100 the percentage of the student population who belonged to the largest ethnic group in the student's classroom. For example, if a classroom was 80% Hispanic, the diversity score would be 20. If a classroom was 49% Hispanic and no other ethnic group was as large, the diversity



WALL CHECK OK
4/17/02 MR

TOP OF FOUNDATION WALL ELEV. = 585.5'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON FEB. 14, 2002; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY R.M. MOCHI GROUP, P.C. ENTITLED "THE WESTWOODS OF CHREEY GROVE", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 14809

DAVID M. HARRIS
REGISTERED PROFESSIONAL LAND SURVEYOR
MD REG. No. 10978
FOR BENCHMARK ENGINEERING, INC.
MD REG. No. 351
RECORD PLAT No. 14809
FEMA FIRM No. 240044 0013 B
ZONE: C
DATED: 12/04/86

STATE OF MARYLAND
DAVID MICHAEL HARRIS
NO. 10978
REGISTERED
PROFESSIONAL LAND SURVEYOR
02/27/02

BENCHMARK
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLICOTT CITY, MARYLAND 21043
phone: 410-465-6105 ▲ fax: 410-465-6644
email: Benchmrk@aol.com

FOUNDATION DETAIL

SCALE: 1" = 30'

WALL CHECK

THE WESTWOODS OF CHERRY GROVE

LOT 23

16948 OLD SAWMILL ROAD

4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: 2-14-02

5/7/02
AM

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL.: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Ben Lewis Inc Telephone #: 3014883500
Address: 23407 Prelude Ave
Clarksburg Md 20871

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Frank Denkler License# 17867
***A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.**

Name of Property Owner: D R Horton Inc Telephone #: 3016206174
Subdivision: Cherry Grove Lot #: 23 Well Tag # : HO - ___ - ___
Site Address: 10942 Oak Summit Ln
Woodbine Md

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: Goulds	Make: Caspell	Two piece watertight cap: ✓
Model #: ___	Model#: ___	Screened, vented well cap: ___
Pump Capacity 13 GPM	Depth: 42 (36" min)	Cap secured to casing: ___
Well Yield: 4 GPM	NSF approved: ___	Conduit min 18" B.G.: ✓
Depth of well encountered at time of pump installation: 293 (feet)		Conduit secured to well cap: ✓

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required – Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt ✓

Piping to house	House Connection
Type: SR 1"	PVC sleeved to undisturbed soil at wall penetration: ✓
PSI: 200 (160 psi min)	Approximate length of sleeve: 36"
Depth of supply line: 36 (36" min)	Sleeve caulked and sealed properly: ✓

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation — date 5/6/02

For Health Department Use Only – Not to be completed by Installer

Date Insp. Requested: ___ Date Insp. Approved: 5/7/02 SO

Inspection Data:

Pitless adapter and water supply line at least 36" below grade	✓
Two piece cap installed and attached to casing securely	✓
Elec. conduit extends at least 18" below grade/attached to cap properly	✓
Safety rope installed inside of well casing	✓
Correct well tag attached properly and casing 8" above finished grade	✓
Water supply line sleeved adequately at house connection	✓
Adequate grout observed below pitless adapter	✓

C 1 · 07871 — SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED: 10/25/00

COUNTY NUMBER: OK (BB) SRH

ST/CO USE ONLY
DATE Received MM DD YY

DATE WELL COMPLETED: MM 10 DD 5 YY 2000

Depth of Well: 340 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL": HO-94-2782

OWNER: GROUSEMONT DEVELOPMENT LLC

STREET OR RFD: OLD SAWMILL RD (last name / first name) TOWN: LISBON

SUBDIVISION: WESTWOODS AT CHERRY GROVE SECTION: LOT: ~~49~~ 23

WELL LOG
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET FROM	FEET TO	check if water bearing
Brown Shale	0	95	
Blue Rock	95	340	✓

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: yes [Y] no [N]

CIRCLE APPROPRIATE LETTER
- A — A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
- E — ELECTRIC LOG OBTAINED
- P — TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO.: MSD024

Joseph L Mayne
DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO.: __D___

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box): yes [Y] no [N]

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT [CM] BENTONITE CLAY [BC]

NO. OF BAGS 25 NO. OF POUNDS 2350

GALLONS OF WATER 150

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. TOP to 90 ft. BOTTOM
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below:
[ST] STEEL [CO] CONCRETE [PL] PLASTIC [OT] OTHER

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)
ST	6	100

EACH CASING — OTHER CASING (if used)

	diameter inch	depth (feet) from	to

SCREEN RECORD
screen type or open hole — insert appropriate code below:
[ST] STEEL [BR] BRASS BRONZE [HO] OPEN HOLE [PL] PLASTIC [OT] OTHER

C 2

DEPTH (nearest ft.)

EACH SCREEN			
1	HO	97	340
2			
3			

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN ____ (NEAREST INCH)

	from	to
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68		

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W Q

TELESCOPE CASING ____ LOG INDICATOR ____ OTHER DATA ____

C 3

PUMPING TEST
HOURS PUMPED (nearest hour): 3

PUMPING RATE (gal. per min.): 6 •

METHOD USED TO MEASURE PUMPING RATE: Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING: 31 ft.

WHEN PUMPING: 163 ft.

TYPE OF PUMP USED (for test)
- [A] air
- [P] piston
- [T] turbine
- [C] centrifugal
- [R] rotary
- [O] other (describe below)
- [J] jet
- [S] submersible

PUMP INSTALLED
DRILLER INSTALLED PUMP (CIRCLE) (YES or NO): YES (NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.

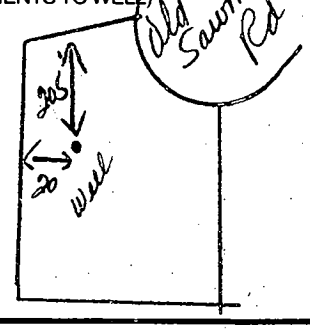
CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)
[+] above LAND SURFACE
[−] below
3 (nearest foot)

LOCATION OF WELL ON LOT
SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



EMERGENCY/TEMP NO. IF ANY

B 1 5974 — SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL

Please print or type

W5141514

STATE PERMIT NUMBER: Ho -94 -2782

fill in this form completely

Date Received (APA)

OWNER INFORMATION

Grovemont Development LLC (Last Name / Owner / First Name)

P.O. Box 417 (Street or RFD)

Ellicott City Md 21041 (Town / State / Zip)

DRILLER INFORMATION

Joseph L Mayne M S D024 (Driller's Name / License No.)

Joseph L. Mayne Well Drilling (Firm Name)

5512 Ridge Rd Mt. Airy 21771 (Address)

Joseph L Mayne 7/26/2000 (Signature / Date)

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- (D) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- [F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION
- [I] INDUSTRIAL, COMMERICIAL, DEWATERING
- [P] PUBLIC WATER SUPPLY WELL
- [T] TEST, OBSERVATION, MONITORING
- [G] GEO-THERMAL

APPROXIMATE DEPTH OF WELL: 300 FEET

APPROXIMATE DIAMETER OF WELL: 6 NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) — JETTED — Jetted & DRIVEN

(AIR-ROTary) — AIR-PERcussion — ROTARY (Hydraulic Rotary)

CABLE — REVerse-ROTary — DRive-POINT

other

REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX)

- (N) THIS WELL WILL NOT REPLACE AN EXISTING WELL
- [Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- [D] THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE)

B 3 LOCATION OF WELL

Howard (COUNTY)

The Westwoods Of Cherry Grove (SUBDIVISION)

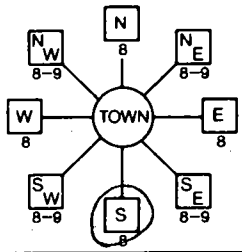
SECTION ____ LOT 19

Lisbon (NEAREST TOWN)

MILES FROM TOWN (enter 0 if in town): 5 M I

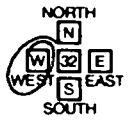
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Old Sawmill Rd. (NEAR WHAT ROAD)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD: 140 — ENTER FT OR MI: Ft

TAX MAP: ____ BLK: ____ PARCEL ____

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD (COUNTY NAME) — 13 (COUNTY NO.)

STATE SIGNATURE: ____ INSERT S →

DATE ISSUED: 08 09 00 — CO SIGNATURE: C. Wilson — EXP. DATE: 8/8/01

NORTH GRID: 531 000 — EAST GRID: 0771 000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

10/5/00 grout after 6 PM @ 9:00

SOURCES OF DRILLING WATER
1. Well
2.
3.

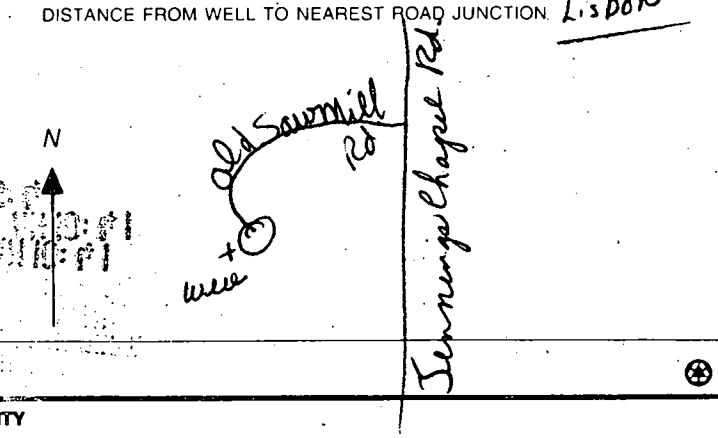
WRITE THE BOX NUMBER FROM THE MAP HERE

E 770'

N 530'

000 x
000

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION.



Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER

PERMIT NO. Ho - 94 - 2782

70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

DENV-Permit 97

② COUNTY

APPLICATION

PERCOLATION TESTING

A 59946

P _____

DISTRICT _____

DATE _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

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 MARSHALL W. NICHOLS

ADDRESS 2937 JENNINGS CHAPEL ROAD WOODBINE, MD 21797 PHONE _____

AGENT OR PROSPECTIVE BUYER DAVID E. WILKINSON @ MACRO LTD. REAL ESTATE SERVICES

ADDRESS 5301 BUCKEYSTOWN PIKE, SUITE 300 FREDERICK, MD 21704 PHONE (301) 698-9696

PROPERTY LOCATION:

IBDIVISION NICHOLS' PROPERTY LOT NO. _____

ROAD AND DESCRIPTION JENNINGS CHAPEL ROAD, HOWARD COUNTY

TAX MAP 13 PARCEL # P/O 46

SIZE OF LOT 40,000 - 60,000 Sq. ft. TYPE BLDG. SINGLE FAMILY DWELLING
(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. X _____
(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

HD-216 (3/92)

NICHOLS SUBD.

A59946
COUNTY #

SOIL PROFILE 25A

0'

CLAY

4 —

YELLOWISH MICA SILT LOAM

20% GRAVEL

1½

NO 25E NOTED

CLAY

2 —

YELLOW/REDDISH MICA SILT LOAM

GLEYED GRAVELLY

25F (NOTED)

CLAY

4 —

MICA SILT LOAM

10% GRAVELLY

10 —

SOIL PROFILE

0'

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
4/16 ✓	25A	3½	1:55	2:25	2:25	SLOW	
		VISOK	@ 4"				
X	25B	ABANDONED BY CONTRACTOR					
✓	25E	3'	1:57	2:08	2:08	2:20	12 MIN
	BETWEEN 25B & 26			OK TO 10' ONLY			
+ ✓	25F	3½	SLOW				
		5	2:32	2:35	2:35	2:39	4 MIN

REMARKS MINI-SWALE BETWEEN 25A & 23C

TYPE OF SOIL

TESTED BY CWellman ALSO PRESENT SHARA

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

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 MARSHALL W. NICHOLS

ADDRESS 2937 JENNINGS CHAPEL ROAD WOODBINE, MD 21797 PHONE _____

AGENT OR PROSPECTIVE BUYER DAVID E. WILKINSON @ MACRO LTD. REAL ESTATE SERVICES

ADDRESS 5301 BUCKEYSTOWN PIKE, SUITE 300 FREDERICK, MD 21704 PHONE (301) 698-9696

PROPERTY LOCATION:

SUBDIVISION NICHOLS' PROPERTY LOT NO. _____

ROAD AND DESCRIPTION JENNINGS CHAPEL ROAD, HOWARD COUNTY

TAX MAP 13 PARCEL # P/O 46

SIZE OF LOT 40,000 - 60,000 Sq. ft. TYPE BLDG. SINGLE FAMILY DWELLING
(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. X _____
(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

HD-216 (3/92)

NICHOLS SUBD.

A59946
COUNTY #

SOIL PROFILE
0' 24C/27B

CLAY

3

MICA LOAM

20%
SAPPROLITE
&
BOULDERS

11

26B/25C

CLAY

3

YELLOW MICA SILT LOAM

OCCASSIONAL LARGE BOULDERS BUT OK

11

26E (NO #)

CLAY

3

TAN MICA 25% SAPPROLITE

SNAGS & MOTTLED @ 11'

SOIL PROFILE
0'

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
4/16/98X	24C/27B	3½	2:35	2:38	2:38	2:45	7 MIN
	26B/25C	4'	2:43	2:48	2:48	2:55	7 MIN
	26C	NOT DUG - ACROSS SWALE FROM RGT OF AREA					
	26E	3'	2:47	2:52	2:52	2:58	6 MIN
		DUG AT EDGE OF SWALE					

REMARKS _____

TYPE OF SOIL _____

TESTED BY C Wells ALSO PRESENT SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

NICHOLS SUBD.

A59946

COUNTY #

SOIL PROFILE 25D/26A

0'

CLAY

YELLOW BROWN MICA LOAM

6

20% SHALE

YELLOW SANDY

26D

RED BROWN CLAY

RED BROWN MICA LOAM

27F

6

YELLOW SHALE

9

27E

SOIL PROFILE

0'

CLAY LOAM

3

SANDY LOAM

POCKETS 20% SAPROLITE

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
4/16/98	25D/26A	3½'	2:57	3:00	3:00	3:05	5 MIN
	26D	3½	3:01	3:03	3:03	3:08	5 MIN
	27E		3:04	3:06	3:06	3:11	5 MIN
		QUESTIONABLE - REEVALUATE ON AUDIO					
	27F	3½	3:05	3:07	3:07	3:09	

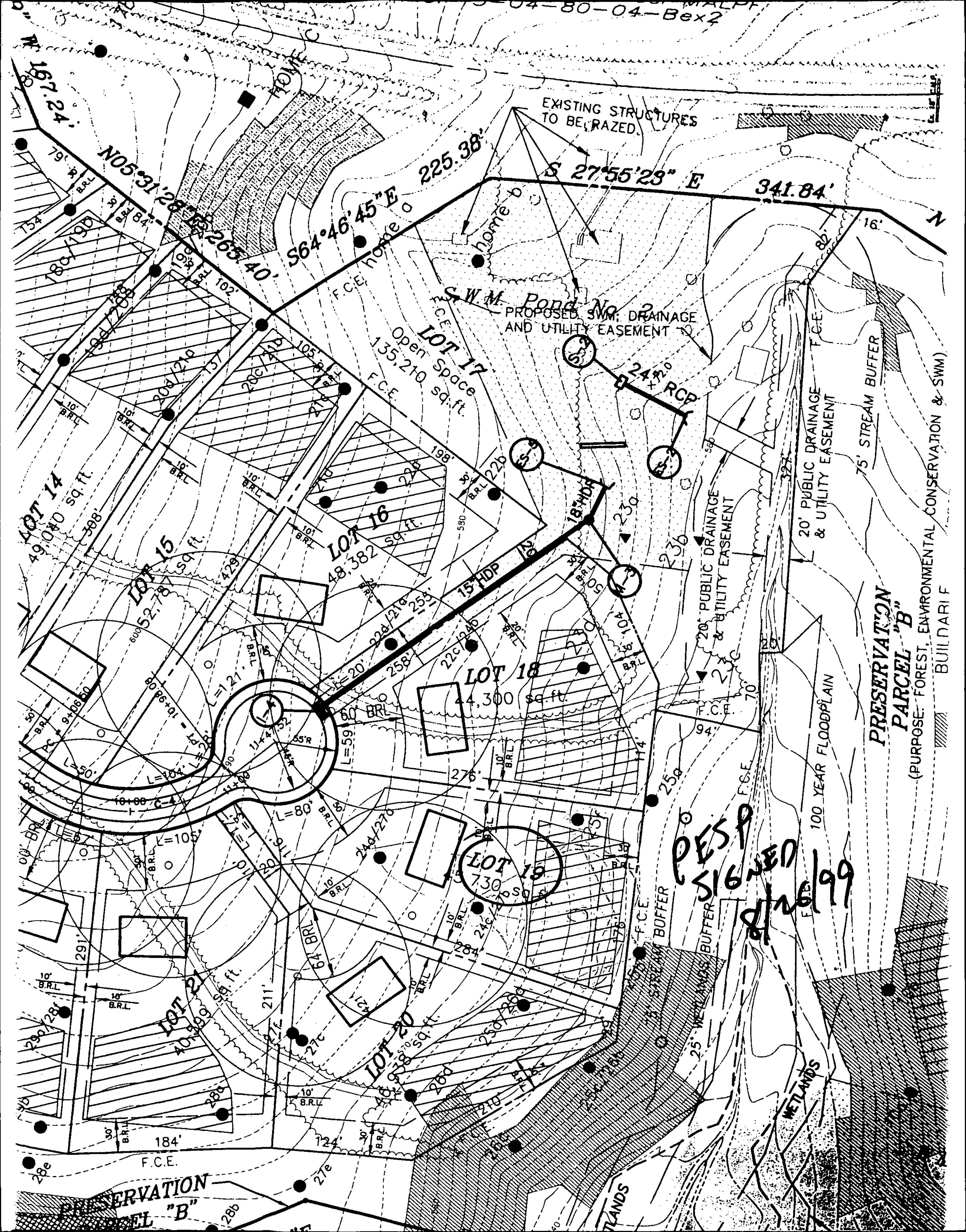
REMARKS _____

TYPE OF SOIL _____

TESTED BY CWilliams ALSO PRESENT SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



04-80-04-Bex2
EXISTING STRUCTURES TO BE RAZED
N05°31'28"E 265.40'
S64°46'45"E 225.38'
S 27°55'23" E 341.84'
S.W.M. Pond No. 2
PROPOSED SWM, DRAINAGE AND UTILITY EASEMENT
LOT 17
Open Space
135,210 sq.ft.
F.C.E.
24" RCP
18" HDP
15" HDP
LOT 14
49,040 sq.ft.
LOT 15
52,787 sq.ft.
LOT 16
48,382 sq.ft.
LOT 18
44,300 sq.ft.
LOT 19
LOT 20
LOT 21
20' PUBLIC DRAINAGE & UTILITY EASEMENT
75' STREAM BUFFER
100 YEAR FLOODPLAIN
PRESERVATION PARCEL "B"
(PURPOSE: FOREST, ENVIRONMENTAL CONSERVATION & SWM)
25' WETLANDS BUFFER
WETLANDS
PRESERVATION PARCEL "B"
PESP SIGNED 8/26/99

WL2	66.27	S82°22'09"E
WL3	45.34	S71°58'36"E
WL4	46.81	S79°48'41"E
WL5	24.99	S79°21'47"E
WL6	10.22	S76°08'38"E
WL7	4.26	S45°11'23"E
WL8	56.50	N81°00'28"W
WL9	63.23	N74°14'35"W
WL10	51.67	N83°48'15"W
WL11	49.87	N88°04'37"W
WL12	54.53	N77°42'55"E
WL13	31.55	N76°45'25"E
WL14	22.55	S65°15'26"E
WL15	81.30	S54°49'15"E
WL16	26.83	N81°23'22"E
WL17	113.68	N63°15'11"E
WL18	42.73	N60°32'45"E
WL19	16.63	S32°18'35"E
WL20	59.79	S37°59'19"W
WL21	64.91	S44°29'49"W
WL22	49.34	S83°56'14"W
WL23	44.98	N89°47'11"W
WL24	36.49	S46°41'29"W
WL25	30.79	S22°42'59"W
WL26	81.09	S64°24'54"W

FLOODPLAIN TABLE		
Line	Length	Bearing
FP1	9.64	N81°37'46"E
FP2	184.44	N85°08'38"E
FP3	135.07	N64°38'55"E
FP4	164.48	N66°03'05"E
FP5	86.52	N56°45'23"E
FP6	19.97	S35°03'40"E
FP7	47.68	S76°55'38"E
FP8	226.54	S63°13'53"W
FP9	165.40	S57°03'16"W
FP10	5.49	S73°07'20"W
FP10	66.19	S73°07'20"W
FP11	137.09	S87°49'15"W

LOT TABULATION

TOTAL No. OF LOTS AND/OR PARCELS - 18

- Buildable Lots - 13
- Open Space - 1
- Buildable Preservation Parcel - 1
- Non-Buildable Preservation Parcels - 2
- Parcels to be conveyed to adjacent owner - 1

TOTAL AREA OF LOTS AND/OR PARCELS

SUBMITTED FOR REVIEW