

LAYOUT 7/16/02 10:30 INSP 4 \_\_\_\_\_  
 INSP 2 7/22/02 10:00 INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

01-365755

ISSUE DATE: 6/27/2002

APPROVAL DATE: 7/22/02

**PERMIT INDEXED**

P 517334

A 59946T

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

Miller Excavating Company, Inc IS PERMITTED TO INSTALL  ALTER

ADDRESS: 18115 Sellman Road, 20842 PHONE NUMBER: 301-349-4400

SUBDIVISION: Westwoods at Cherry Grove LOT NUMBER: 24

ADDRESS: 16944 Old Sawmill Road PROPERTY OWNER: JOHN LAING

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: 180

LINEAR FEET OF TRENCH REQUIRED: 240

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 lot from the road (facing south), place the distribution box 90' from the left lot line and 80' from the rear lot line as shown on the plan. Place trenches on contour.
NOTES:	Gravity basement service is proposed.

PLANS APPROVED: SRK/KG OK SRK 2/19/02 DATE: 2-12-02

- 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

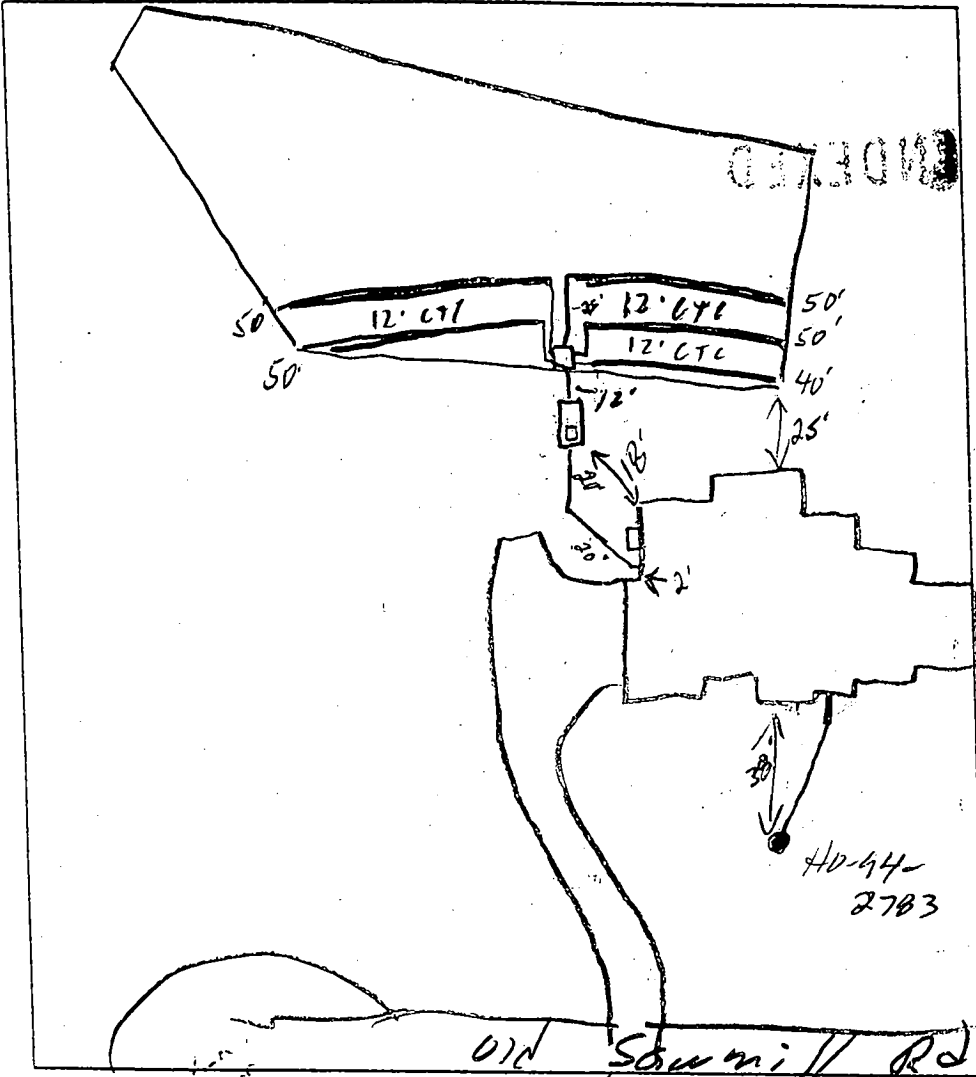
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

**BUILDING PERMIT SIGNED AND RETURNED**

8/13/2002 800137934 1000 gal UG PROPANE TANK  
 10/30/2002 800139117 CONCRETE, INGROUND POOL  
 3-27-03 800140899-DECK

AS9946-7

NOT TO SCALE



**TRENCH DATA**

TRENCH WIDTH 3'  
 TRENCH INLET DEPTH 3'  
 TRENCH BOTTOM DEPTH 5'  
 DEPTH OF STONE 2'  
 NUMBER OF TRENCHES 5  
 TOTAL TRENCH LENGTH 240'  
 ABSORBENT AREA 220 sq  
 DISTRIBUTION BOX LEVEL   
 BAFFLE IN DISTRIBUTION BOX

**SEPTIC TANK DATA**

SEPTIC TANK 1250 TS GALLONS  
 MANHOLE RISER Front  
 6 INCH INSPECTION PORT

**PUMP CHAMBER DATA**

PUMP CHAMBER GALLONS \_\_\_\_\_  
 MANHOLE RISER N/A  
 ALARM \_\_\_\_\_  
 PUMP PERFORMANCE TEST \_\_\_\_\_

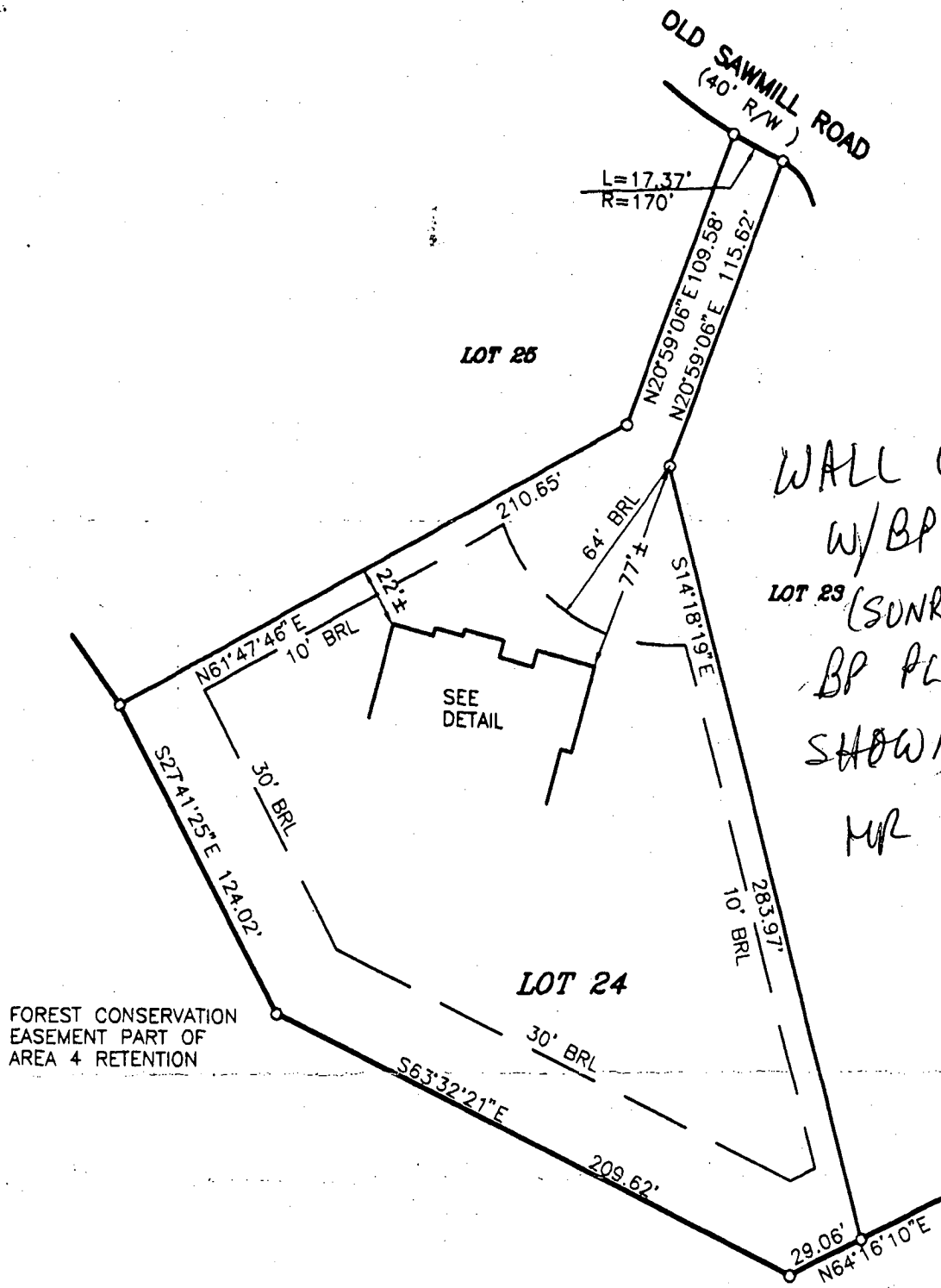
PRE-CONSTRUCTION INSPECTION: 7/16/02 Lot staked, contours appear as shown, house conn changed, no effect. Lay per B.P (1) 40', (4) 50' trenches (SU)

INSPECTION COMMENTS: 7/22/02 OK to cover all work (SU)

INSPECTOR [Signature]

DATE SYSTEM APPROVED 7/22/02

BUILDING PERMIT SIGNED AND RECEIVED



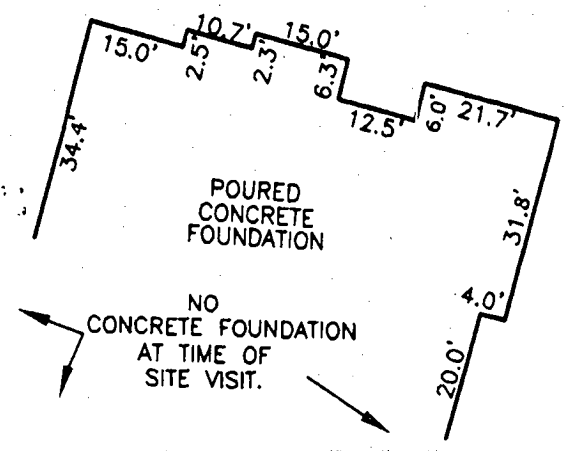
WALL CHECK OK  
 W/BP PLAN  
 LOT 29 (SUNROOM ON  
 BP PLAN NOT  
 SHOWN)  
 MR 6/27/02

FOREST CONSERVATION  
 EASEMENT PART OF  
 AREA 4 RETENTION

TOP OF FOUNDATION WALL ELEVATION = 579.9'  
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'.0

**SURVEYOR'S CERTIFICATE**

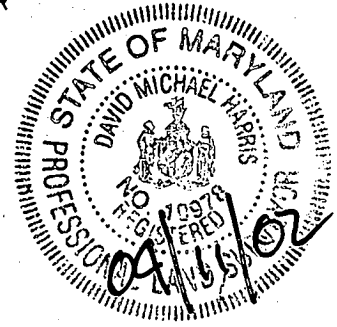
I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 04/10/02; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY BENCHMARK ENGINEERING, INC. ENTITLED "THE WOODS OF CHERRY GROVE", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No.14809



**FOUNDATION DETAIL**

SCALE: 1" = 30'

*David M. Harris*  
 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

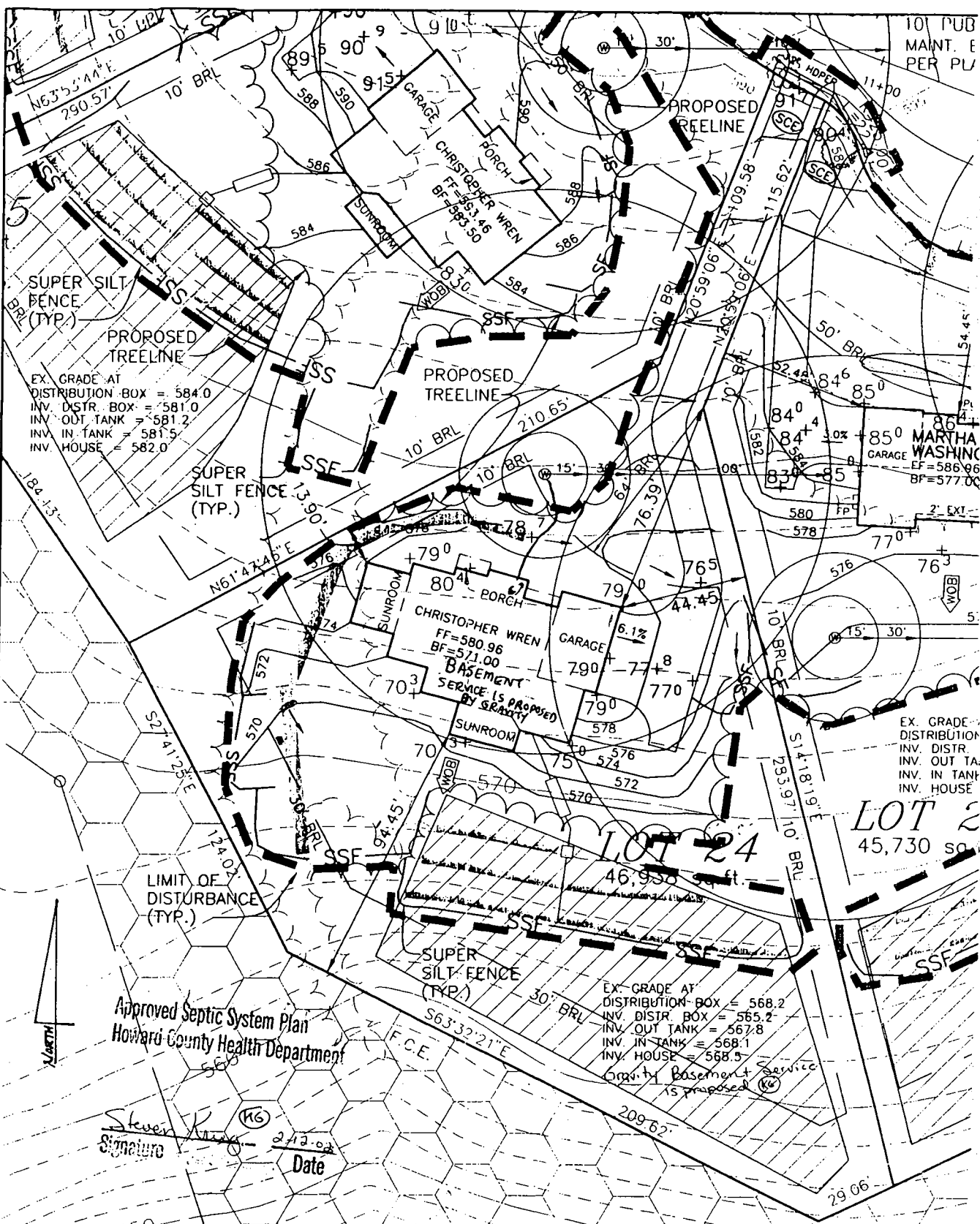


**BENCHMARK**  
 ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE A SUITE 418  
 ELICOTT CITY, MARYLAND 21043  
 phone: 410-485-6100 A fax: 410-485-8844  
 email: Benchmark@bce.com

**WALL CHECK  
 THE WOODS OF  
 CHERRY GROVE  
 LOT No. 24**

1694 OLD SAWMILL ROAD  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 60' DATE: 04/10/02



EX. GRADE AT  
 DISTRIBUTION BOX = 584.0  
 INV. DISTR. BOX = 581.0  
 INV. OUT TANK = 581.2  
 INV. IN TANK = 581.9  
 INV. HOUSE = 582.0

MARTHA WASHINGTON  
 GARAGE  
 EF = 586.66  
 BF = 577.00

CHRISTOPHER WREN  
 FF = 580.96  
 BF = 571.00  
 BASEMENT SERVICE IS PROPOSED BY SEPTIC

EX. GRADE AT  
 DISTRIBUTION BOX = 576  
 INV. DISTR. BOX = 573  
 INV. OUT TANK = 573  
 INV. IN TANK = 573  
 INV. HOUSE = 573

EX. GRADE AT  
 DISTRIBUTION BOX = 568.2  
 INV. DISTR. BOX = 565.2  
 INV. OUT TANK = 567.8  
 INV. IN TANK = 568.1  
 INV. HOUSE = 568.5  
 Serv. by Basement Service is proposed

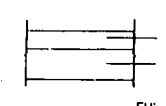
Approved Septic System Plan  
 Howard County Health Department

Signature: *Steven King* (MK)  
 Date: 2/12/02

FOREST CONSERVATION: Total linear feet of trench required 240 feet

1:50  
 PLAN BY BENCHMARK

Width of trench(es) 3 feet  
 Depth of trench(es) 5 feet  
 Depth of stone required below distribution pipe 2 feet



FU  
 DAY

**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: Bentley's Telephone #: 3014883500  
Address: 23407 Freedom Rd  
Chesapeake, 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 HINICL 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 #: 670 6144  
Subdivision: Cherry Grove Lot #: 24 Well Tag #: HO-99-2783  
Site Address: 16949 Old Slocum Rd  
Woodbine, md

<b>Submersible Pump Data</b>	<b>Pitless Adapter</b>	<b>Well Cap and Electric Conduit</b>
Make: <u>Dunk</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: _____	Model#: _____	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>1/2</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>4.5</u> GPM	NSF approved: <input checked="" type="checkbox"/>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>120</u> (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

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

<b>Piping to house</b>	<b>House Connection</b>
Type: <u>1" PEX</u>	PVC sleeved to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>
PSI: <u>200</u> (160 psi min)	Approximate length of sleeve: _____
Depth of supply line <u>36</u> (36" min)	Sleeve caulked and sealed properly: <input checked="" type="checkbox"/>

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: [Signature] date: 6/21/02

**For Health Department Use Only - Not to be completed by Installer**

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 7/18/02 [Signature]  
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

7/15/02 House conn still buried & bricks on top of well line [Signature]  
7/18/02 House conn unjourved. Bricks still on line. Spoke w/ rep in sales office. [Signature]

6/24/02 10:00  
7/18/02 AM  
7/15/02 10 AM

C1 07872

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. ON 5/21/00

COUNTY NUMBER

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED MM DD YY

10 5 00

22 225 26 (TO NEAREST FOOT)

HO-94-2783

OWNER GROVEMONT DEVELOPMENT LLC STREET OR RFD OLD SAWMILL RD. TOWN LISBON SUBDIVISION WESTWOODS AT CHERRY GROVE SECTION LOT 20

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (B) NO. OF BAGS 25 NO. OF POUNDS 2350 GALLONS OF WATER 150 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 64 ft.

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 34 ft. WHEN PUMPING 51 ft. TYPE OF PUMP USED (for test) S submersible

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: Brown Shale 0 64, Blue Rock 64 225.

CASING RECORD

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 69

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

SCREEN RECORD

screen type or open hole (S) (B) (H) (P) (O) DEPTH (nearest ft.) 66

DEPTH (nearest ft.) 225. Includes slot size and diameter of screen information.

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES) (NO) TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above } LAND SURFACE } - below } 3 (nearest foot)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER 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...

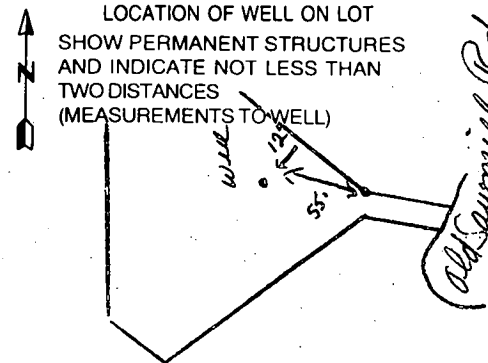
DRILLERS LIC. NO. 1 M SDO 24 DRILLERS SIGNATURE Joseph E. Mayne LIC. NO. 1 D

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

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

TELESCOPE CASING LOG INDICATOR OTHER DATA



# 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  
2937 JENNINGS CHAPEL ROAD  
ADDRESS WOODRINE, MD 21797 PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER DAVID E. WILKINSON @ MACRO LTD. REAL ESTATE SERVICES  
5301 BUCKEYSTOWN PIKE, SUITE 300  
ADDRESS 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/0 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.  [Signature]  
(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

MCHOLS SUBO.

A59946

COUNTY #

SOIL PROFILE

250/26A

0' CLAY

YELLOW BROWN MICA LOAM

6' 20% SHALY

9' 40% SHALY

260

RED BROWN CLAY

RED BROWN MICA LOAM

27E

(20%)

VEIN

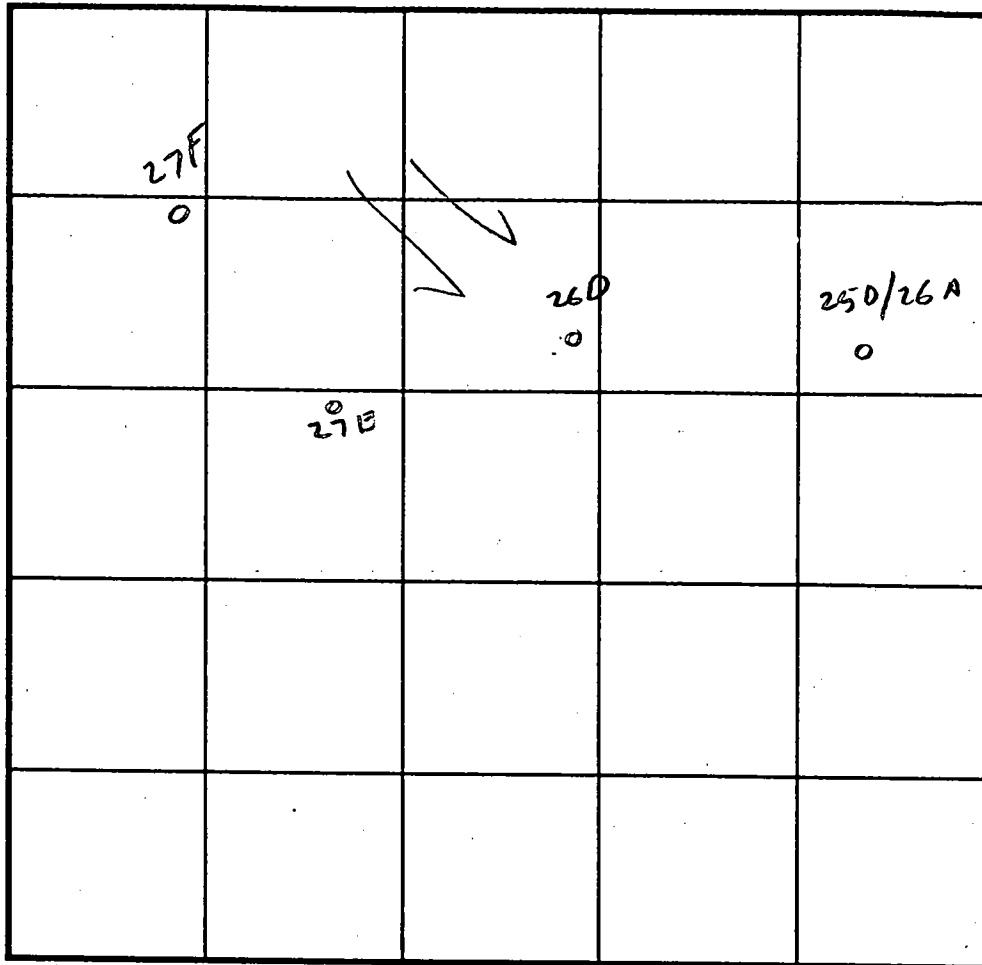
SAPROPHITE

27E SOIL PROFILE

0' CLAY LOAM

3' SANDY LOAM

POCKETS 20% SAPPROPHITE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/16/98	✓ 250/26A	3 1/2'	2:57	3:00	3:00	3:05	5 min
	✓ 260	3 1/2'	3:01	3:03	3:03	3:08	5 min
	✓ 27E		3:04	3:06	3:06	3:10	4 min
		QUESTIONABLE - RE-EVALUATE			OR AVOID	RESULTS	
	✓ 27E	3 1/2'	3:05	3:07	3:07	3:09	

REMARKS 27E RE-EVALUATED BY KM. 5/21/98 - OK

TYPE OF SOIL

TESTED BY

Cwellha

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  
24C/27B

0'

3'

11'

CLAY  
MICA  
LOAM  
20%  
SAPROLITE  
+  
BOULDER

26B/25C

3'

11'

CLAY  
VARIABLE  
MICA SILT  
LOAM  
OCCASIONAL  
LARGE  
BOULDER  
BUT OK

26E (NO)

3'

CLAY  
TAN  
MICA  
20%  
SAPROLITE  
SMALL  
MOTTLED  
11'


SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/16/98	24C/27B	3 1/2'	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 - AC	2:55	5:45	5:45	5:45	NOT TESTED
	26E	3'	2:47	2:52	2:52	2:58	6 MIN
		DUG AT EDGE OF SWALE					

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY C. Will ALSO PRESENT SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

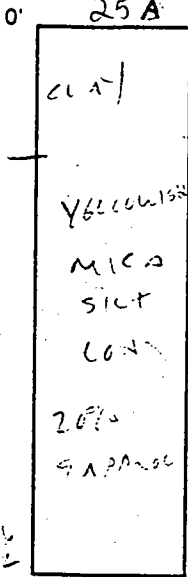
NICHOLS SUBD.

15994.6

COUNTY #

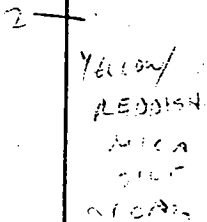
SOIL PROFILE

25A



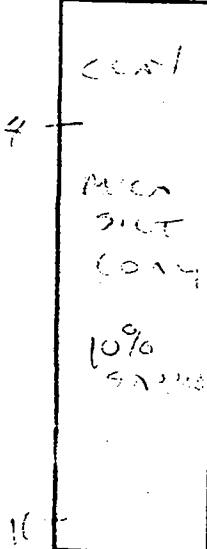
25E notes

clay

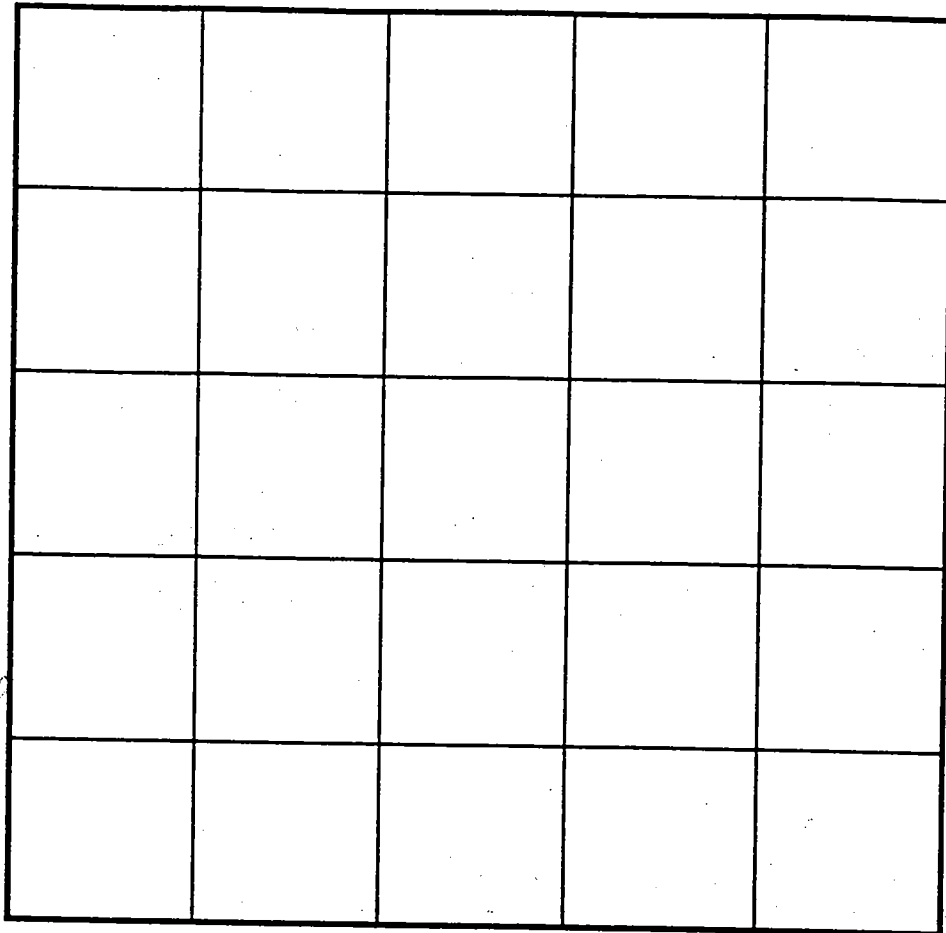
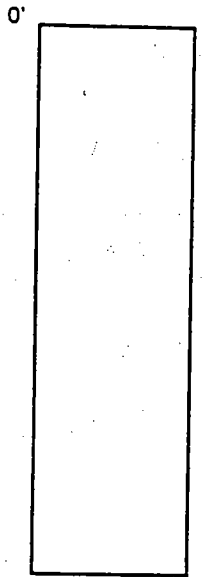


10' GLEVED SANDSTONE

25F (100%)



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/16	25A	3 1/2'	1:55	2:25	2:25	5:00	
		VIOL @ 4'					
	25B	ABANDONED BY CONTRACTOR					
	25E	3'	1:57	2:08	2:08	2:20	12 MIN
		GETTING 25B + 26					
	25F	3 1/2' (100%)					
		5'	2:32	2:45	2:45	2:39	4 MIN

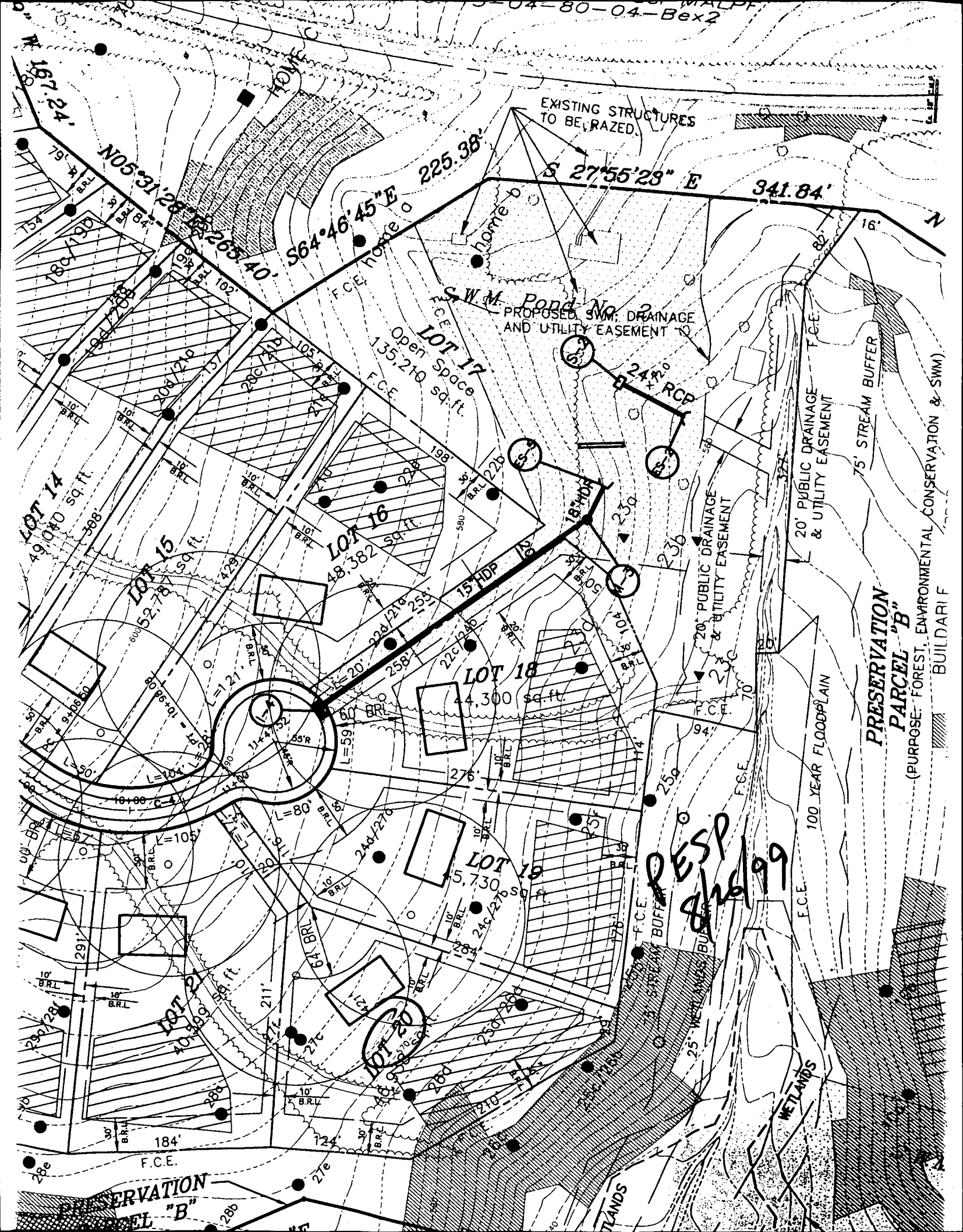
REMARKS MIN. SPAC. BETWEEN 25A & 23C

TYPE OF SOIL

TESTED BY C. Wilber ALSO PRESENT SHANA

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

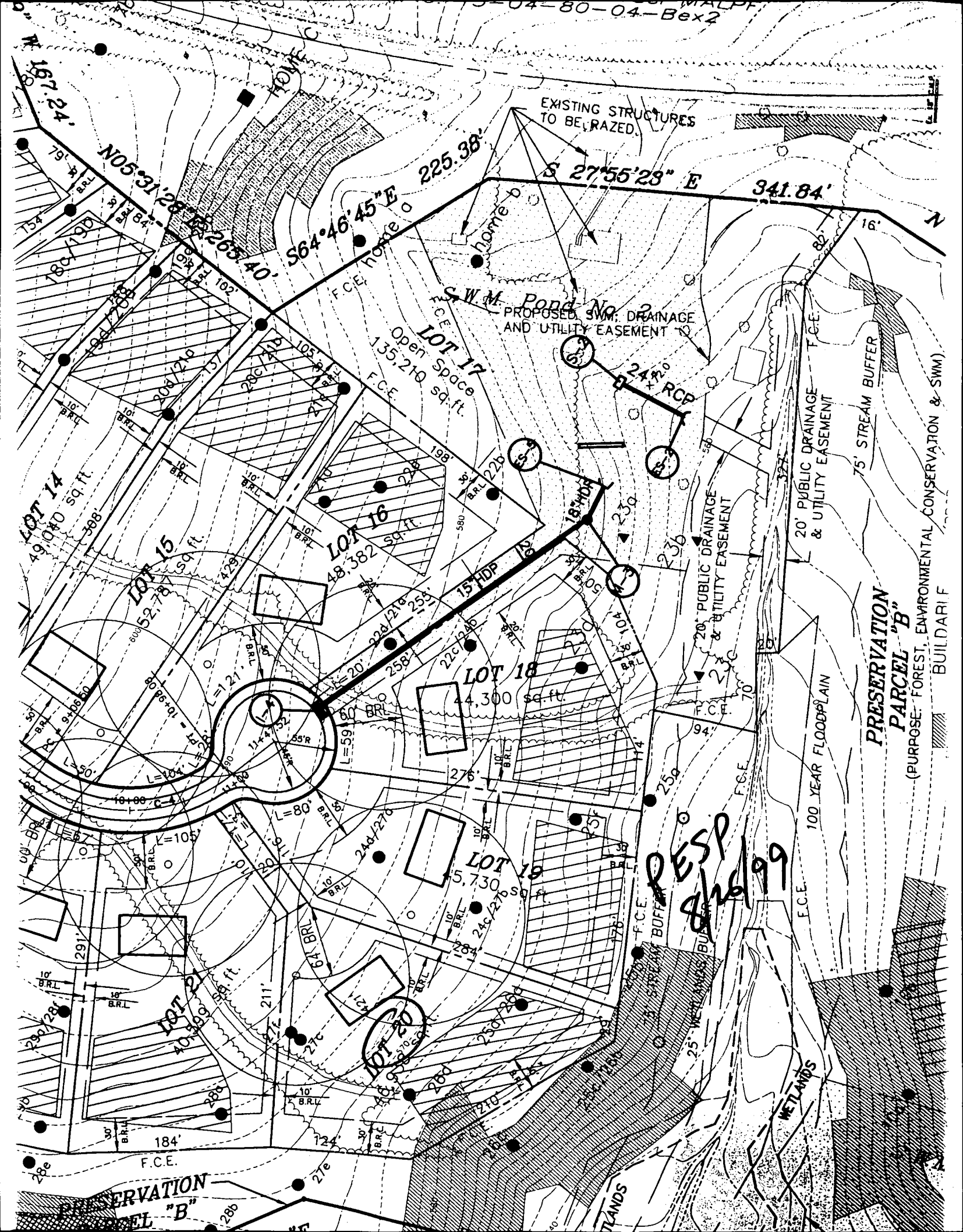
INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM



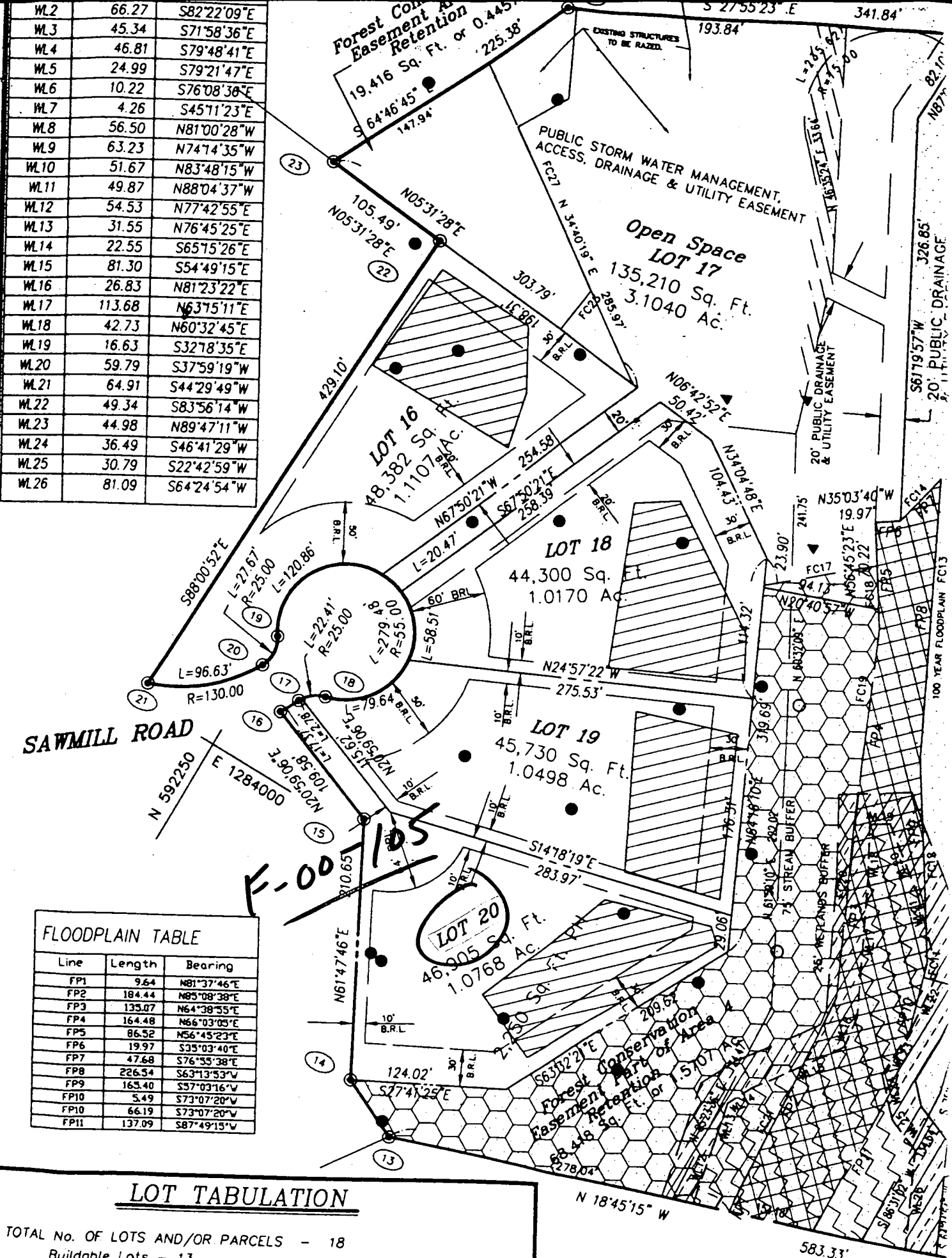
**PRESERVATION  
PARCEL "B"**

(PURPOSE: FOREST, ENVIRONMENTAL CONSERVATION & SWM)  
BUILDARIF

**RES  
2/26/99**



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°08'36"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



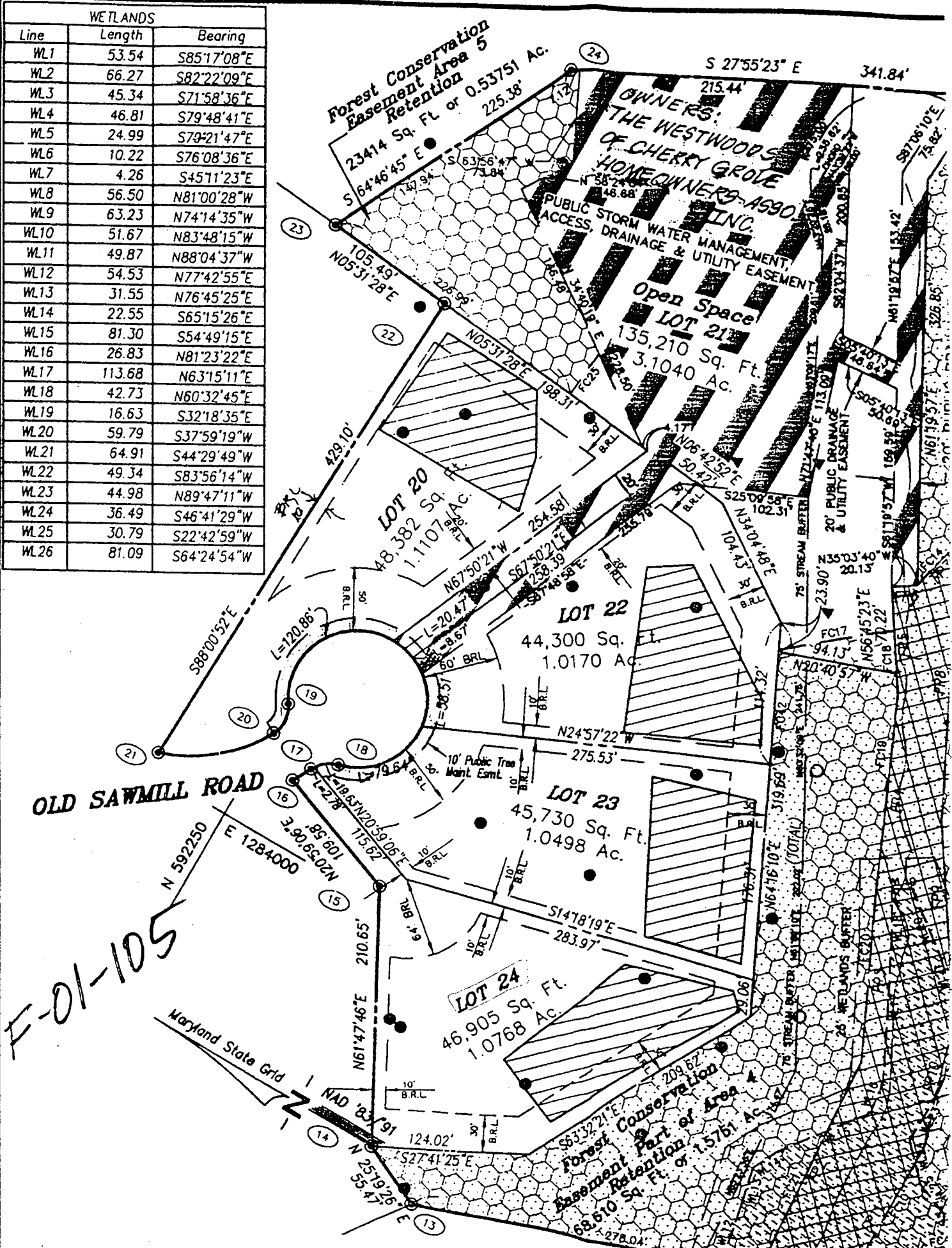
Line	Length	Bearing
FP1	9.64	N81°37'46"E
FP2	184.44	N85°08'38"E
FP3	133.07	N64°38'55"E
FP4	164.48	N66°03'05"E
FP5	86.52	N56°45'23"E
FP6	19.97	S35°03'40"E
FP7	47.68	S76°55'38"E
FP8	226.54	S63°13'53"W
FP9	163.40	S57°03'16"W
FP10	5.49	S73°07'20"W
FP10	66.19	S73°07'20"W
FP11	137.09	S87°49'15"W

**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

**SUBMITTED FOR REVIEW**

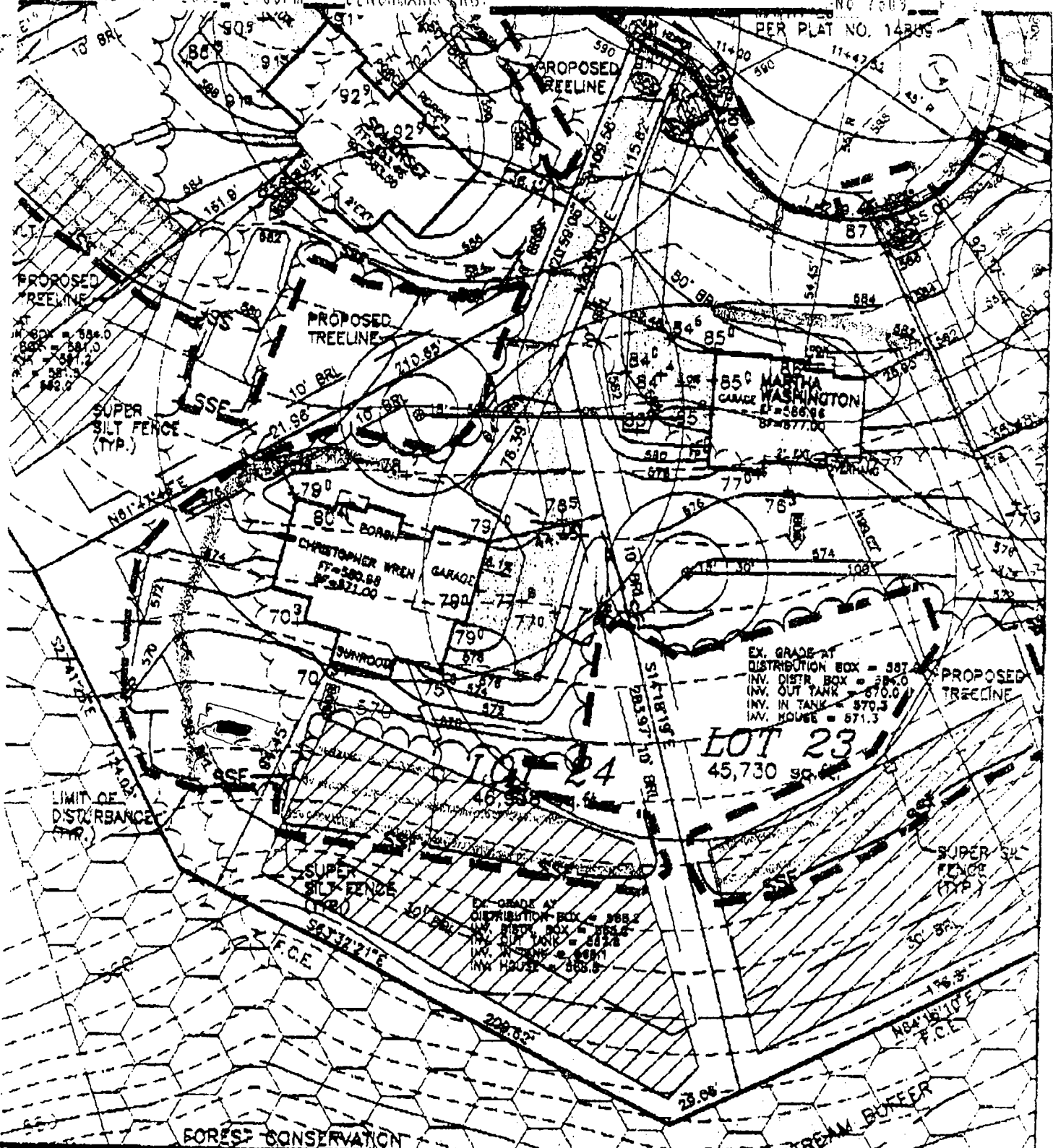
WETLANDS		
Line	Length	Bearing
WL1	53.54	S85°17'08"E
WL2	66.27	S82°22'09"E
WL3	45.34	S71°58'36"E
WL4	46.81	S79°48'41"E
WL5	24.99	S79°21'47"E
WL6	10.22	S76°08'36"E
WL7	4.26	S45°11'23"E
WL8	56.50	N81°00'28"W
WL9	63.23	N74°14'35"W
WL10	51.67	N83°48'15"W
WL11	49.87	N88°04'37"W
WL12	54.53	N77°42'55"E
WL13	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



Mar 11 2002 2:59PM BENCHMARK ENG.

No 7809

PER PLAT NO. 14805



FOREST CONSERVATION  
 SLOPE OF DRIVEWAY = 6.1% @ GAR.  
 NUMBER OF RISERS IN GAR. = 3  
 NUMBER OF RISERS ON LEAD WALK = 3

**BENCHMARK**  
 ENGINEERING, INC.  
 BENCHMARK • LAND SURVEYING • PLANNING

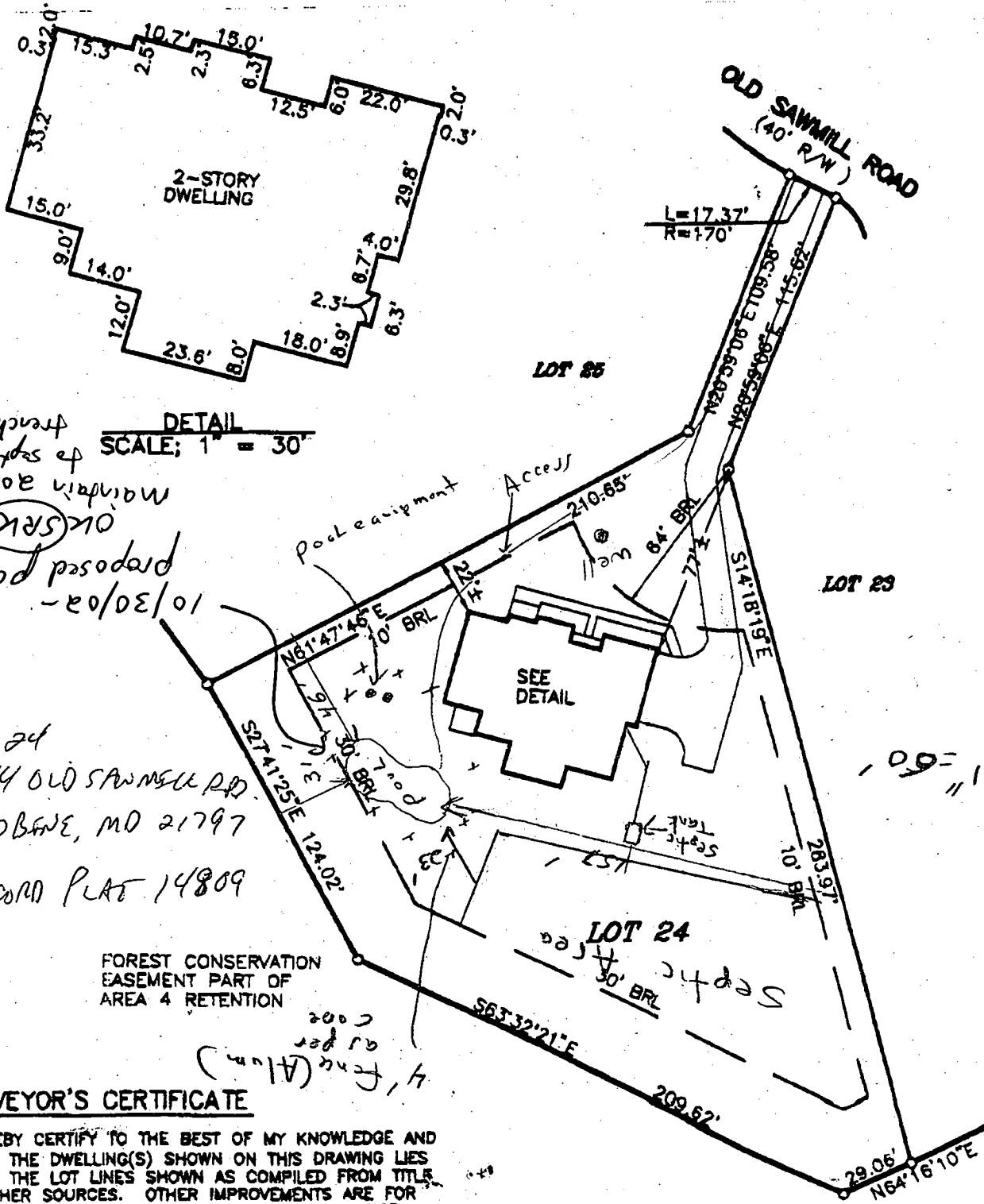
~~16944~~ #BP 00137934  
 8/13/02 THE WESTWOODS AT  
 LPTANK CHERRY GROVE  
 LOCATION LOT 24  
 25' from  
 SDA  
 KN

8-80 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MD 21043  
 PHONE: 410-465-8106 FAX: 410-465-8644

FOURTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 50' DATE: 3/11/02

**NOTE:**

1. THIS DRAWING IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING.
2. THE DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
3. THE DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.
4. ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SHOWN HEREON ARE IN APPROXIMATE RELATION TO THE APPARENT BOUNDARY LINES.
5. DECLARATION IS MADE TO ORIGINAL PURCHASER OF THE DRAWING. IT IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
6. DRAWING IS VALID ONLY WITH BLUE-INK SEAL AND SIGNATURE OF SURVEYOR.



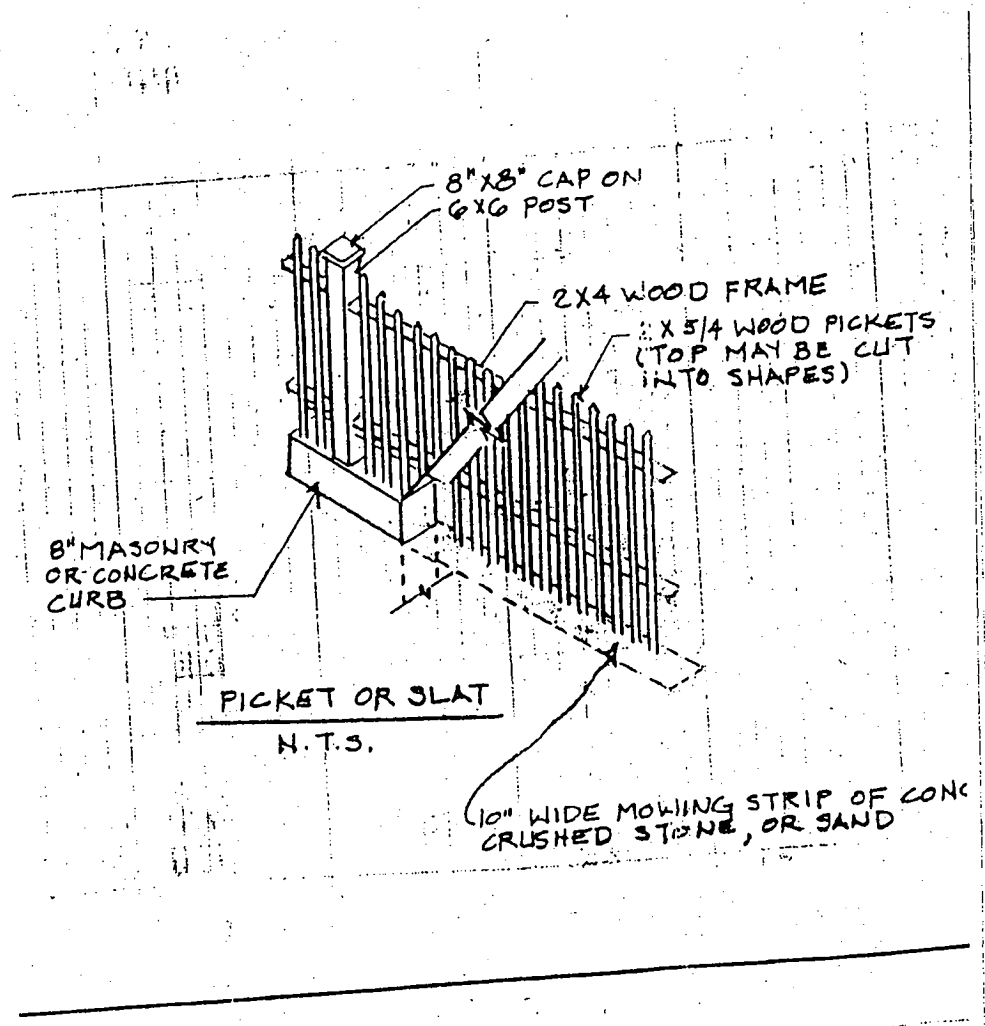
*Handwritten notes:*  
 OK SPRK  
 10/30/02 - proposed pool  
 Maintenance  
 10' width  
 2' depth  
 Trenches

*Handwritten notes:*  
 LOT 24  
 66944 OLD SAWMILL RD.  
 WOODBANE, MD 21797  
 RECORD PLAT 14809

FOREST CONSERVATION  
 EASEMENT PART OF  
 AREA 4 RETENTION

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THE DWELLING(S) SHOWN ON THIS DRAWING LIES WITHIN THE LOT LINES SHOWN AS COMPILED FROM TITLE OR OTHER SOURCES. OTHER IMPROVEMENTS ARE FOR PICTORIAL PURPOSES ONLY. THIS DRAWING IS NOT A BOUNDARY SURVEY AND HAS BEEN PREPARED EXCLUSIVELY FOR TITLE PURPOSES ONLY. PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.



8" x 8" CAP ON  
6" x 6" POST

2" x 4" WOOD FRAME

2" x 5/4" WOOD PICKETS  
(TOP MAY BE CUT  
INTO SHAPES)

8" MASONRY  
OR CONCRETE  
CURB

PICKET OR SLAT  
N.T.S.

10" WIDE MOWING STRIP OF CONC  
CRUSHED STONE, OR SAND

