

LAYOUT _____ INSP 4 _____
INSP 2 11/12/02 11 AM INSP 5 _____
INSP 3 _____ INSP 6 _____

04-365739

ISSUE DATE: 10/2/2002

P 517940

APPROVAL DATE: 11/12/02

A 59946-R

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: 18115 Sellman Road, Dickerson PHONE NUMBER: 301-349-4400

SUBDIVISION: Westwoods at Cherry Grove LOT NUMBER: 22

ADDRESS: 16952 Old Sawmill Road 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: 180

LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 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 as shown on the approved site plan. Run trenches on contour.
NOTES:	

PLANS APPROVED: Steven R. Krieg OK 3/20/02 (S) DATE: 3/11/2002

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

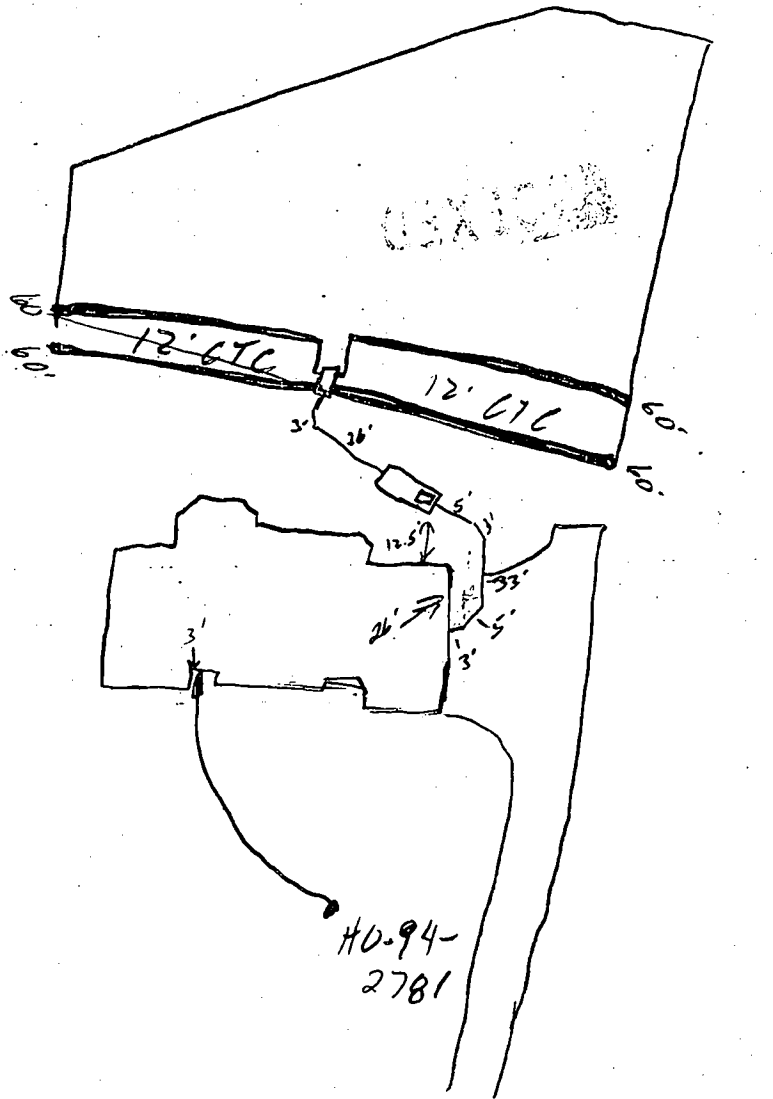
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

BUILDING PERMIT SIGNED AND RETURNED
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

11-21-02 B00139390 - PROPANE TANK
7-12-05 B00154939 - DECK

A59946-R

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3.5'	5.5'
NUMBER OF TRENCHES <input checked="" type="checkbox"/>		
TOTAL LENGTH <u>240'</u>		
ABSORPTION AREA <u>720 sq</u>		
DISTRIBUTION BOX LEVEL <input checked="" type="checkbox"/>		
DISTRIBUTION BOX BAFFLE <input checked="" type="checkbox"/>		
DISTRIBUTION BOX PORT <input checked="" type="checkbox"/>		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	<u>1500</u> GAL
SEAM LOC	<input checked="" type="checkbox"/>
TANK LID DEPTH	<u>1-1.5'</u>
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input checked="" type="checkbox"/>
MANHOLE LOC	<u>Front</u>
6" PORT LOC	<input checked="" type="checkbox"/>
WATERTIGHT TEST	<input checked="" type="checkbox"/>
SEPTIC TANK 2 LEVEL	<input type="checkbox"/>
CAPACITY	_____ GAL
SEAM LOC	<input type="checkbox"/>
TANK LID DEPTH	_____
BAFFLES	<u>N/A</u>
BAFFLE FILTER	<u>N/A</u>
MANHOLE LOC	_____
6" PORT LOC	<input type="checkbox"/>
WATERTIGHT TEST	<input type="checkbox"/>

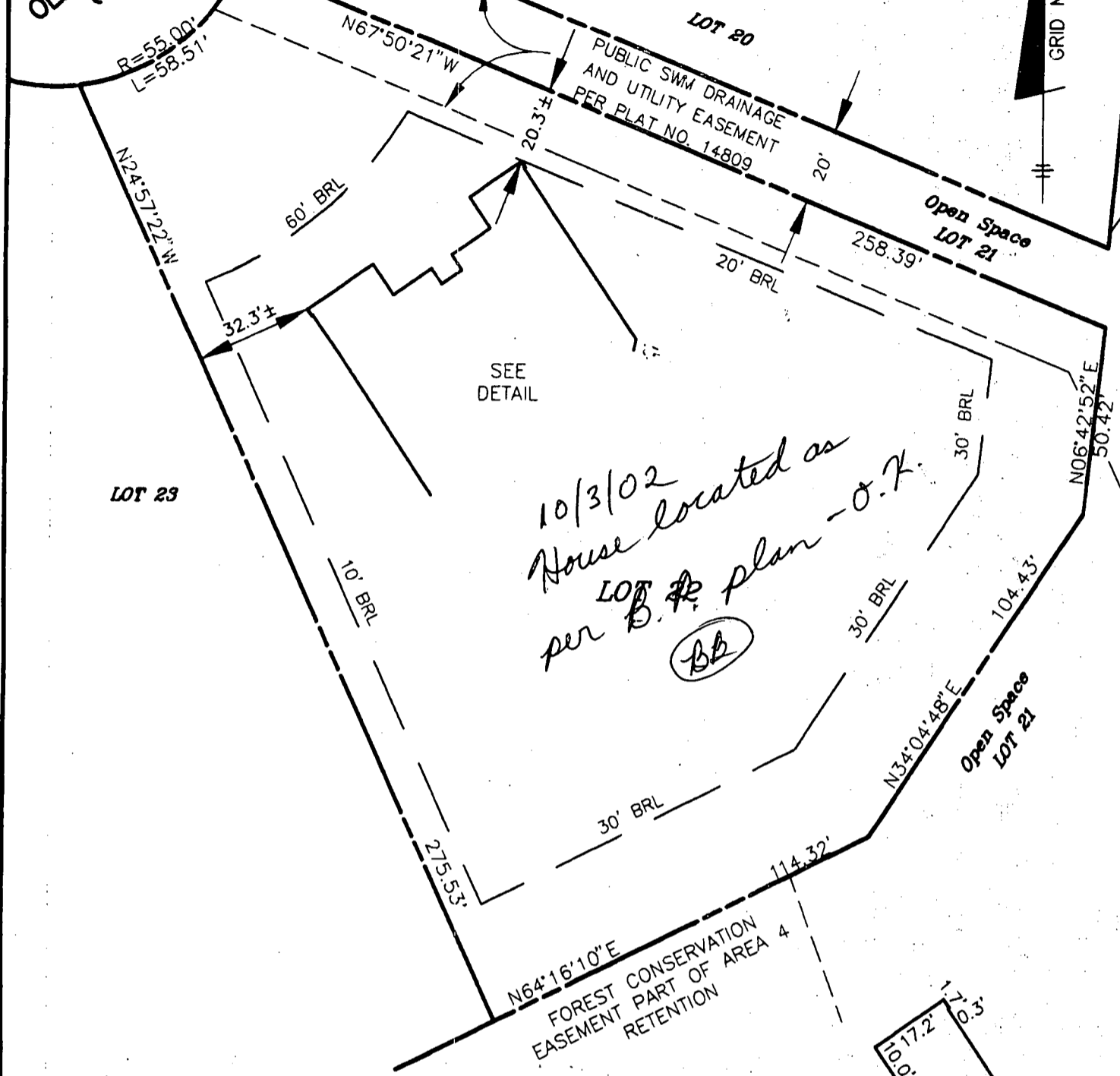
PRE-CONSTRUCTION 10/ /02 Lot staked, layout per B.P. (SO)

INSTALLATION 11/12/02 OK to cover all work (SO)

FINAL INSPECTOR [Signature]

DATE OF APPROVAL 11/12/02

OLD SAWMILL ROAD
(VARIABLE WIDTH)



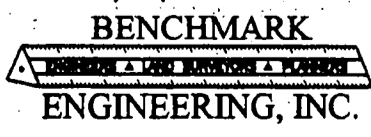
TOP OF FOUNDATION WALL ELEV. = 580.5'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

SURVEYOR'S CERTIFICATE

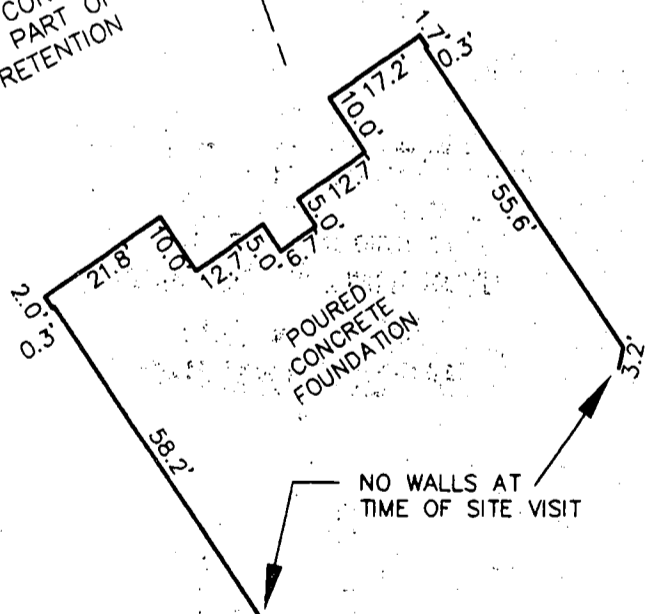
I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 08/02/02; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY RODGERS & ASSOCIATES, INC. ENTITLED "THE WESTWOODS OF CHERRY GROVE", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 14809

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



0480 BALTIMORE NATIONAL PRICE & SUITE 418
ELLCOTT CITY, MARYLAND 21043
phone: 410-485-8105 & fax: 410-485-0644
email: Benchmtr@bods.com



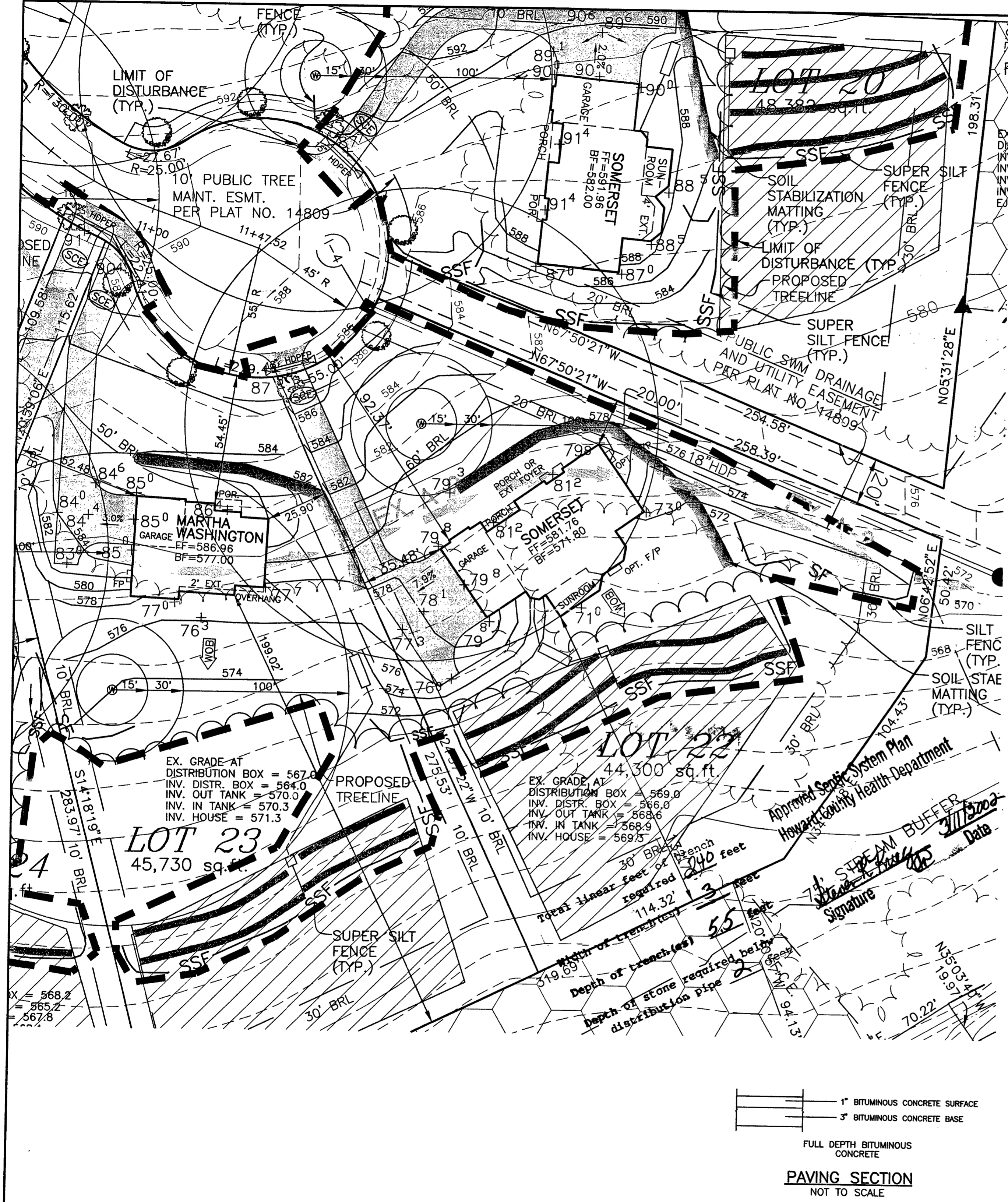
FOUNDATION DETAIL

SCALE: 1" = 30'

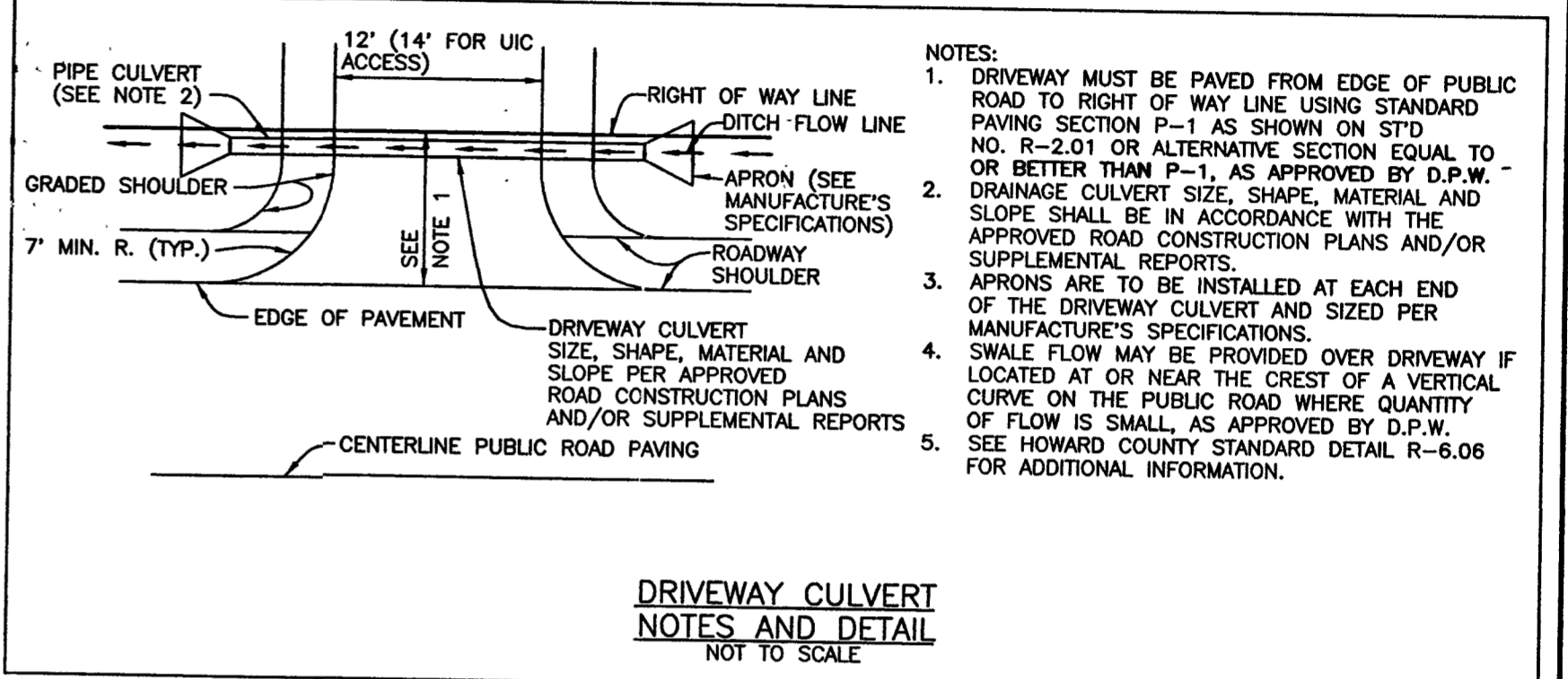
WALL CHECK
THE WEST WOODS
OF
CHERRY GROVE
LOT No. 22

16952 OLD SAWMILL ROAD
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 40' DATE: 8-2-02



- NOTES:**
1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 14809, REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
 2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
 3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-01-192 AND MODIFIED FOR THIS SPECIFIC HOUSE.
 4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
 5. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
 6. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 7. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS (F-00-105).



- LEGEND**
- LIMIT OF DISTURBANCE
 - PROP. SILT FENCE
 - PROP. SUPER SILT FENCE
 - EX. EARTH DIKE
 - PROP. EARTH DIKE
 - STABILIZED CONSTRUCTION ENTRANCE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - EROSION CONTROL MATTING
-

NO.	DATE	REVISION

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418
ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 • FAX: 410-465-6844
EMAIL: benchmrk@ccis.com

OWNER/BUILDER: D.R. HORTON, INC. SUITE 230 1370 PICCARD DRIVE ROCKVILLE, MARYLAND 20850 1-301-670-6144	PROJECT: THE WESTWOODS AT CHERRY GROVE LOT 22
LOCATION: 16952 OLD SAWMILL ROAD LISBON, MD 21797 TAX MAP 13 - BLOCK 15 - PARCELS 140, 141, 142 AND P/O PARCEL 46 4th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	TITLE: PERMIT PLAN
HOUSE TYPE: SOMERSET	DATE: FEBRUARY, 2002
DESIGN: JMC	DRAFT: JTC
SCALE: 1" = 30'	PROJECT NO. 1431 DRAWING 1 OF 1

**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 #: 3014283500
Address: 23407 Frederick Rd
Charlestown MD 20821

(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 HENKLE 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. Heston Inc Telephone #: 6706144
Subdivision: Cherry Grove Lot #: 22 Well Tag #: HO-94-2781
Site Address: 16952 Old Sawmill Rd

Submersible Pump Data

Make: Sorbus
Model #: _____
Pump Capacity 1/2 GPM
Well Yield: 4.3 GPM

Pitless Adapter

Make: Compac
Model#: _____
Depth: 42 (36" min)
NSF approved: ✓

Well Cap and Electric Conduit

Two piece watertight cap: ✓
Screened, vented well cap: ✓
Cap secured to casing: ✓
Conduit min 18" B.G.: ✓
Conduit secured to well cap: ✓

Depth of well encountered at time of pump installation: 120 feet
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

Type: PEX
PSI: 200 (160 psi min)
Depth of supply line: 34 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: ✓
Approximate length of sleeve: _____
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: [Signature] date: 9/24/02

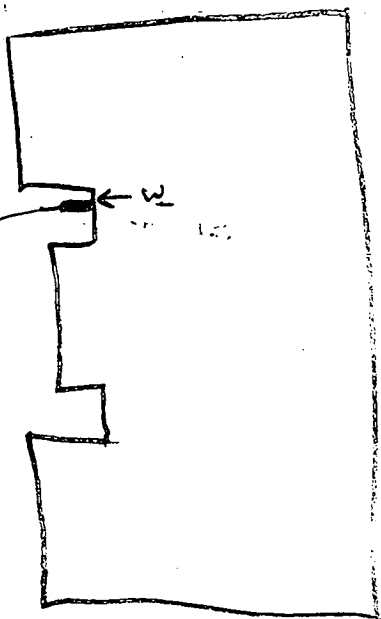
For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 9/25/02 11:30am Date Insp. Approved: 11/22/02 (50)
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 ✓

House changed!

buried
→

HD-44-? Undergrund



C1 07870

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-94-2781

OWNER GROVEMENT DEVELOPMENT LLC STREET OR RFD OLD SAWMILL RD TOWN LISBON SUBDIVISION WESTWOODS AT CHEERY GROVE SECTION LOT 4822

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Brown Shale and Blue Rock.

GROUTING RECORD section with fields for material type (CM, BC), bags, pounds, and grout seal depth.

CASING RECORD section with fields for casing type (ST, CO, PL, OT), nominal diameter, and total depth.

OTHER CASING (if used) section with fields for diameter and depth.

SCREEN RECORD section with fields for screen type (ST, BR, HO, PL, OT) and depth.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: YES (Y), NO (N)

TEST WELL CONVERTED TO PRODUCTION WELL: YES (Y), NO (N)

DRILLERS LIC. NO. 1 MSD024, DRILLERS SIGNATURE Joseph E. Mayne

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

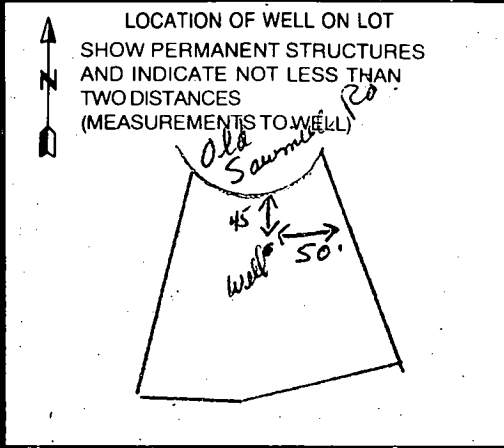
DEPTH (nearest ft.) table with columns 1-21 and rows A-N.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) section with fields T, W, Q, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST section with fields for hours pumped, pumping rate, method used, water level, and pump type.

PUMP INSTALLED section with fields for pump type, capacity, and casing height.



B 1	5973	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL W514154 Please print or type	STATE PERMIT NUMBER HO - 94 - 2781 <small>70 fill in this form completely 79</small>
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OWNER INFORMATION

Date Received (APA) _____

8 MM OD YY 13

GroveMont Development LLC
15 Last Name Owner First Name 34

P.O. Box 417
36 Street or RFD 55

Ellicott City Md 21041
57 Town 70 State 72 Zip 76

LOCATION OF WELL

B 3 Howard COUNTY 8

The Westwoods of Cherry Grove SUBDIVISION 23 42

SECTION 44 LOT # 22

Lisbon NEAREST TOWN 52 71

MILES FROM TOWN (enter 0 if in town) 5 M I
73 76 77 78

DRILLER INFORMATION

Joseph L. Mayne MS D024
76 License No. 81

Joseph L. Mayne Well Drilling
Firm Name

5512 Ridge Rd Mt. Airy 21771
Address

Joseph L. Mayne 7/26/2000
Signature Date

B 4

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Old Sawmill Rd NEAR WHAT ROAD 11 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH N
WEST W
EAST E
SOUTH S

34 50 37 DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39

TAX MAP: _____ BLK: _____ PARCEL: _____

WELL INFORMATION

B 2 APPROX. PUMPING RATE 5
1 2 (GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED 500
(GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

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 C. W. With 8/8/01
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 531 000 EAST GRID 0772 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 770²
N 530¹

000 +
000

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)

CABLE REVerse-ROTary DRive-POINT

other _____

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

Lisbon

Old Sawmill Rd
Jennings Chapel Rd

well

N ↑

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

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

APPROP. PERMIT NUMBER _____

PERMIT No: HO - 94 - 2781
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NO. 1 - APPROVING AUTHORITY'S SHOULD USE SEPARATE SHEET IF NEEDED

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
WOODRINE, 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. [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 _____

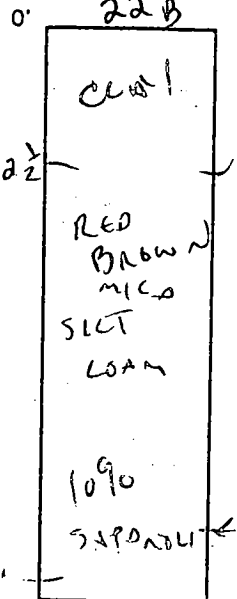
THIS IS NOT A PERMIT

159946

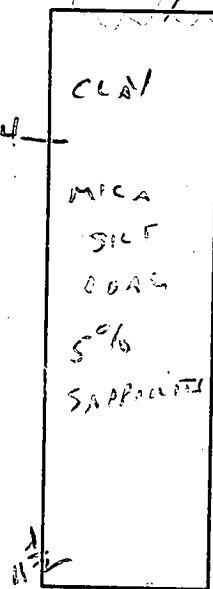
COUNTY #

SOIL PROFILE

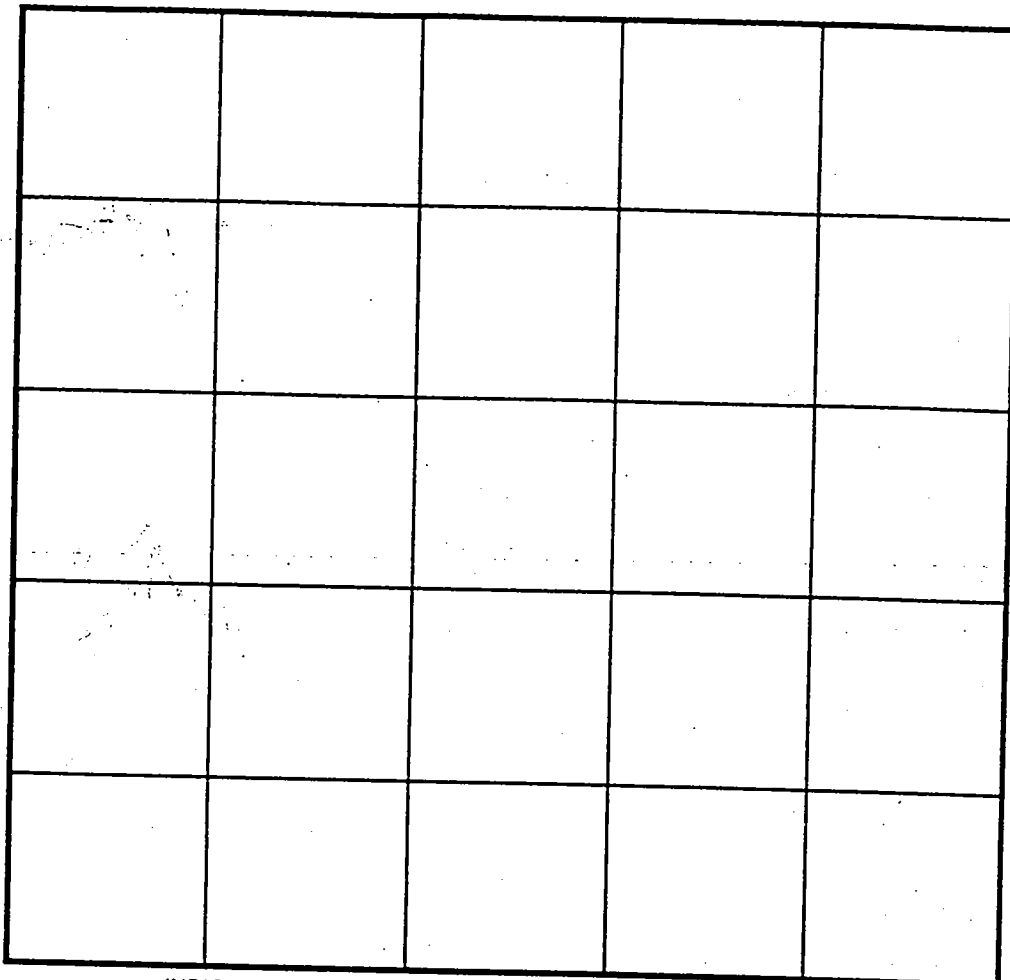
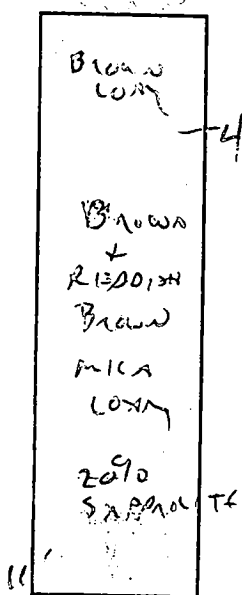
22B



22C/24B



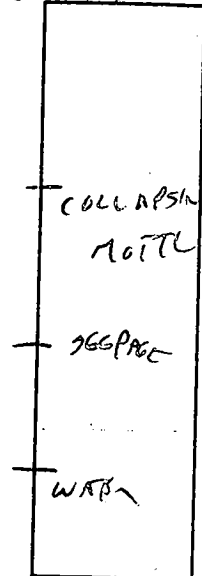
23B



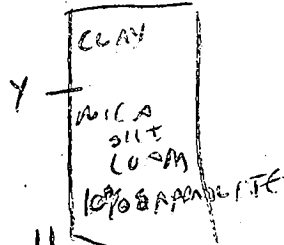
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

23C



23D



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/16/98	22B	3 1/2	1:21	1:27	1:27	1:35	8 min	
	22C/24B	4	1:28	1:44	1:44	1/2 INCH	(a) 2:04	
	23B	4	VIS OK BY 5'					
	23B	4	1:33	slow				
	23C	4 1/2	2:24	2:26	2:26	2:28	2 min	
	23C	ABANDONED BY CONTRACTOR - WATON						X

slow but OK @ 5'

REMARKS _____

TYPE OF SOIL _____

TESTED BY Cwill ALSO PRESENT SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

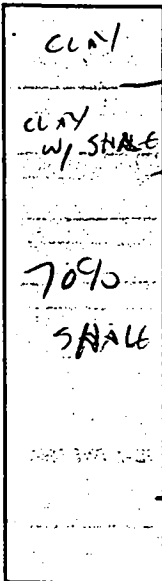
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

A 59946

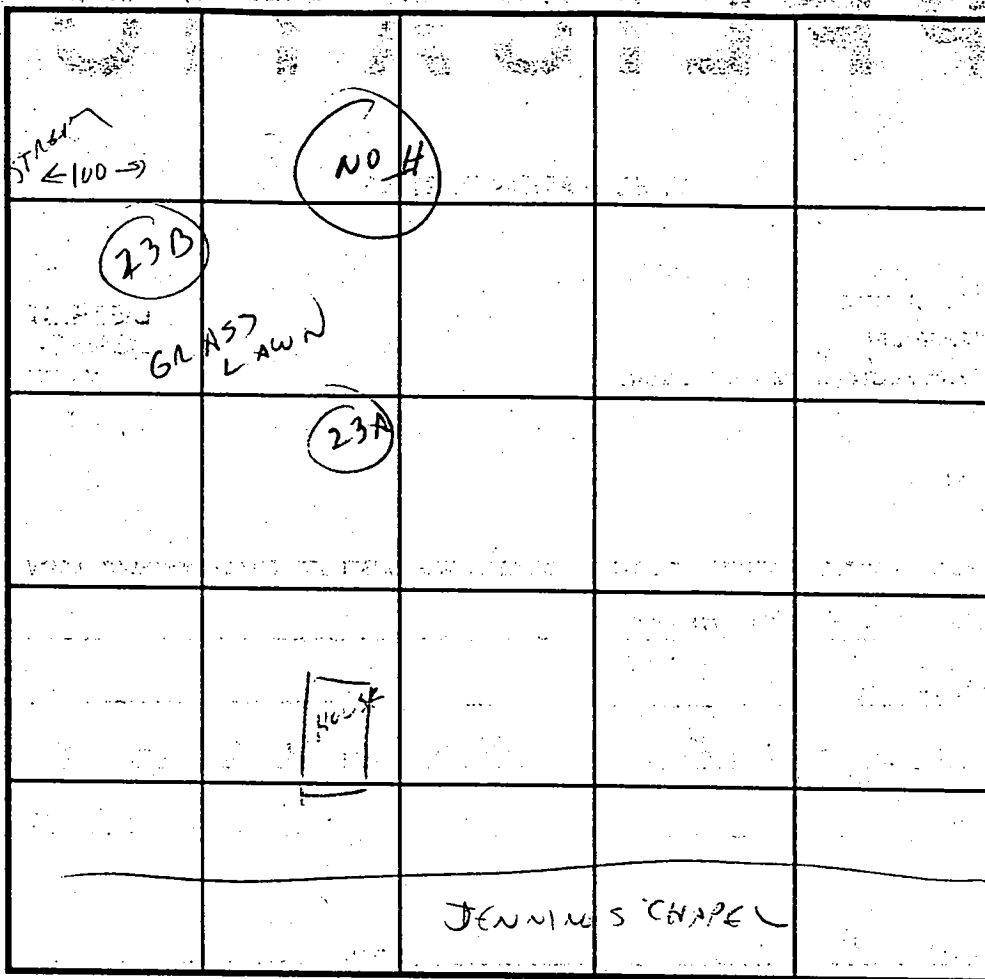
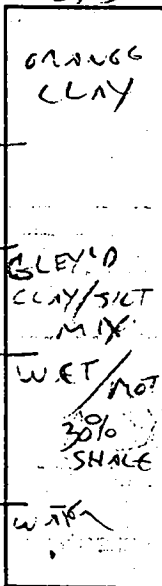
COUNTY #

SOIL PROFILE

0' 23A

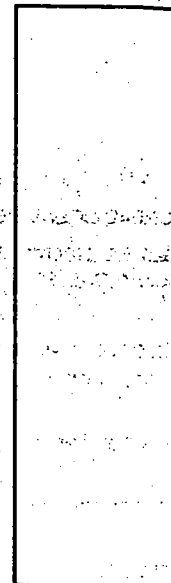


23B



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	23A	ROCK	ABANDONED				
	23B	WATER	ABANDONED				
	NO #	ROCK @ 3 1/2'	ABANDONED				

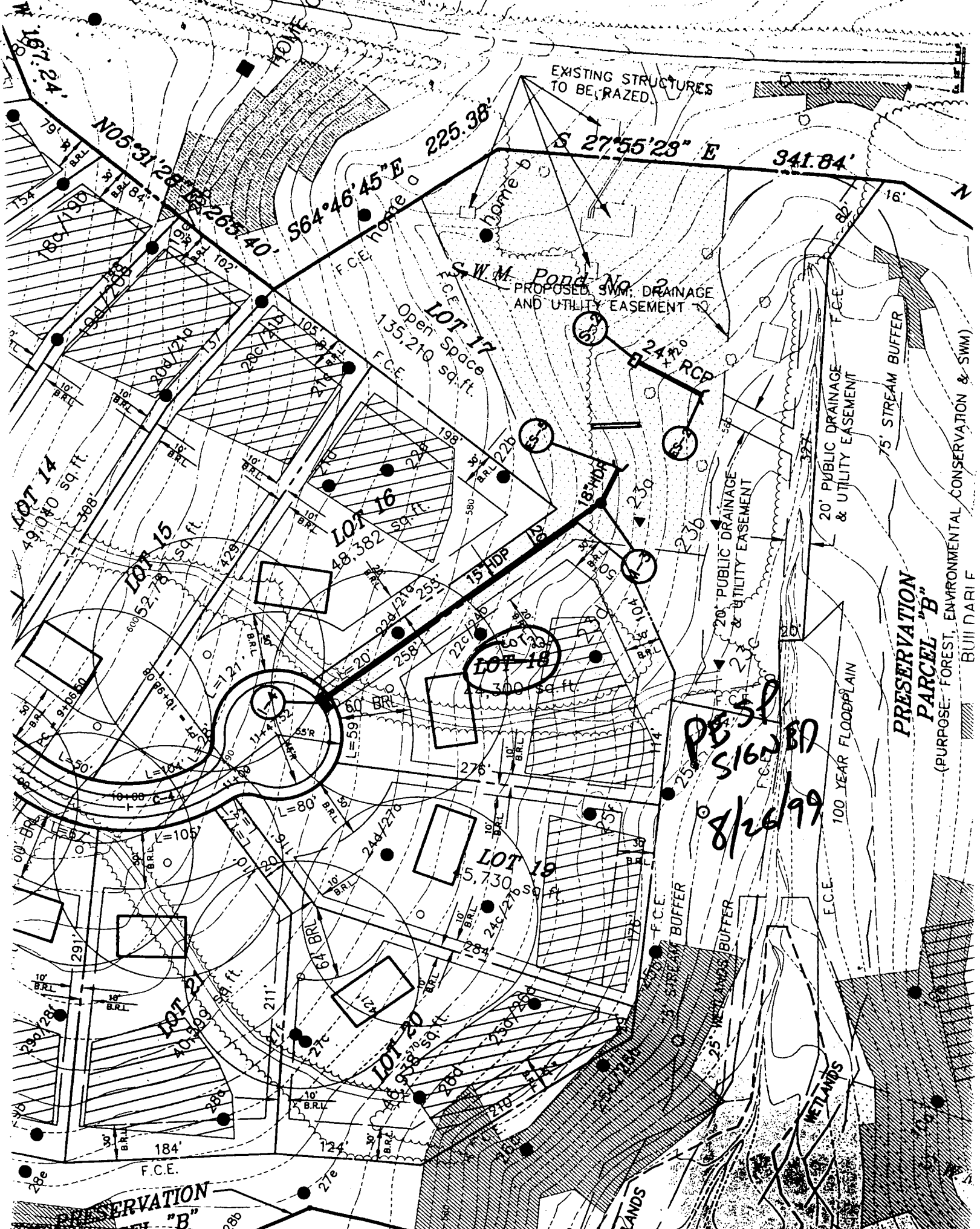
REMARKS _____

TYPE OF SOIL _____

TESTED BY Cwill ALSO PRESENT SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

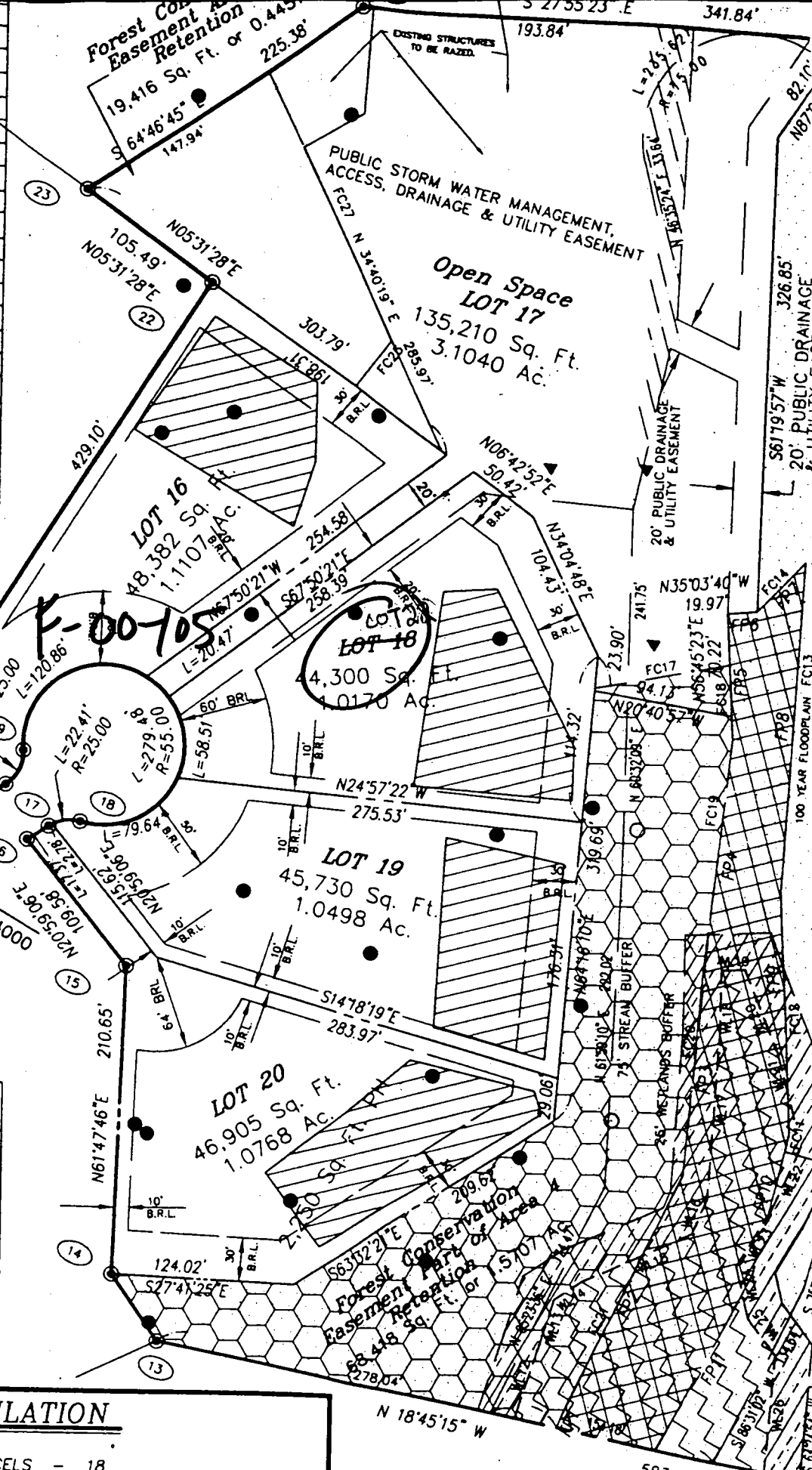


PE 58
 S162BD
 8/26/99

**PRESERVATION
 PARCEL "B"**
 (PURPOSE: FOREST, ENVIRONMENTAL CONSERVATION & SWM)
 BUI DARI F

**PRESERVATION
 PARCEL "B"**

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	N74'74'35"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



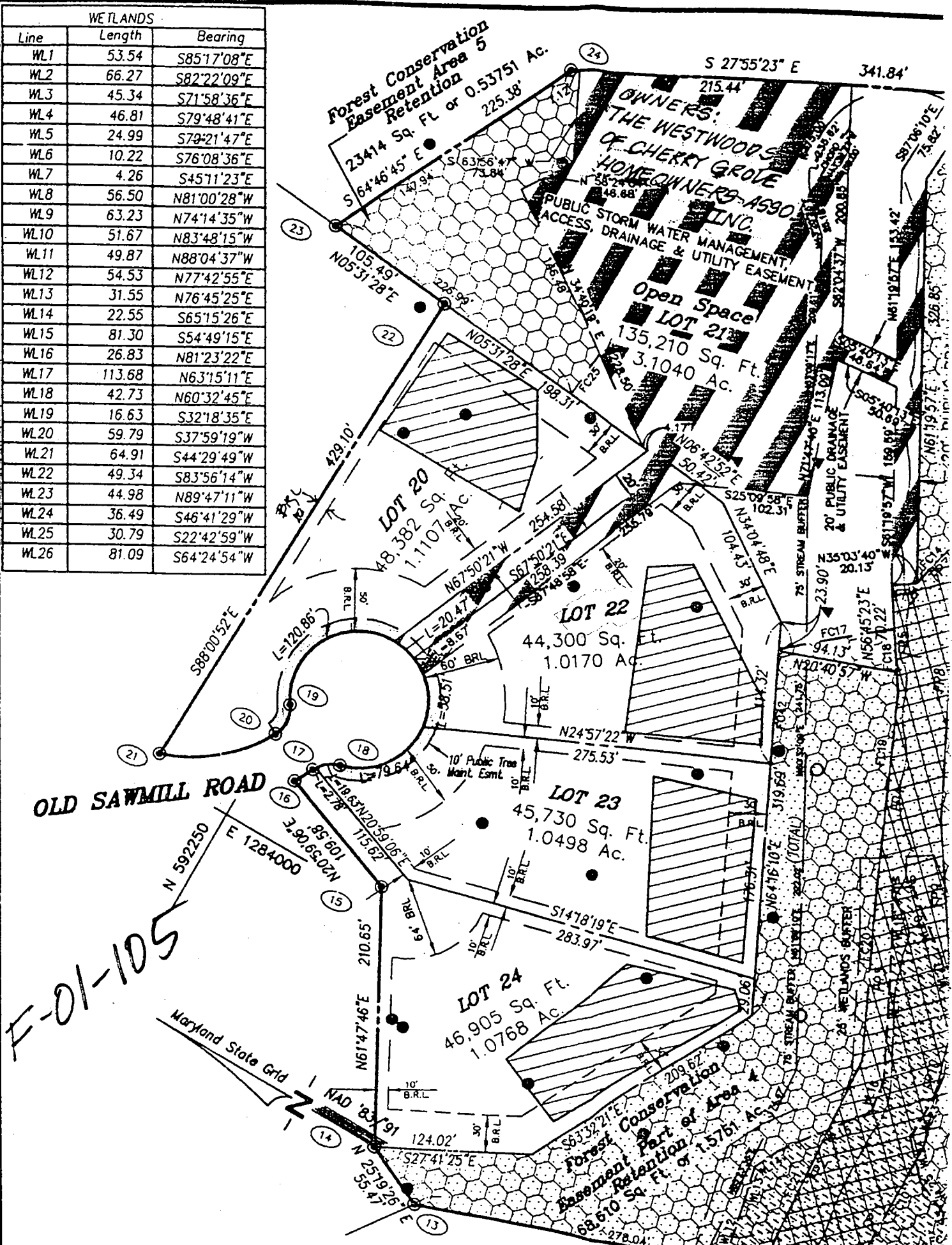
Line	Length	Bearing
FP1	9.64	N81'37'46"E
FP2	184.44	N85'08'38"E
FP3	135.07	N64'38'55"E
FP4	164.48	N66'03'05"E
FP5	86.52	N56'45'23"E
FP6	19.97	S33'03'40"E
FP7	47.68	S76'35'38"E
FP8	226.54	S63'13'53"W
FP9	165.40	S37'03'16"W
FP10	5.49	S73'07'20"W
FP10	66.19	S73'07'20"W
FP11	137.09	S87'49'15"W

LOT TABULATION

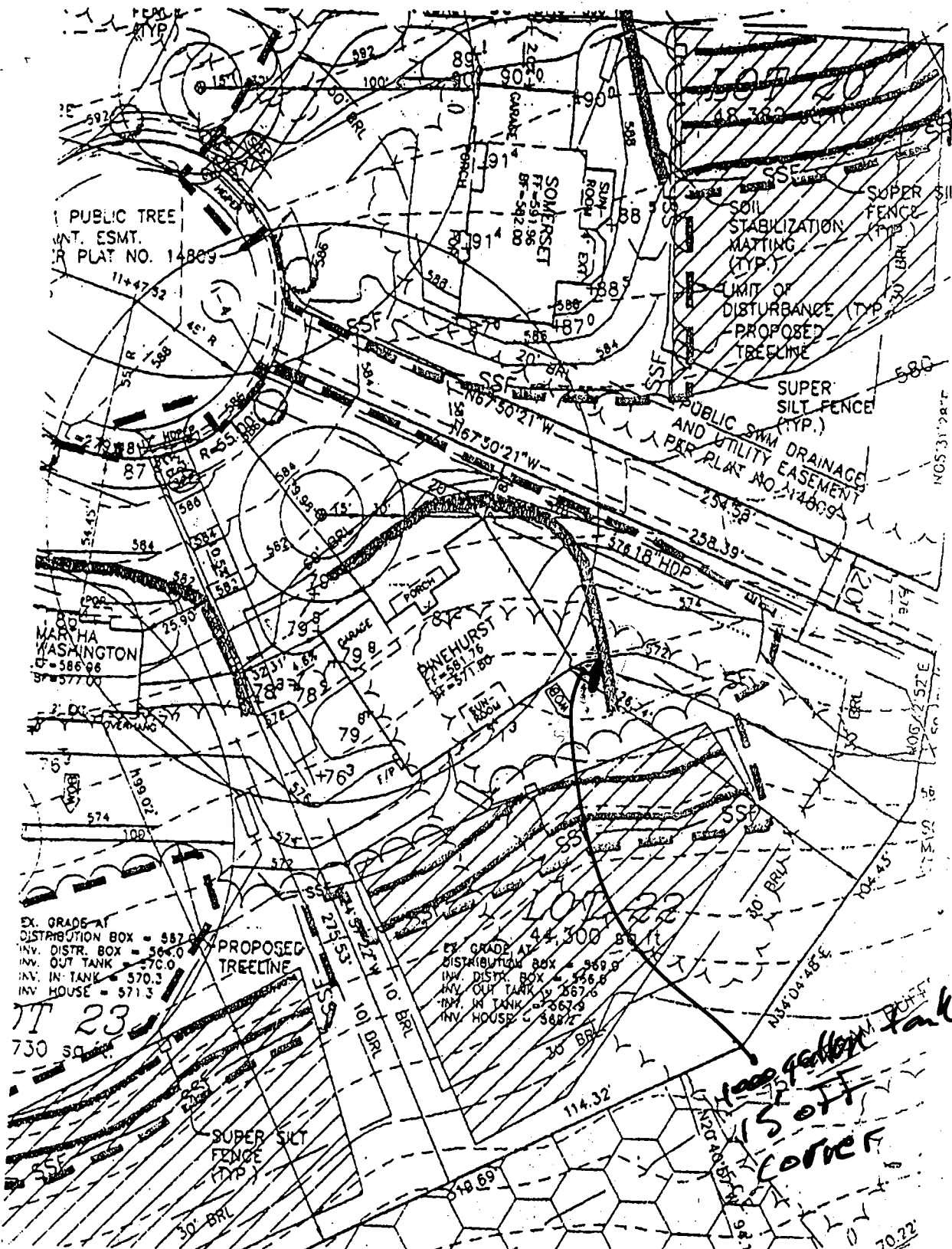
TOTAL No. OF LOTS AND/OR PARCELS - 18
 Buildable Lots - 13
 Open Space - 1
 Buildable Preservation Parcel - 1
 Non-Buildable Preservation Parcels - 2
 Parcels to be conveyed to adjacent owner - 1
 TOTAL AREA OF LOTS AND/OR PARCELS - 248,910 Sq. Ft. (5.6811 Ac.)

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
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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



E-01-105



BENCHMARK
 ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.

8400 BALTIMORE NATIONAL PIKE & SUITE 418
 ELICOTT CITY, MARYLAND 21043
 PHONE: 410-485-8106 & FAX: 410-488-8844
 EMAIL: BENCHMARK@BENCHMARK.COM

INCLUDED IN START PACKAGE

B00139390
 11-21-02
 1000 gal prop. tank
 OK (KW)

OWNER/BUILDER:
D.R. HORTON, INC.
 SUITE 230
 1370 PICCARD DRIVE
 ROCKVILLE, MARYLAND 20850

PROJECT:
THE WESTWOODS AT CHERRY GROVE LOT 22
 LOCATION:
 18932 OLD SAWMILL ROAD

