

LAYOUT 1:30 SB 11/13/02 INSP 4 _____
INSP 2 11/26/02 3:00 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 10/2/2002

APPROVAL DATE: 11/26/02

PERMIT INDEXED

M-365763

P 517940

A 59946-V

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 @ CHERRY GROVE LOT NUMBER: 225

ADDRESS: 16940 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 3.0 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:	Place the distribution box midway between the upper easement stakes and 5' into the easement. Run trenches on contour in both directions
NOTES:	

PLANS APPROVED: Brian Baker *OK 3/10/02* (50) DATE: 3/04/2002

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 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

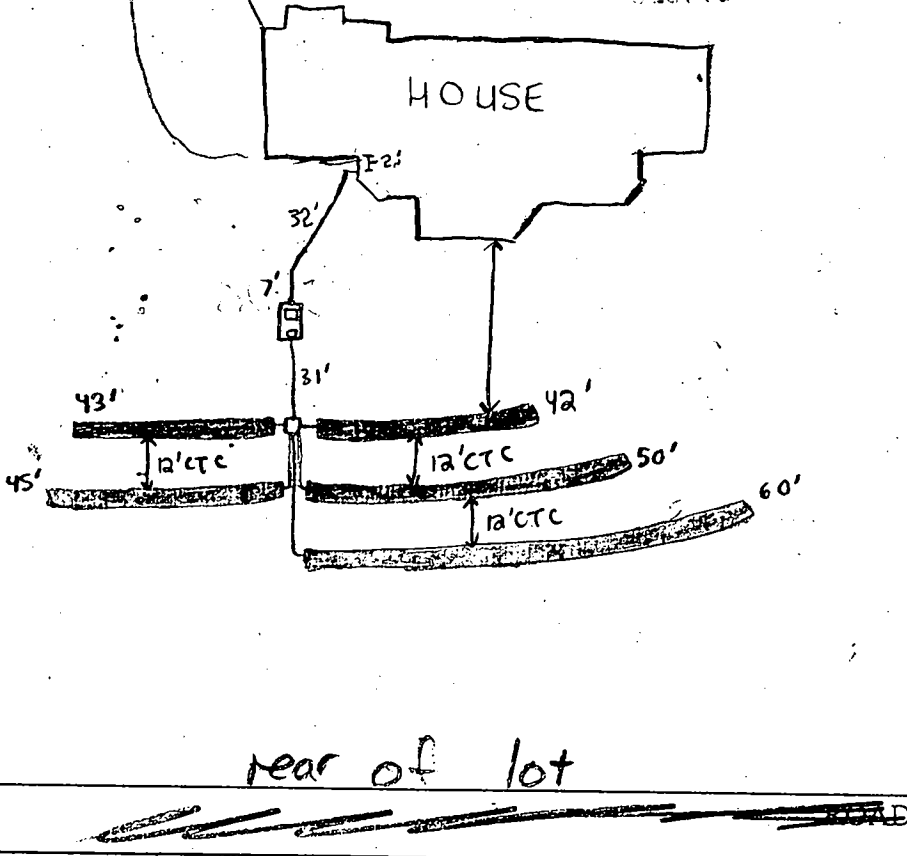
BUILDING PERMIT SIGNED AND RETURNED

11-27-02 BOULDER STS - U6 PROPANE TANK

A59946-V

NOT TO SCALE
 OLD SAWMILL RD

Well HO-94-2784



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	.5'
NUMBER OF TRENCHES		5
TOTAL LENGTH		240'
ABSORPTION AREA		720 ft ²
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		NA

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	✓
BAFFLE FILTER	NA
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	NA
SEPTIC TANK 2 LEVEL	NA
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 11/13/02 layout OK, tank may move closer to house but no closer than 24' according to installer. D-box to be placed as shown (JB)

INSTALLATION 11/26/02 - OK TO COVER ALL WORK - (SRK)

FINAL INSPECTOR Steven R. Krieg

DATE OF APPROVAL 11/26/02

BUILT BY ...

OLD SAWMILL ROAD
(VARIABLE WIDTH)

R=170.00'
L=105.19'

GRID NORTH

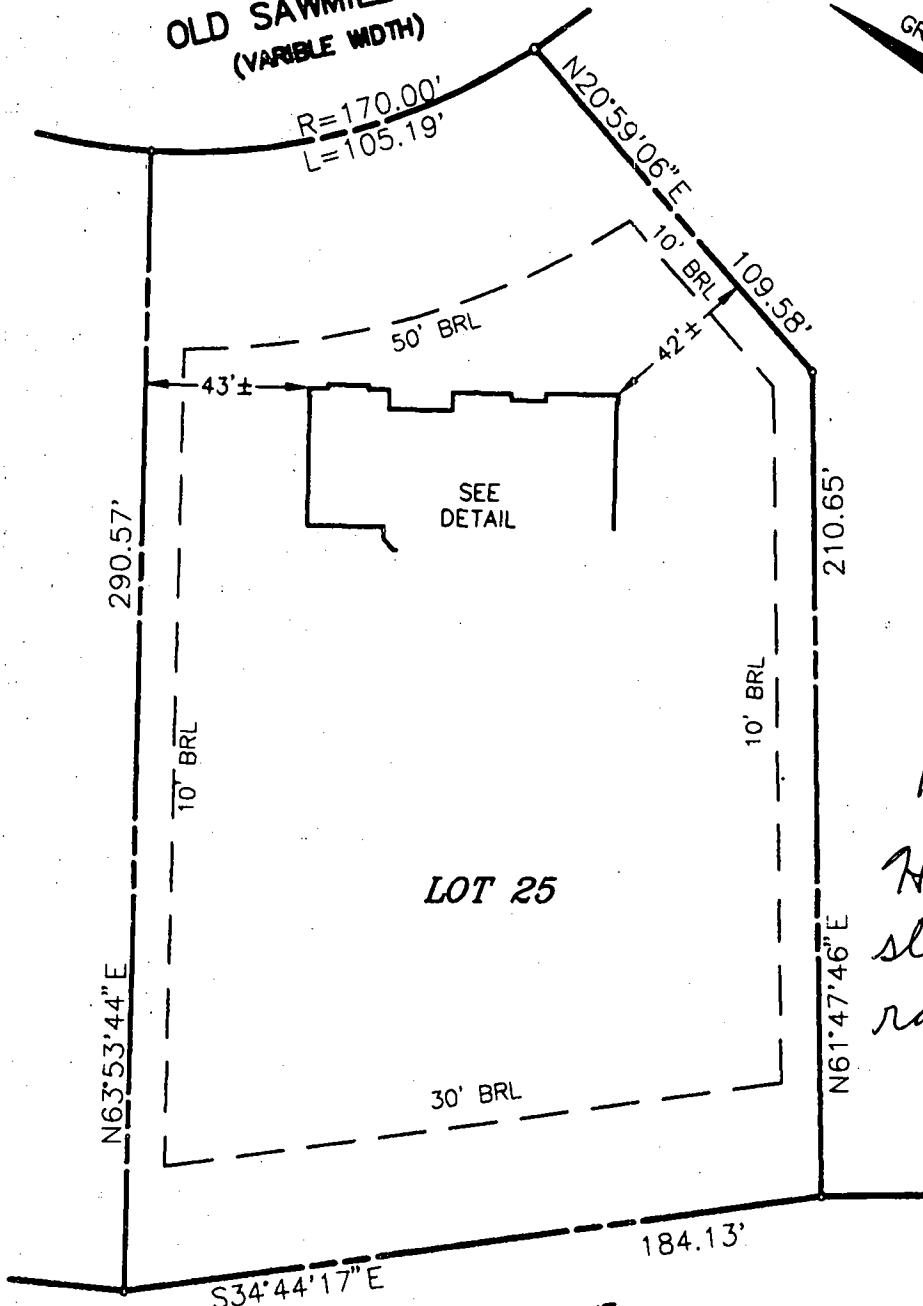
LOT 28

LOT 25

LOT 24

10/3/02
House rotated
slightly and
raised - O.K.

BB

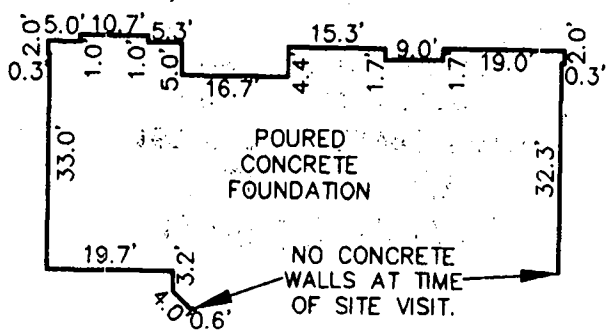


FOREST CONSERVATION EASEMENT
PART OF AREA 4

TOP OF FOUNDATION WALL ELEV. = 593.6'
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 AUGUST 02, 2002; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY RODGERS & ASSOCIATES, INC. ENTITLED "THE WEST WOODS OF CHERRY GROVE", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 14810



FOUNDATION DETAIL

SCALE: 1" = 30'

**WALL CHECK
THE WEST WOODS
OF
CHERRY GROVE
LOT No. 25**

16940 OLD SAWMILL ROAD
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 8-2-02

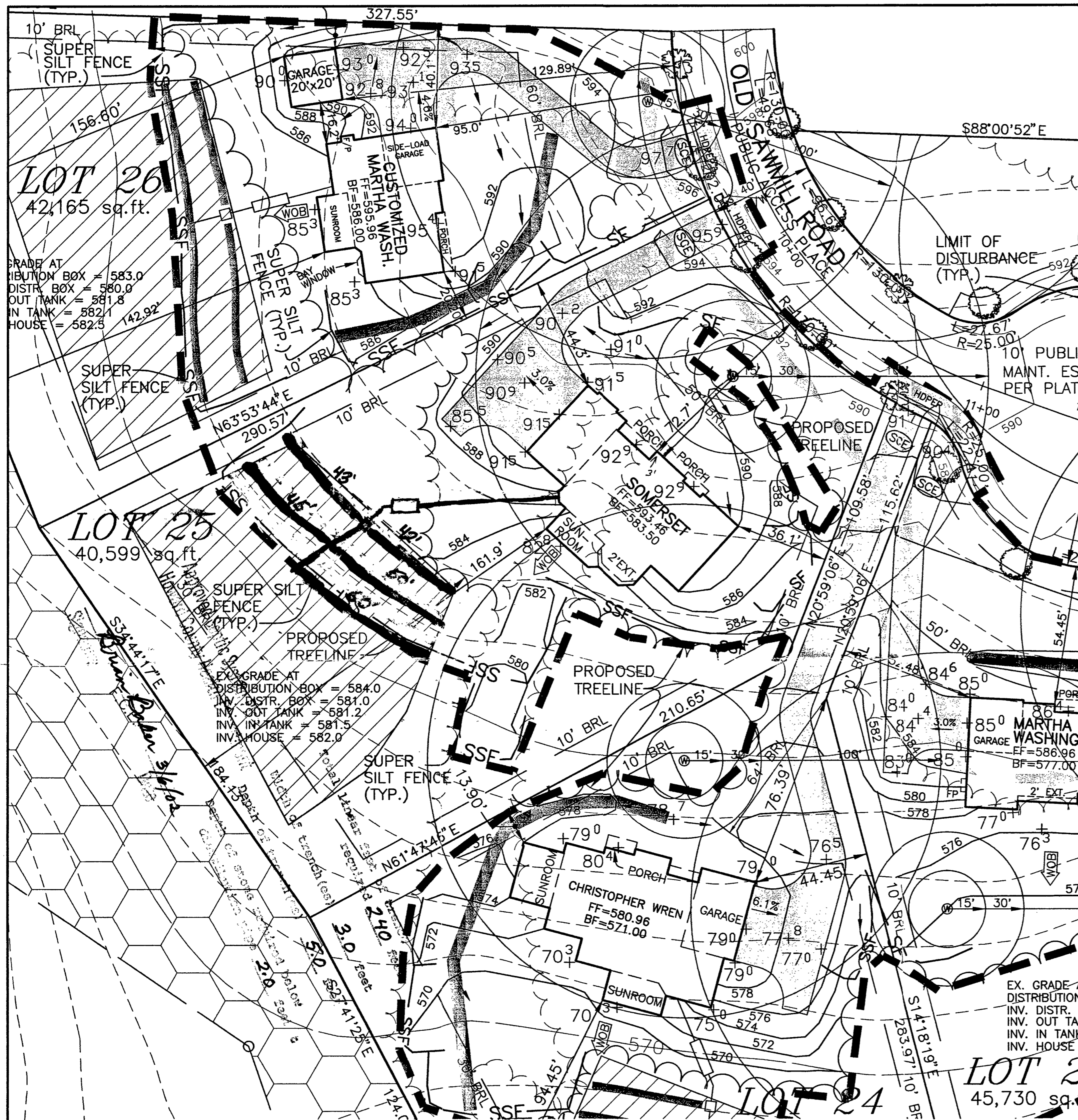
David M. Harris

DAVID M. HARRIS
REGISTERED PROFESSIONAL LAND SURVEYOR
MD REG. No. 10978
FOR BENCHMARK ENGINEERING, INC.
MD REG. No. 351
RECORD PLAT No. 14810
FEMA FIRM No. 240044 0013 B
ZONE: C
DATED: 12/04/86



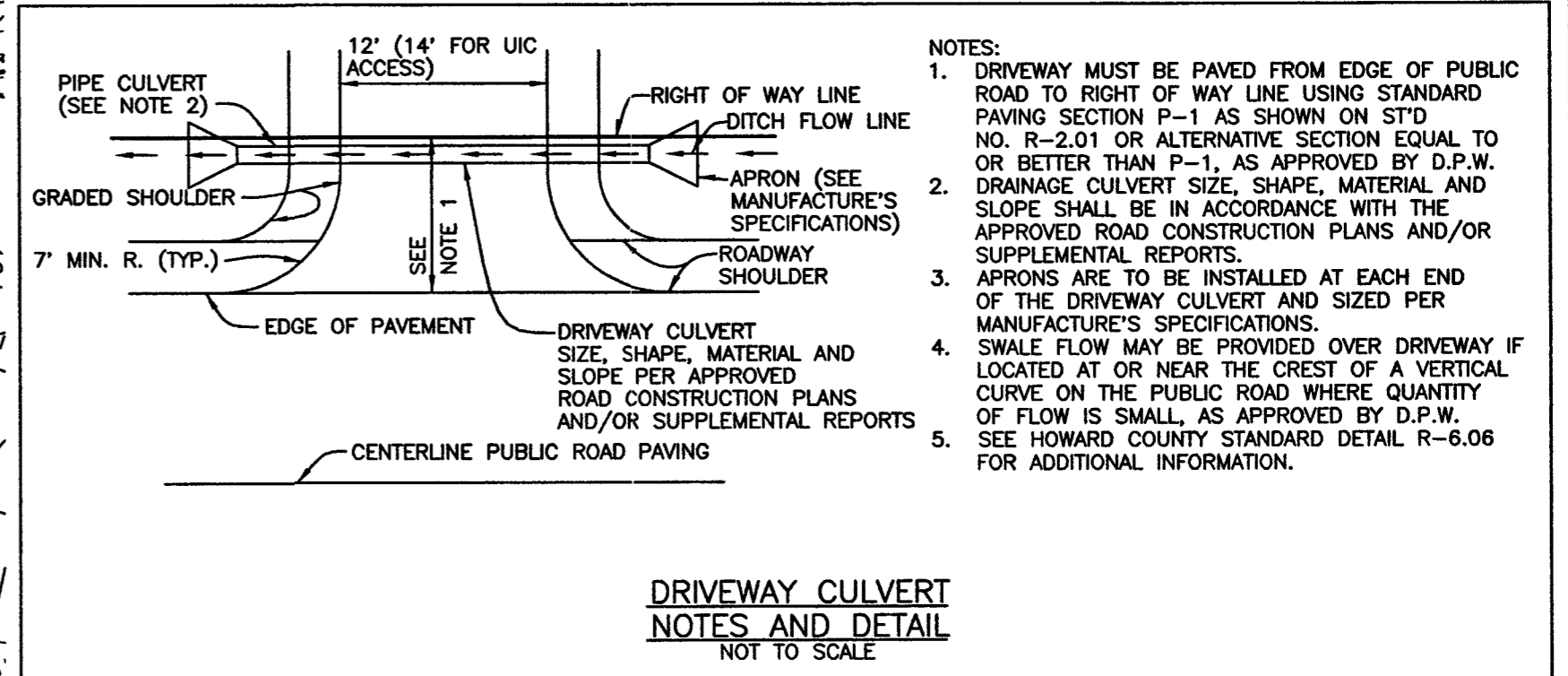
**BENCHMARK
ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE & SUITE 418
ELLIOTT CITY, MARYLAND 21043
PHONE: 410-485-8105 A FAX: 410-485-8844
EMAIL: Benchmri@bcei.com



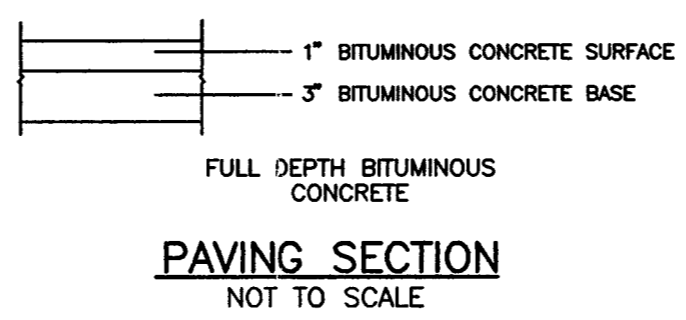
NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 14810, 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.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
8. 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. S.I.T FENCE
- PROP. SUPER SILT FENCE
- EX. EARTH DIKE
- PROP. EARTH DIKE
- STABILIZED CONSTRUCTION ENTRANCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EROSION CONTROL MATTING



NO.	DATE	REVISION
<p>BENCHMARK ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS ENGINEERING, INC.</p> <p>8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418 ELLCOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 ▲ FAX: 410-465-6644 EMAIL: benchmrk@cais.com</p>		
OWNER/BUILDER:		PROJECT:
D.R. HORTON, INC. SUITE 230 1370 PICCARD DRIVE ROCKVILLE, MARYLAND 20850 1-301-670-6144		THE WESTWOODS AT CHERRY GROVE LOT 25
LOCATION:		16940 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	PROJECT NO. 1431
DESIGN:	JMC	DRAFT: JTC
SCALE:	1" = 30'	DRAWING 1 OF 1

9/26/02
10-12 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 Co Telephone #: 4283800
Address: 23407 Frederick Rd
Chesapeake, 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 Skulle 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: P. K. Horton Telephone #: 670 6199
Subdivision: Cherry Grove Lot #: 25 Well Tag #: HO 94-2784 ✓
Site Address: 16948 Old Sawmill Rd

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Soulon Make: Copbell Two piece watertight cap: _____
Model #: _____ Model #: _____ Screened, vented well cap: _____
Pump Capacity 1/2 GPM Depth: 72 (36" min) Cap secured to casing: _____
Well Yield 200 GPM 15 NSF approved: _____ Conduit min 18" B.G.: _____
Depth of well encountered at time of pump installation: 250 (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: 30K 1" PVC sleeved to undisturbed soil at wall penetration: _____
PSI: 200 (160 psi min) Approximate length of sleeve: _____
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] 9/26/02
Signature of company representative responsible for installation date

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

Date Insp. Requested: 9/26/02 ¹⁰⁻¹² Date Insp. Approved: 9/26/02 (SD)
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 _____

C1 **07873** SEQUENCE NO. (MDE USE ONLY)
 1 2 3 6

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

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. 10/3/00 OK (38)
 COUNTY NUMBER **13**

ST/CO USE ONLY DATE Received MM DD YY
 DATE WELL COMPLETED MM DD YY
 Depth of Well 22 **200** 26 (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-94-2784**
 28 29 30 31 32 33 34 35 36 37

OWNER **Groutmont Development LLC**
 STREET OR RFD **OLD SAWMILL RD** TOWN **LISBON**
 SUBDIVISION **WESTWOODS OF CHERRY GROVE** SECTION _____ LOT **2725**

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		check if water bearing
	FROM	TO	
Brown Shale	0	56	
Blue Rock	56	200	✓

GROUTING RECORD (yes) (no)
 Y N
 WELL HAS BEEN GROUTED (Circle Appropriate Box)
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS **14** NO. OF POUNDS **1316**
 GALLONS OF WATER **84**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **53** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER
 MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch!) **6** Total depth of main casing (nearest foot) **60**
 60 61 63 64 66 70

OTHER CASING (if used)
 diameter inch _____ depth (feet) from _____ to _____
 E A C H I N G

SCREEN RECORD
 screen type or open hole (insert appropriate code below)
 ST STEEL BR BRASS HO OPEN HOLE
 PL PLASTIC OT OTHER

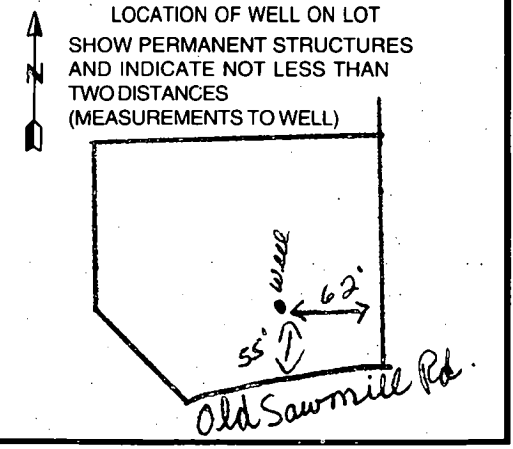
C 2 DEPTH (nearest ft.)
 1 2
 Ho **58** **200**
 E 1 8 9 11 15 17 21
 A 2 23 24 26 30 32 36
 C 3 38 39 41 45 47 51
 S R E N
 SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)
 from _____ to _____

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T _____ (E.R.O.S.) W Q _____
 70 _____ 72 _____ 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 **PUMPING TEST**
 HOURS PUMPED (nearest hour) **3**
 8 9
 PUMPING RATE (gal. per min.) **15**
 11 15
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **53** ft.
 17 20
 WHEN PUMPING **60** ft.
 22 25
 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 **29**
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 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 } **2** (nearest foot)
 49 51



NUMBER OF UNSUCCESSFUL WELLS: **0**

WELL HYDROFRACTURED Y 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. 1 **M S D 0 2 4**
Joseph L. Mayne
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 LIC. NO. 1 **D**

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

B 1 5976

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

Ho - 94 - 2784

W51415A please print or type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM 00 YY 13

Government Development LLC

P.O. Box 417

Ellicott City MD 21041

LOCATION OF WELL

Howard COUNTY

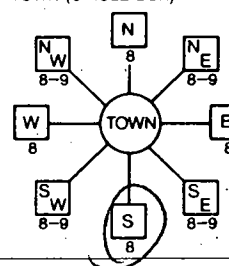
The Westwoods of Cherry Grove

SECTION 44 LOT 21

NEAREST TOWN Lisbon

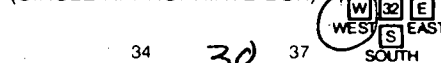
MILES FROM TOWN (enter 0 if in town) 5 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Old Sawmill Rd NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 30 FT

TAX MAP: 13 BLK: 15 PARCEL 46

DRILLER INFORMATION

Joseph L. Mayne MS 0024

Joseph L. Mayne Well Drilling

5512 Ridge Rd Mt. Airy 21771

Signature: Joseph L. Mayne Date: 7/26/2000

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation (D)
Farming (Livestock Watering & Agricultural Irrigation) (F)
Industrial, Commercial, Dewatering (I)
Public Water Supply Well (P)
Test, Observation, Monitoring (T)
Geo-Thermal (G)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME 13 COUNTY NO.

STATE SIGNATURE INSERT S

DATE ISSUED 08 02 00 8/1/01

CO SIGNATURE EXP. DATE

NORTH GRID 531 000 EAST GRID 0771 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 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 DEEPEMED WELL'S (CIRCLE APPROPRIATE BOX)

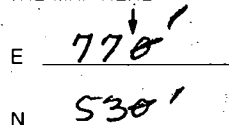
- THIS WELL WILL NOT REPLACE AN EXISTING WELL (N)
THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED (Y)
THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS (S)
THIS WELL WILL DEEPEM AN EXISTING WELL (D)

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



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

N



Handwritten notes: 'Old Sawmill Rd + well', 'Jennings Chapel Rd', '2118100', '7500 GROSS', 'Mined - No Insp 9/19/00 HP'

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

APPROX. PERMIT NUMBER

PERMIT No. Ho - 94 - 2784

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

APPLICATION

PERCOLATION TESTING

A 59946

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/D 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

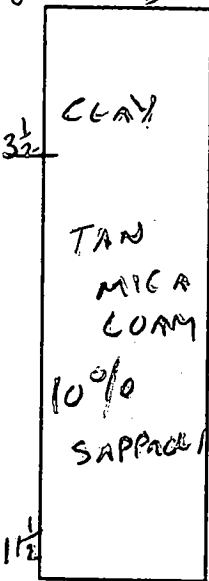
NICHOLS SUBD,

A55946

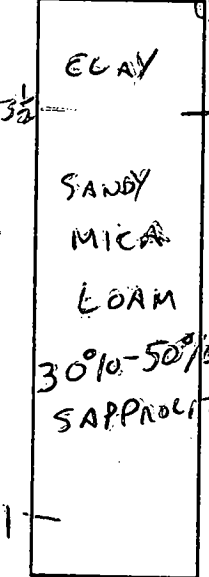
COUNTY #

SOIL PROFILE

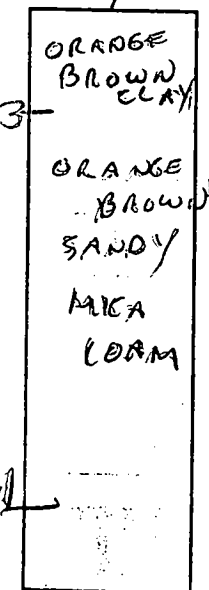
28B 28A



28E (NOT)

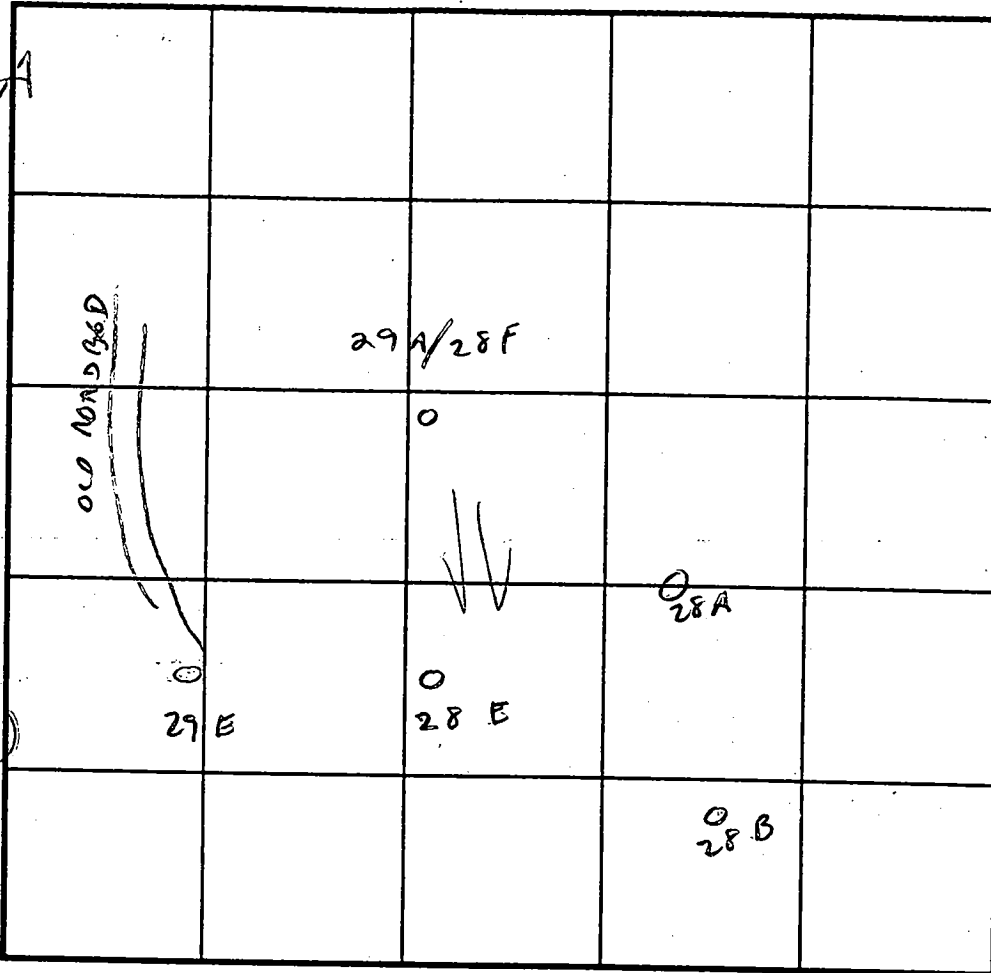
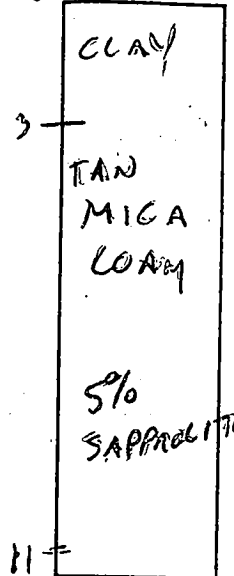


29A/28F



SOIL PROFILE

29E



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	28B	3 1/2	3:15	3:18	3:18	3:22	4 MIN
	28A	3 1/2	3:15	3:19	3:19	3:23	4 MIN
	28E	3 1/2	3:22	3:25	3:25	3:29	4 MIN
	QUESTIONABLE - ROCK Y (30' TO STEEP SLOPE)						
	28A/28E	3	3:23	3:30	3:30	3:40	10 MIN
	29E		3:28	3:29	3:29	3:31	2 MIN

REMARKS

TYPE OF SOIL

TESTED BY C. Wilton

ALSO PRESENT SHARP

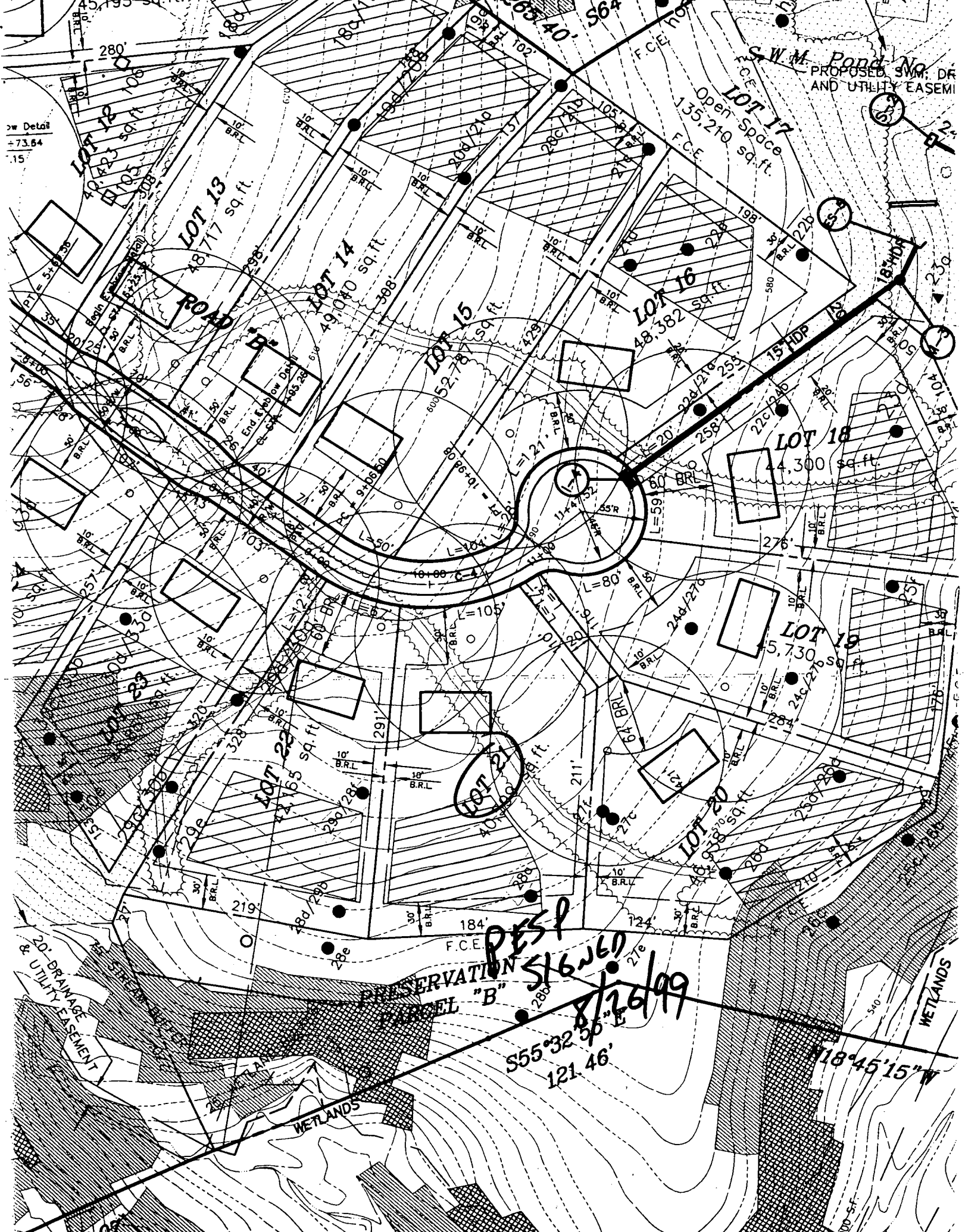
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM



sw Detail
= 73.64
.15

S.W.M. Pond No. 9
PROPOSED SYM. DR
AND UTILITY EASEM

LOT 12
45,195 sq. ft.

LOT 13
18,717 sq. ft.

LOT 14
49,100 sq. ft.

LOT 15
52,778 sq. ft.

LOT 16
48,382 sq. ft.

LOT 17
135,210 sq. ft.

LOT 18
44,300 sq. ft.

LOT 19
45,730 sq. ft.

LOT 21
44,165 sq. ft.

LOT 20
46,938 sq. ft.

RESERVATION
PARCEL "B"

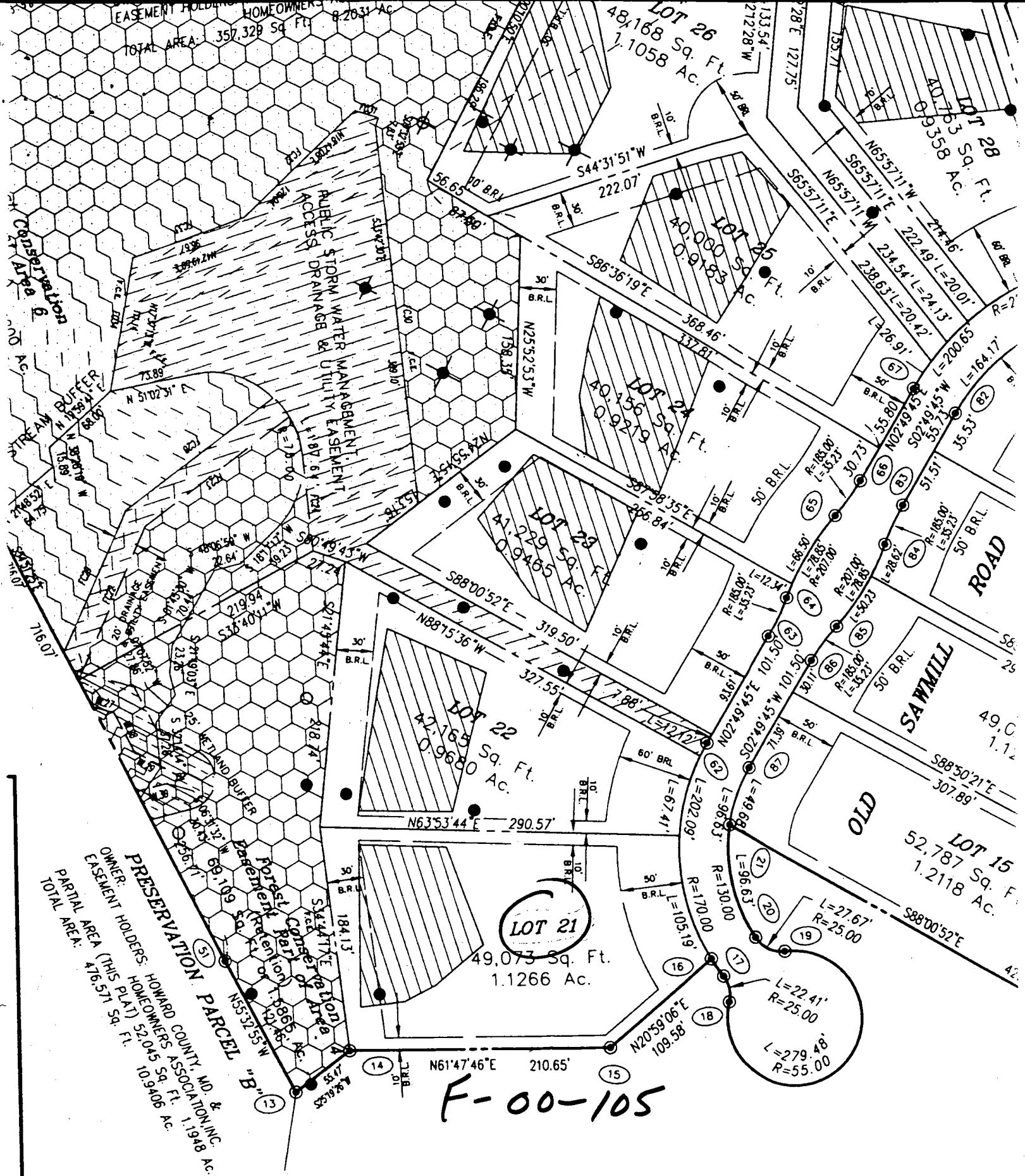
PRES
516 WED
8/26/99
S55°32'35"E
121.46'

N18°45'15"W

20' DRAINAGE
& UTILITY EASEMENT

WETLANDS

WETLANDS



STEMS
AN OF
TY

Surveyor's Certificate

I, Marshall W. Nichols, inc hereby adopt this plan of subdivision Department of Planning and Zoning Howard County, Maryland, its succ:
(1) The right to lay, constr utilities and services, in easement shown hereo

