

LAYOUT 2/25/03 11:30 INSP 4 \_\_\_\_\_  
INSP 2 3/11/03 Final 10:00 INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

04-3655a3

ISSUE DATE: 2/6/2003

P 518537

APPROVAL DATE: 3/11/03


A 59946-E

# 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 @ Cherry Grove LOT NUMBER: 9  
ADDRESS: 16821 Colton Court 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 as shown on the approved site plan. Run Trenches on contour.
NOTES:	Basement service by gravity is not proposed.

PLANS APPROVED: Steven R. Krieg  DATE: 8/06/2002

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**  
ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

5-23-03-600 141 211 -UG PROPRANE TANK

A59946-E



**COLTON COURT**  
(40' R/W)

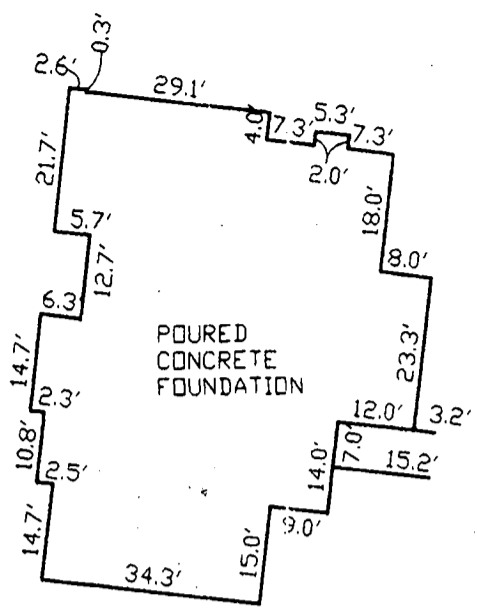
10' PUBLIC TREE  
MAINT. ESM'T.  
PER PLAT NO. 14809

L=12.22'  
R=130.00'



LOT 10

2/6/03  
OK SRK  
Wall Check



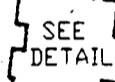
FOUNDATION DETAIL

SCALE: 1" = 30'

LOT 8

PRESERVATION PARCEL "A"  
NON-BUILDABLE  
RETAINED BY OWNER  
EASEMENT HOLDERS ARE HOWARD COUNTY, MD &  
THE WESTWOODS OF CHERRY GROVE  
HOMEOWNERS ASSOCIATION, INC.  
5.65 AC±

LOT 9



William Clay Mayne  
Cliff Mayne  
766/121 Mayne  
P. 285  
ZONING RC-DED

Paula McDonald Brown  
2216/357  
P. 123  
ZONING RC-DED

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 11/28/02; 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

FIRST FLOOR ELEVATION = 594.4'  
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

DAVID M. HARRIS  
REGISTERED PROFESSIONAL LAND SURVEYOR  
MD REG. No. 10878  
FOR BENCHMARK ENGINEERING, INC.  
MD REG. No. 351  
RECORD PLAT No. 14809  
FEMA FIRM No. 240044 0013 B  
ZONE: C  
DATED: 12/04/86

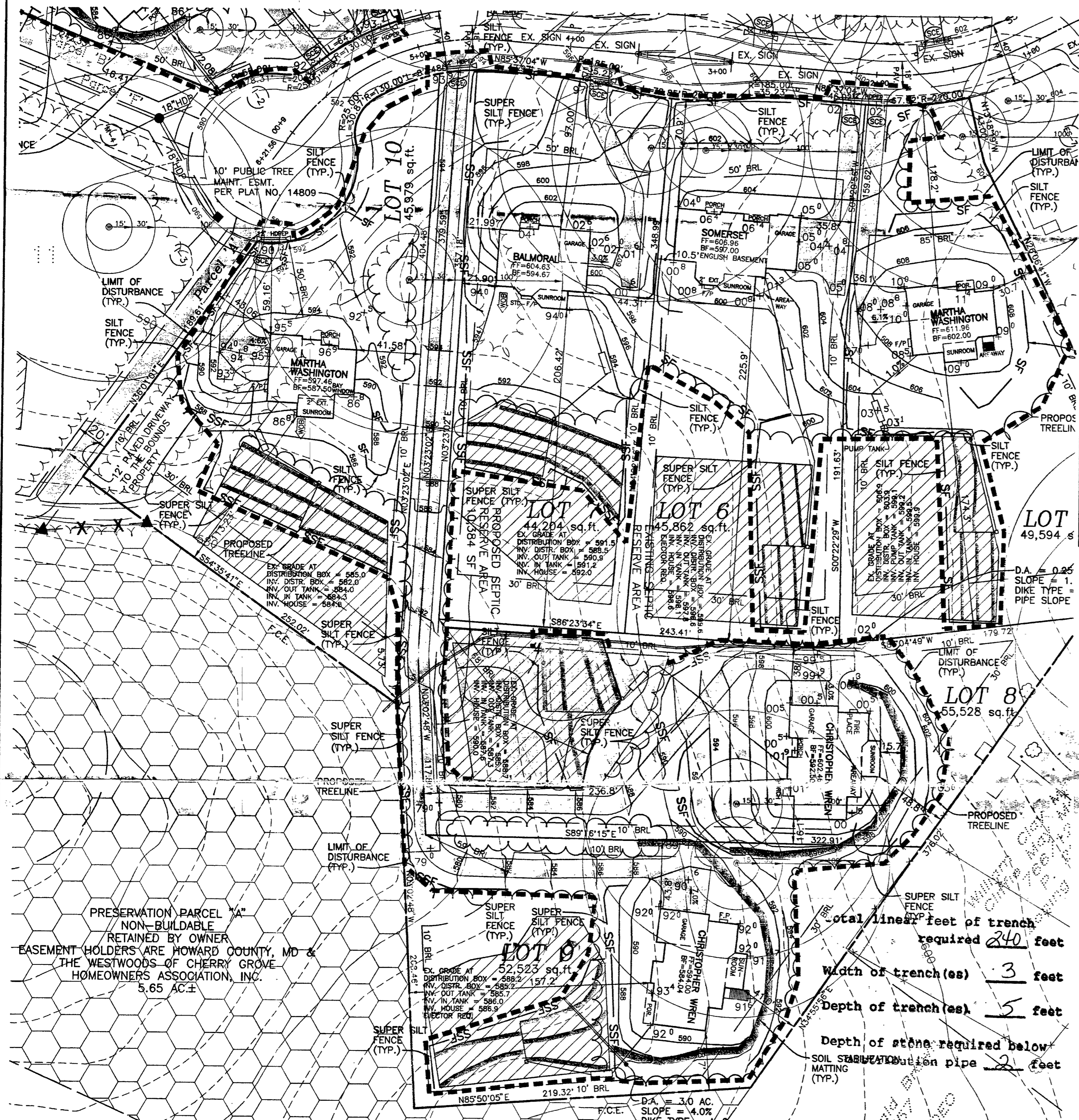


**BENCHMARK**  
ENGINEERING, INC.  
ENGINEERS • LAND SURVEYORS • PLANNERS

8450 BALTIMORE NATIONAL PIKE & SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
phone: 410-483-8105 A fax: 410-485-8844  
email: benchmark@earthlink.net

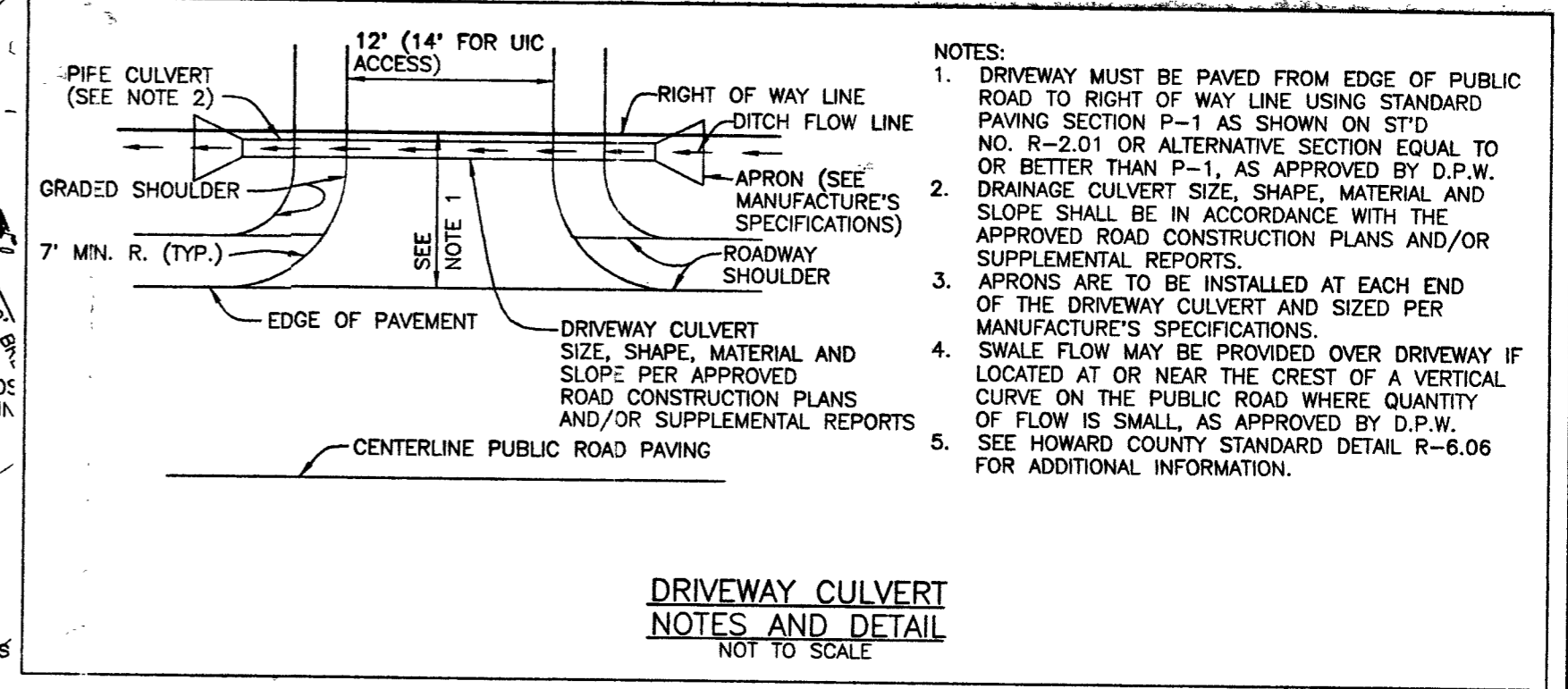
WALL CHECK  
THE WESTWOODS OF  
CHERRY GROVE  
LOT No. 9

16821 COLTON COURT  
4TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 100' DATE: 11/28/02



**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.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
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).



- NOTES:**
1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT OF WAY LINE USING STANDARD PAVING SECTION P-1 AS SHOWN ON STD. NO. R-2.01 OR ALTERNATIVE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
  2. DRAINAGE CULVERT SIZE, SHAPE, MATERIAL AND SLOPE SHALL BE IN ACCORDANCE WITH THE APPROVED ROAD CONSTRUCTION PLANS AND/OR SUPPLEMENTAL REPORTS.
  3. APRONS ARE TO BE INSTALLED AT EACH END OF THE DRIVEWAY CULVERT AND SIZED PER MANUFACTURE'S SPECIFICATIONS.
  4. SWALE FLOW MAY BE PROVIDED OVER DRIVEWAY IF LOCATED AT OR NEAR THE CREST OF A VERTICAL CURVE ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL, AS APPROVED BY D.P.W.
  5. SEE HOWARD COUNTY STANDARD DETAIL R-6.06 FOR ADDITIONAL INFORMATION.

**LEGEND**

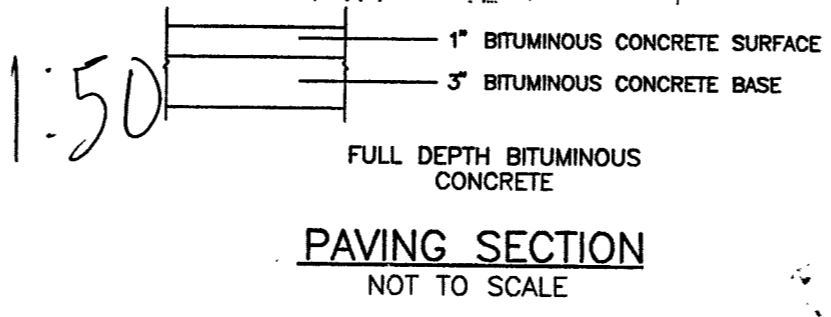
- LIMIT OF DISTURBANCE
  - EX. SILT FENCE
  - PROP. SILT FENCE
  - EX. SUPER SILT FENCE
  - PROP. SUPER SILT FENCE
  - EX. EARTH DIKE
  - PROP. EARTH DIKE
  - STABILIZED CONSTRUCTION ENTRANCE
  - EXISTING CONTOUR
  - PROPOSED CONTOUR
  - EROSION CONTROL MATTING
- SF ———  
 SF ———  
 SSF ———  
 SSF ———  
 SCE ———  
 598 ———  
 612 ———

PRESERVATION PARCEL "A"  
NON-BUILDABLE  
RETAINED BY OWNER  
EASEMENT HOLDERS ARE HOWARD COUNTY, MD &  
THE WESTWOODS OF CHERRY GROVE  
HOMEOWNERS ASSOCIATION, INC.  
5.65 AC ±

Total linear feet of trench required 240 feet  
 Width of trench (es) 3 feet  
 Depth of trench (es) 5 feet  
 Depth of stone required below SOIL STABILIZATION pipe 2 feet  
 MATTING (TYP.)

Approved Septic System Plan  
Howard County Health Department

Signature *Steve R. Krieg* 8-01-02  
Date



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: 410-465-6644  
 EMAIL: benchmark@cois.com

OWNER/BUILDER: D.R. HORTON, INC. SUITE 230 1370 PICCARD DRIVE ROCKVILLE, MARYLAND 20850 1-301-670-6144	PROJECT: <b>THE WESTWOODS AT CHERRY GROVE LOT 9</b>
LOCATION: 16821 COLTON COURT WOODBINE, MD 21797 TAX MAP 13 - BLOCK 15 - PARCELS 140, 141, 142 AND P/O PARCEL 46 4th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	TITLE: <b>PERMIT PLAN</b>
HOUSE TYPE: <b>CHRISTOPHER WREN</b>	DATE: <u>JULY, 2002</u>
DESIGN: JMC	DRAFT: JMC
SCALE: 1" = 50'	PROJECT NO. 1431 DRAWING <u>1</u> OF <u>1</u>

**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: Bon Lewis Inc Telephone #: 3014283900 X15  
Address: 23407 F Redbank Rd  
Clarksville 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): Mark Neale 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.P. Horton et al Telephone #: 3016206144  
Subdivision: Cherry Grove Lot #: 9 Well Tag #: HO-94-2768  
Site Address: 16824 Calton Ct  
Woodbine Md

**Submersible Pump Data**

Make: Emulex  
Model #: \_\_\_\_\_  
Pump Capacity 70 GPM  
Well Yield: 4.5 GPM

**Pitless Adapter**

Make: Campbell  
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 1 1/2" B.G.:   
Conduit secured to well cap:

Depth of well encountered at time of pump installation: \_\_\_\_\_ (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: Black 1"  
PSE: 200 (160 psi min)  
Depth of supply line: 36 (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: 1/17/03

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

Date Insp. Requested: 1/21/03 Date Insp. Approved: [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

Left a green  
Sticker.

C1 07857

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.

COUNTY NUMBER

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

H.O-94-2768

OWNER GROVEMONT DEVELOPMENT LLC STREET OR RFD COLTON COURT TOWN LISBON SUBDIVISION WEST WOODS AT CHERRY GROVE SECTION LOT 89

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (CM) (BC) NO. OF BAGS 18 NO. OF POUNDS 1672 GALLONS OF WATER 108 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 70 ft.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 10 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 28 ft. WHEN PUMPING 89 ft.

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. Rows: Brown Shale (0-50), Yellow clay (50-62), Brown Shale (62-77), Blue Rock (77-245).

CASING RECORD

MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 80

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

OTHER CASING (if used)

Table for OTHER CASING with columns: diameter (inch), depth (feet) from, to.

PUMP INSTALLED

DRILLER INSTALLED PUMP (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) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above ( ) below LAND SURFACE (nearest foot) 1

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 MSD024 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D

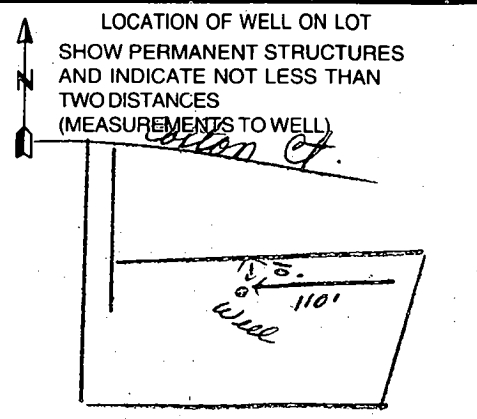
SCREEN RECORD (ST) (BR) (HO) (PL) (OT) screen type or open hole insert appropriate code below

DEPTH (nearest ft.) 79 245

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

70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA



B 1 5961

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HU - 94 - 2768

W514154 Please print or type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

GroveMont Development LLC

P.O. Box 417

Callicott City Md 21041

57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

Howard COUNTY

The Westwoods of Cherry Grove

SECTION 44 46 LOT 5 48 50

Liabon NEAREST TOWN

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

DRILLER INFORMATION

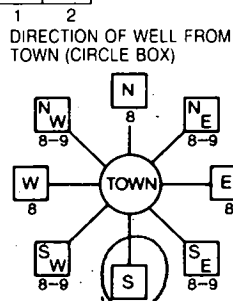
Joseph L. Mayne MSD024

Joseph L. Mayne Well Drilling

5512 Ridge Rd Mt. Airy Md 21771

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

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Colton Ct. NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 300 37 DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: BLK: PARCEL:

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)

- 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 05 09 00 CO SIGNATURE EXP. DATE 8/8/01

NORTH GRID 529 000 EAST GRID 0772 000

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

REPLACEMENT OR DEEPEMED WELLS (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 DEEPEAN AN EXISTING WELL (D)

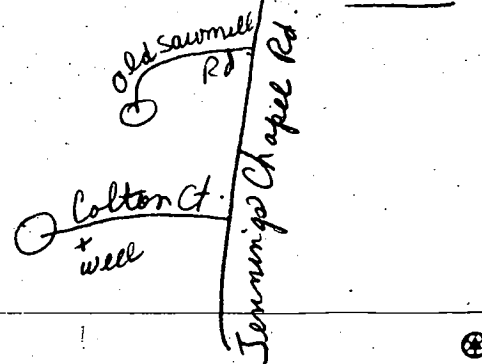
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. Well

WRITE THE BOX NUMBER FROM THE MAP HERE

E 770 N 530

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)

APPROX. PERMIT NUMBER

PERMIT No. HU - 94 - 2768

SPECIAL CONDITIONS

# 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 WOODBINE, 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) 698-0696

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

NICHOLS SUBD.

A 59946

COUNTY #

SOIL PROFILE  
5G

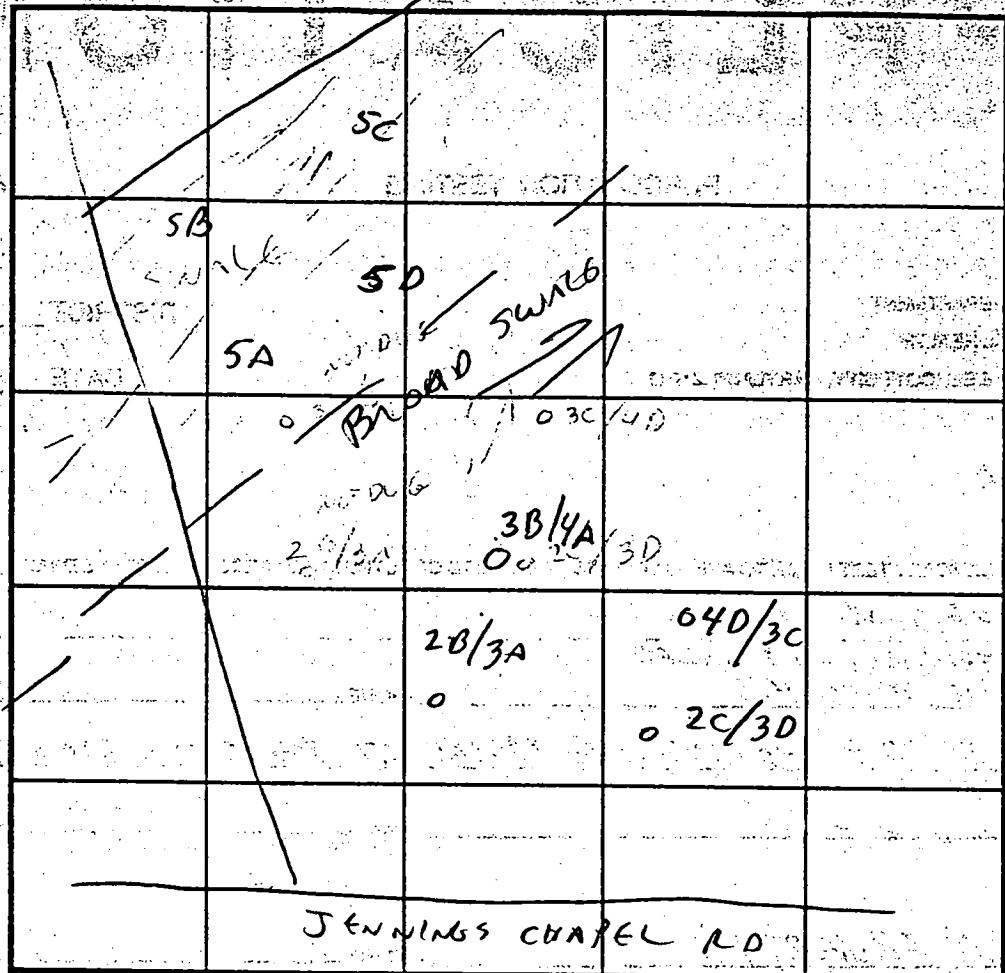
CLAY  
YELLOW SILT LOAM  
MICA LOAM

SE ORC

CLAY  
MICA LOAM  
40% SAPPALITE  
LOAM  
10% SAPPALITE

4D/3C

CLAY LOAM  
MICA LOAM  
ISOLATED POCKET SAPPALITE  
MICA LOAM



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE  
2C/3D

CLAY LOAM  
3 1/2  
TAN MICA LOAM  
10-20% SAPPALITE  
10  
EXCESSIVE SAPPALITE  
11

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/14/98	5A/5B	ABANDONED BY CONTRACTOR					
	5G	3'	1:29	1:34	1:34	1:40	6 MIN
	(OR SC) 5E	1 1/2'	1:42	1:45	1:45	1:49	4 MIN
		MARGINAL - 16	ROCK,	OK BELOW 9'			
	4D/3C	4'	2:00	2:03	2:03	2:06	3 MIN
		MINOR ROCK POCKET	OK				
	2C/3D	5'	2:01	2:04	2:04	2:09	5 MIN
		EXCESS ROCK @ 10'	OK ABOVE				

REMARKS: 2 HOLES LISTED AS SE - ONE IS SC

TYPE OF SOIL: "

TESTED BY: C. Waller ALSO PRESENT: SHARP

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

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

COUNTY #:

SOIL PROFILE

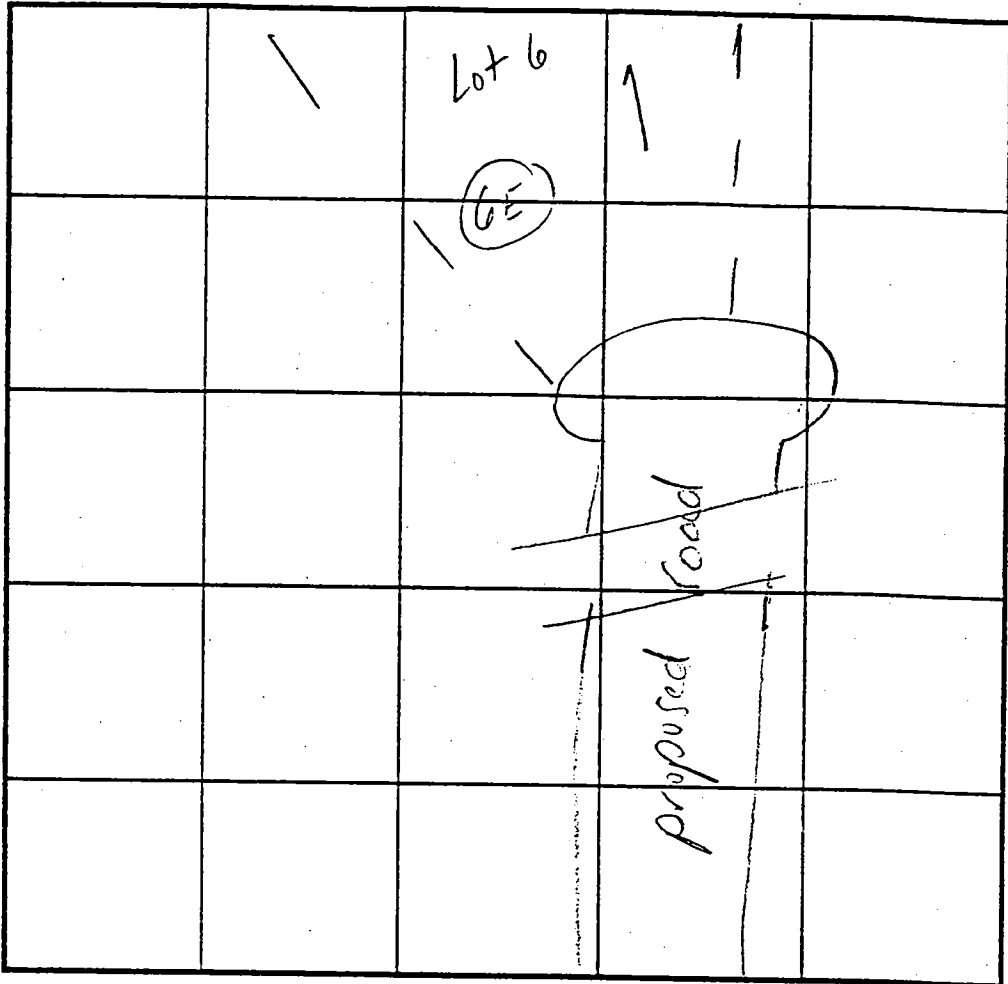
0'   
 6E   
 Orange   
 brown   
 clay   
 loam

0'   
 brown   
 red   
 silty   
 mica   
 flecks   
 15%   
 shale

5F

or/br   
 clay   
 loam

pink   
 brown   
 silty   
 20%   
 shale   
 frags   
 ↓



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Jennings Chapel

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5.21.98	✓ 6E	10.0'0	visual	only	-ok see	profile	
	✓ 5F	12.0'0	visual	only	-ok see	profile	

REMARKS test holes staked

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

TESTED BY Kim Maiste ALSO PRESENT Nick Sharp

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

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_

A59946

COUNTY #

SOIL PROFILE  
4C/6D

Yellow/Brown  
CLAY  
RED  
Brown  
CLAY  
LOAM  
DRY

4B/6A

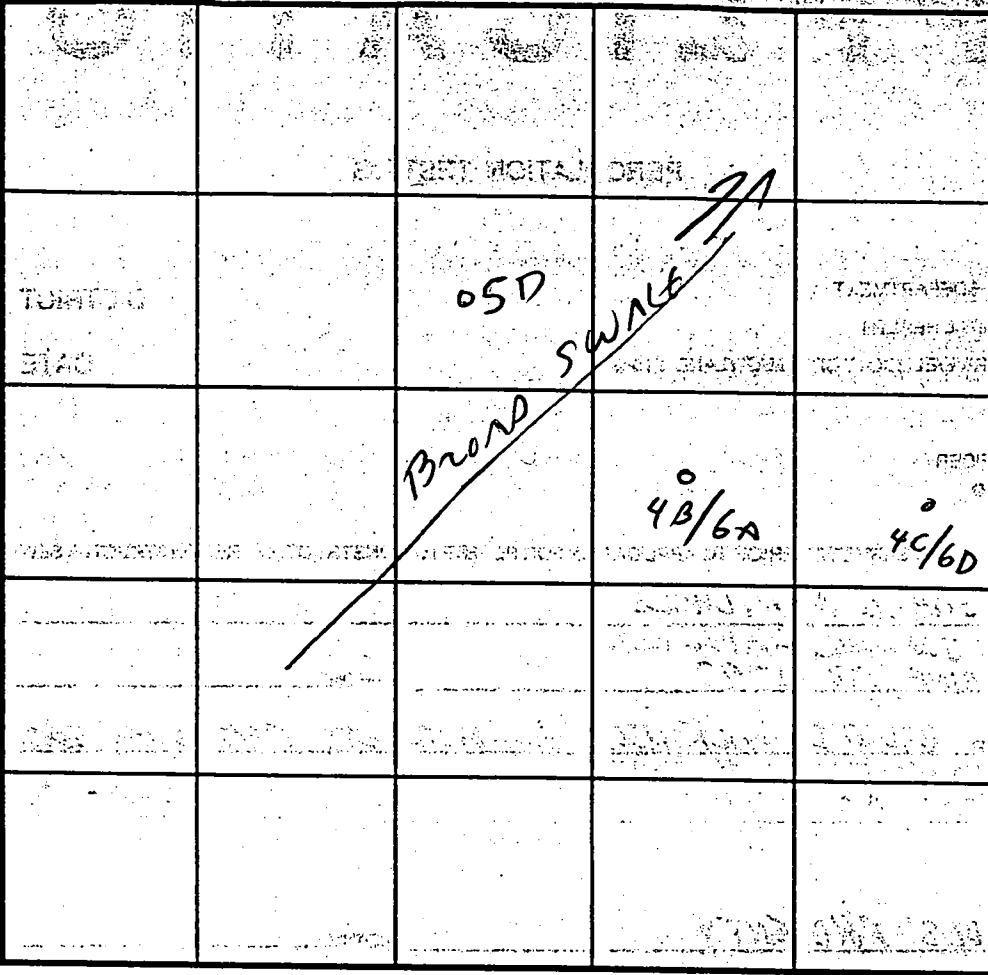
YELLOW  
Brown  
CLAY  
YELLOW  
Brown  
MICR  
SILT  
LOAM

MOISTURE

SEEPAGE

SD

TOP SOIL  
STRUCTURED  
CLAY/LOAM  
MICR  
LOAM  
60%  
SAPPAHITE



SOIL PROFILE

0' SE (ON SC)  
CLAY  
3'  
PARTLY  
YELLOW BROWN  
ORANGE  
Brown  
MICR  
LOAM  
2810  
SAPPAHITE  
11'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/14/98	4C/6D	4'	12:54	1:00	1:00	1:07	7 MIN
	4B/6A	4'	1:11	TEST BOLT COLLAPSED			OK
			OK 4	10'	ESTIMATE 25 MIN PER		
	SD	4'	1:14	1:17	1:17	1:20	3 MIN
			Failed @ 6' - ROCK				X
			BUT GOOD SOIL STRUCTURE - POSSIBLE FOR ELEVATED TRENCHES				
			OR SAND MOUND EVALUATION IF NOT DO.				
	(ON SC) SE	3'	1:23	1:25	1:25	1:28	3 MIN

REMARKS LOT 5 - STRUCTURE CLAY - HAS SAND MOUND POSSIBILITIES

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





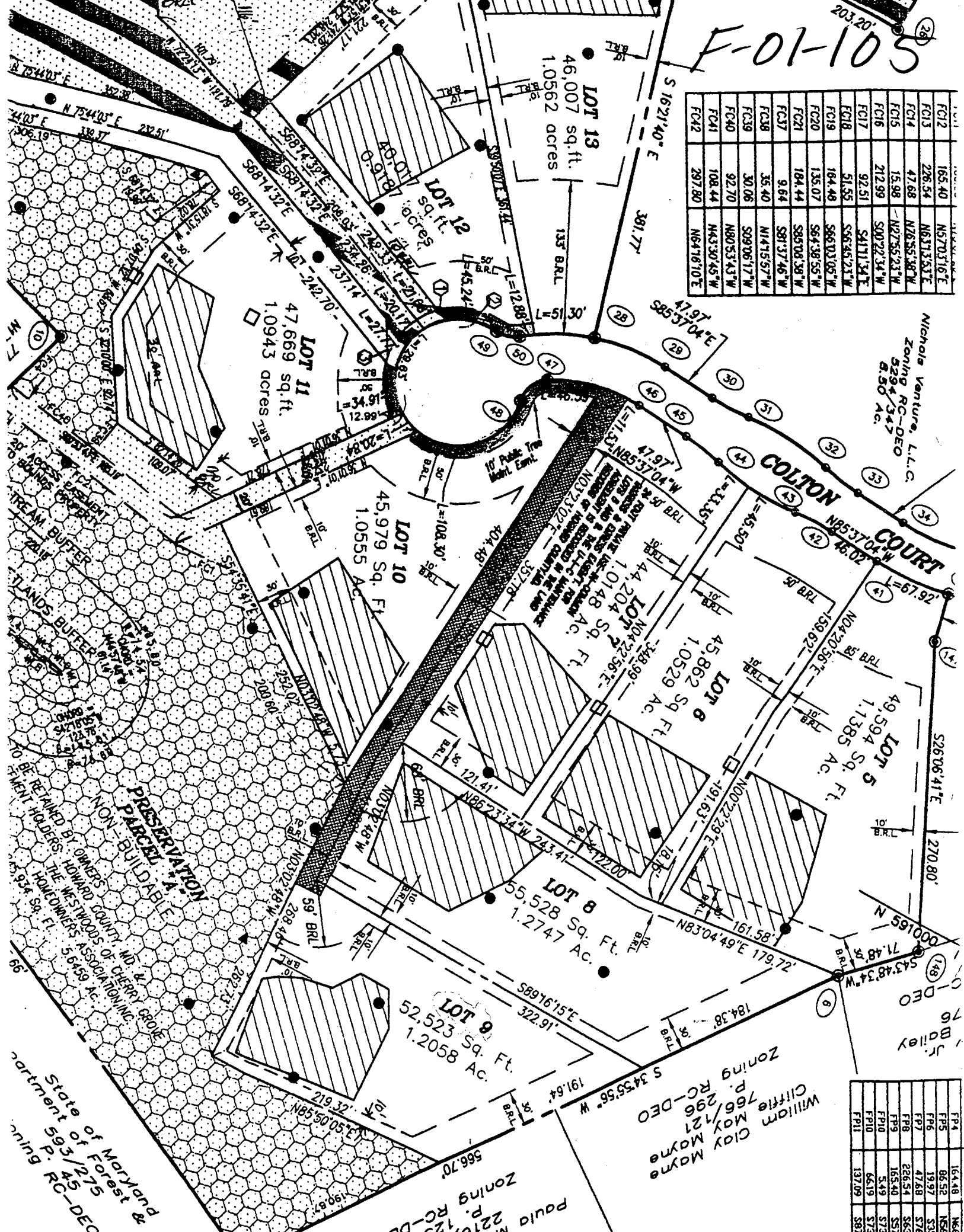


F-01-105

FC12	165.40	N57°03'16"E
FC13	226.54	N63°15'53"E
FC14	47.68	N26°55'38"W
FC15	15.98	N27°55'23"W
FC16	212.99	S00°22'34"W
FC17	92.51	S41°11'54"E
FC18	51.55	S63°45'21"W
FC19	184.48	S66°03'05"W
FC20	135.07	S64°38'55"W
FC21	184.44	S85°08'36"W
FC22	9.64	S91°37'46"W
FC23	35.40	N14°15'57"W
FC24	30.06	S09°06'17"W
FC25	92.70	N80°53'43"W
FC26	108.44	N43°30'45"W
FC27	297.80	N64°18'10"E

Nichols Venture, L.L.C.  
Zoning RC-DEO  
5294/347  
8.50 AC.

COLTON COURT



LOT 13  
46,007 sq. ft.  
1.0562 acres

LOT 12  
49,011 sq. ft.  
1.1218 acres

LOT 11  
47,669 sq. ft.  
1.0943 acres

LOT 10  
45,979 Sq. Ft.  
1.0555 AC.

LOT 8  
45,862 Sq Ft.  
1.0529 AC.

LOT 5  
49,594 Sq. Ft.  
1.1385 AC.

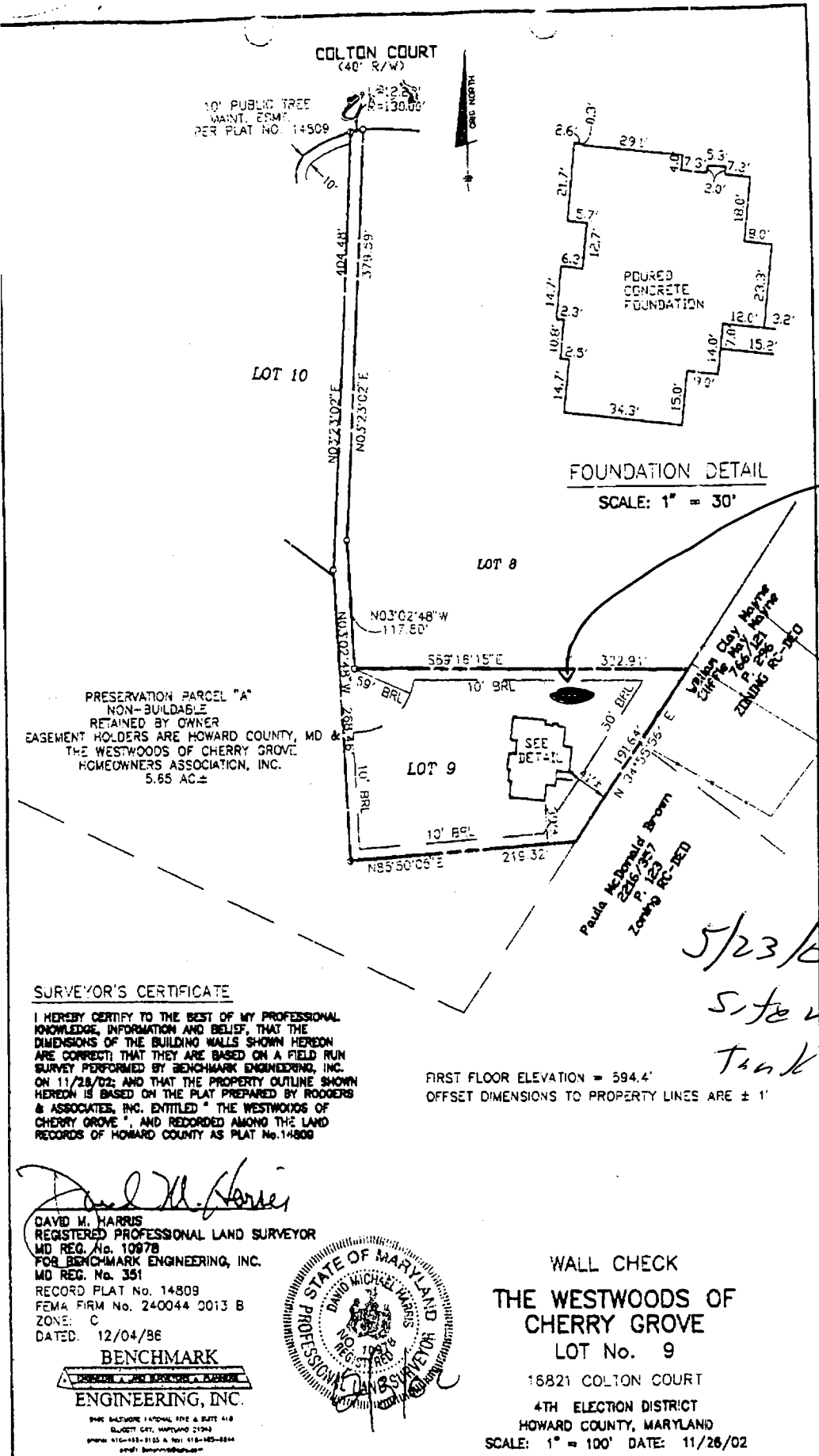
LOT 8  
55,528 Sq. Ft.  
1.2747 AC.

LOT 9  
52,523 Sq. Ft.  
1.2058 AC.

William Clifflie  
Clay Mayme  
766/296  
Zoning RC-DEO

FP4	164.48	N65°11'10"E
FP5	86.52	N53°09'00"E
FP6	19.97	S23°09'00"E
FP7	47.68	S76°55'38"W
FP8	226.54	S63°15'53"W
FP9	165.40	S57°03'16"W
FP10	5.49	S73°00'00"W
FP11	66.19	S73°00'00"W
FP12	137.09	S87°41'00"W

State of Maryland &  
Department 593/275  
Zoning RC-DEO



1000 Gallon  
UNDERGROUND  
Propane Tank

BOONH211

5/23/03

Site visit  
Tank already in  
(SO)

**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 11/28/02; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY ROGERS & ASSOCIATES, INC. ENTITLED "THE WESTWOODS OF CHERRY GROVE", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 14809

FIRST FLOOR ELEVATION = 594.4'  
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

*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.  
ONE BALTIMORE NATIONAL BLDG & SUITE 418  
BLUETT CRT, WASHINGTON 21201  
PHONE 410-551-2125 & 410-518-1854  
FAX 410-551-2126



WALL CHECK  
**THE WESTWOODS OF CHERRY GROVE**  
LOT No. 9  
16821 COLTON COURT  
4TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 100' DATE: 11/26/02