

LAYOUT 2/25/02 10:00 INSP 4 _____
 INSP 2 3/5/02 PM INSP 5 _____
 INSP 3 [Signature] INSP 6 _____

ISSUE DATE: 2/1/2002

APPROVAL DATE: 3/7/02

PERMIT INDEXED

04-365836

P 516500

A 59947-A

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

Miller Excavating Company, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 13850 W Old Baltimore Rd, Boyds PHONE NUMBER: 301-349-4400

SUBDIVISION: Westwoods @ Cherry Grove LOT NUMBER: 30

ADDRESS: 16920 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: 210

LINEAR FEET OF TRENCH REQUIRED: 290

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 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 85 Feet from the rear 196.29 Feet lot line and 85 Feet from the left 222.16 Feet lot line. Run trenches on contour in both directions.
NOTES:	Trenches to be 10 Feet center to center, 290 Feet of trench installed to maximum use of area.

PLANS APPROVED: Brian Baker *OK SRM 11/27/01* DATE: 11/21/2001

- 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 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

ALL PLANS REVIEWED AND RETURNED 3-20-02
ALL PLANS REVIEWED AND RETURNED 3-18-2002
BDD 134980 screened Porch/Deck
BOU 134766 U6 PROpane TANK
A59947-A

**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 #: 301 458 3500
Address: 23407 F. Woodcock Rd.
Clarksville, Md 21031

(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 Henkel 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 & Co Telephone #: 301 670 6144
Subdivision: Cherry Grove Lot #: 30 Well Tag #: HO-74-2789
Site Address: 16950 Old Sawmill Rd
Woodbridge, Md

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Grundfos</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u> </u>
Model #: <u> </u>	Model #: <u> </u>	Screened, vented well cap: <u> </u>
Pump Capacity <u>1/2</u> GPM	Depth: <u>40</u> (36" min)	Cap secured to casing: <u> </u>
Well Yield: <u>3</u> GPM	NSF approved: <u> </u>	Conduit min 18" B.G.: <u> </u>
Depth of well encountered at time of pump installation: <u> </u> (feet)		Conduit secured to well cap: <u> </u>

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: <u>OK 1"</u>	PVC sleeved to undisturbed soil at wall penetration: <u> </u>
PSI: <u>200</u> (160 psi min)	Approximate length of sleeve: <u>36</u>
Depth of supply line: <u>36</u> (36" min)	Sleeve caulked and sealed properly: <u> </u>

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.

Mark Henkel Signature of company representative responsible for installation 2/19/02 date

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

Date Insp. Requested: 2/19/02 Anytime Date Insp. Approved: 2/19/02 K6
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

Called & verified OK HB cover K6

C1 07878

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER 13

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-94-2789

OWNER GROVEMONT DEVELOPMENT STREET OR RFD OLD SAWMILL RD. TOWN LISBON SUBDIVISION WESTWOODS OF CHERRY GROVE SECTION LOT 26 30

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

GROUTING RECORD section including WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, and DEPTH OF GROUT SEAL.

CASING RECORD section including casing types (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter (6), and Total depth (73).

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

SCREEN RECORD section including screen type (ST, BR, HO, PL, OT) and DEPTH (71, 120).

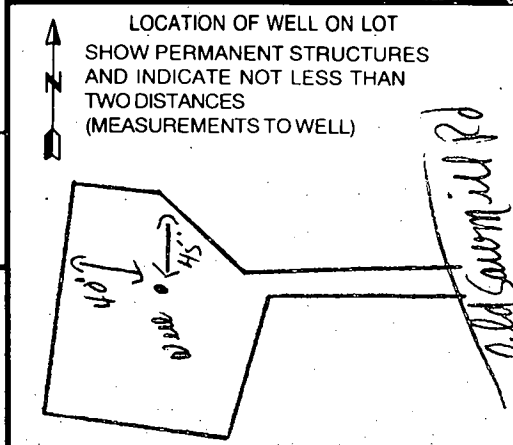
DEPTH (nearest ft.) section with a grid for recording depth measurements from 1 to 76 feet.

GRAVEL PACK section with fields for IF WELL DRILLED WAS FLOWING WELL and INSERT F IN BOX 68.

MDE USE ONLY section with fields for TELESCOPE CASING, LOG INDICATOR, and OTHER DATA.

PUMPING TEST section including HOURS PUMPED (3), PUMPING RATE (80), METHOD USED (Bucket), WATER LEVEL, and TYPE OF PUMP USED (S - submersible).

PUMP INSTALLED section including DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED (S), CAPACITY (31 GPM), and PUMP HORSE POWER (37).



Administrative section including NUMBER OF UNSUCCESSFUL WELLS (0), WELL HYDROFRACTURED (Y), DRILLERS LIC. NO. (MS D024), DRILLERS SIGNATURE (Frank L. Mayne), LIC. NO. (D), and SITE SUPERVISOR information.

B 1	5981	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL <i>W514154</i> Please print or type	STATE PERMIT NUMBER H0 - 94 - 2789 <small>70 fill in this form completely 79</small>
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Date Received (APA) _____

OWNER INFORMATION

8 MM DD YY 13

Armorement 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
8 COUNTY 21

The Westwoods of Cherry Grove
23 SUBDIVISION 42

SECTION *44* 46 LOT *26 30* 48 50

Lusbon
52 NEAREST TOWN 71

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

DRILLER INFORMATION

Joseph L. Mayre M *SD024*
Driller's Name 76 License No. 81

Joseph L. Mayre Well Drilling
Firm Name

5512 Ridge Rd Mt. Airy Md 21771
Address

Joseph L. Mayre 7/26/2000
Signature Date

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

B 4

1 2

Old Sawmill Rd
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

WEST NORTH EAST SOUTH

34 *335* 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39

TAX MAP: *13* BLK: *15* PARCEL *46*

WELL INFORMATION

B 2

APPROX. PUMPING RATE *5*
(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)

22 INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard *13*
COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S →

DATE ISSUED *08 02 00* *Ceg Wilton* *8/1/01*
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID *531* 0 0 0 EAST GRID *0772* 0 0 0
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

- well*
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E *770 2*

N *530 1*

000
000 +

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTary DRIVE-POINT

other _____

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

39 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

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

Lusbon

well

OLD SAWMILL Rd.

Jennings Chapel Rd.

N

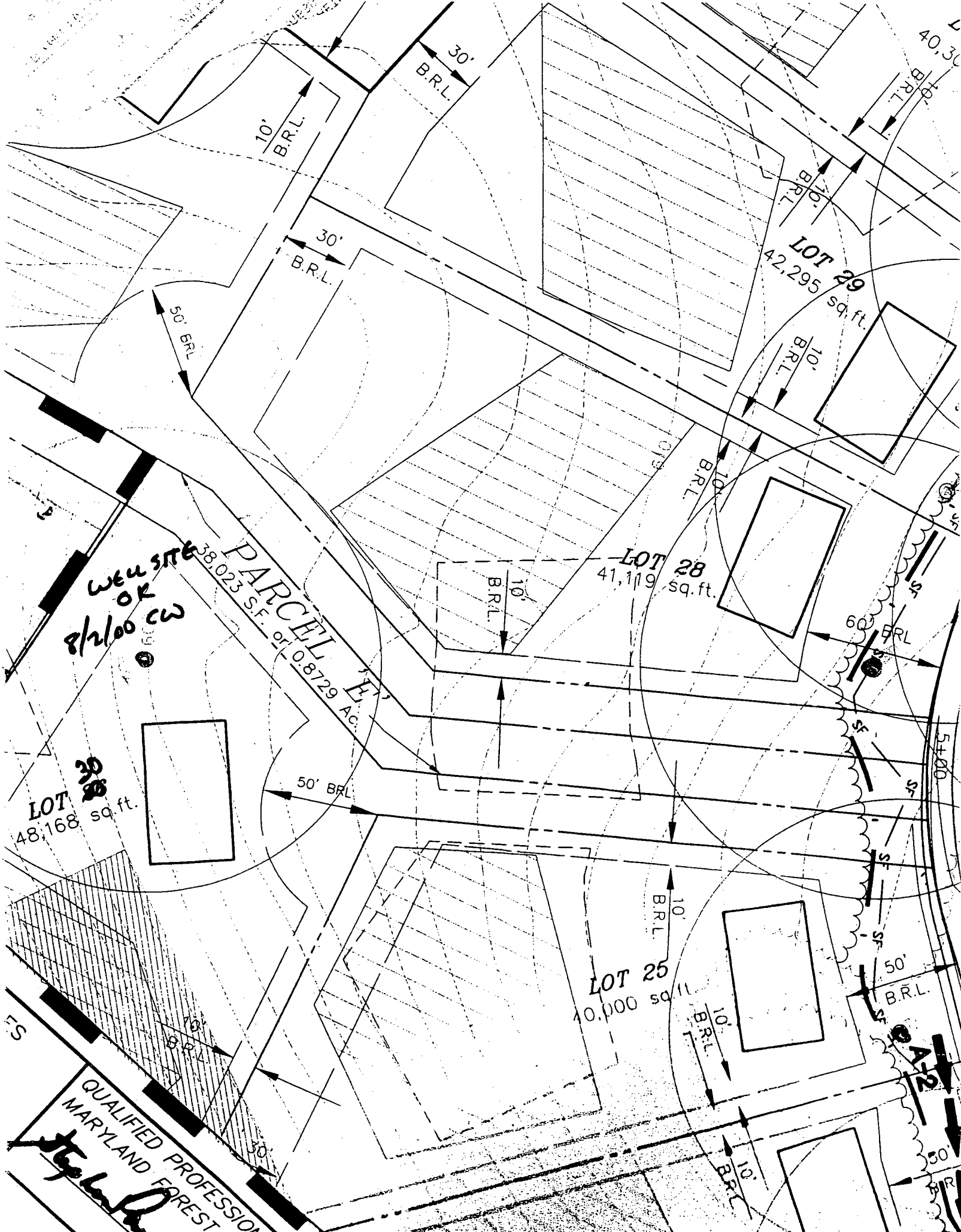
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____

PERMIT No *H0-94-2789*
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITY SHOULD USE SEPARATE SHEET IF NEEDED.



WEBSITE
OR
8/2/00 CW

LOT 27
48,168 sq. ft.

PARCEL E
38,023 S.F. or 0.8729 Ac.

LOT 28
41,119 sq. ft.

LOT 29
42,295 sq. ft.

LOT 25
40,000 sq. ft.

QUALIFIED PROFESSIONAL
MARYLAND FOREST
[Signature]

APPLICATION

PERCOLATION TESTING

A 59946

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

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
WOORINE, 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

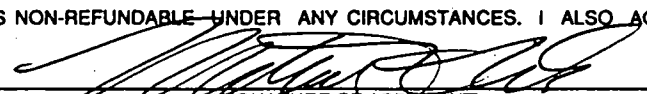
PROPERTY LOCATION:

IBDIVISION NICHOLS' PROPERTY LOT NO. _____

ROAD AND DESCRIPTION JENNINGS CHAPEL ROAD, HOWARD COUNTY

TAX MAP 13 PARCEL # P/046

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 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.

A59946

COUNTY #

SOIL PROFILE
35H

0'

CLAY

3'

TAN
MICA
LOAM

SPOTTY
ROCKS

7'

RED
BROWN
MICA
LOAM

11'

35G

3'

CLAY

SAUDY
MICA
SILT
(LOAM)

20%
SAPPROXIMATE

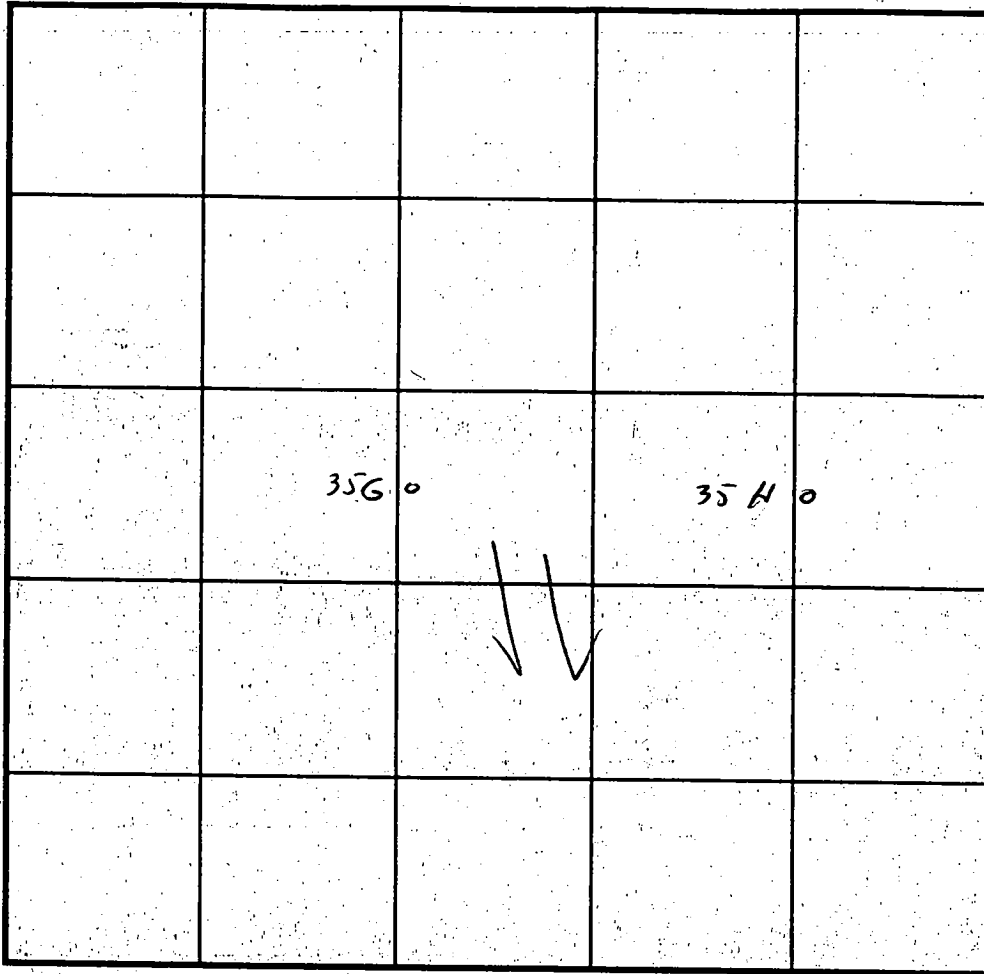
19'

EXCESS
SAPPROXIMATE

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	
4/14/98	35H	3 1/2	3:52	3:56	3:56	4:00	4 MIN
	35G	3 1/2	4:00	4:02	4:02	4:04	2 MIN

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

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
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:
SUBDIVISION NICHOLS' PROPERTY LOT NO. _____
ROAD AND DESCRIPTION JENNINGS CHAPEL ROAD, HOWARD COUNTY

TAX MAP 13 PARCEL # P/O 46
SIZE OF LOT 40,000 - 60,000 sq. ft. TYPE BLDG. SINGLE FAMILY DWELLING
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. [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

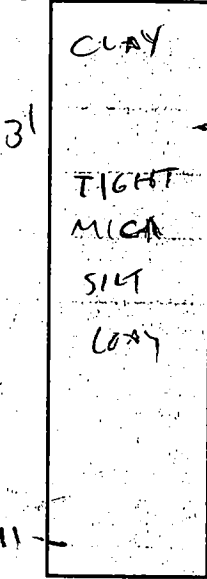
NICHOLS SUBO.

159946

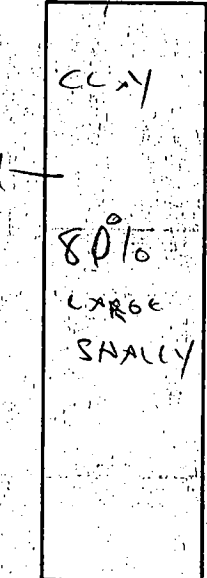
2100' TO 5' max

COUNTY #

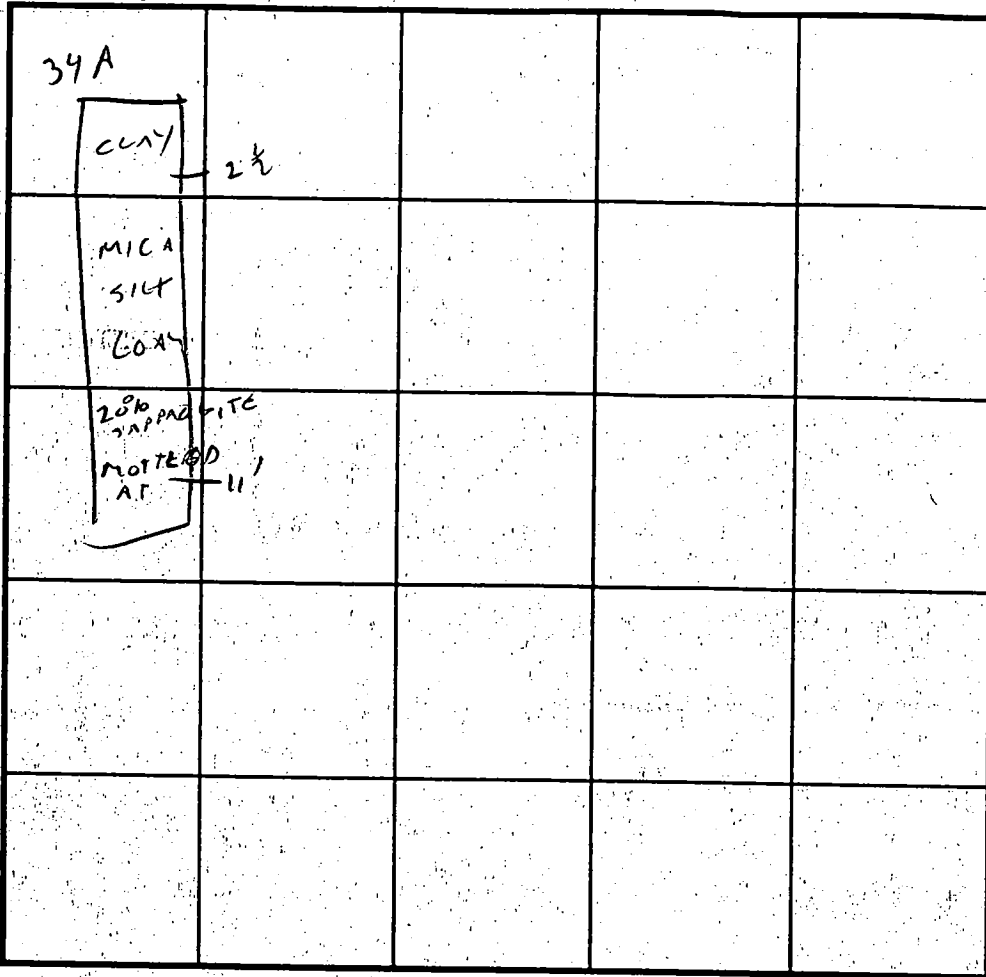
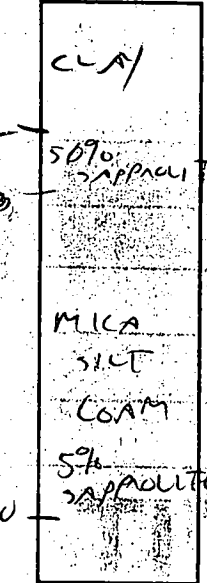
SOIL PROFILE 39E



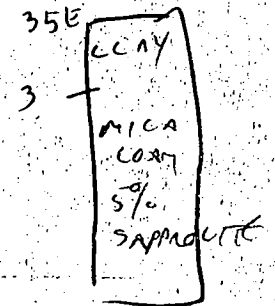
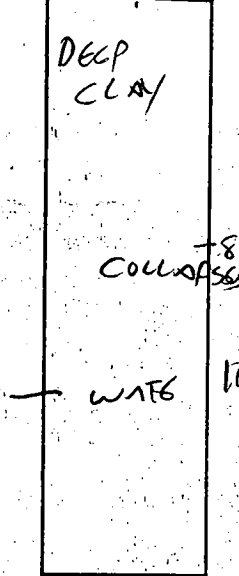
39/38B



35 F



SOIL PROFILE 35 B/37 D



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/15/97	39E	3 1/2'	3:29	3:42	3:42	4:04	22 MIN
	34A	AVG 3-10, NO 760 (a)				11'	VIS OK
	35 F	3'	3:38	3:41	3:41	3:44	3 MIN
	35 B/37 D	ABANDONED					WATER X
	35 E	3 1/2'	3:41	3:49	3:49	4:00	11 MIN

REMARKS 39B/D ABANDONED ROCK X

TYPE OF SOIL

TESTED BY CWL

ALSO PRESENT SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

LOT 10
49,998 sq. ft.

LOT 31
43,675 sq. ft.

LOT 30
40,308 sq. ft.

LOT 11
45,195 sq. ft.

LOT 29
42,295 sq. ft.

LOT 12
40,235 sq. ft.

LOT 13
48,717 sq. ft.

LOT 27
6,685 sq. ft.

LOT 28
41,718 sq. ft.

LOT 25
40,000 sq. ft.

LOT 24
40,000 sq. ft.

*PES
5/6/06
8/24/99*

S.W.M. Pond No. 3

PROPOSED SWM, DRAINAGE
AND UTILITY EASEMENT

RCP

20' DRAINAGE
& UTILITY EASEMENT

PRESERVATION

P. 105
Zoning RC-DEO

418.98'
N60°53'28"E

219.63'

N 59°30'00"

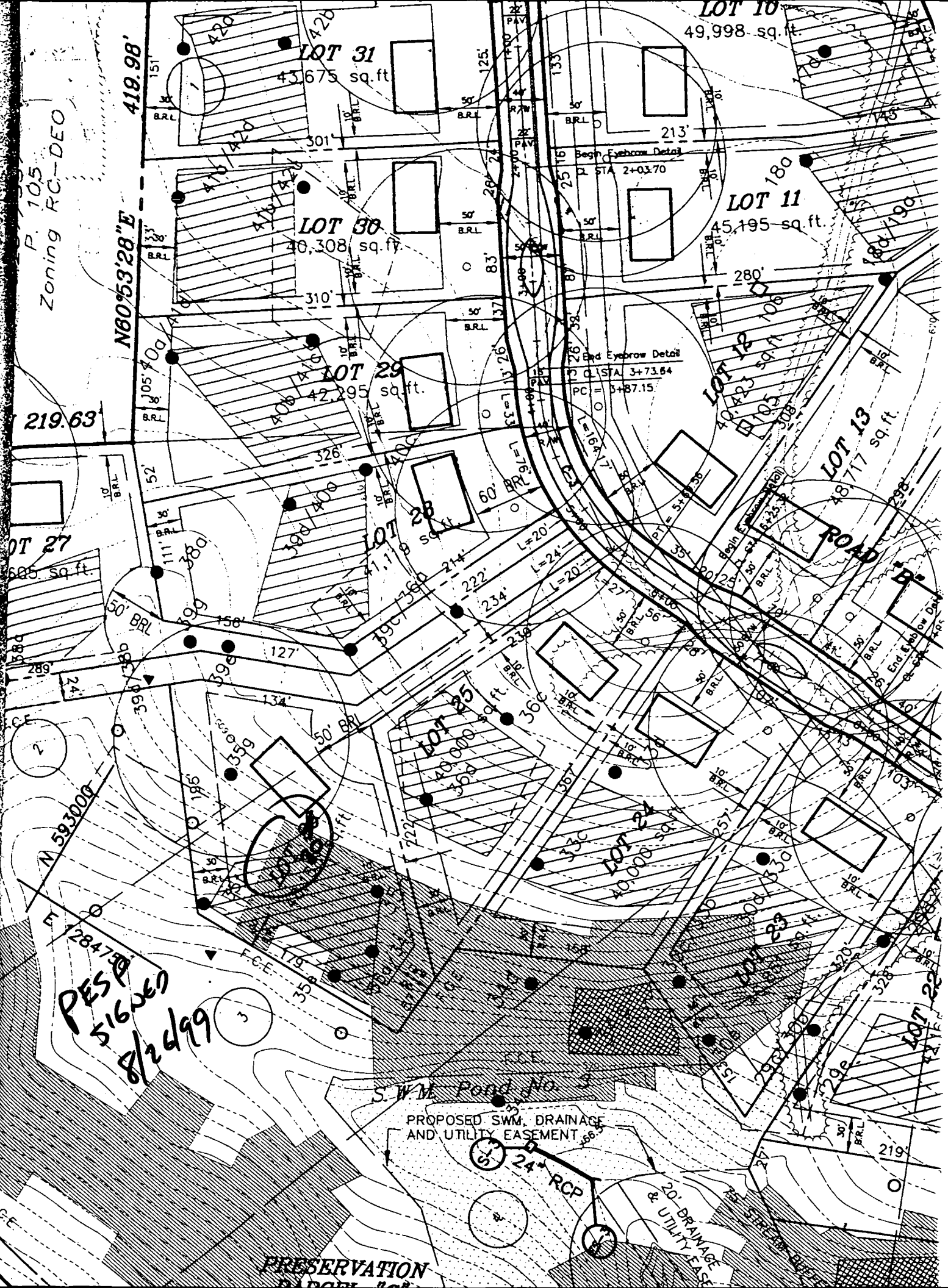
284.75'

219'

ROAD

Begin Eyebrow Detail
CL STA 2+03.70

End Eyebrow Detail
CL STA 3+73.64
PC = 3+87.15



PRESERVATION PARCEL "C"
NON-BUILDABLE

TO BE RETAINED BY OWNER
EASEMENT HOLDERS: HOWARD COUNTY, MD. &
THE WESTWOODS OF CHERRY GROVE HOMEOWNERS ASSOCIATION INC.
TOTAL AREA: 357,500 Sq. Ft. 8.2083 Ac.

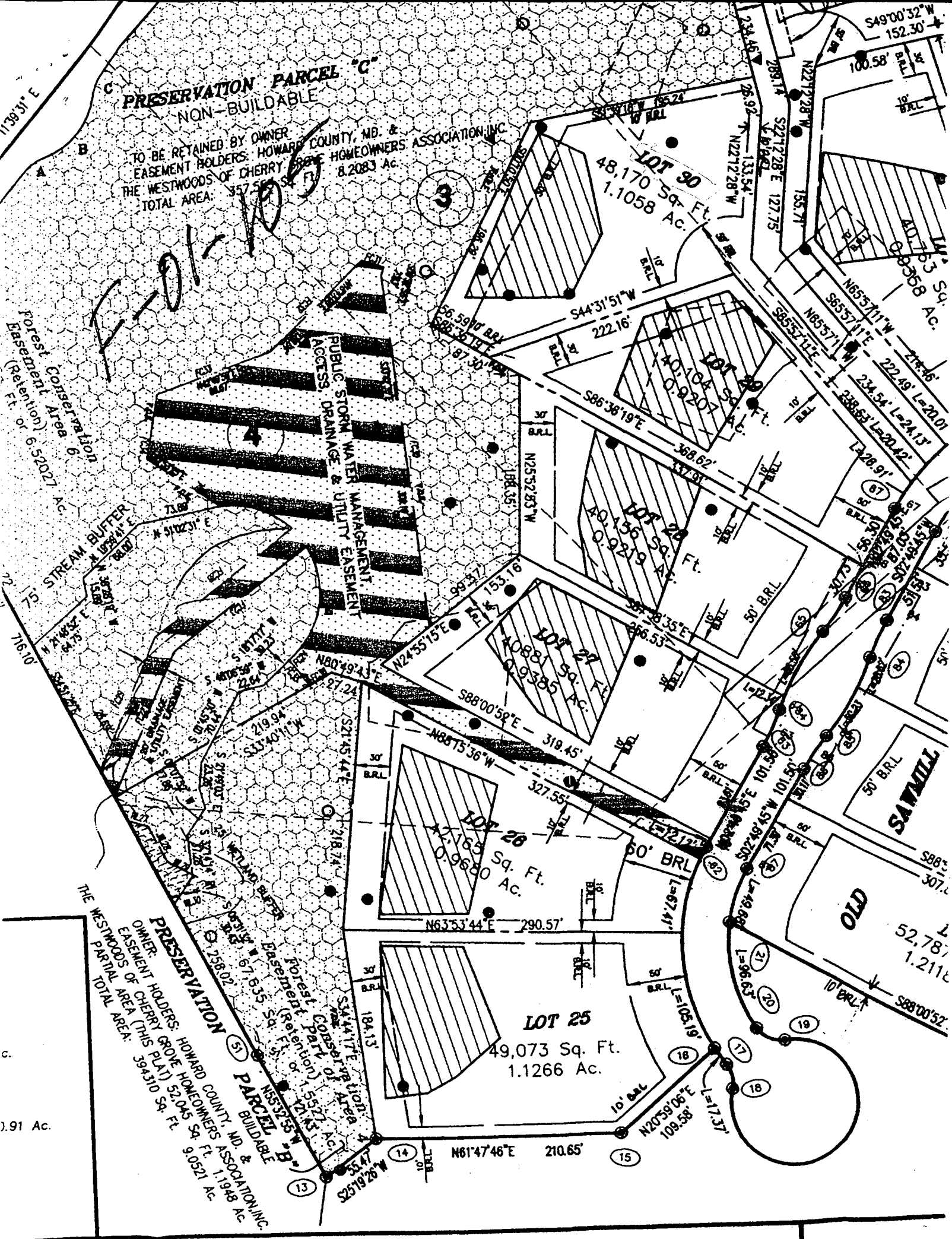
Forest Conservation
Easement (Retention) of 6,520.27 Ac.

STREAM BUFFER
Easement (Retention) of 1,176.10 Ac.

PUBLIC STORM WATER MANAGEMENT,
ACCESS, DRAINAGE & UTILITY EASEMENT

PRESERVATION PARCEL "B"
BUILDABLE
OWNER: HOWARD COUNTY, MD. &
EASEMENT HOLDERS: CHERRY GROVE HOMEOWNERS ASSOCIATION INC.
TOTAL AREA: 364,310 Sq. Ft. 8.3521 Ac.

0.91 Ac.



Sawmill

Old

C.

SECTION 6

SEDI VE

08 BC

30' BRL

68 89.4

EX. GRADE AT DISTRIBUTION BOX = 594.0
 INV. DISTR. BOX = 591.0
 INV. OUT TANK = 591.8
 INV. IN TANK = 592.1
 INV. HOUSE = 592.7

10' BRL
 S45°31'31"W
 222.08'

10' BRL

3.59

8'19" E

F.C.E.

87.30'

LIMIT OF DISTURBANCE (TYP.)

368.62' 10' BRL

387.91'

10' BRL

Proposed Skop Deck Pond

BALMORA
 FT = 605.63
 10' BRL = 595.67

Porch
 14' x 17'

036
 05 14'

PORCH

GAUGE!

013.02'

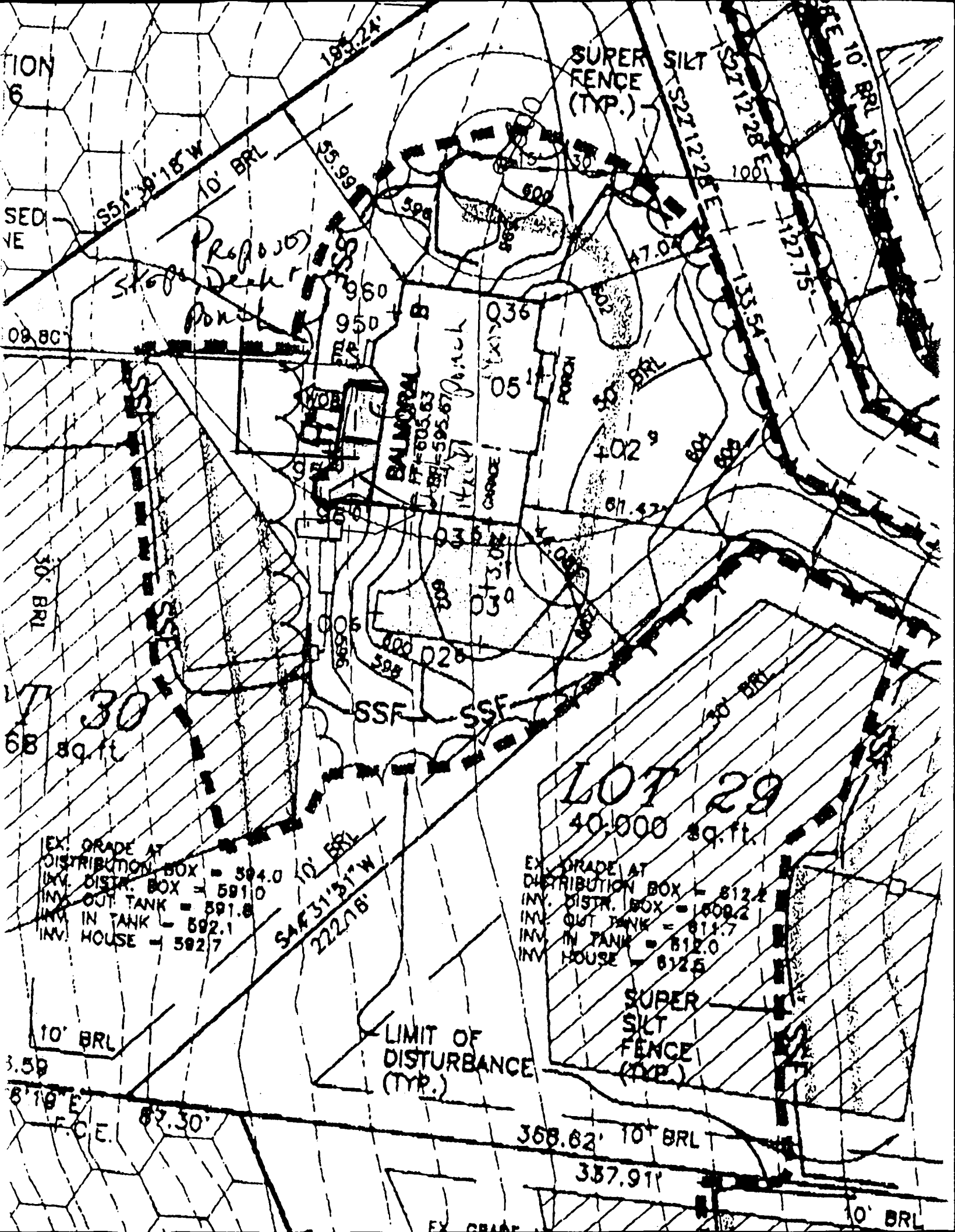
028

LOT 29
 40,000 sq.ft.

EX. GRADE AT DISTRIBUTION BOX = 812.2
 INV. DISTR. BOX = 809.2
 INV. OUT TANK = 811.7
 INV. IN TANK = 812.0
 INV. HOUSE = 812.5

SUPER SILT FENCE (TYP.)

SUPER SILT FENCE (TYP.)



FOR ACCESS AT THE TOP OF SAVAGE SUBDIVISION)

MOUNTAIN BERM FOR PSD-24(2)

SOIL STABILIZATION MATTING (TYP.)

DIKE TYPE-A-3
D.A. = 3.8 AC.
PIPE SLOPE DRAIN = PSD-24(2)
D.A. = 1.3 AC.
SLOPE = 5.0%
DIKE TYPE-A-2

LOT 3
41,118 sq. ft.

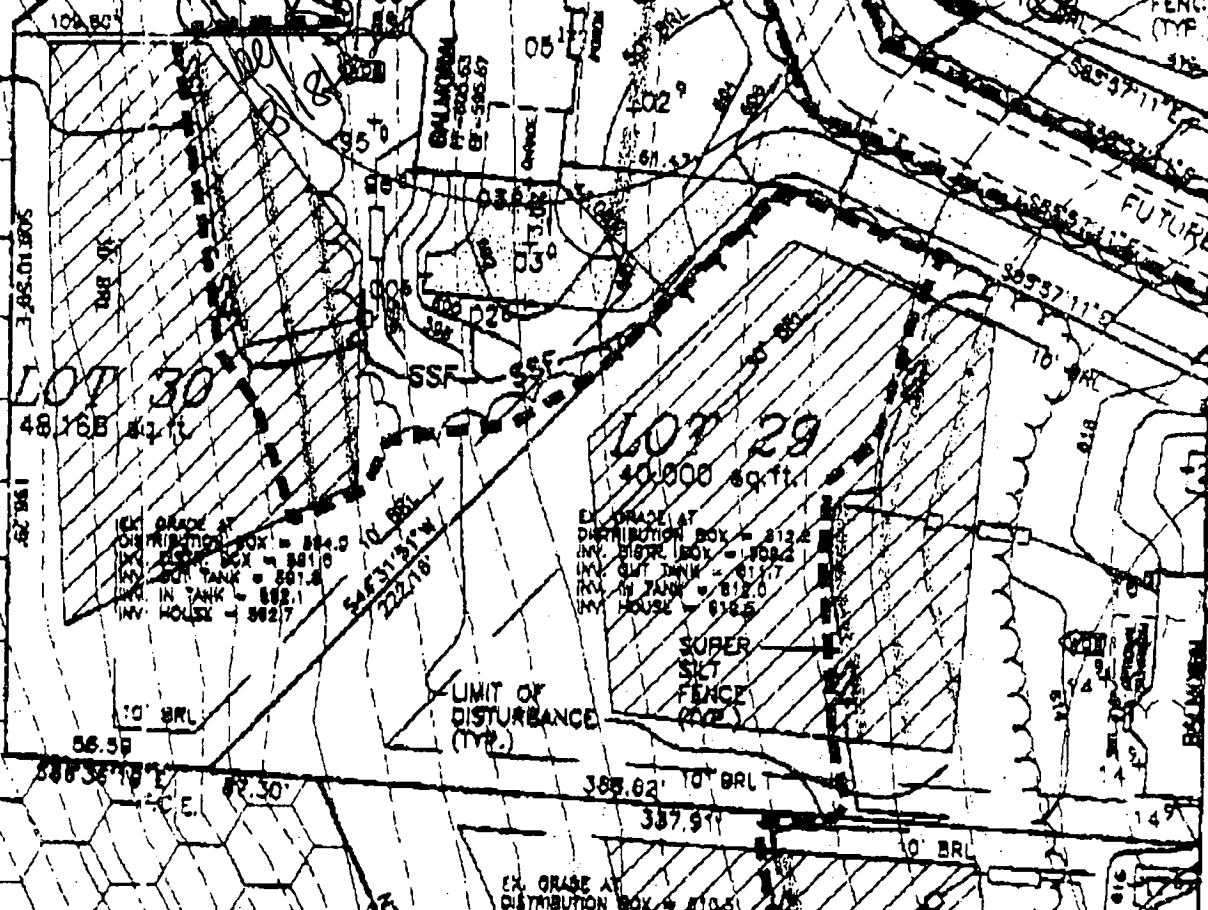
FOREST CONSERVATION EASEMENT AREA 6 RETENTION

PROPOSED TREE LINE

SUPER SILT FENCE (TYP.)

SUPER SILT FENCE (TYP.)

SLOPE SILT FENCE (TYP.)



COUNTY, MD & CHERRY GROVE INC.

LOT 30
48,168 sq. ft.

LOT 29
40,000 sq. ft.

EX. GRADE AT DISTRIBUTION BOX = 814.0
INV. DIST. BOX = 811.0
INV. OUT TANK = 801.8
INV. IN TANK = 802.1
INV. HOUSE = 802.7

EX. GRADE AT DISTRIBUTION BOX = 812.4
INV. DIST. BOX = 809.2
INV. OUT TANK = 817.7
INV. IN TANK = 812.0
INV. HOUSE = 814.5

SLOPE OF DRIVEWAY = 3.0% @ GAR.
NUMBER OF RISERS IN GAR. = 3
NUMBER OF RISERS ON LEAD WALK = 3

16920 Old Sawmill Rd
THE WESTWOODS AT
CHERRY GROVE
LOT 30

BENCHMARK ENGINEERING, INC.

8-80 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MD 21043
PHONE: 410-485-6105 FAX: 410-485-6644

FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: 10/08/07

REL. 1