

LAYOUT 1/11/02 11:00 INSP 4 \_\_\_\_\_  
 INSP 2<sup>9</sup> \_\_\_\_\_ INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 1/4/2002  
 APPROVAL DATE: 1/11/02

P 516461-B  
 A 58095V

# PERMIT INDEXED

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

# 362470

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL  ALTER

ADDRESS: 580 Obrecht Road, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: Wellington West II LOT NUMBER: 23

ADDRESS: 15313 Doe Hill Court PROPERTY OWNER: Pulte Homes, 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: 280

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 3.5 feet below original grade. Effective area begins at 2.5 feet below original grade. 1.5 feet of stone below distribution pipe.
LOCATION:	Place distribution box as shown per plan. Run trenches on contour in both directions.
NOTES:	Basement service by gravity is proposed. Ensure 100 foot separation between the well and sewage disposal area.

PLANS APPROVED: KG ON SRM 12/14/01 DATE: 12/13/01

- 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

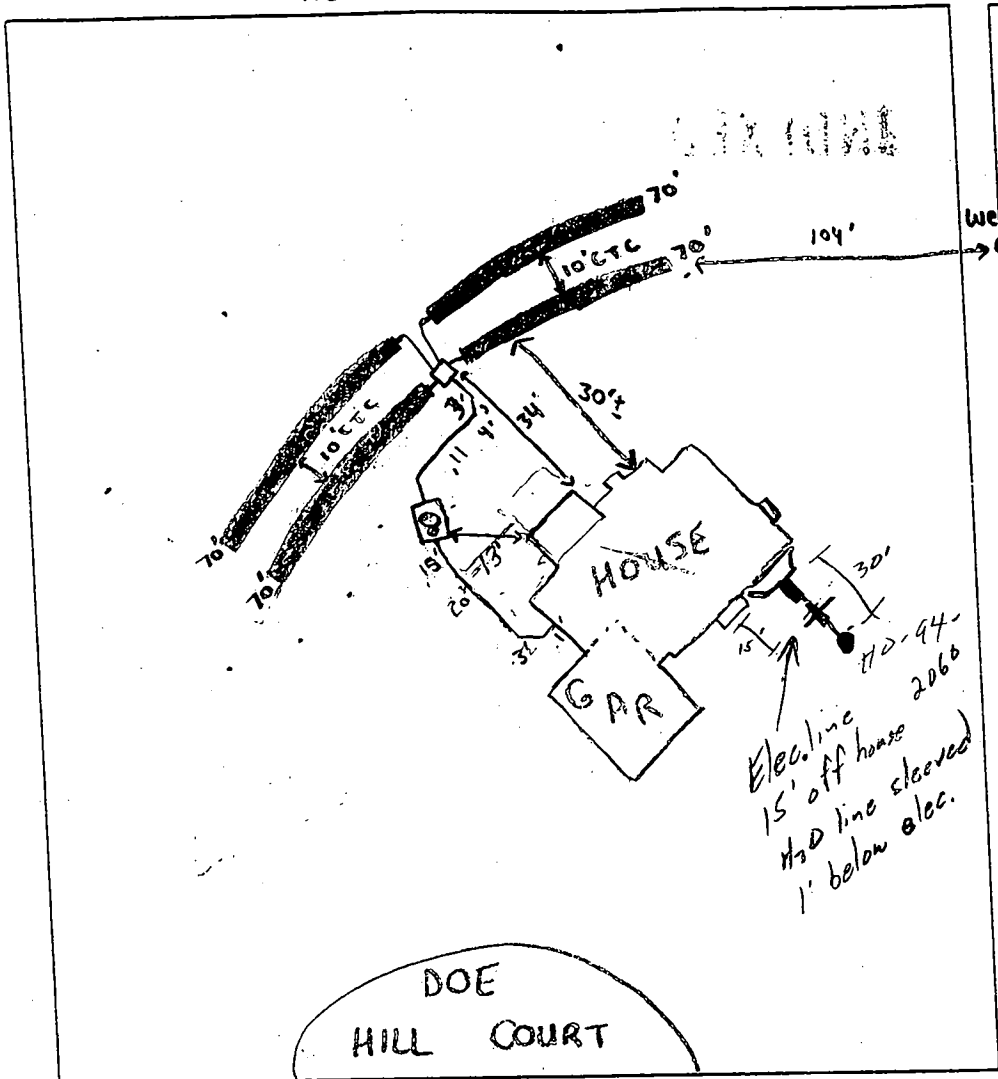
**BUILDING PERMIT SIGNED** 10-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

**AND RETURNED** 12-13-01  
 BOD 133466-UG TANK

**BUILDING PERMIT SIGNED**  
**AND RETURNED** 6-26-02  
 BOD 137161-DECK

A58095-V

NOT TO SCALE



**TRENCH DATA**

TRENCH WIDTH 3'  
 TRENCH INLET DEPTH 2'  
 TRENCH BOTTOM DEPTH 3.5'  
 DEPTH OF STONE 1.5'  
 NUMBER OF TRENCHES 4  
 TOTAL TRENCH LENGTH 280'  
 ABSORBENT AREA 840 ft<sup>2</sup>  
 DISTRIBUTION BOX LEVEL ✓  
 BAFFLE IN DISTRIBUTION BOX ✓

**SEPTIC TANK DATA**

SEPTIC TANK 1250 TS GALLONS  
 MANHOLE RISER on center  
 6 INCH INSPECTION PORT on front

**PUMP CHAMBER DATA**

PUMP CHAMBER GALLONS NA  
 MANHOLE RISER NA  
 ALARM NA  
 PUMP PERFORMANCE TEST NA

PRE-CONSTRUCTION INSPECTION: 1/11/02 INSTALL PER PLAN, SDA STAKED - (SRM)

INSPECTION COMMENTS: 1/11/02 - ON TO COVER ALL WORK - (SRM)

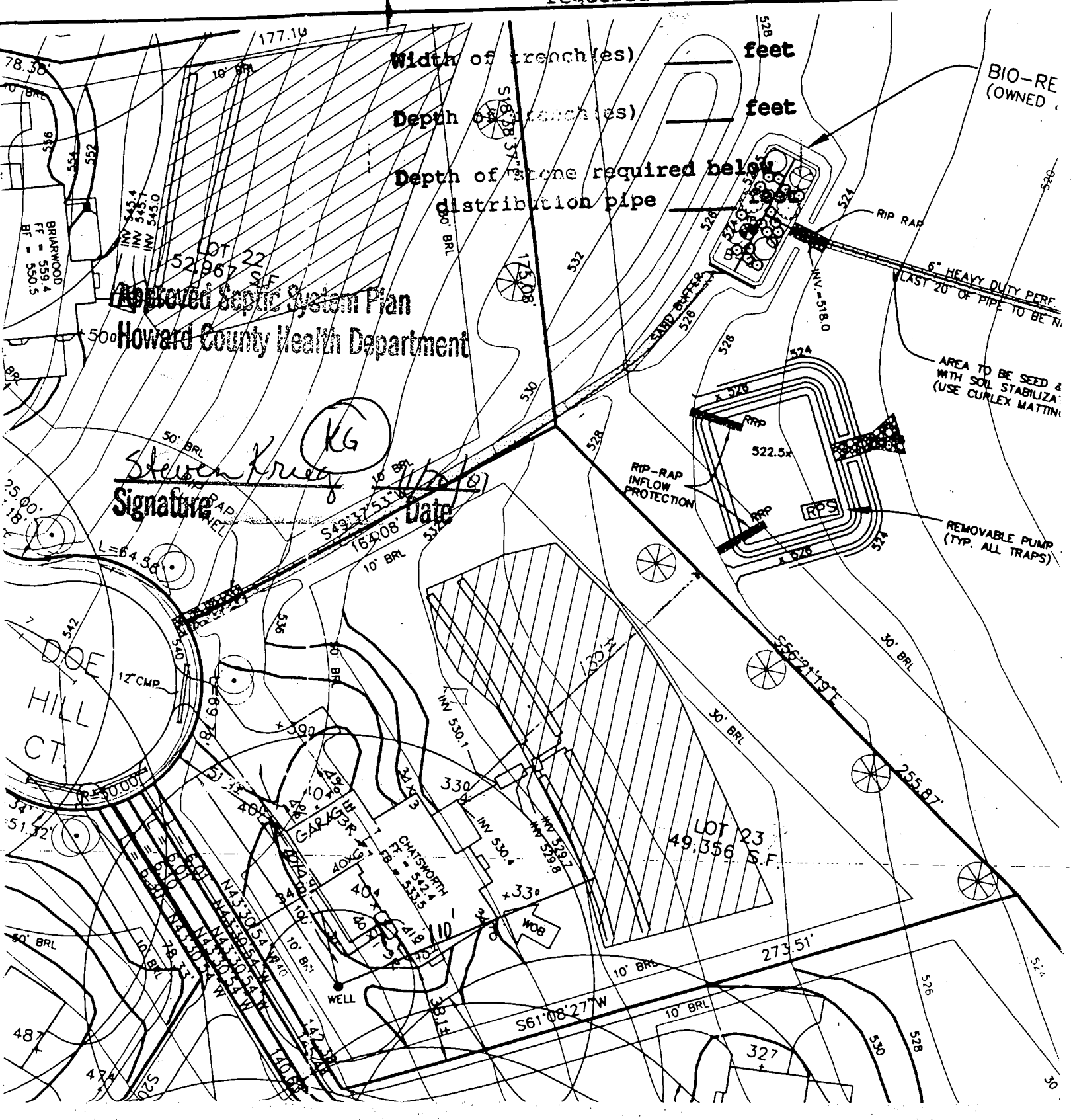
INSPECTOR Steven R. King DATE SYSTEM APPROVED 1/11/02  
 BUILDING PERMIT SIGNED STEVEN R. KING AND RETURNED 1/11/02

Total linear feet of trench required feet

Width of trench(es) feet

Depth of trench(es) feet

Depth of stone required below distribution pipe



Approved Septic System Plan  
Howard County Health Department

Signature

*Steven Krueger*

Date

11/21/87

KG

BIO-RE (OWNED)

6" HEAVY DUTY PERF  
(LAST 20' OF PIPE TO BE N)

AREA TO BE SEED &  
WITH SOIL STABILIZA  
(USE CURLEX MATTING)

REMOVABLE PUMP  
(TYP. ALL TRAPS)

BRIMWOOD  
FT = 559.4  
BF = 550.5

DOE  
HILL  
CT.

GARAGE

CHAYNORTH  
FT = 512.4  
FB = 513.5

LOT 23  
49,356 S.F.

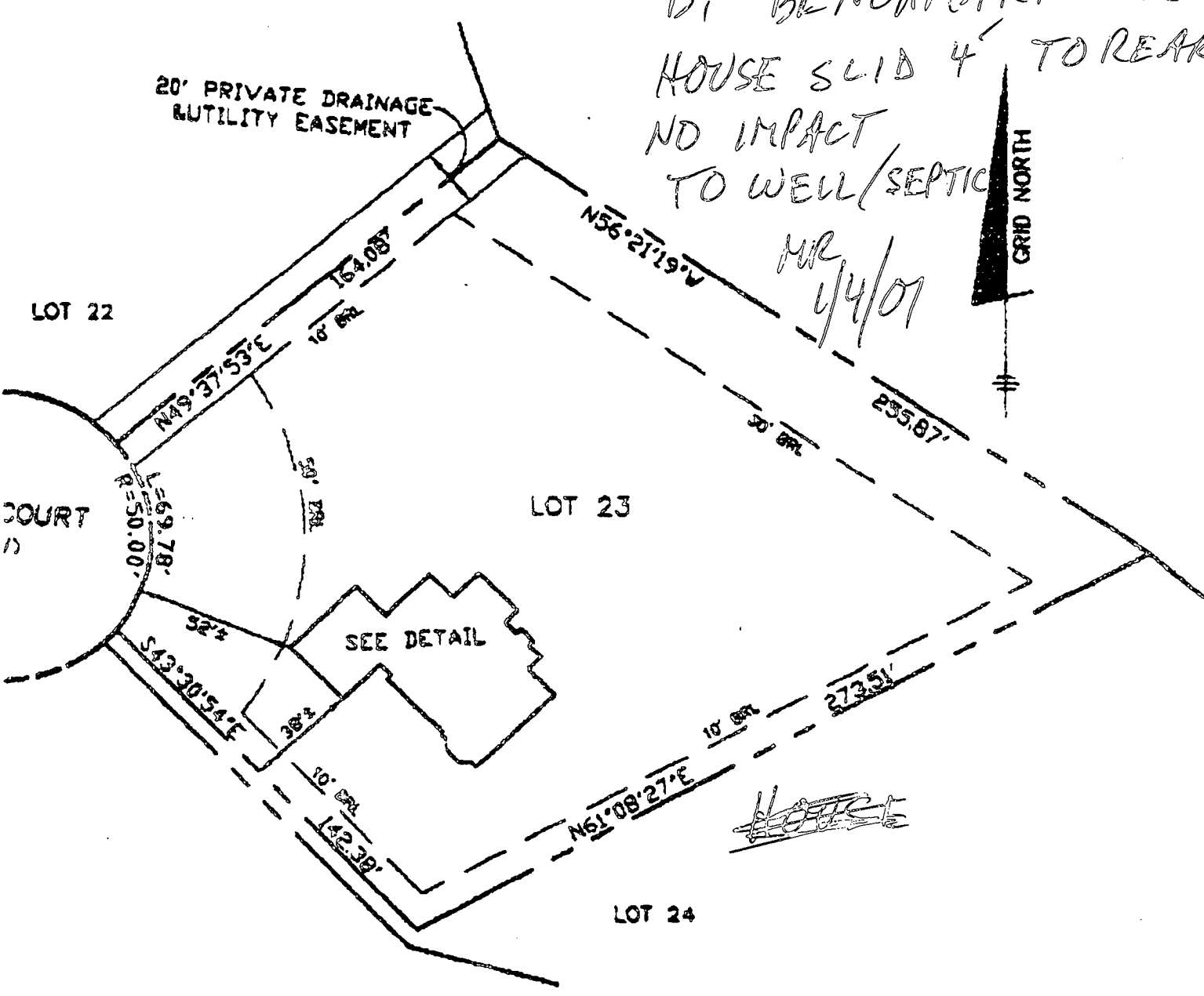
WELL

327

EL. FF OK

WALL CHECK  
BY BENCHMARK OK  
HOUSE SLID 4' TO REAR  
NO IMPACT  
TO WELL/SEPTIC

MR  
4/4/07



LOT 24

LOT 23

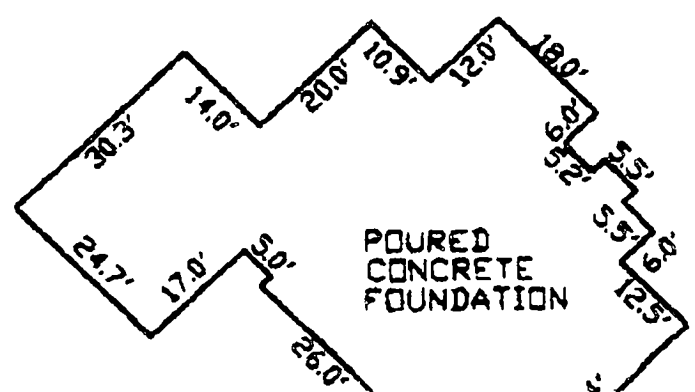
LOT 22

COURT

SEE DETAIL

~~HOUSE~~

1:50



FOUNDATION WALL ELEV. = 541.3'  
DIMENSIONS TO PROPERTY LINES ARE ± 1'

S CERTIFICATE

BY TO THE BEST OF MY PROFESSIONAL



B 1 2032

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2060 fill in this form completely

Date Received (APA) 010599

OWNER INFORMATION

Associates B P M B 15248 Union Chapel Rd Woodbine Md 21797

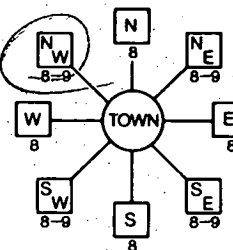
LOCATION OF WELL

Howard WELLINGTON WEST SECTION 2 LOT 23 Glenwood

DRILLER INFORMATION

DAVID K. KELLEY JR. M D 256 Westminster Rotary Well Drilling, Inc. P.O. Box 861 Westminster, Md 21157

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Doe Hill CT NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 100 FT

WELL INFORMATION

APPROX. PUMPING RATE 7 GAL. PER MIN. AVERAGE DAILY QUANTITY NEEDED 400 GAL. PER DAY

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard CO A58095V COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 1/20/99 A M. Mace 1/20/00

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

APPROXIMATE DEPTH OF WELL 175 FEET APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jettted & 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 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)

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER GAP PERMIT No. HO-94-2060

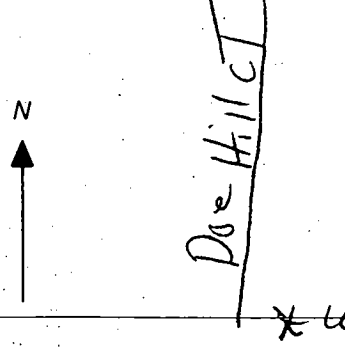
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

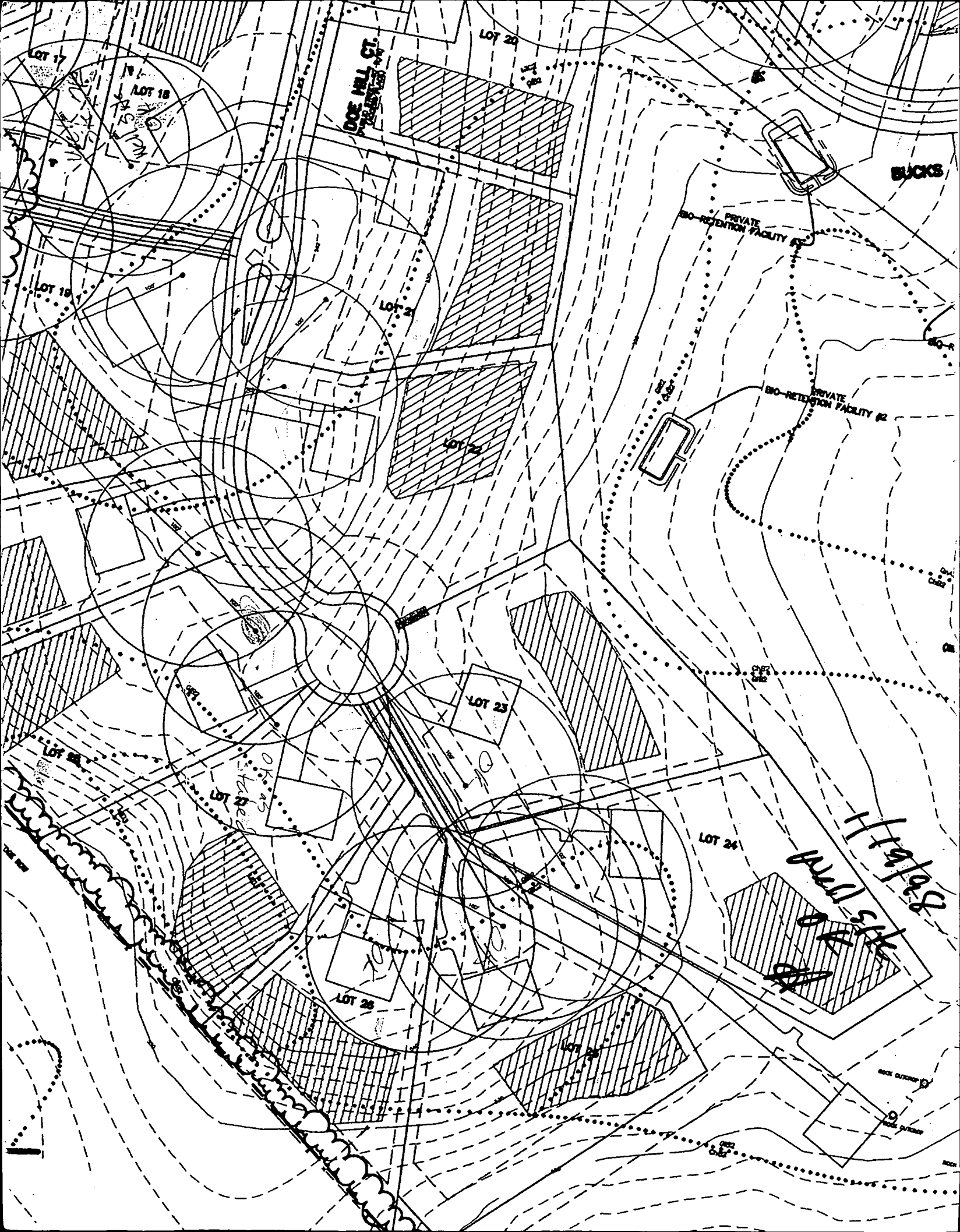
SOURCES OF DRILLING WATER 1. CITY

WRITE THE BOX NUMBER FROM THE MAP HERE E 790 N 530

1/20/99 9:00 x well drilled & arrived after flow was done open hole 61.5' casing 63.5' 000 cement B

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





# APPLICATION

4/24/97  
4/25  
4/28  
4/29

PERCOLATION TESTING

A 58095

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 4/11/97

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 G & L Partnership

ADDRESS 15298 Union Chapel Rd. PHONE 442-2101  
Woodbine, Md. 21797

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Brendel property LOT NO. 16

ROAD AND DESCRIPTION Union Chapel Road (South Side)

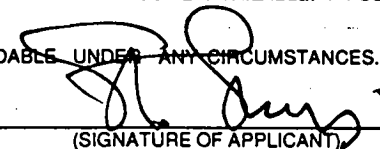
TAX MAP 14 PARCEL # 69,68,222

SIZE OF LOT 1 acre 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



A58095

COUNTY #

SOIL PROFILE

26 28

no distinct clay layer  
lgt tan orange silm  
100% decayed rock

11.5

27

orange brown silm

3.5

dull brown silm w/ pockets of white silm scapy

10.0

157

orange brown silm

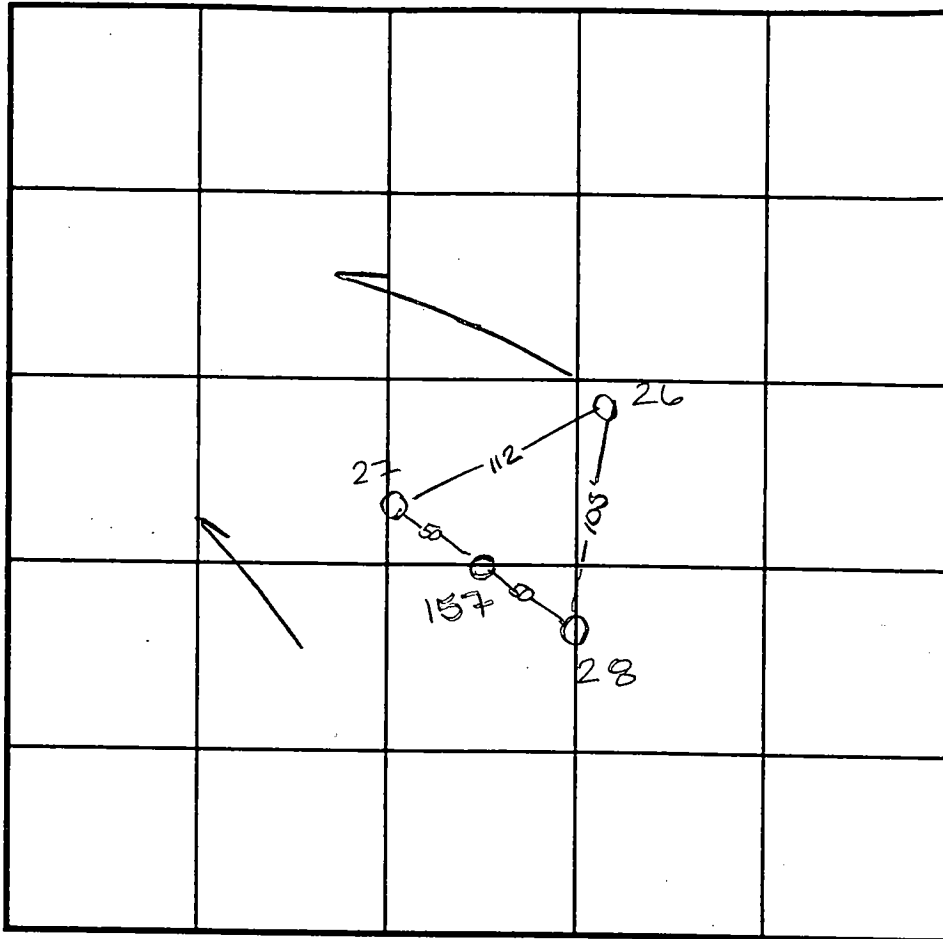
3.0

lgt brown tan silm

8.0

mottled silm dull grey w/ orange silm

12.0



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	
4-25-97	26	2.5 / VII.5	10:42	10:50	10:50	11:10	20min
	28	4.0 / VII.5	10:33	10:34 <sup>30</sup>	10:34 <sup>30</sup>	10:36	1 1/2 min
	27	3.0 / VI.0	10:27 <sup>30</sup>	10:31	10:31	10:37	6min
- (marginally passing test hole) -							
5-18-97	157	Visual	to 12	0-see	profile	-	OK

REMARKS Water table levels have dropped appx 1.5' from the high level this yr.

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

TESTED BY Amy McMillen

ALSO PRESENT Chuck Sharp

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

TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_

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

SQ. FT./BEDROOM \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A 58095

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 4/11/97

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 G & L Partnership

ADDRESS 15298 Union Chapel Rd. PHONE 442-2101  
Woodbine, Md. 21797

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

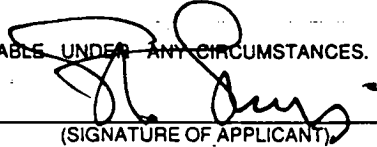
SUBDIVISION Brendel property LOT NO. 8

ROAD AND DESCRIPTION Union Chapel Road (South side)

TAX MAP 14 PARCEL # 69,68,222

SIZE OF LOT 1 acre TYPE BLDG. Single family dwelling  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(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

4/21/97  
4/25  
4/28  
4/29

A58095

COUNTY #

SOIL PROFILE

23

Water at 7.0  
water related mottling at 5.5

8.0

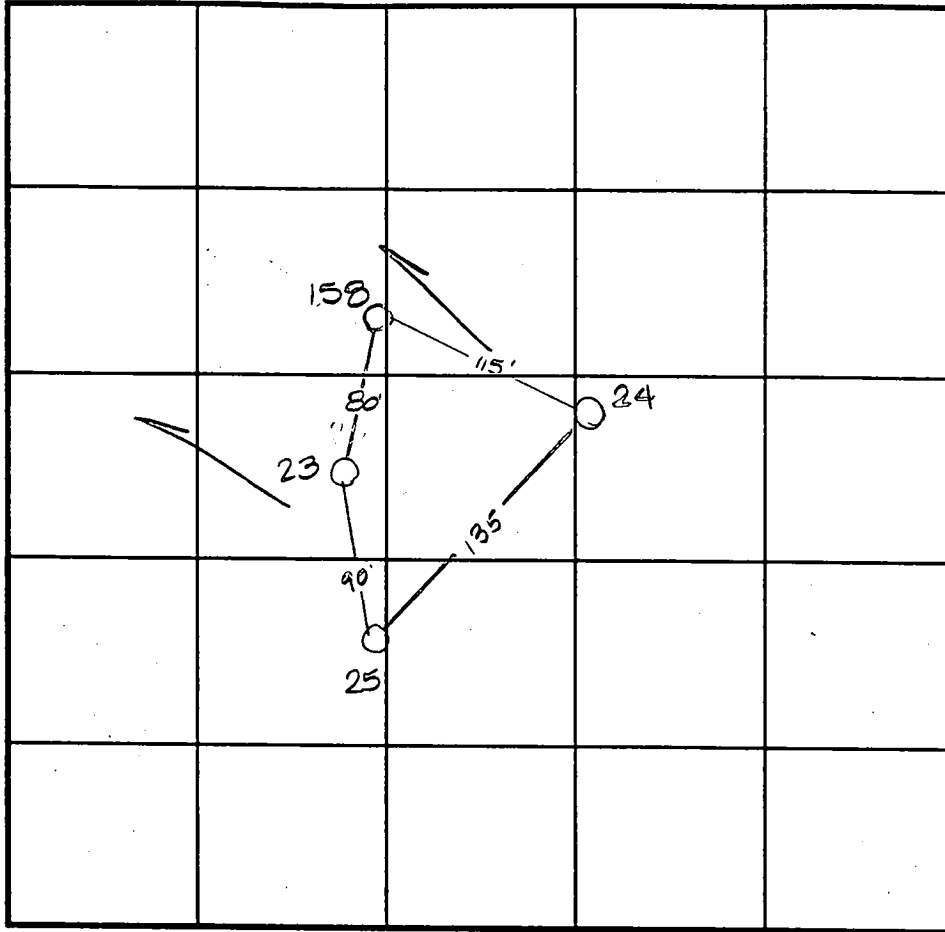
24

dark red SiCLM  
4.0  
lgt orange red SiLM  
1590 Rx dry

12.0

25

like 24 but water at 9.5 water related mottling at 8.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

158

dark orange SiCLM  
4.0  
lgt or SiLM  
7.5  
mottled dull grey SiLM  
caving at 9.5  
10.0-16.0 water

4.0

7.5

16.0

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-24-97	23	3.0 / 8.0	12:50 <sup>30</sup>	12:53	12:53	1:10	17min
	?	Insufficient depth to H <sub>2</sub> O		—		—	F
	24	4.0 / 12.0	12:50	12:55 <sup>30</sup>	12:55 <sup>30</sup>	1:18	23min
	25	3.0 / 10.0	12:52	12:57	12:57	1:07	10min
5-18-97	158	Visual	to 16.0 - see profile -		—		F

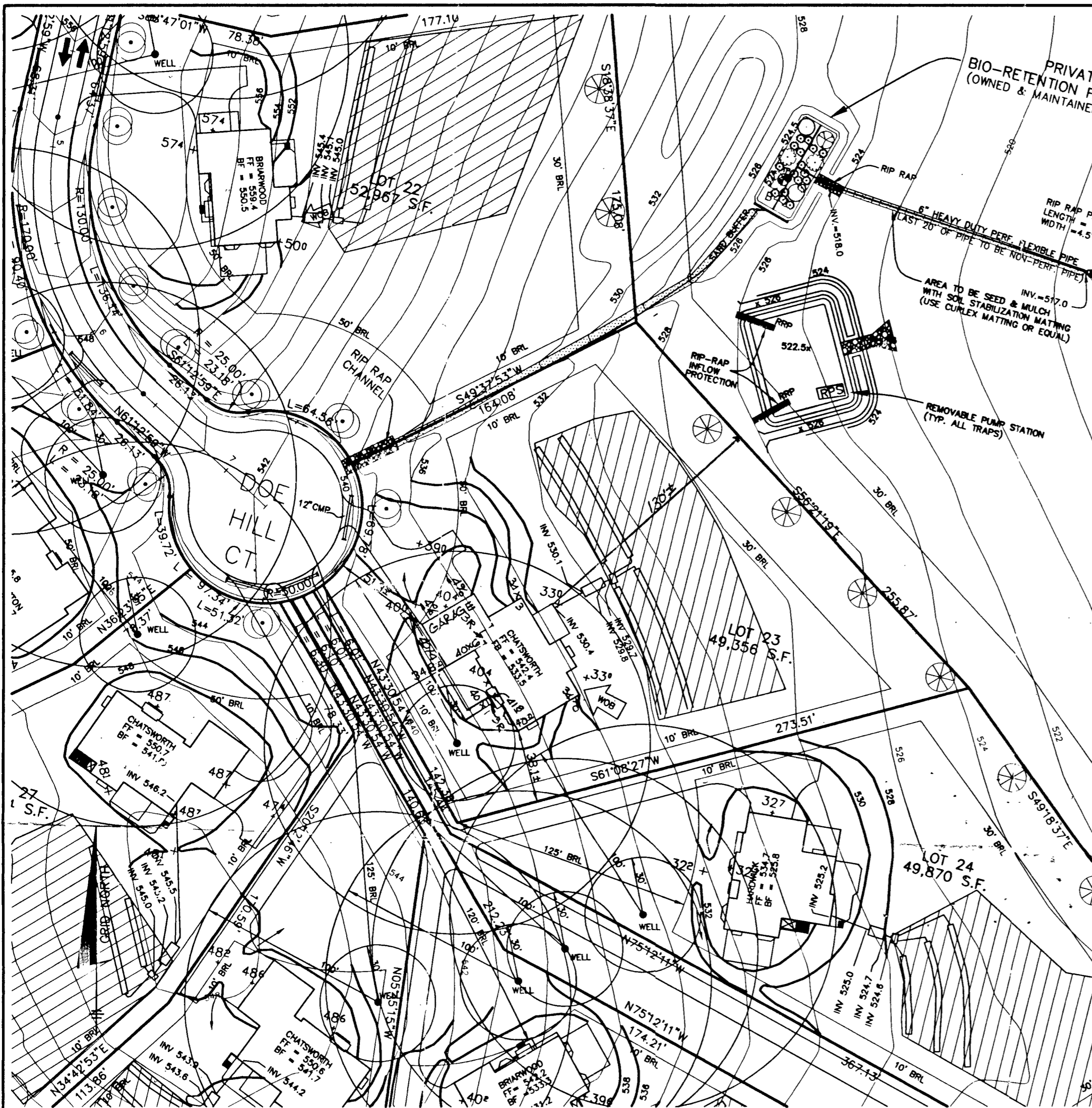
REMARKS W

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

TESTED BY Amy McMillen ALSO PRESENT Chuck Sharp

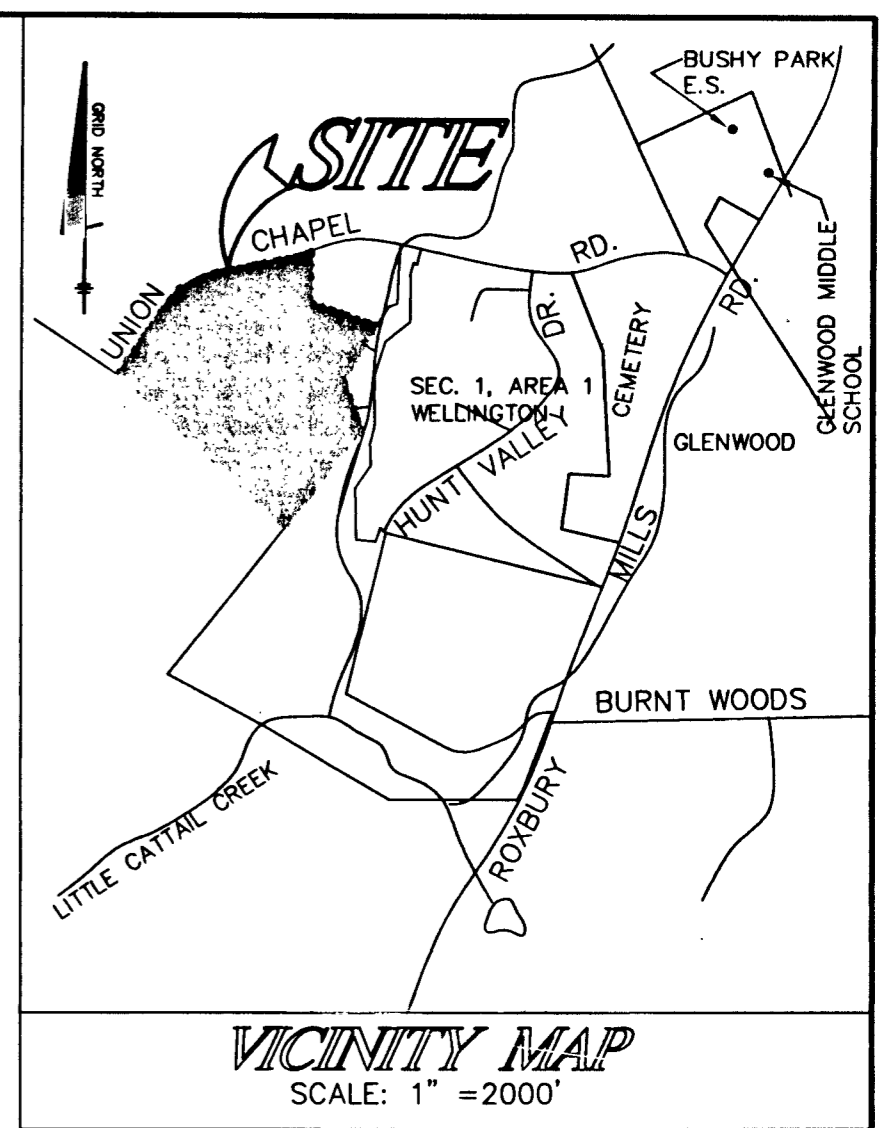
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

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



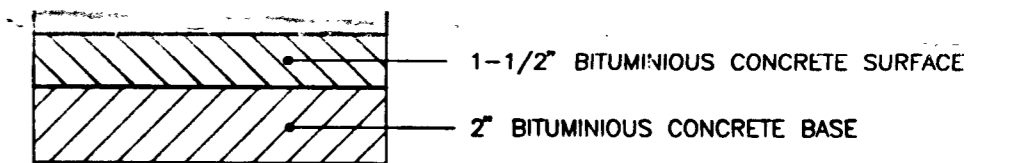
Approved Septic System Plan  
Howard County Health Department

*Steven R. Krieg* 11/20/07  
Signature Date



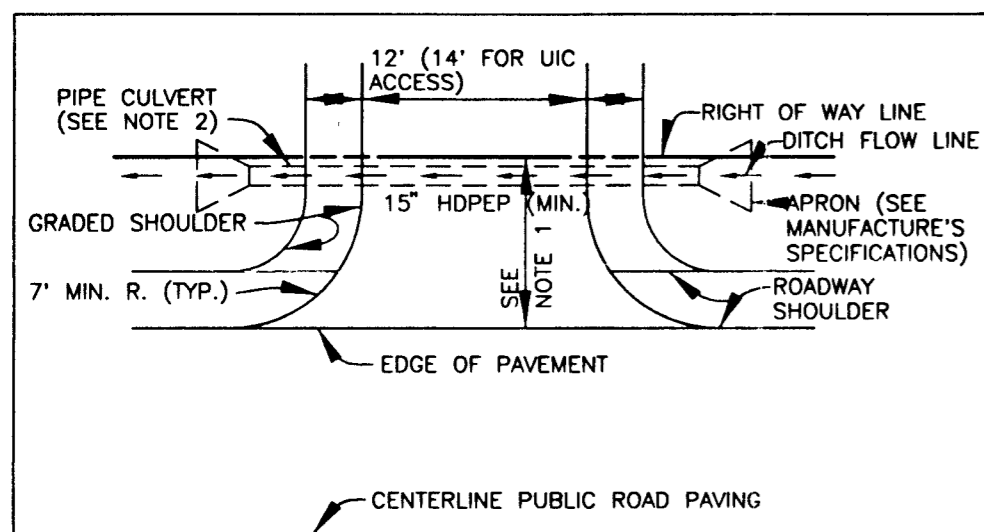
NOTES:

- 1) TOPOGRAPHY SHOWN HEREON HAS BEEN TAKEN FROM THE CONTOURS SHOWN ON F-98-180, WELLINGTON WEST SECTION 2.
- 2) SEDIMENT CONTROL FOR THIS SITE SHALL BE IN ACCORDANCE WITH GRADING PLAN GP-99-180.



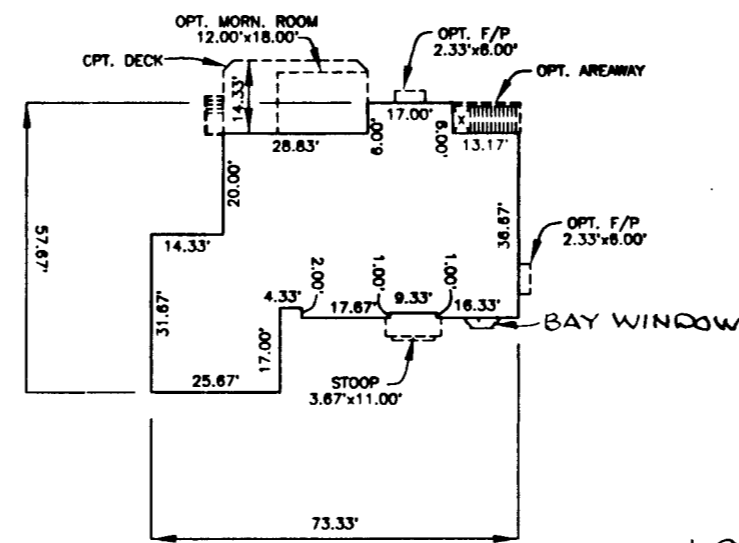
TYPICAL PAVING SECTION  
PROPOSED DRIVEWAY  
NOT TO SCALE

PLAN  
SCALE: 1" = 50'



DRIVEWAY CULVERT  
NOTES AND DETAIL  
NOT TO SCALE

- 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 ST'D NO. R-2.01 OR ALTERNATIVE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
  2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM.
  3. ALL DRIVEWAY CULVERT PIPES TO BE 15" HDPEP OR GREATER TO PREVENT BLOCKING. HDPE APRONS TO BE INSTALLED AT EACH END OF THE DRIVEWAY CULVERT AND SIZED PER MANUFACTURER'S SPECIFICATIONS. IF A LARGER PIPE IS REQUIRED, DITCH INVERT CAN BE LOWERED TO PROVIDE MIN. DITCH GRADIENT OF 0.5% AND CLEARANCE SHOWN.
  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. TIE IN GRADE OF PRIVATE DRIVEWAY SHALL NOT EXCEED 14%.
  6. SEE HOWARD COUNTY STANDARD DETAIL R-6.06 FOR ADDITIONAL INFORMATION.



CHATSWORTH  
NOT TO SCALE

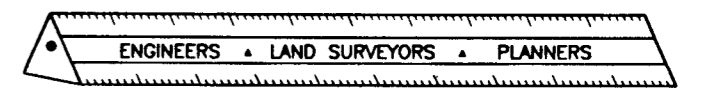
FOOTPRINT DRAWN WITH ELEV. #1

LOT ADDRESS:  
15313 DOE HILL CT

OWNER/ BUILDER:

PULTE HOMES CORPORATION  
1501 S. EDGEWOOD ST. SUITE K  
BALTIMORE, MD. 21227

BENCHMARK



ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 FAX: 410-465-6644

PROJECT:  
**WELLINGTON WEST**  
SECTION 2  
LOT 23

LOCATION: TAX MAP: 14  
PARCEL: 68 AND 69 AND P/O 222  
4th ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

TITLE:  
**PLOT PLAN**

DATE:	SEPTEMBER, 2001	PROJECT NO.	1222
SCALE:	1" = 50'	DRAWING	1 OF 1



Sep. 27, 2001 1:05PM BENCHMARK ENG.

No. 4937 P.

8" HEAVY DUTY PERE. FLEXIBLE PIPE  
(LAST 20' OF PIPE TO BE NON-PERE. PIPE)

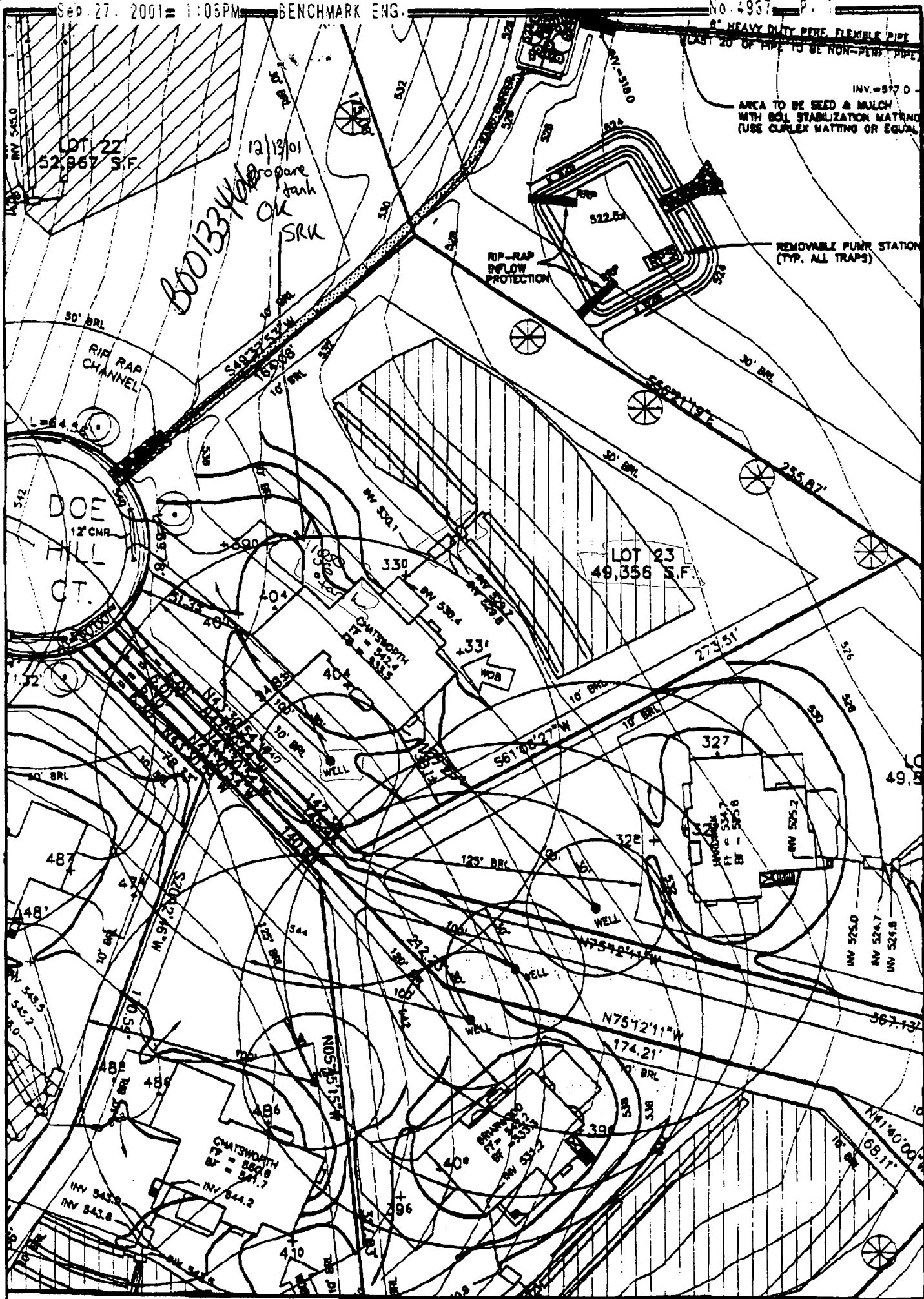
INV. = 517.0

AREA TO BE SEED & MULCH  
WITH SOIL STABILIZATION MATTING  
(USE CURLEX MATTING OR EQUAL)

REMOVABLE PUMP STATION  
(TYP. ALL TRAPS)

RIP-RAP  
INFLOW  
PROTECTION

80013344  
12/13/01  
propare  
tank  
OK  
SRK



FIRST FLOOR ELEVATION = 518.4