

APPLICATION

PERCOLATION TESTING

A 309/5
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____

DATE 3/27/91

*5-22-87
Percs pending
plat approval JRH*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER BRUCE BRENDLE / BRENDLE FARMS INC. / PARCEL 137 INC

ADDRESS 15298 UNION CHAPEL ROAD PHONE 442-2101
WOODBINE, MARYLAND 21197. PHONE 489-4082

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE 3

PROPERTY LOCATION:

SUBDIVISION CAT TAIL WOODS LOT NO. _____

ROAD AND DESCRIPTION DAISY ROAD AND BELLIS DRNE

TAX MAP 7 PARCEL # 137

SIZE OF LOT 3 ACRES 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. Bruce Brendle / JRH TRG
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING For approval of subdivision plat. Percs ok.
5-22-87 JEN JRH

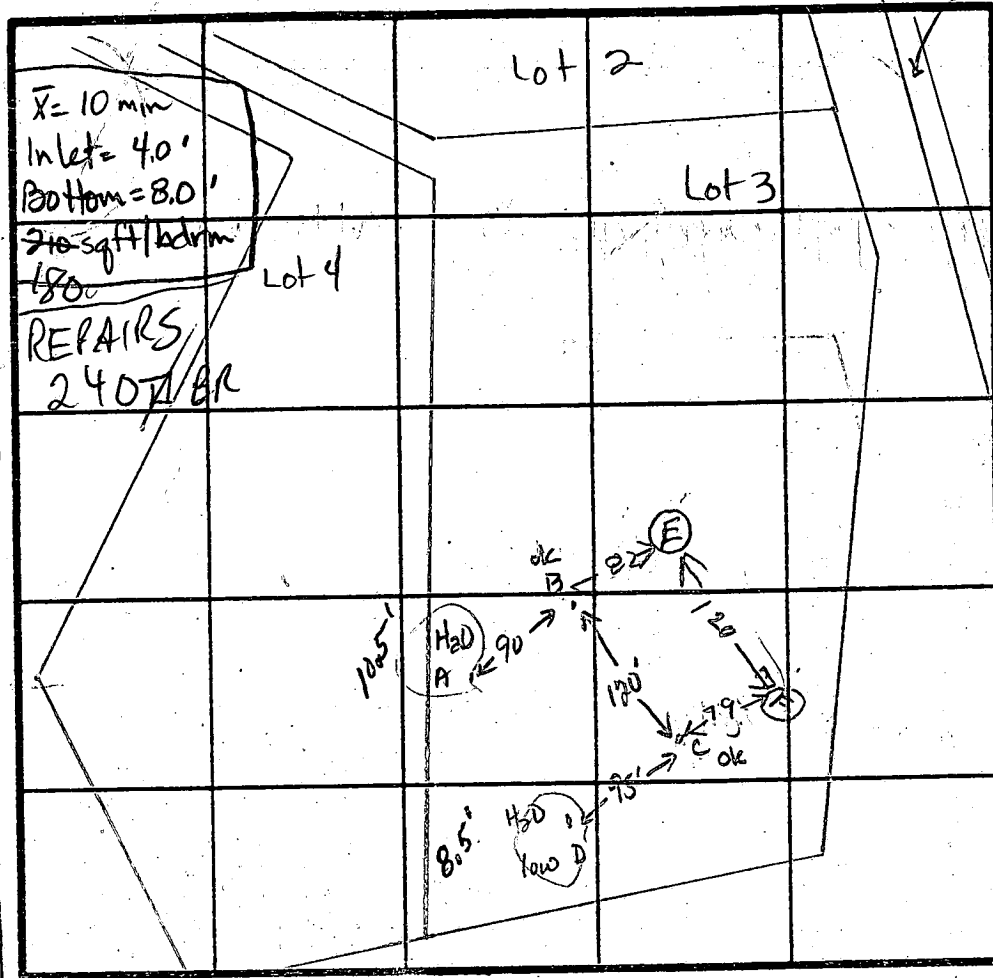
THIS IS NOT A PERMIT

N

A 38985

DAISY RD

(C)



0-8.5 Org br sil cl lm
 8.5-12.0 Br sil lm
 tree rx frag
 12.0 Bottom

(E) (E)
 0-3 BROWN CLAY SILT
 3-12 BROWN SAND SILT SHIST LOM

HOLD ELEVATION
 (EF) = HIGH
 (BC) = MEDIUM
 (AD) = LOW

(B)
 SOIL PROFILE

0-6.0 Rd br sil lm, roots
 6.0-12.0 Rd sil salm tree rx frag
 12.0 Bottom

(A)
 0-3.0 Org br sil cl lm
 3.0-4.5 Org rd br sil lm
 4.5-7.5 Rd br sil lm tree rx frag water at 10.5'
 7.5-11.5 Bottom

(D)
 0-4.5 Org br sil lm
 4.5-9.0 Br sil lm
 9.0' Bottom
 Water at 8.5'

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME | |
|---------|----------|---------|-----------------------------|-------|----------------|------|--------|----------|
| | | | START | STOP | START | STOP | | |
| 5-22-87 | B | 4.0'S | 12:47 | 12:53 | 12:53 | 1:04 | 11 min | OK |
| | | 12.0'D | bottom (see profile) | | | | | |
| | (A) | 11.5' V | see profile, water at 10.5' | | | | | unsatisf |
| | (D) | 9.0' V | see profile, water at 8.5' | | | | | unsatisf |
| | C | 4.0'S | 1:07 | 1:19 | 1:19 | 1:42 | 23 min | OK |
| | | 12.0'D | bottom (see profile) | | | | | |
| | ES | 4.5 | 244 | 247 | 247 | 254 | 7 | |
| | EV | 8 | 245 | 247 | 247 | 254 | 7 | |
| | EV | 12 | OK | | | | | |
| | FS | 4.5 | 256 | 258 | 258 | 302 | 4 | |
| | EV | 12 | OK | | | | | |

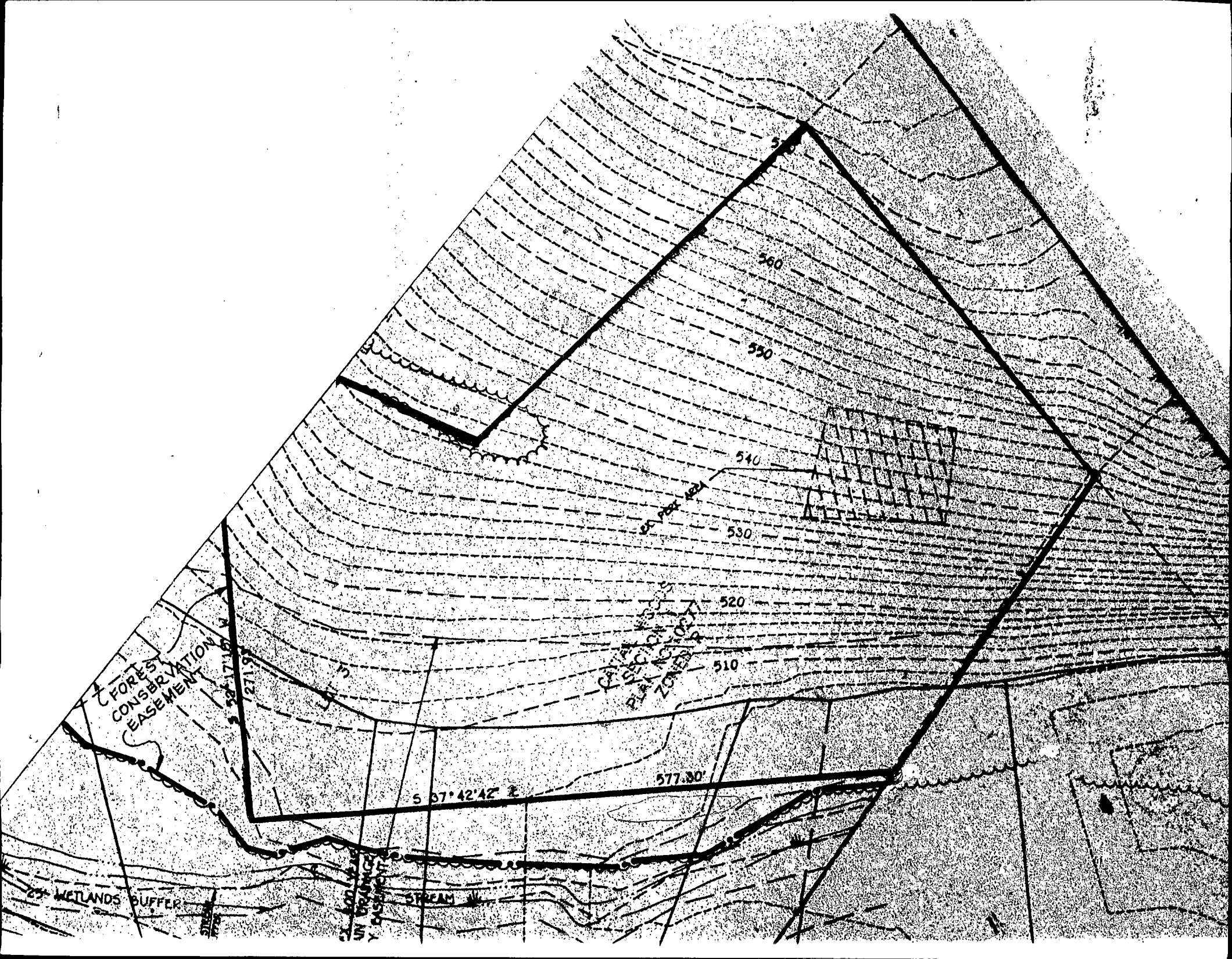
REMARKS Holes (A)(B)(C)(D) excavated as marked on test plat. HOLES (E)(F) DIFFERENT

TYPE OF SOIL Org br sil lm; Br sil lm tree rx frag.

TESTED BY B. HODGES & NADREAU

BRUCE BRINDLE
 ALSO PRESENT PHILLIP BRINDLE
 LVE BRANES BACKHOE
 JEFF GOODWIN ENGINEER

EH-12-1079



FOREST
CONSERVATION
EASEMENT

25' WETLANDS BUFFER

ST. 500' WIDE
AIR DRAINAGE
EASEMENT

STREAM

CITY OF ST. LOUIS
PLANNED ZONING

5 37° 42' 42" E

577.30'

510

520

530

540

550

560

50' PER 100'

Repair
8/25/87
1:30 PM

APPLICATION

New
A 38986

PERCOLATION TESTING NO Fee
UNDER # 4
FAILURE

P _____
DISTRICT 47L

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

OK TO PROCESS

DATE 8/11/87

CALL Melanic Moser
461-2690

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER PARCEL 137, INC % BRUCE BRENDLE

ADDRESS 15298 UNION CHAPEL ROAD WOODBINE MARYLAND 2097 PHONE 301-442-2101

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION CAT TAIL WOODS LOT NO. NEW 4

ROAD AND DESCRIPTION DAISY ROAD AND BELLS DRIVE

TAX MAP 7 PARCEL # 137

SIZE OF LOT (AMM) 4 ACRES 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. Bruce Brendle
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 8/25/87 OK PERC HOLD FOR PLAT R/P

12-12-88 SHALLOW SYSTEM ONLY DEN

THIS IS NOT A PERMIT

APPLICATION

PERCOLATION TESTING

A 38906
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

*5-22-87
All perca were
too wet. Recommend
rejection. JEN*

DISTRICT _____

DATE 3/24/97

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM

PROPERTY OWNER BRUCE BRENDLE / BRENDLE FARMS INC. / PARCEL 137 INC

ADDRESS 15298 UNION CHAPEL ROAD PHONE 442-2101
WOODBINE, MARYLAND 2197 489-4082

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION CAT TAIL WOODS LOT NO. 4

ROAD AND DESCRIPTION DAISY ROAD AND BELLIS DRIVE

TAX MAP 7 PARCEL # 137

SIZE OF LOT 3.5 Ac. 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. Bruce Brendle / JEN
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING All areas tested had a high water table and mottled soils from 3.0' down. 5-22-87 JEN

THIS IS NOT A PERMIT

A 38986

N
A BELLIS DRIVE

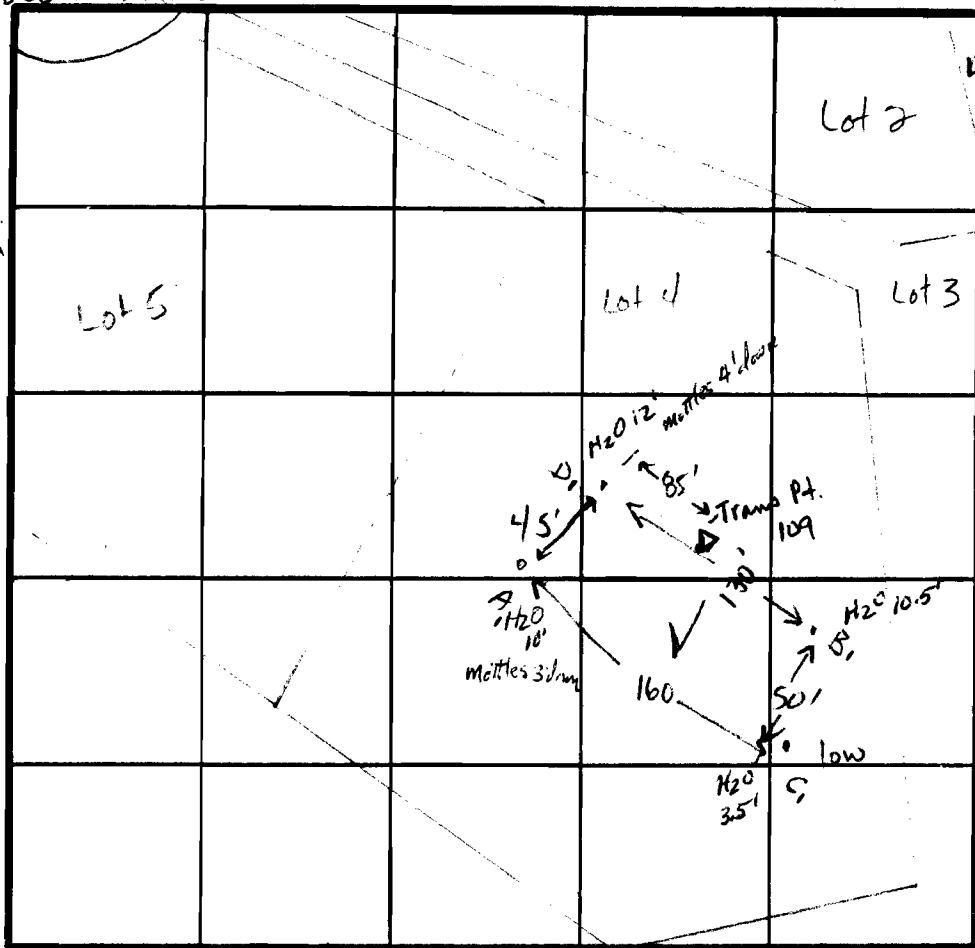
DAISY RD

B₁

SOIL PROFILE

0-5.0 Rd br si cl lm
 5.0-8.0 Yellow tan sa si lm
 8.0-11.0 Br sa sa lm, trc rock frags
 Bottom
 Water at 10.5'

C₁
 0-1.0 Dk br si cl lm topsoil, roots
 1.0-3.5 Br sa sa si lm
 3.5' Bottom
 Water at 3.5'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

D₁

0-2.5 Br si cl lm, roots

2.5-4.0 Yellow si cl lm

4.0-12.5 Gray mottled si cl loam

12.5 Bottom water at 12.0' A₁

0-2.5 Org br si cl lm roots

2.5-8.0 Tan-gray mottled si cl lm

8.0-12.0 Gray si lm rx frags

12.0' Bottom Water at 10.0'

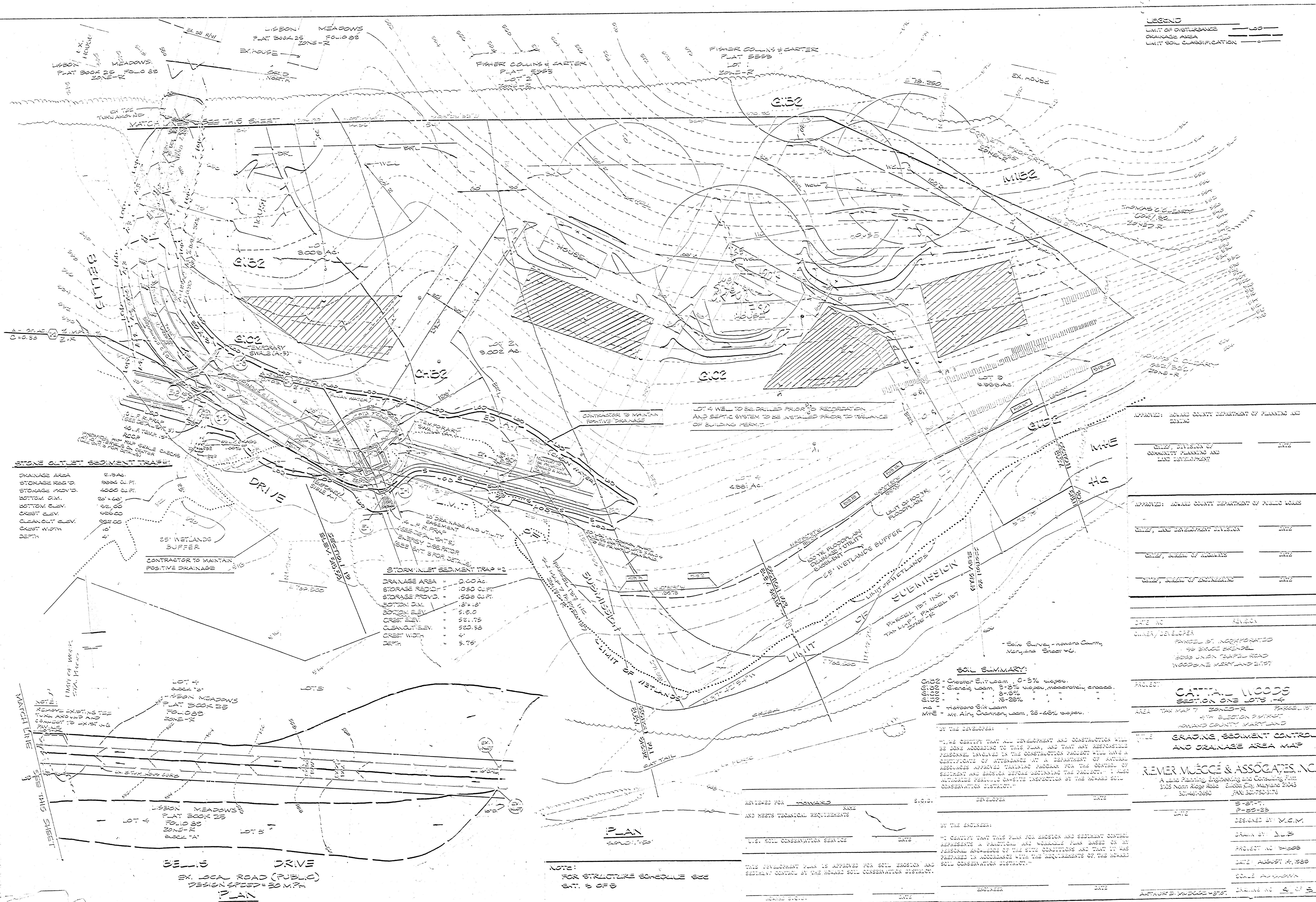
| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|----------------|--------|-------------|------|----------------|----------|-----------|
| | | | START | STOP | START | STOP | |
| 5-22-87 | B ₁ | 11.0 V | see profile | | water | at 10.5 | unsatisf. |
| | D ₁ | 12.5 V | see profile | | water | at 12.0 | |
| | A ₁ | 12.0 V | see profile | | water | at 10.0' | |
| | C ₁ | 3.5 V | see profile | | water | at 3.5' | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS Low area on subdivision. All too wet.

TYPE OF SOIL Br-org si cl lm; Tan-gray mottled si cl lm.

TESTED BY J. Nadeau / R. Hodges ALSO PRESENT Jeff G., Bruce

LEGEND
 LIMIT OF DISTURBANCE ———— LDD
 DRAINAGE AREA ———— DA
 LIMIT SOIL CLASSIFICATION ———— LSC



STONE OUTLET SEDIMENT TRAP #1
 DRAINAGE AREA = 2.9 AC.
 STORAGE PROVIDED = 2000 CU. FT.
 STORAGE PROVIDED = 4000 CU. FT.
 BOTTOM D.I.M. = 25' x 66"
 BOTTOM ELEV. = 52.00
 CREST ELEV. = 52.00
 CLEANOUT ELEV. = 52.00
 CREST WIDTH = 4'
 DEPTH = 4'

STONE INLET SEDIMENT TRAP #2
 DRAINAGE AREA = 0.60 AC.
 STORAGE PROVIDED = 1080 CU. FT.
 STORAGE PROVIDED = 500 CU. FT.
 BOTTOM D.I.M. = 18' x 8'
 BOTTOM ELEV. = 51.00
 CREST ELEV. = 52.75
 CLEANOUT ELEV. = 52.00
 CREST WIDTH = 4'
 DEPTH = 5.75'

SOIL SUMMARY:
 C102 - Greater Soil Use, 0-5% slopes.
 C102 - Greater Soil Use, 5-8% slopes, moderately erodible.
 C102 - Greater Soil Use, 8-15% slopes, moderately erodible.
 C102 - Greater Soil Use, 15-25% slopes, moderately erodible.
 M1E - Moderate Soil Use, 25-45% slopes.

| | |
|--|---|
| APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING | DATE |
| CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT | DATE |
| APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS | DATE |
| CHIEF, LAND DEVELOPMENT DIVISION | DATE |
| CHIEF, BUREAU OF HIGHWAYS | DATE |
| CHIEF, BUREAU OF ENGINEERING | DATE |
| DATE AC | REVISION |
| OWNER/DEVELOPER | REVISION |
| PROJECT: | CATTAL WOODS SECTION ONE LOTS 1-4 |
| AREA: | TAX MAP 7 ZONE-R PARCELS 101-104 |
| TITLE: | GRADE, SEDIMENT CONTROL AND DRAINAGE AREA MAP |
| DESIGNED BY: | REMER, MUECC & ASSOCIATES, INC. |
| DATE: | 5-27-77 |
| SCALE: | P-25-25 |
| DESIGNED BY: | M.C.M. |
| PROJECT NO: | 24008 |
| DATE: | AUGUST 14, 1989 |
| SCALE: | AS SHOWN |
| ENGINEER: | DATE |
| DATE: | 8-30-84 |

NOTES:
 FOR STRUCTURE SCHEDULE SEE SHEET 5 OF 5

REVIEWED FOR HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

BY THE DEVELOPER:

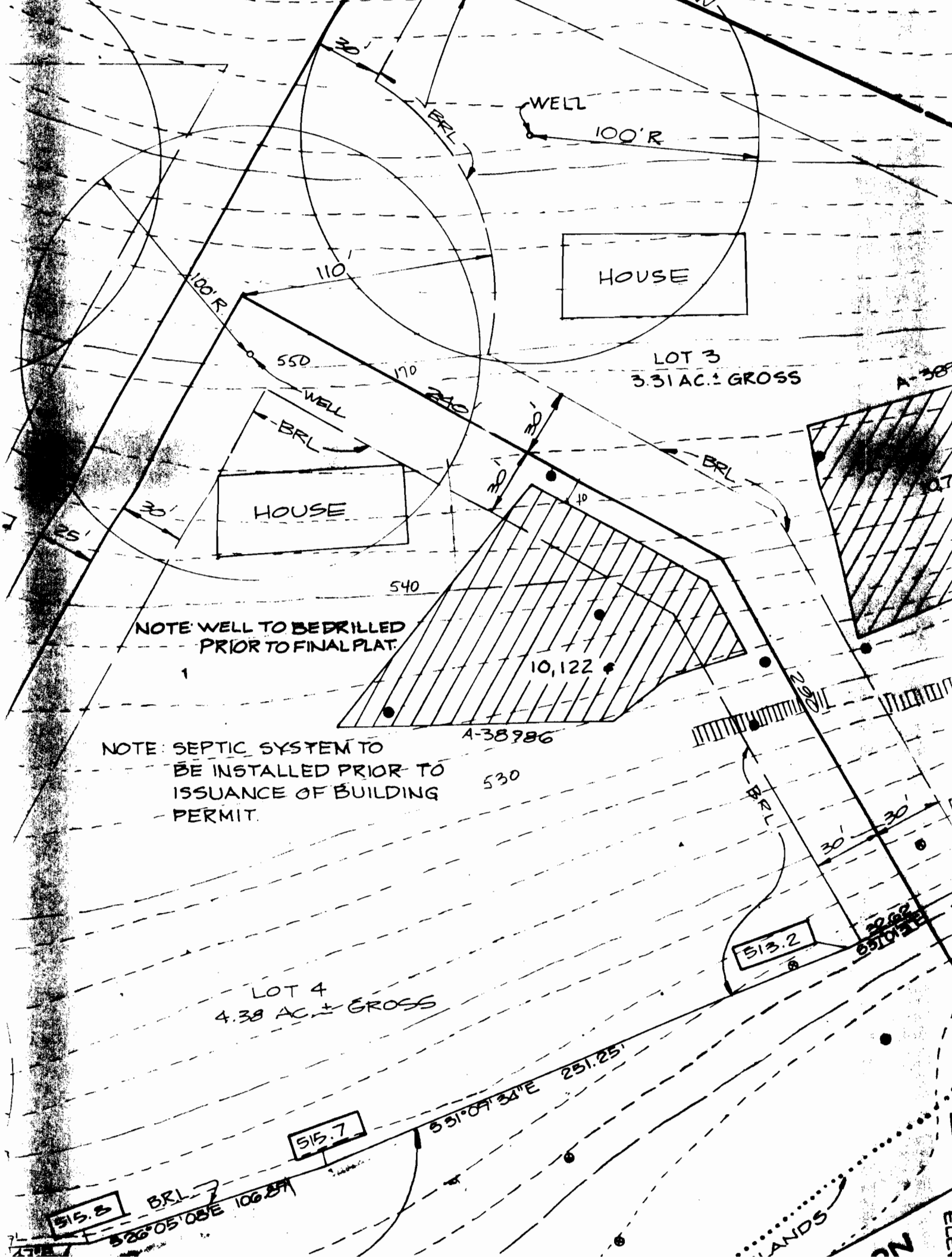
WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I HAVE AUTHORIZED PERSONNEL ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

BY THE ENGINEER:

WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A FUNCTIONAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

MATCH LINE SEE THIS SHEET

PLAN
 EX. LOCAL ROAD (PUBLIC)
 DESIGN SPEED = 30 M.P.H.
 PLAN



WELL
100' R

HOUSE

LOT 3
3.31 AC ± GROSS

HOUSE

10,122

NOTE WELL TO BEDRILLED
PRIOR TO FINAL PLAT.

NOTE SEPTIC SYSTEM TO
BE INSTALLED PRIOR TO
ISSUANCE OF BUILDING
PERMIT.

LOT 4
4.38 AC ± GROSS

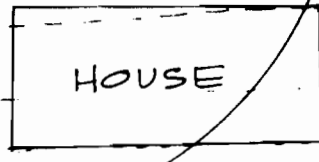
515.8 BRL
526°05'08"E 106.87'

551°09'34"E 251.25'

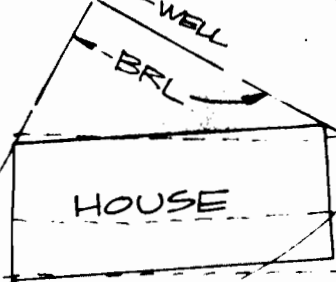
513.2
551°09'34"E 251.25'

LANDS

WELL
100' R

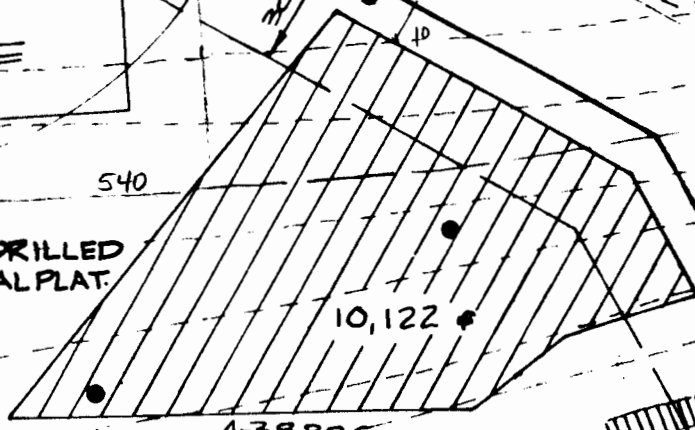


LOT 3
3.31 AC. ± GROSS

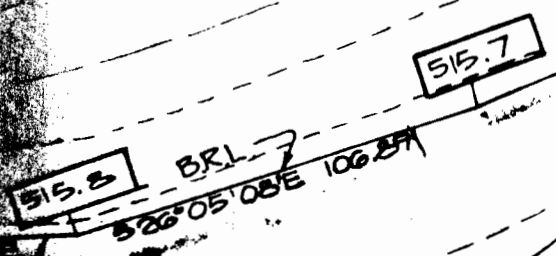


NOTE: WELL TO BE DRILLED
PRIOR TO FINAL PLAT.

NOTE: SEPTIC SYSTEM TO
BE INSTALLED PRIOR TO
ISSUANCE OF BUILDING
PERMIT.



LOT 4
4.38 AC. ± GROSS



LIMIT OF 100
YEAR FLOODPLAIN,
DRAINAGE & UTILITY
EASEMENT

LIMIT OF WETLANDS


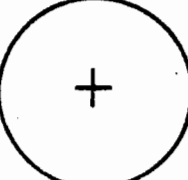




LIMIT

SUBMISSION

PARCEL 137 INC.
TAX MAP 7 PARCEL 137
ZONE-R

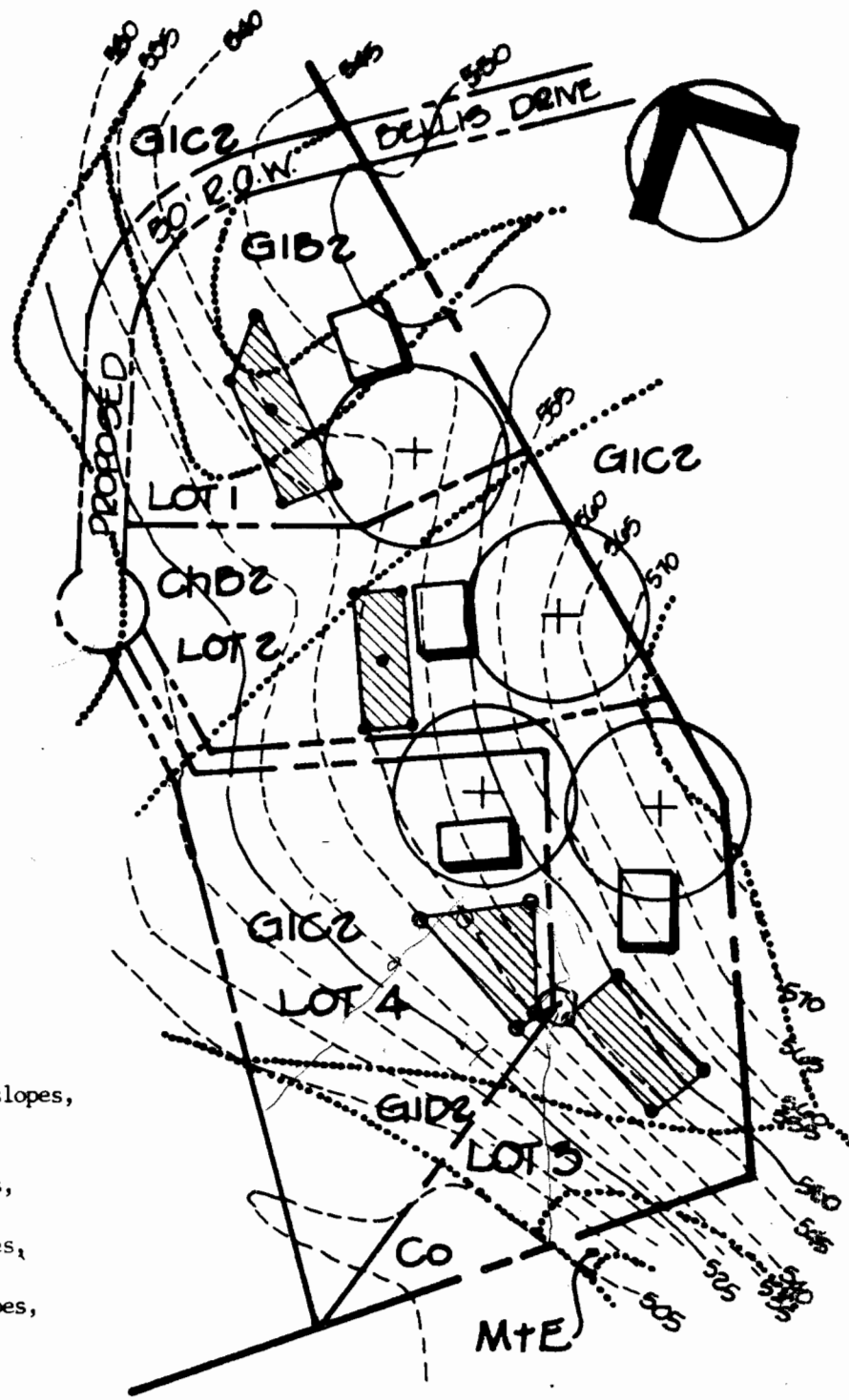
N 542,250
E 780,500

SYMBOLS KEY

-  PROPOSED HOUSE LOCATION
-  PROPOSED WELL LOCATION
-  PROPOSED SEPTIC FIELD LOCATION
-  TEST PIT/PERK TEST PASSED
-  TEST PIT/PERK TEST PROPOSED
-  SOILS TYPES

SOILS CLASSIFICATION

- ChB2 Chester Silt Loam, 3 to 8 percent slopes, moderately eroded
- Co Codorus Silt Loam
- GlB2 Glenelg Loam, 3 to 8 percent slopes, moderately eroded
- GlC2 Glenelg Loam, 8 to 15 percent slopes, moderately eroded
- GlD2 Glenelg Loam, 15 to 25 percent slopes, moderately eroded



REVISED SEPTIC PLAN LOT 4 CAT TAIL WOODS

THE RIEMER GROUP, INC.

The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
3105 North Ridge Road, - Ellicott City, Maryland 21043 (301) 461-2880

SCALE: 1" = 200'
AUGUST 10, 1987

SUBDIVISION: CAT TAIL WOODS
Bellis Dr

A 38986

LOT NUMBER: 4

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

| | <u>Septic Tank</u> | <u>Minimum Total Square Feet</u> |
|-----------|--------------------|----------------------------------|
| 3 bedroom | 1000 gallon | _____ |
| 4 bedroom | 1250 gallon | _____ |
| 5 bedroom | 1500 gallon | _____ |

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

210 sq. ft./bedroom

Trench to be 3 wide.

Inlet 4 feet below original grade.

Bottom maximum depth 6 feet below original grade.

Effective area begins at 4 feet below original grade.

2 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: STARTING FROM LEFT REAR LOT CORNER (INTERSECTION OF 392' AND 240' LOT LINES) PLACE DISTRIBUTION BOX 130' DOWN 240' LOT LINE AND 40' OFF THIS SAME LOT LINE. RUN TRENCHES ON CONTOUR TOWARD 240' LOT LINE.

DONE FROM GRADING PLAN

MR 1/17/90

A 38986

SUBDIVISION: Cattail Woods Sec. 1

LOT NUMBER: 4

Bellis Drive

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

| | <u>Septic Tank</u> | <u>Minimum Total Square Feet</u> |
|-----------|--------------------|----------------------------------|
| 3 bedroom | 1000 gallon | _____ |
| 4 bedroom | 1250 gallon | _____ |
| 5 bedroom | 1500 gallon | _____ |

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

_____ sq. ft./bedroom

Trench to be _____ wide.

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

_____ feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: Beginning at the intersection of the left (392') and rear (240') lot lines, as seen when facing the lot from the right-of-way, place the first trench 170 ft down the rear (240') lot line and 10 ft off the same lot line. Run trenches on contour toward the left (392') lot line. Maintain a minimum of 100 ft to the well.

HD-191

1-8-90 JEN

Specs written
using preliminary
plat. Check
carefully for
location changes
when final plat
is signed.
1-8-90 DEN