

Autime
9/3/98
C.O. (Final)
ASAP
12/17/98
12/22/98
House
Comp
11:00

Needs House Connection 9/8/98

PERMIT

P 510652

SEWAGE DISPOSAL SYSTEM

A 41805

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 3rd

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

DATE 8.28.98

~~XXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 12/22/98

INDEXED

INSPECTOR DKS

~~Jared D. Spahn~~ Van Sant IS PERMITTED TO INSTALL X ALTER

ADDRESS ~~10805 Hickory Ridge Road, Columbia, Md~~ PHONE ~~410-740-0114~~

SUBDIVISION W. Friendship Estates LOT 84 ROAD 3250 Fox Valley Drive

PROPERTY OWNER Hamilton Reed

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS ***SEPTIC SYSTEM TO BE INSTALLED PRIOR TO BUILDING PERMIT APPROVAL***

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet 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.

LOCATION - Begin trenches 130 feet up the right (233.44') lot line and 100 feet off that same lot line as seen when facing the lot from Fox Valley Drive. Run trenches on contour in both directions. toward Fox Valley Drive Aug 8/31/98

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

OK Km 8.25.98

PLANS APPROVED BY Ronald J. Pinkley DATE 8/25/1998

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

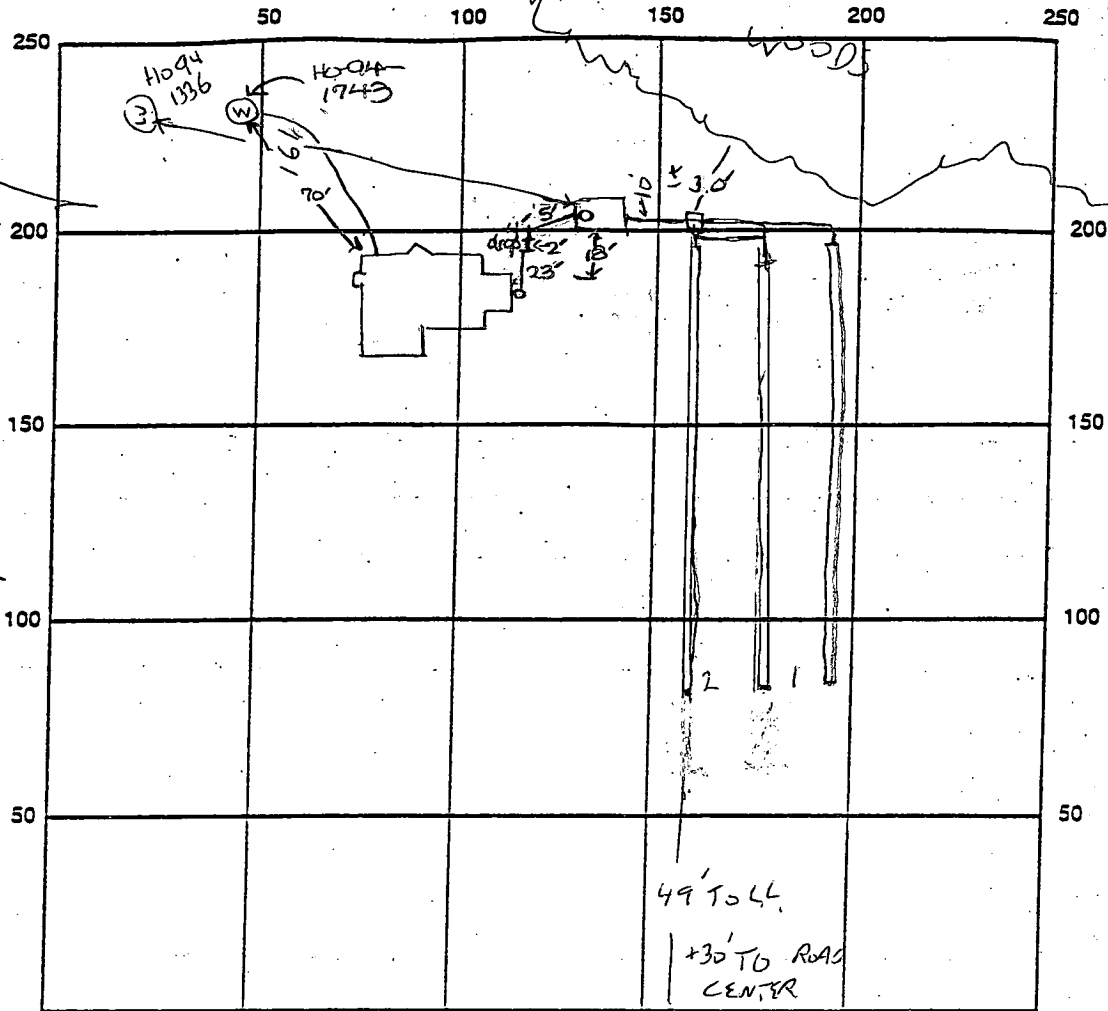
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

~~VOID BEYOND~~
~~AND RETURN~~ 5/30/01

B00130571-
14x24 covered porch
no steps

4/18/05



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 FOX VALLEY

SEPTIC TANK LEVEL OK - NEEDS CLEANOUT 1250gdc CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 241 FT. 241
723

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 723 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 2.0 FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 9.1.98 OK TO COVER 1ST TRENCH, STONE 2ND + LEAVE END OPEN OK TO COVER S.T., 2' FILL OVER 1/2 TRENCHS BY ROAD - SPECS TO ORIGINAL GRADE SYSTEM INSTALLED

OK TO CONTINUE BY 9/3/98 OK TO COVER ALL WORK - CALL FOR HOUSE CONNECTION AND 12/21/98 DO NOT COVER - 10' PRIOR TO SEPTIC TANK

12/17/98 WPI - P.A. well line 4' below grade; well casing 1' above grade; PVC conduit pipe 4" 2 pc cap installed OK TO COVER

DATE SYSTEM APPROVED 12/22/98 INSPECTOR [Signature]

12/22/98 must be at 1-2% slope DIS House connection OK - final Insp DIS

APPLICATION

PERCOLATION TESTING

A 41805

P. _____

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

DISTRICT 3RD

DATE 3/10/88

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 PRISCILLA CLAGETT AND AUIS PFEFFELKORN ~~Hamilton REED~~

ADDRESS 14000 CASTLE BOULEVARD SILVER SPRING MARYLAND 20904 PHONE 202-890-6077

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION: Prelim 14 84

SUBDIVISION BUENA VISTA FARM ESTATES (3250 Fox Valley Drive) LOT NO. 12 Sec 1

ROAD AND DESCRIPTION EAST SIDE OF PFEFFELKORN ROAD, NORTHWEST OF MD ROUTE 32

BLDG. PERMIT SIGNED
AND RECORDED 9-11-98
Serial # B1011 3350

TAX MAP 22 PARCEL # 8

SIZE OF LOT 3.5 AC. TYPE BLDG. SFD 4Bdw
(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. Priscilla S. Clagett
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

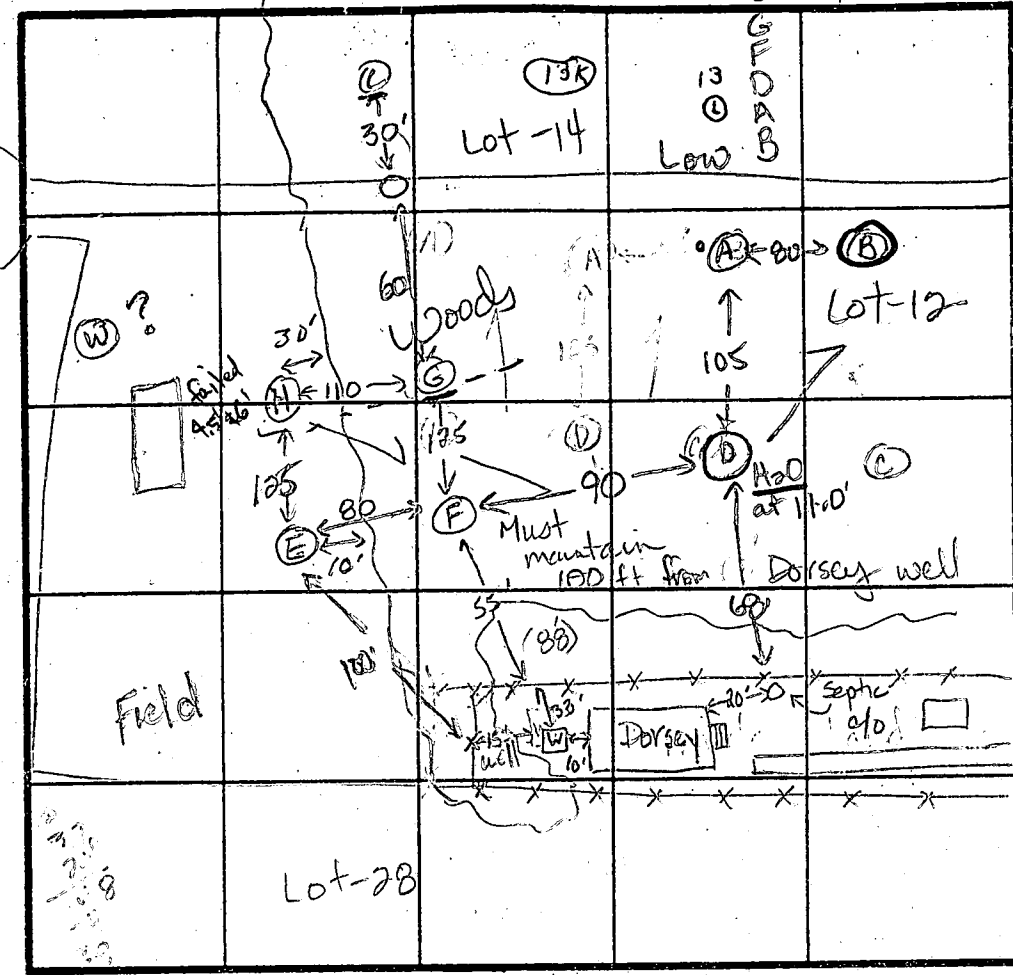
REASONS FOR REJECTION OR (HOLDING) 8-24-88 Pending perc hole locations. Hole (F) must be moved away from existing well (at least 100'), For subdivision plat approval. JEN.

THIS IS NOT A PERMIT

A 41805

old #12

High H E



(F)
0-3.0 Br sil lm, roots
30-12.5 Rd-br cl sa sil, some broken rock < 35%
12.5 Bottom

(B)
0-5.0' Br sil, full wood rock
5.0 Bottom

To → W Ivory Rd

$\bar{X} = 10$ min
Inlet = 5.5'
Bottom 7.0'

SOIL PROFILE

(E)
0-4.0 Br sil lm
4.0-12.0 Rd-br cl sa sil, some broken rock < 25%
12.0 Bottom

(H)
0-4.5 Br sil, some broken rock < 15%
4.5-14.5 Rd-br cl sa sil loam, some decomposed rock < 40%
14.5 Bottom

(G)
0-5.0' Br sil, roots
5-14.0 Br cl sa sil lm some broken rock < 20%
14.0 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Rt 32

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|--------------|---------------|--------|--------------------------------|-------|----------------|-------|---------------|
| | | | START | STOP | START | STOP | |
| 8-24-88 | ok | 6.5 M | 12:18 | 12:23 | 12:23 | 12:40 | 17 min |
| | | 4.0 S | 10:49 | 11:05 | 1/2 inch | slow | Failed |
| | | 6.5 M | 11:07 | 11:10 | 11:10 | 11:15 | 5 min |
| | | 12.0 D | (see profile) | | | | ok |
| ok | H | 4.5 S | 10:54 | 11:06 | 11:06 | 11:38 | 38 min Failed |
| | | 8.5 M | 11:40 | 11:41 | 11:41 | 11:43 | 2 min |
| | | 7.5 S | 12:10 | 12:24 | 12:24 | 12:41 | 17 min |
| | | 14.5 D | (see profile) | | | | ok |
| move over ok | F | 5.0 S | 11:25 | 11:37 | 11:37 | 11:48 | 11 min * |
| | | 12.5 D | (see profile) | | | | # |
| ok | G | 5.0 S | 11:45 | 12:05 | 1/2 inch | slow | Failed |
| | | 6.5 M | 12:29 | 12:45 | 12:45 | 1:14 | 29 min |
| ok | (see profile) | 14.0 D | (see profile) | | | | ok |
| | | 5.0 V | (see profile - Full) | | | | Failed |
| ok | (see profile) | 11.0 V | (see profile - water at 11.0') | | | | Failed |

22
19
32
Retest at 5-6'

Failed
Retest at 6'

Must move away from existing well

(D)
0-6.0' Br sil lm
6.0-11.0 Br sil sa sil
60% cap water @ 11.0'

REMARKS: * (F) Too close to Dorsey Property well
Holes moved up to higher ground. Lot-13 septic may impact on Lot-12 well. Reviewed carefully.

TYPE OF SOIL: 0-5 Br sil, < 20% broken rock 5-14 Rd-br cl sa sil, < 40% decomposed

TESTED BY: Jane E. Nadeau

ALSO PRESENT: Phillip, Roger

LOT 85

COUNTY #

SOIL PROFILE

3040

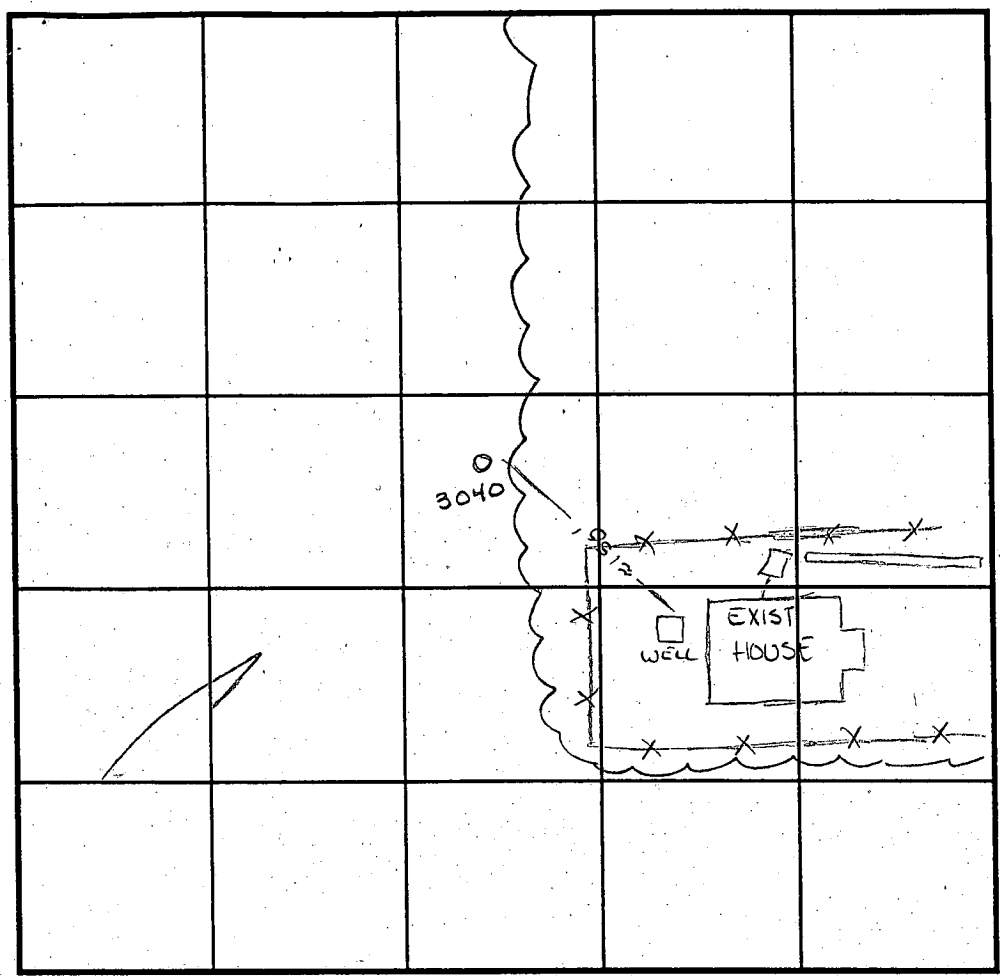
0' red delish
CL
large rocks
15%

3.5' red brn
CSL
large
rocks 15%

5' red brn
SIL
25%
rock
fraggs

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
MO RT 32

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|----------|----------|---------|--------------------|--------------------|--------------------|-------|
| | | | START | STOP | START | STOP | |
| 3-15-98 | 3040 | 4' / 10' | 2:31 | 2:32 ¹⁵ | 2:32 ¹⁵ | 2:34 ¹⁵ | 2 min |
| | | | | | | | |
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| | | | | | | | |

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Olan Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

COUNTY #

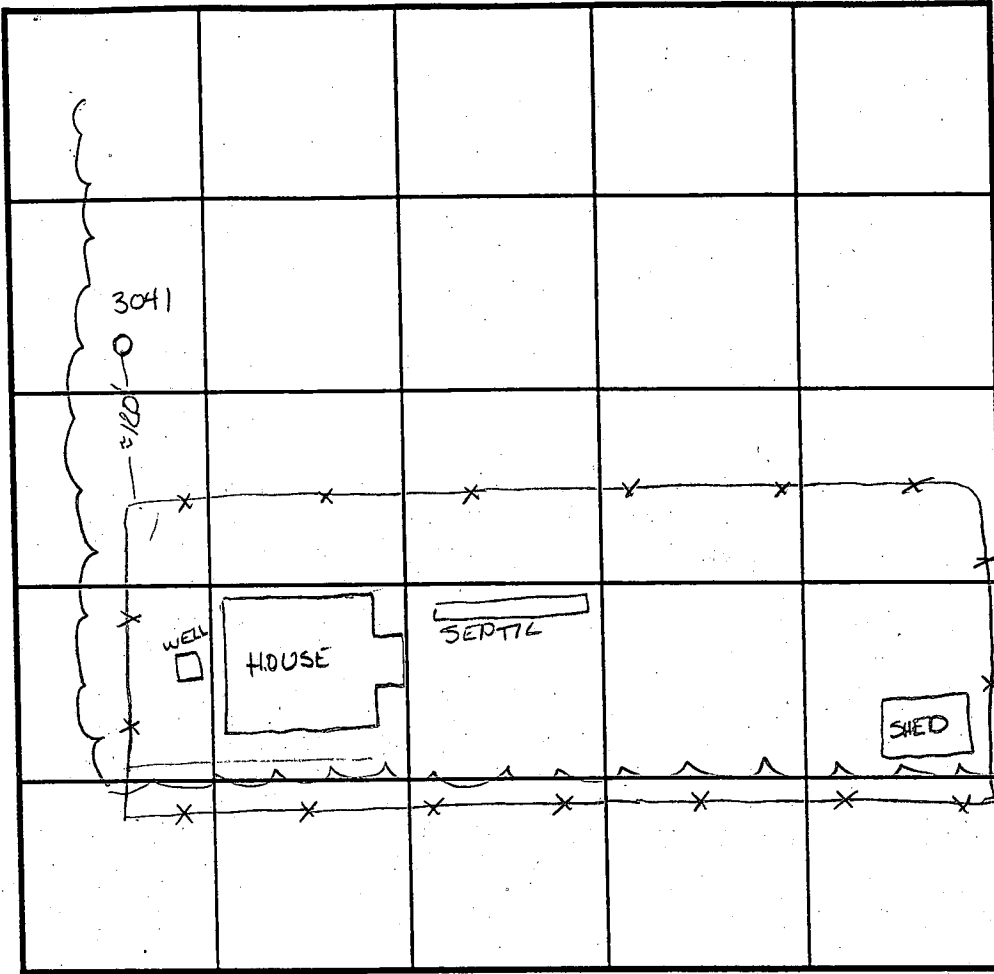
SOIL PROFILE

3041

0' brrr-organic layer
 2' bright red silcl
 4' bright red sil very sticky
 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 | |
| 3-16-95 | 3041 | 5.5 VII' | 11:03 ³⁰ | 11:04 ³⁰ | 11:04 ³⁰ | 11:12 ³⁰ | 8min |
| | | | | | | | |
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REMARKS _____

TYPE OF SOIL _____

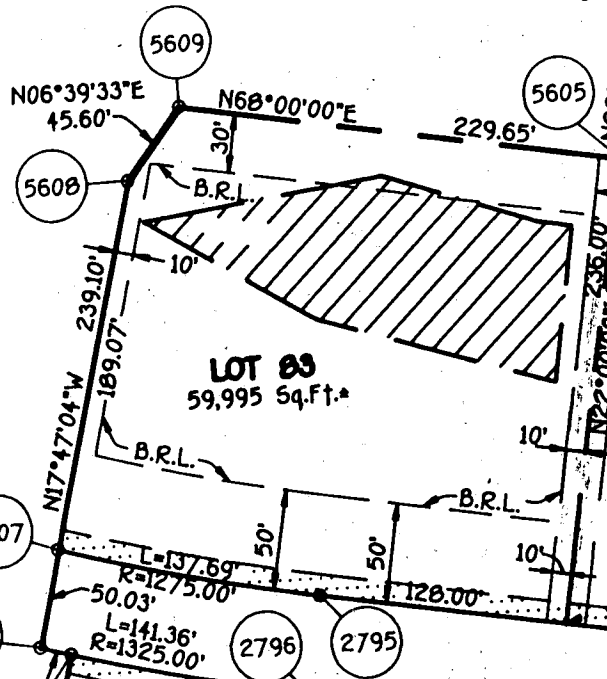
TESTED BY Amy McMillen ALSO PRESENT Olan Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

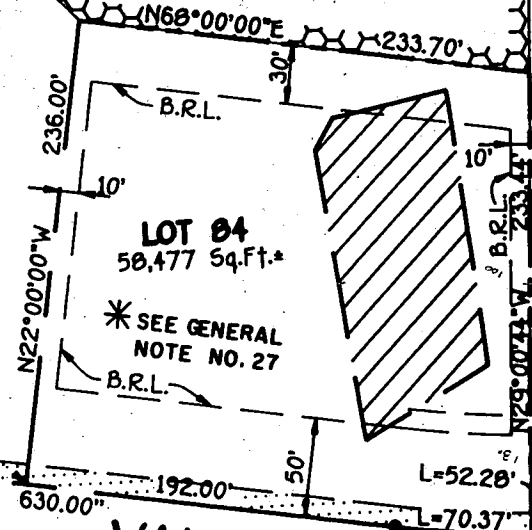
UTILITY EASEMENT

PRESERVATION PARCEL 'O'
(AREA THIS SHEET = 7.264 Ac.*
TOTAL AREA = 11.953 Ac.*)



LOT 03
59,995 Sq.Ft.*

20' PUBLIC DRAINAGE & UTILITY EASEMENT



LOT 04
50,477 Sq.Ft.*

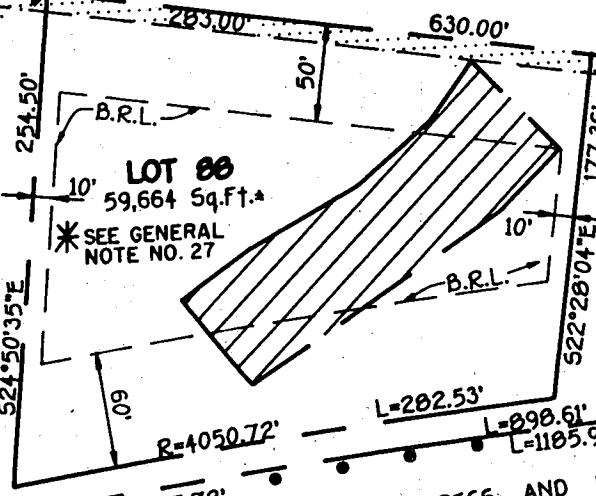
*SEE GENERAL NOTE NO. 27

PARCEL 'J'

NON-BUILDABLE PARCEL 'P' (0.656 AC.) CONVEYED TO ADJOINING PARCEL OWNED BY JEFF AND LYNDA W. UPON RECORDATION OF THIS PLAT

PROPERTY OF ANDREW AND EDITH DORSEY L.272 F.483

Approved F-95-183



LOT 06
59,664 Sq.Ft.*

*SEE GENERAL NOTE NO. 27

VALLEY DRIVE

10' PUBLIC TREE MAINTENANCE EASEMENT

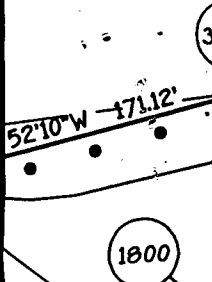
NON-BUILDABLE PARCEL 'J' (0.550 AC.) CONVEYED TO ADJOINING PARCEL, OWNED BY ANDREW AND EDITH DORSEY UPON RECORDATION OF THIS PLAT

ENVIRONMENTAL PRESERVATION PARCEL 'G'
4.125 Ac.*

65 dba NOISE LEVEL LINE

VEHICULAR INGRESS AND EGRESS IS RESTRICTED

LAND TO THE STATE THE PURPOSE OF



EXISTING RIGHT-OF-WAY LINE THROUGH HIGHWAY

MARYLAND

ROUTE

32

PLAT No. 20496, 20497, 20498 & 20499

DEVELOPER

6030

PR

HAMILTON REED



12-14-98

\$6825.00
check - cash
C/R # 19222

~~cc Health
Dept~~

To: Howard County
Building Permit Division
MRS Avis Corbis

I WOULD LIKE TO AMEND BUILDING PERMIT
B00113350, ADDRESS 3250 FOX VALLEY DR
WEST FRIENDSHIP, MD. TO INCLUDE A 12' X 18'
SUN ROOM W/ BASEMENT IT WAS OVERLOOKED ON
THE ORIGINAL PERMIT. FOOTING, DRAINTILE + BACKFILL
WATER PROOF INSPECTIONS WERE MADE.

Stephen F. Fomy, men
HAMILTON REED, LLC.

THANK YOU

SORRY FOR ANY
INCONVENIENCE

GENERAL NOTES:

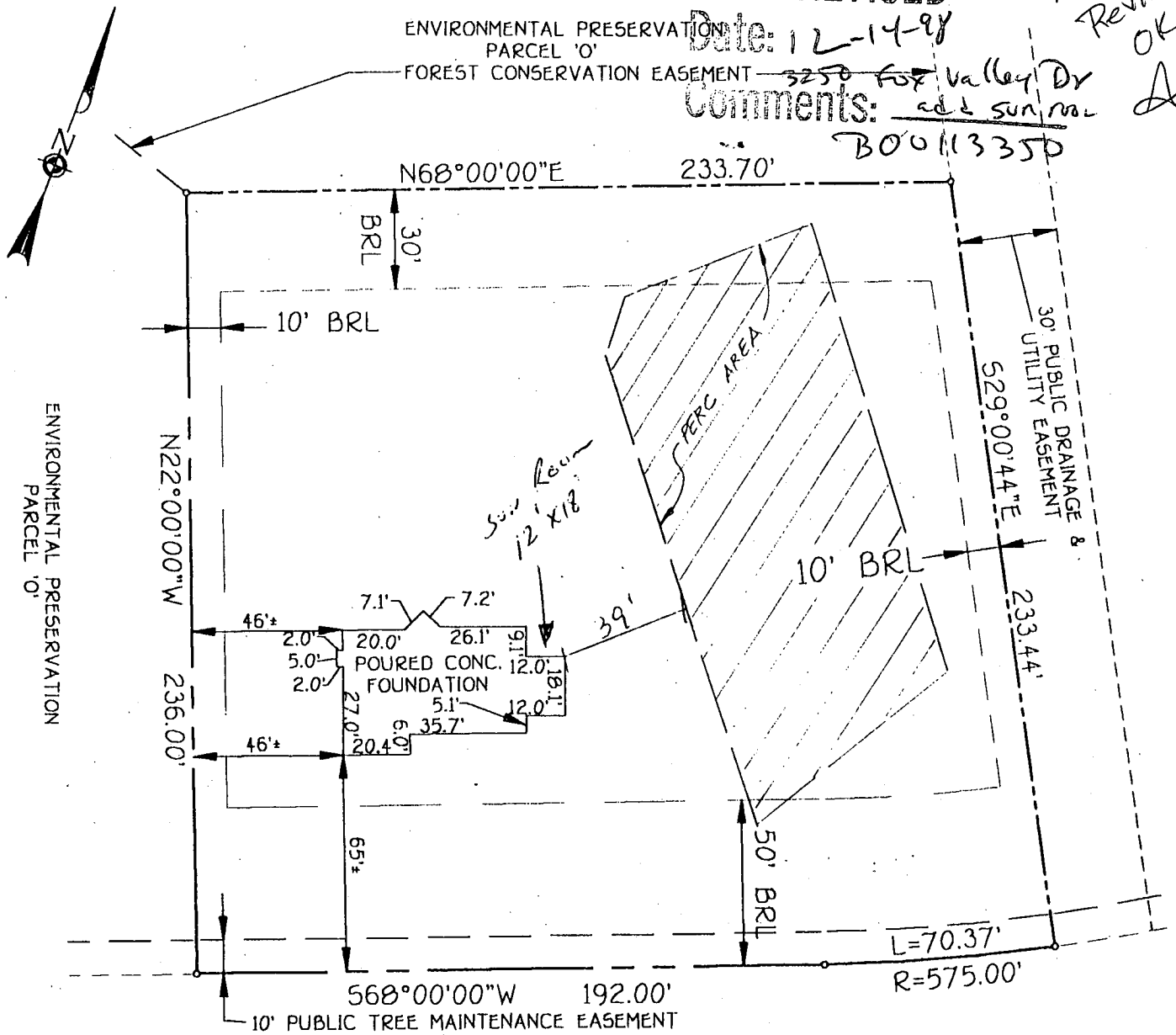
- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440021 B, EFFECTIVE DATE: DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).

REVISED

Date: 12-14-98

12/16/98
Revision
OK
AL

Comments: 3250 Fox Valley Dr
add sun room



NOTE: SEPTIC SYSTEMS SHALL BE INSTALLED ON LOTS B4 & B8 PRIOR TO BUILDING PERMIT.

FOX VALLEY DRIVE
(50' R/W)

• FOX VALLEY DRIVE
BRL = BUILDING RESTRICTION LINE
TOP FOUNDATION ELEV. = 599.2'

LOT B4
WEST FRIENDSHIP ESTATES
SECTION 2
LOTS 57 THRU 100 PARCELS 'E' THRU 'Q'
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT REF.: *12452

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855



David L. Hill
PROFESSIONAL LAND SURVEYOR DATE 9/23/98
REG. * 339

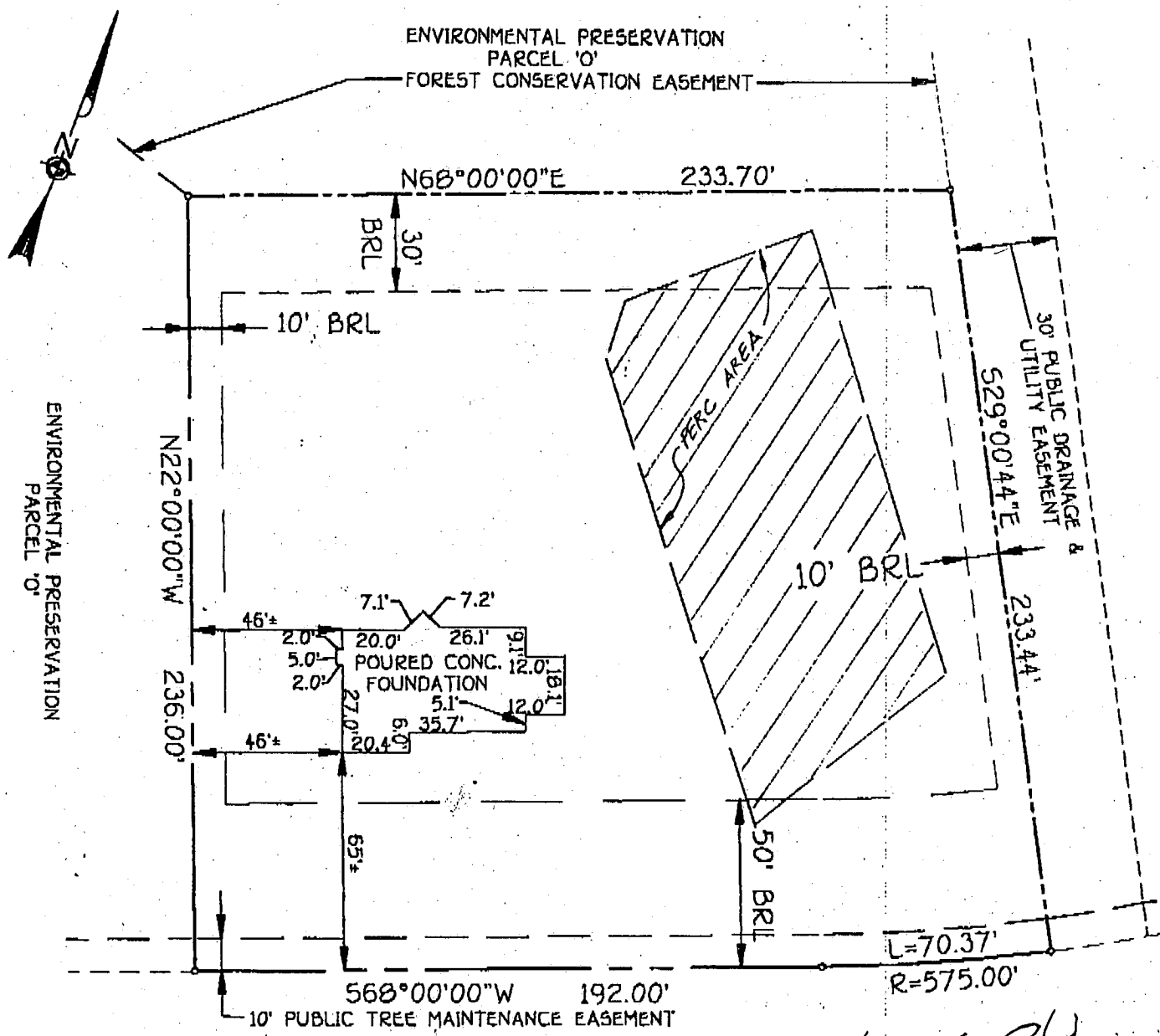
HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 9/22/98
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=50'
DATE: 9/23/98
DRAWN BY: J.A.U.
CHECKED BY: M.L.R.
PROJECT No.: 61108

GENERAL NOTES:

- 1) THIS PLAT, IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
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- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).



NOTE: SEPTIC SYSTEMS SHALL BE INSTALLED ON LOTS B4 & B8 PRIOR TO BUILDING PERMIT.

FOX VALLEY DRIVE
(50' R/W)

HOUSE MOVED FROM SITE PLAN DOES NOT AFFECT REPAIR AREA

LOT 84

LOT 84
WEST FRIENDSHIP ESTATES
SECTION 2
LOTS 57 THRU 100 PARCELS 'E' THRU 'Q'
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT REF.: *12452

* FOX VALLEY DRIVE
BRL = BUILDING RESTRICTION LINE
TOP FOUNDATION ELEV. = 599.2'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855

G:\DWG\61108\LOT84HL.DWG



Mark L. Robel
PROFESSIONAL LAND SURVEYOR DATE 9/23/98
REG. # 339

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 9/22/98
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=50'
DATE: 9/23/98
DRAWN BY: JAU
CHECKED BY: M.L.R.
PROJECT No.: 61108

ENGINEER'S CERTIFICATE

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

Earl D. Lott 7-20-98
SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE

I/WE 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 THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

David Farnes 7-20-98
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

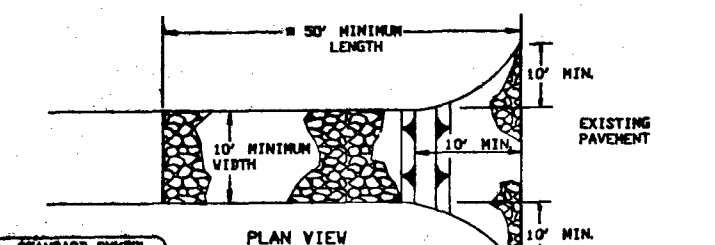
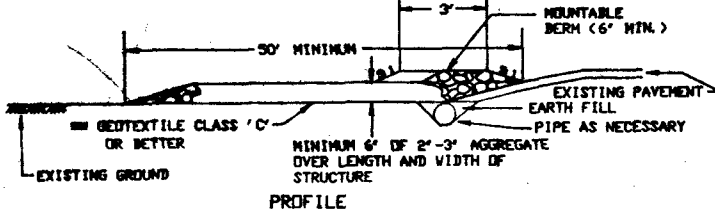
Carol Summs 7/28/98
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John J. Kelly 7/28/98
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1053).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: 3) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, 4) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), 500 (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RESEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 - TOTAL AREA OF SITE: 1.24 ACRES
 - AREA DISTURBED: 0.38 ACRES
 - AREA TO BE ROOFED OR PAVED: 0.03 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED: 0.83 ACRES
 - TOTAL CUT: 150 CUBIC YDS.
 - OFFSITE WASTE/BORROW AREA LOCATION: CUYD.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING, ACTIVITY OR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, ON ALL DISTURBED AREAS IN EXCESS OF 2 ACRES.
- APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.



STANDARD SYMBOL: SILT FENCE
Construction Specification

- Length - minimum of 30' (300' for single residence lot).
- Width - 10' minimum, should be placed at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.
- Stone - crushed aggregate (2" to 3") or recycled or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm 210' slope and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 481 - 2955
F.C.C. 60527/LOTPLAN-LOT84.DWG

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 day)
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2 days)
- CONSTRUCT DWELLING ON SITE. (90 days)
- AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (32 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 15, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (07 LBS./1000SQ.FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE 500.

MULCHING
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 6 FEET OR HIGHER, USE 340 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE 0.15 LBS./1000 SQ.FT.) OF 10-20-20 FERTILIZER.

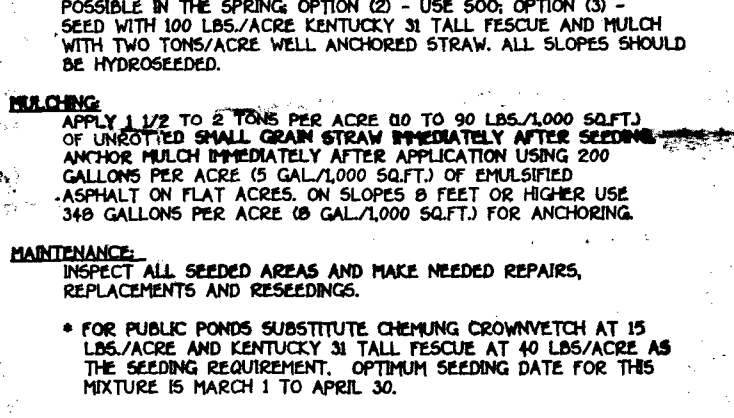
SEEDING
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (23 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (0.4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (2) - USE 500, OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MULCHING
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 6 FEET OR HIGHER USE 340 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) FOR ANCHORING.

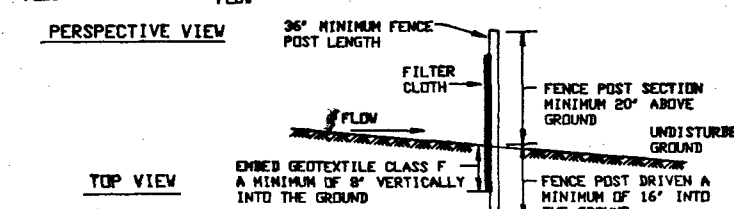
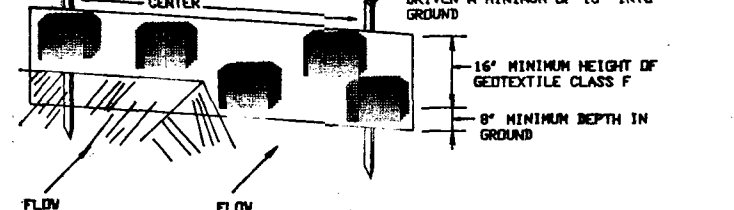
MAINTENANCE
INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

FOR PUBLIC PONDS SUBSTITUTE CHEWING CROWNFETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

ENVIRONMENTAL PRESERVATION PARCEL 'C'



STANDARD SYMBOL: SILT FENCE
Construction Specifications



STANDARD SYMBOL: SILT FENCE
Construction Specifications

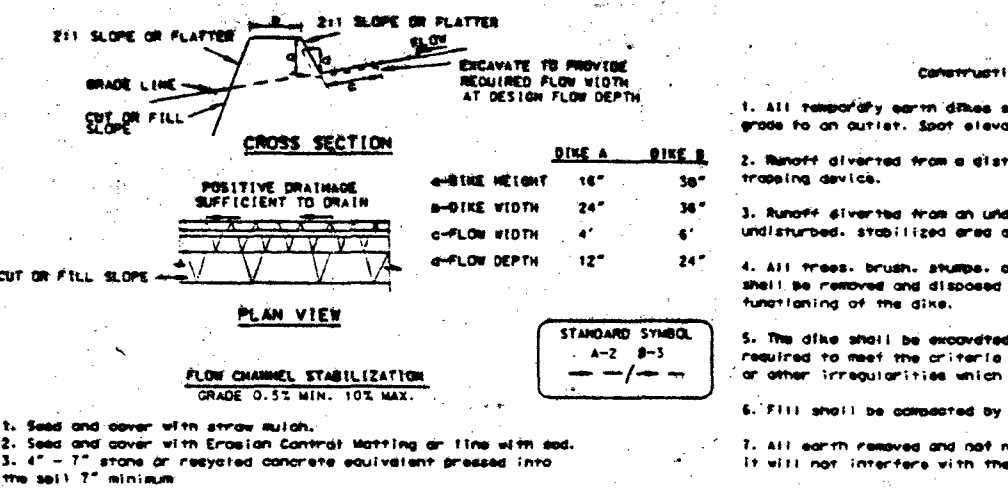
- Fence posts shall be a minimum of 36' long driven 16' minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum cut), or 1 3/4" diameter (minimum round) and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

| | | |
|----------------------|--------------------------------|----------------|
| Tensile Strength | 30 lbs/in (min.) | Test: MSMT 509 |
| Tensile Modulus | 20 lbs/in (min.) | Test: MSMT 509 |
| Flow Rate | 0.3 gal per 1/2" minute (max.) | Test: MSMT 502 |
| Filtering Efficiency | 75% (min.) | Test: MSMT 502 |
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

SILT FENCE

NOT TO SCALE

TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-6 TONS/ACRE (200-400 POUNDS PER 1000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.



- Seed and cover with straw mulch.
- Seed and cover with Erosion Control Matting or lime with seed.
- 4" - 7" stone or recycled concrete equivalent graded into the soil 7" minimum.

ENVIRONMENTAL PRESERVATION PARCEL 'C'

NOTE: SEPTIC SYSTEM TO BE INSTALLED PRIOR TO BUILDING PERMIT. SEE PLAN 1245Z.

PROBABLE WELL LOCATION

NOTE: TOPOGRAPHY IS BASED ON FINAL ROAD DRAWING PLANS.

APPROVED SEPTIC SYSTEM PLAN HOWARD COUNTY HEALTH DEPARTMENT

9-9-98 LOT MEASUREMENTS FRONT LOTS TO C2 = 125 C.F. LOT CORNER TO WELL = 168' HAVE CORNER TO C2 30' 105'4" TO 30'11" FROM ST SURVEY TO HOUSE CORNER TO TANK 30' (ALLOWED FOR 12' OFFSET)

HOUSE TO HOUSE 114' PER STAKE FOUND WALL TO C2 163'

ENVIRONMENTAL PRESERVATION PARCEL 'C'

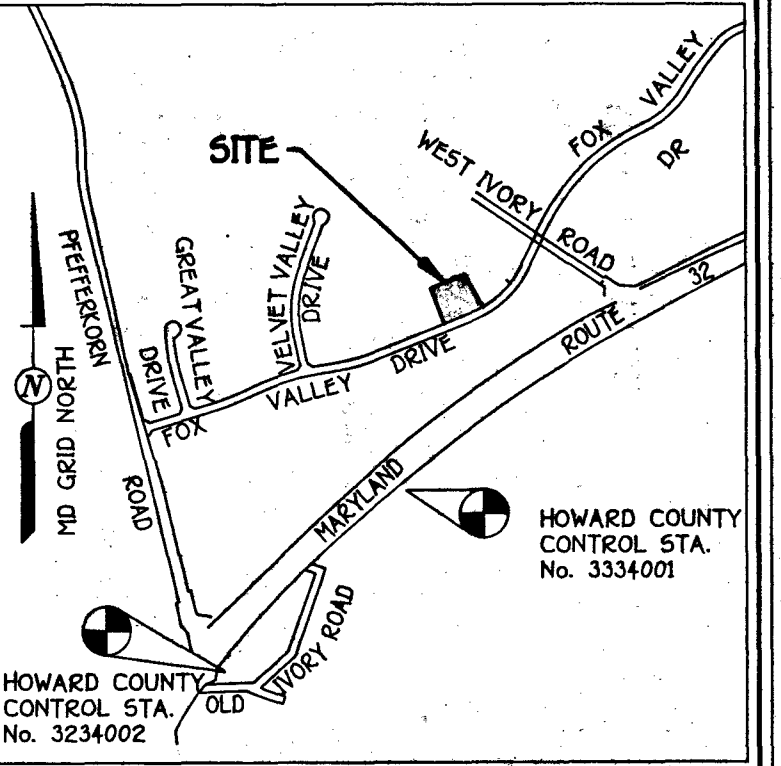
STATE OF MARYLAND PROFESSIONAL ENGINEER

TAX MAP 22 THIRD ELECTION DISTRICT SCALE: 1" = 50'

PARCEL 556 HOWARD COUNTY, MARYLAND DATE: JULY 16, 1998

61108

69-99-17C



VICINITY MAP
SCALE: 1" = 100'

GENERAL NOTES

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
- PROPOSED 1500 GALLON SEPTIC TANK:
 - A. FIRST FLOOR ELEVATION: 604.00
 - B. BASEMENT ELEVATION: 505.00
 - C. INVERT OF SEPTIC SYSTEM AT HOUSE: 590.70
 - D. INVERT IN AT SEPTIC TANK: 585.50
 - E. INVERT OUT AT SEPTIC TANK: 582.70
 - F. PROPOSED GRADE OVER SEPTIC TANK: 505.00
 - G. INVERT AT DISTRIBUTION BOX: 585.00
 - H. EXISTING GROUND OVER DISTRIBUTION BOX: 592.00
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

NOTE: TOPOGRAPHY IS BASED ON FINAL ROAD DRAWING PLANS.

APPROVED SEPTIC SYSTEM PLAN HOWARD COUNTY HEALTH DEPARTMENT

Signature: _____ Date: _____

Total linear feet of trench required: 240 feet

Width of trench(es): 3'

Depth of trench(es): 6.0'

Depth of stone required below distribution pipe: 2.0'

Field Sheet

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT

WEST FRIENDSHIP ESTATES

LOT 84

TAX MAP 22 THIRD ELECTION DISTRICT SCALE: 1" = 50'

PARCEL 556 HOWARD COUNTY, MARYLAND DATE: JULY 16, 1998

ENGINEER'S CERTIFICATE

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

Signature of Engineer: *Paul D. Loh* DATE: 7-20-98

DEVELOPER'S CERTIFICATE

I/WE 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 THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature of Developer: *Shono Farnox* DATE: 7-20-98

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

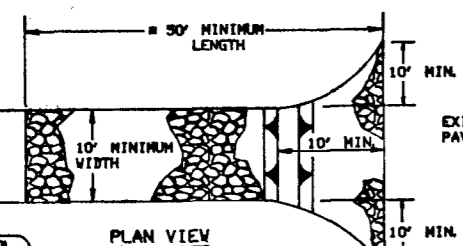
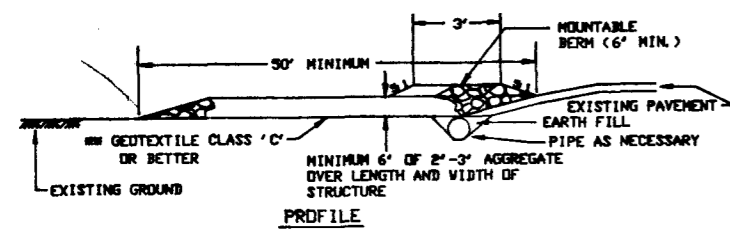
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (03-10-95).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, Dikes, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SOIL SEC. (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 - TOTAL AREA OF SITE: 1.24 ACRES
 - AREA DISTURBED: 0.38 ACRES
 - AREA TO BE ROOFED OR PAVED: 0.03 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED: 0.83 ACRES
 - TOTAL CUT: 12,150 CU.YDS.
 - OFFSITE WASTE/BORROW AREA LOCATION: CU.YDS.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY OR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.



STANDARD SYMBOL: *Grass*

Construction Specification

- Length - minimum of 30' (30') for single residence lots.
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. If the plan approval authority may not require single family residences to use geotextile.
- Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a roustable berm with 3:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SDE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE
FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 481-2855
 F.C.C.-60527PLOTPLAN-LOT84.DWG

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 day)
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2 days)
- CONSTRUCT DWELLING ON SITE. (90 days)
- AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION

LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS

APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (07 LBS./1000SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOO.

MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 6 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION

LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS

APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE (15 LBS./1000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (23 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (2) - USE SOO, OPTION (3) SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

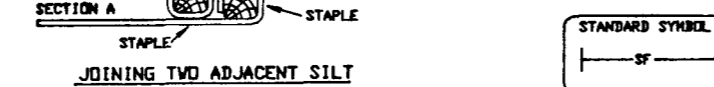
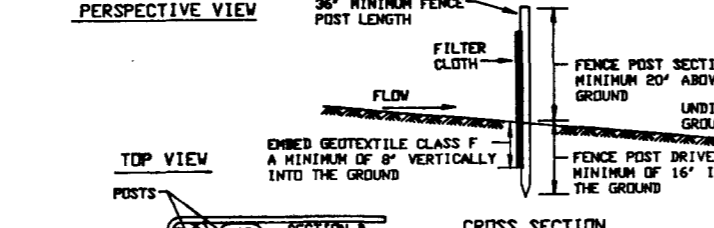
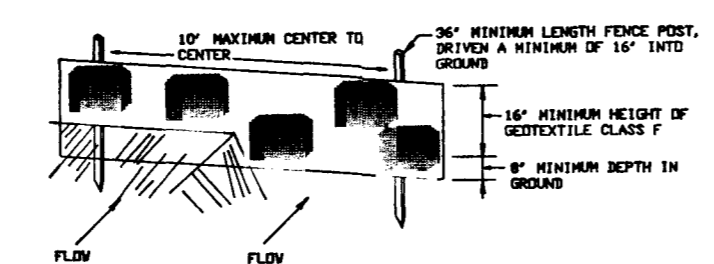
MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 6 FEET OR HIGHER USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE

INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNWEED AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



Construction Specifications

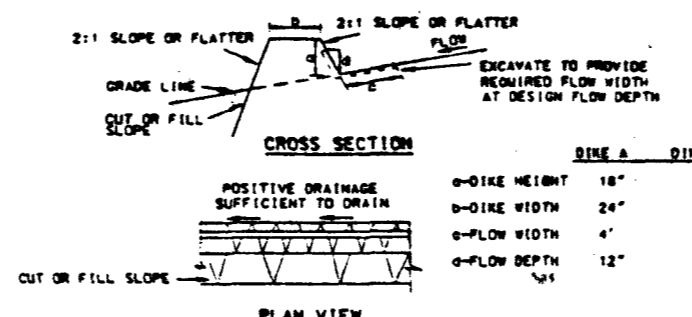
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
 - Tensile Strength: 50 lbs/in (min.) Test: HST 509
 - Tensile Modulus: 20 lbs/in (min.) Test: HST 509
 - Flow Rate: 0.3 gal (P4)/minute (max.) Test: HST 322
 - Filtering Efficiency: 75% (min.) Test: HST 322
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 90% of the fabric height.

STANDARD SYMBOL: *Silt Fence*

SILT FENCE

NOT TO SCALE

TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
 TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
 TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERNUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
 WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.



Construction Specifications

- All temporary earth dikes shall have unimproved positive grade to an outlet. Spot elevations may be necessary for grades less than 1:5.
- Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
- Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erodible velocity.
- All trees, brush, shrubs, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.
- The dike shall be excavated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bawk projections or other irregularities which will impede normal flow.
- Fill shall be conducted by earth moving equipment.
- All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.
- Inspection and maintenance must be provided periodically and after each rain event.

ENVIRONMENTAL PRESERVATION

PARCEL 'C'

FOREST CONSERVATION EASEMENT

SEPTIC INSTALL SO 9/3/98

Approved Sentic System Plan - Howard County Health Department

LOT 84 58,477 SF PLAT 1245Z

NOTE: SEPTIC SYSTEM TO BE INSTALLED PRIOR TO BUILDING PERMIT SEE PLAT 1245Z

DISTRIBUTION BOX SEPTIC TANK

EARTH DIKE TO DIVERT CLEAN WATER 10' PUBLIC TREE

MAINTENANCE EASEMENT

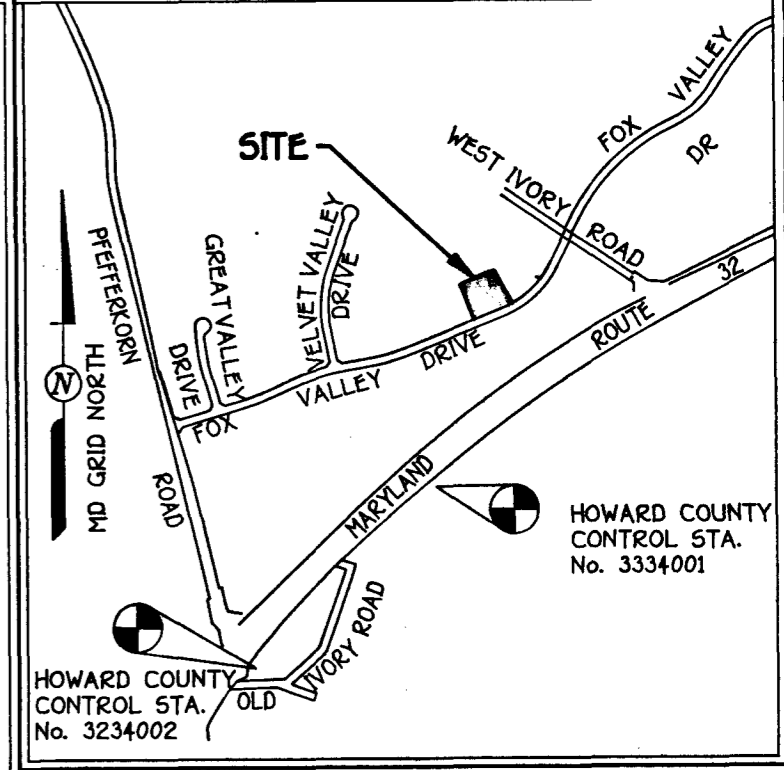
FOX VALLEY DRIVE

LOT 88

ENVIRONMENTAL PRESERVATION PARCEL 'G'

LOT 87

STANDARD SYMBOL: *Grass*

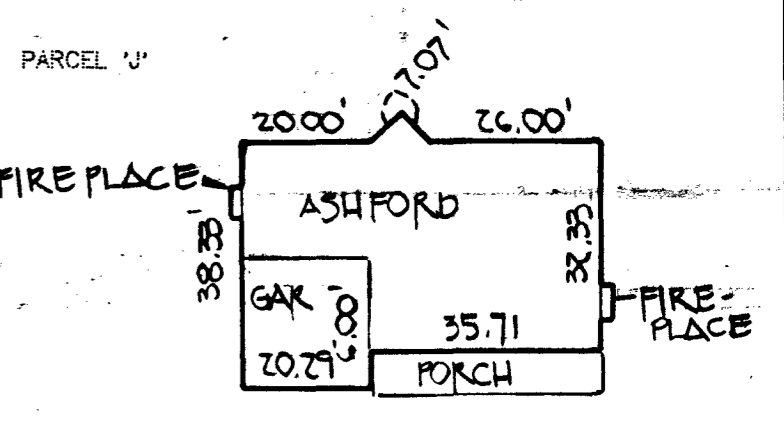


VICINITY MAP SCALE: 1" = 1200'

GENERAL NOTES

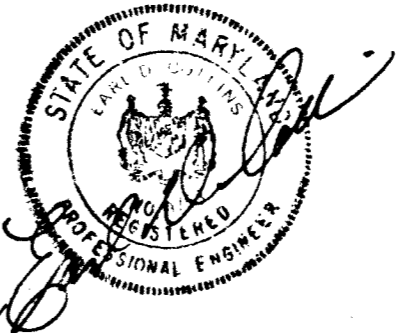
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO.
- PROPOSED 1500 GALLON SEPTIC TANK: 604.00
- A. FIRST FLOOR ELEVATION: 595.00
- B. BASEMENT ELEVATION: 590.20
- C. INVERT OF SEPTIC SYSTEM AT HOUSE: 588.50
- D. INVERT IN AT SEPTIC TANK: 582.00
- E. INVERT OUT AT SEPTIC TANK: 582.00
- F. PROPOSED GRADE OVER SEPTIC TANK: 595.00
- G. INVERT AT DISTRIBUTION BOX: 580.00
- H. EXISTING GROUND OVER DISTRIBUTION BOX: 592.00
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

NOTE: TOPOGRAPHY IS BASED ON FINAL ROAD DRAWING PLANS.



-Approved BP site plan -
 608-99-17c

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT
WEST FRIENDSHIP ESTATES
 LOT 84



TAX MAP 22
 THIRD ELECTION DISTRICT
 SCALE: 1" = 50'

PARCEL 556
 HOWARD COUNTY, MARYLAND
 DATE: JULY 16, 1998

C1 04041 SEQUENCE NO. (MDE USE ONLY)
 1 2 3 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3,6 ON ALL CARDS)
 ST/CO USE ONLY
 DATE RECEIVED
 MM DD YY
 8 13

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER **A41805**
 PERMIT NO. FROM "PERMIT TO DRILL WELL"
HO-94-1743
 28 29 30 31 32 33 34 35 36 37

DATE WELL COMPLETED **07 24 98** Depth of Well **22 265 26**
 (TO NEAREST FOOT)
 OWNER **Hamilton Reed** (last name first name)
 STREET OR RFD **Fox Valley Dr** TOWN **West Friendship**
 SUBDIVISION **Fox Valley** SECTION LOT **84**

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 | |
| Top Soil | 0 | 2 | |
| Sandy | 2 | 35 | ✓ |
| Sand Stone | 35 | 40 | |
| MICKA | 40 | 65 | |
| Sand Stone | 65 | 20 | ✓ |
| MICKA | 20 | 265 | |

400 ft only
 Hole filled with well cuttings & #2 Cement

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **12** NO. OF POUNDS **1200**
 GALLONS OF WATER **32**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **30+** 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 **PL**
 Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **46**
 60 61 63 64 66 70

OTHER CASING (if used)
 diameter inch depth (feet) from to

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

C3
 PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min.) **5**
 METHOD USED TO MEASURE PUMPING RATE **Budget**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **34** ft.
 WHEN PUMPING **126** ft.
 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 WILL INSTALL 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
 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)

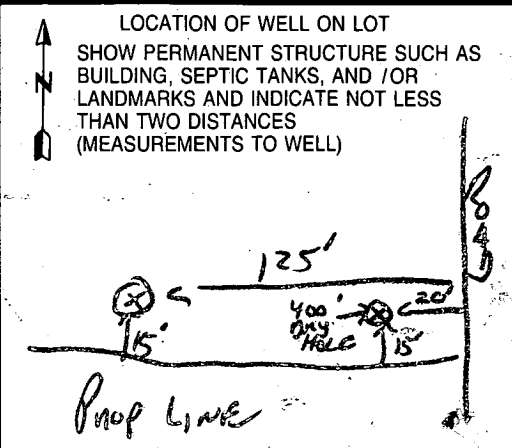
NUMBER OF UNSUCCESSFUL WELLS: **0**
 WELL HYDROFRACTURED **Y** **N**
 CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

C2 DEPTH (nearest ft.)
 1 **HO** **44** **265**
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
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 97
 98
 99
 100

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. **MSD116**
Nash Mays
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 LIC. NO. **MSD117**
Nash Mays
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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 04787

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HD-94-1743 fill in this form completely

Date Received (APA)

09/1/99

OWNER INFORMATION

AMEL FOX Reel

10805 HICKORY RIDGE

COLUMBIA MD 21047

DRILLER INFORMATION

RALPH MAYNE MSJ 77 License No. 80

Ralph Mayne Well Drilling 9120 Brown Church Rd. Mt Airy

Signature: Ralph Mayne Date: 9-11-98

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 150 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
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
THIS WELL WILL DEEPEMED AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

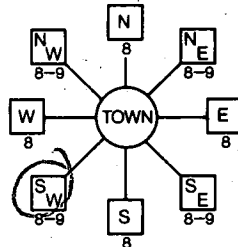
FORCE 67 INITIALS IN BOX PERMIT No. HD-94-1743

SPECIAL CONDITIONS

LOCATION OF WELL

HOWARD COUNTY FOX VALLEY WEST FRIEROSHIP MILES FROM TOWN 1 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



FOX VALLEY DR. NEAR WHAT ROAD

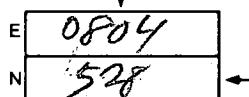


DISTANCE FROM ROAD 125 ENTER FT. or MI

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

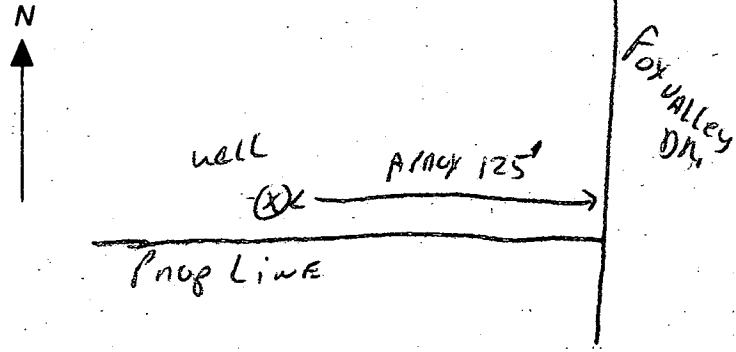
Howard COUNTY NAME A 41805 COUNTY NO. DATE ISSUED 09/1/98 CO SIGNATURE EXP. DATE NORTH GRID 5280000 EAST GRID 0809000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well WRITE THE BOX NUMBER FROM THE MAP HERE



9/24/98 Grout @ 9:00 grout in progress

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



313-2678

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement _____

Receipt # _____
Date _____

Name of Installer CLARKE PTH Inc

Telephone 410-489-4029

License Number 3808

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber

Name of Property Owner Hamilton Reed

Telephone 410-740-2100

Subdivision West Friendship Lot # 87

Well Tag # _____

Site Address 3250 Fox Valley Dr.

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible
- Make _____
- Model # _____
- Capacity _____ GPM
- Pump exceeds well capacity Yes _____ No _____
- If Yes, is low pressure cutoff switch installed? Yes _____ No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards Other _____

Motor

- Horsepower _____
- RPM _____
- Voltage _____
 - 110 _____
 - 220

Pitless Adapter

- Make P-T-800
- Model # _____
- Depth 42"

Tank

- Capacity 42
- Pressure relief valve? 25

Piping

- Type Plastic
- Size 1"
- NSF and/or BOCA Code approved _____
- Depth of supply line 42"

Well data

- Depth _____ ft.
- Yield _____ GPM
- Static water level _____ ft.
- Will water supply be disinfected by installer? NO

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Bennett C. Clarke

Date: 12-15-98

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HD-215

 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 3/3/99 (month/day/year)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | - | 9 | 4 | - | 1 | 3 | 3 | 6 |
|---|---|---|---|---|---|---|---|---|---|

- * PERMIT NUMBER OF ABANDONED WELL (if any)
- * PERMIT NUMBER OF REPLACEMENT WELL

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

PERSON ABANDONING WELL: Mike Johnson WELL DRILLERS LICENSE NUMBER: _____
 (Associated Excavators)
 OWNER'S NAME: Hamilton Reed CIRCLE: MWD/MSD/MGD
 WELL LOCATION: 3250 Fox Valley Drive

COUNTY: Howard
 NEAREST TOWN: West Friendship
 TAX MAP _____ BLOCK _____ PARCEL _____
 SUBDIVISION: W. Friendship Estates
 SECTION: _____ LOT: 84

| | |
|-----|--|
| | |
| 000 | |
| 000 | |

MARYLAND GRID COORDINATES

E _____
 BOX NUMBER _____ ←
 N _____

SHOW WELL LOCATION
 BY X WITHIN BOX

- * TYPE OF WELL BEING ABANDONED:
- DRILLED
- BORED/AUGURED
- OTHER (specify) _____
- JETTED
- HAND DUG

LOG OF SEALING MATERIAL

| MATERIAL | FEET | |
|----------|------|----|
| | FROM | TO |
| Quikrete | 140 | 0 |

- * USE CODE:
- DOMESTIC
- IRRIGATION
- TEST/OBSERVATION
- MUNICIPAL/PUBLIC
- INDUSTRIAL

- * TYPE OF CASING:
- STEEL
- CONCRETE
- PLASTIC
- OTHER (specify) _____

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 140 FEET DEEP

WAS ANY CASING REMOVED? YES _____ NO (NO)
 if yes, length removed, in feet: _____

WAS CASING RIPPED OR PERFORATED? YES _____ NO (NO)

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN _____ LICENSE # _____

MWD/MSD/MGD
 CIRCLE ONE

3/3/99
 DATE

C1 09416

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A-41805

(THIS NUMBER IS TO BE PUNCHED IN GOLS. 3- ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY 08 17 98

Depth of Well 22 140 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-99-1336

OWNER: REED & HAMILTON last name first name STREET OR RFD: FOX VALLEY DR TOWN: W. FRIENDSHIP SUBDIVISION: W. FRIENDSHIP EST. SECTION: 2 LOT: 89

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES [Y] NO [N] TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 10 NO. OF POUNDS 1000 GALLONS OF WATER 60 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 28 ft.

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 5 METHOD USED TO MEASURE PUMPING RATE: Beckor WATER LEVEL (distance from land surface) BEFORE PUMPING 33 ft. WHEN PUMPING 58 ft. TYPE OF PUMP USED (for test) [S] submersible

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: Top Soil (0-2), Sandy (2-20), Sand Stone (20-25), MICKA (25-30), Sand Stone (30-35), MICKA (35-140)

CASING RECORD casing types insert appropriate code below [ST] STEEL [CO] CONCRETE [PL] PLASTIC [OT] OTHER

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 30

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole (insert appropriate) [ST] STEEL [BR] BRASS [HO] OPEN HOLE

PUMP INSTALLED DRILLER WILL INSTALL 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. CAPACITY: GALLONS PER MINUTE (nearest gallon) 31 35 HP HORSE POWER 37 41 MP COLUMN LENGTH (nearest ft.) 43 47 SING HEIGHT (circle appropriate box and enter casing height) above below LAND SURFACE 2 (nearest foot)

PREGNANT WOMEN & CHILDREN'S PROGRAM 1-800-456-8900

Get Help with the High Costs of Having Your Baby.

10/22/98 Per S. Jorney, this well was drilled on pres. parcel by mistake. This well shall be abandoned

NUMBER OF UNSUCCESSFUL WELLS

WELL HYDROFRACTURED

CIRCLE APPROPRIATE A A WELL WAS ABANDONED AND WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PI WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN COMPLETED IN ACCORDANCE WITH COMAR 26.04.04 "WELL IN CONFORMANCE WITH ALL CONDITIONS CAPTIONED PERMIT, AND THAT THE INFORMATION HEREIN IS ACCURATE AND COMPLETE KNOWLEDGE.

DRILLERS LIC. NO. 1 M S

Maryland Department of Health and Mental Hygiene

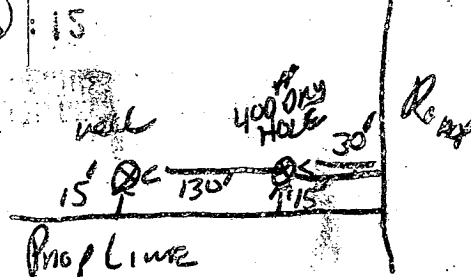
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 M SD-112

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

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

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



B 1 **8756** SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HD-94-1336
 fill in this form completely

Date Received (APA) **11/13/97** OWNER INFORMATION
HAMELTON E REED
 15 Last Name Owner First Name 34
10805 HICKORY RIDGE
 36 Street or RFD 55
COLUMBIA MD 20044
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
HOWARD
 8 COUNTY 21
WESTFRIENSHIRE EST.
 23 SUBDIVISION 42
 SECTION **2** LOT **84**
 44 46 48 50
WESTFRIENSHIRE
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **1** MI
 73 76 77 78

DRILLER INFORMATION CIRCLE: MSD/ MGD/ MWD
RAUL MAYNE 116
 Driller's Name 77 License No. 80
RAUL MAYNE WELL DRILLING
 Firm Name
9120 Brown Church rd Mt Airy
 Address
Raul Mayne MD 13155
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 NEAR WHAT ROAD **FOX VALLEY DR.**
 11 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH [] WEST [] EAST [] SOUTH []
 34 **30** 37
 DISTANCE FROM ROAD
 ENTER FT OR MI **FT**
 38 39
 TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**
 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD A-91805
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE _____ INSERT S _____
 DATE ISSUED **1/20/97** **1/20/98**
 43 48 CO SIGNATURE EXP. DATE
 NORTH GRID **527000** EAST GRID **805000**
 50 55 57 63

APPROXIMATE DEPTH OF WELL **150** FEET
 24 28

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
 other _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
9:00
8/18/98
 SOURCES OF DRILLING WATER
 1. well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **805**
 N **527**
 000 000
 location ok
 30' gravel
 20' open hole
 10 bags
 DRS

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) _____

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

 well 20'
 FOX VALLEY DR
 PEPPER KORN RD

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER _____
 54 63
 FORCE **GS** WRITE INITIALS IN BOX PERMIT No. **HD-94-1336**
 67 68 70 71 72 73 74 75 76 77 78 79

9-10-98

HAMILTON REED LLC.
10805 HICKORY RIDGE
COLUMBIA, MD 21044
410-740-2100 x306

TO: HOWARD CO. HEALTH DEPT.

I, STEPHEN FORNEY AM REQUESTING
THE HEALTH DEPARTMENT TO RELEASE
THE BUILDING PERMIT ON LOT 84
WEST FRIENDSHIP ESTATES, ALSO KNOWN
AS 3250 FOX VALLEY DRIVE, BUILDING
PERMIT # B00113350. THE WELL WHICH
WAS DRILLED WAS NOT DRILLED ON
LOT 84. I KNOW I MUST DRILL
ANOTHER WELL ON LOT 84 AND IT
MUST MEET THE HEALTH DEPT.
SPECS. THIS WILL BE DONE AS SOON
AS POSSIBLE. THE WELL WILL BE COMPLETED
BEFORE USE AND OCCUPANCY.

Stephen Forney, member
HAMILTON REED LLC.

9-8-98

REQUEST THAT BULLOGR

SUBMIT A REUSGO SITE PLAN

SHOWING EXLO LOCATED WELL & SEPTIC TANK

INSUFFICIENT INFORMATION TO

VERIFY THAT SEPTIC TANK IS PLACED

PROPERLY TO PROCEED WITH B.P.

(TANK MAY BE WELL WITHIN SOA)

I LEFT A MESSAGE FOR STEVE COURNEY

9-9-98 SITE INFO. W STEVE COURNEY

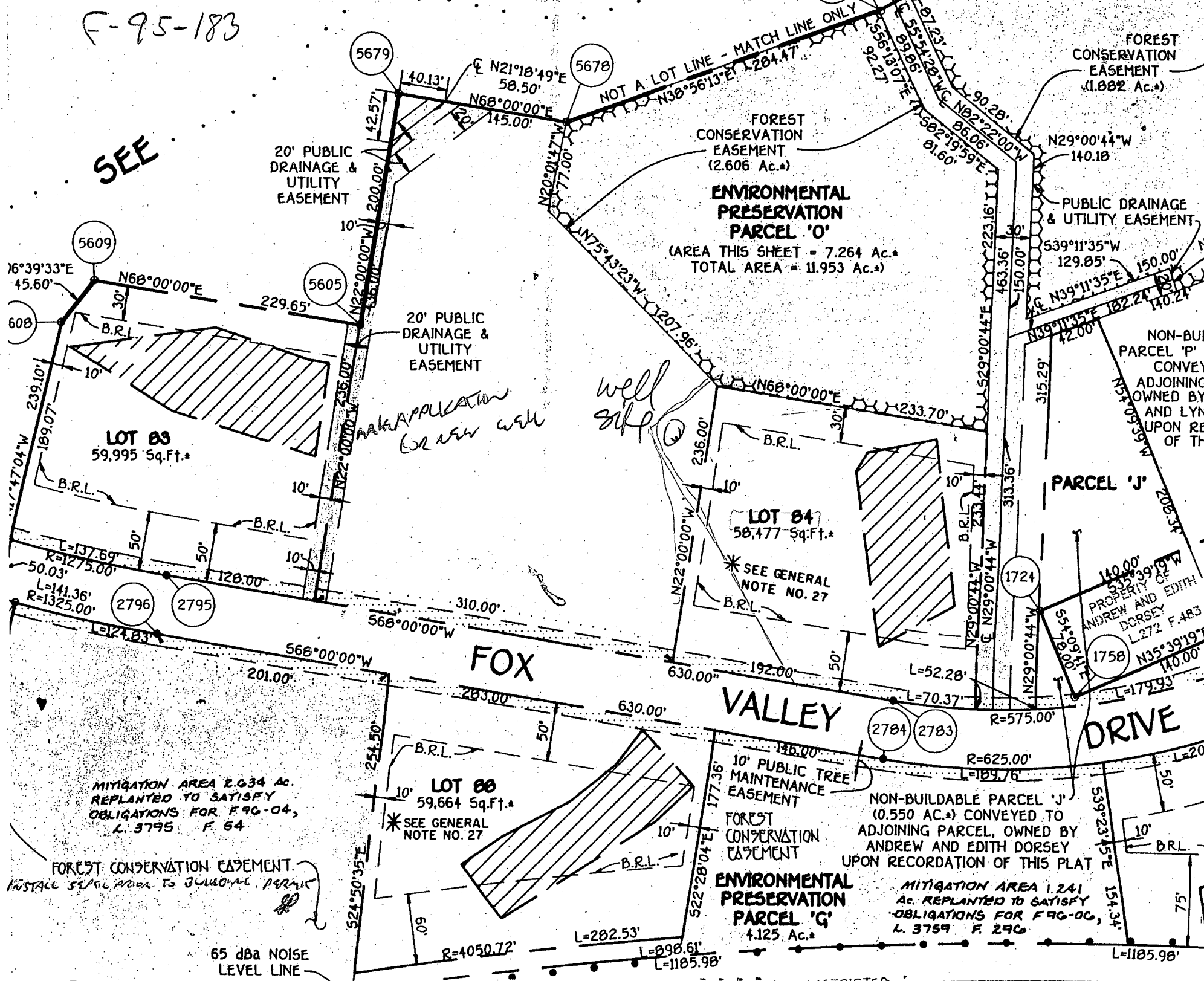
WELL LOCATION APPEARS TO BE OFF THE LOT ON PRES-PARCEL

STEVE WILL HAVE A LOCATION SURVEY DONE

HOLD B.P. UNTIL RESOLVED.

F-95-183

SEE



FOREST CONSERVATION EASEMENT:
* INSTALL SEPC. AREA TO JUMPING PERMIT

65 dBA NOISE LEVEL LINE

SEE GENERAL NOTE NO. 27

SEE GENERAL NOTE NO. 27

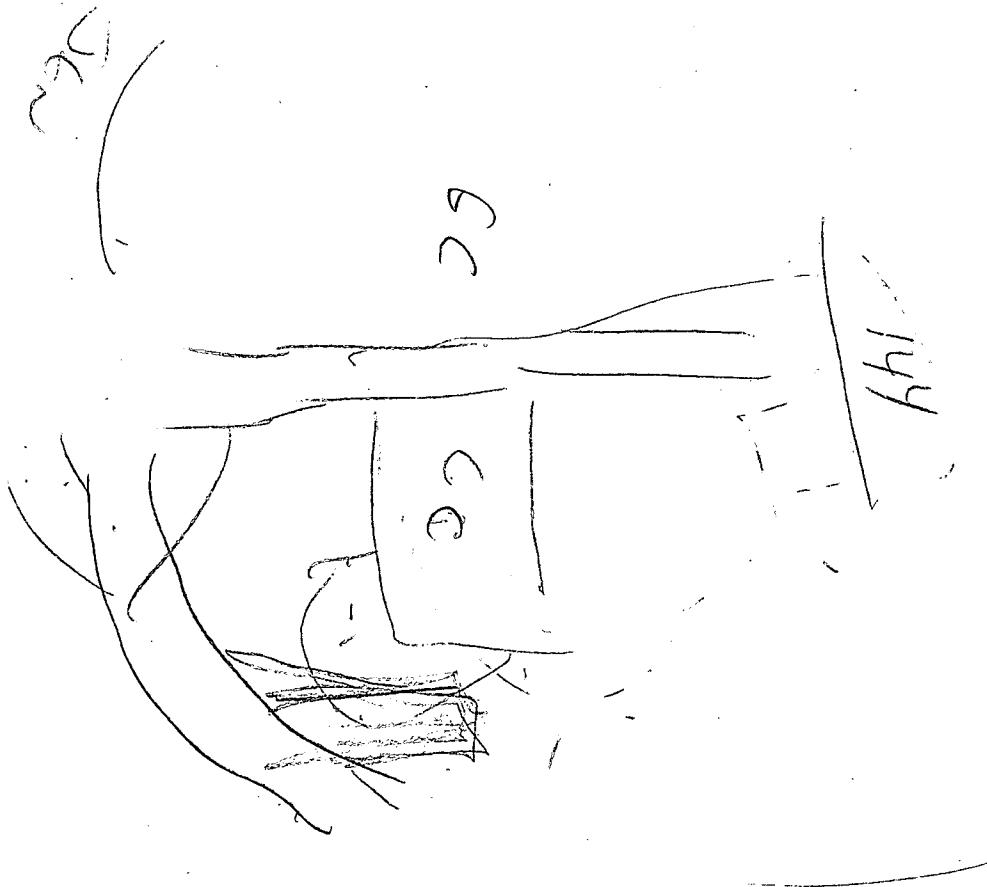
SEE GENERAL NOTE NO. 27

RECOMMEND

LETTER TO JOE RUTHER, DPH
W/ RESEARCH + OUTLINE PROPOSALS TO FOLLOW
GUIDING POLICY NOT FORMULATED
COUNTY COUNCIL ACTION

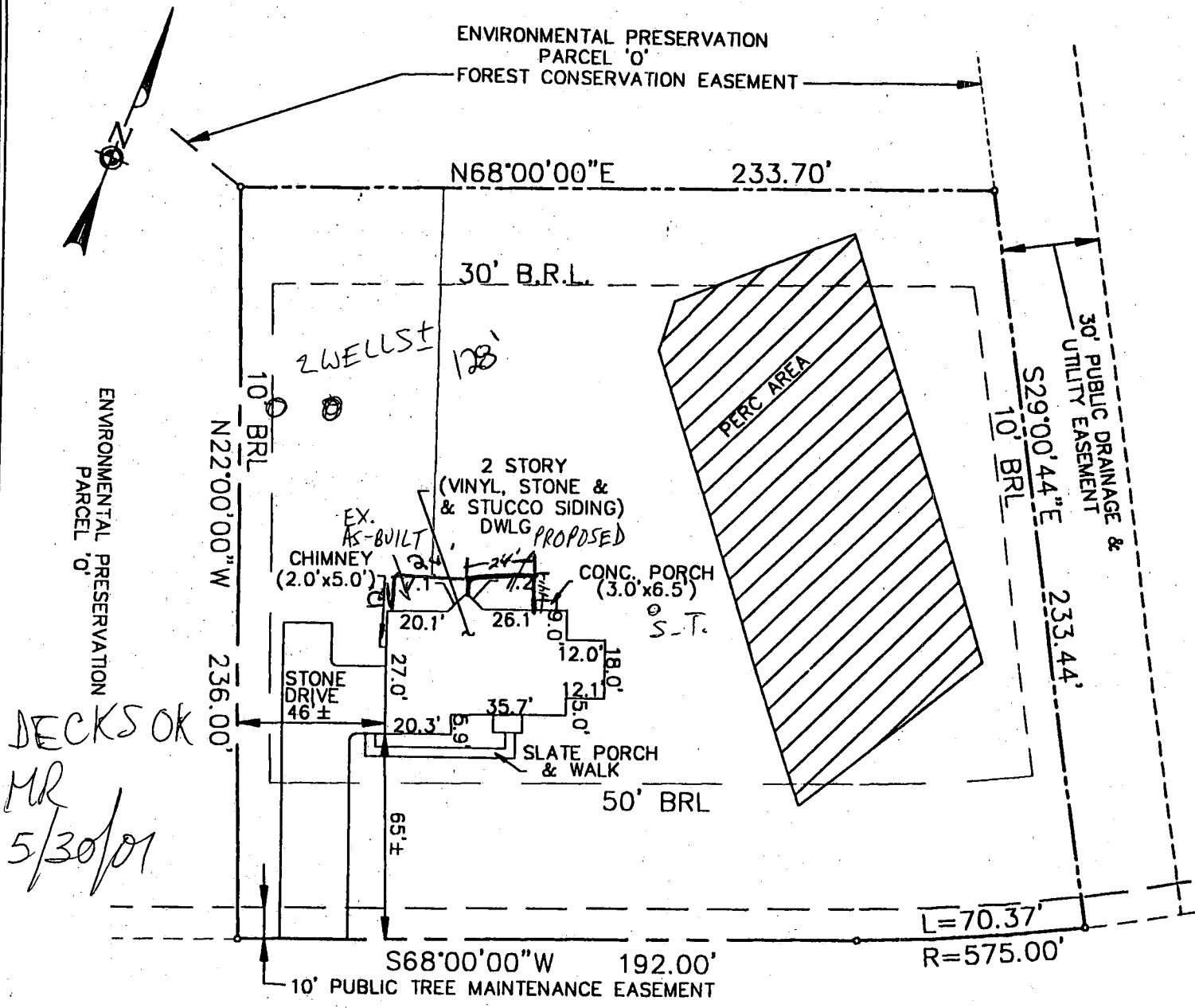
RE - RESTORATION OF PLAT + P&ES PARCELS

ALLOWANCE WOULD HAVE TO BE IN THE INTEREST
OF THE COUNTY - EXCHANGE OF PROPERTY IN EQUAL
AMOUNTS



GENERAL NOTES:

- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar as it is required by a LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440021 B, EFFECTIVE DATE: DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).



NOTE: SEPTIC SYSTEMS SHALL BE INSTALLED ON LOTS 84 & 88 PRIOR TO BUILDING PERMIT.

FOX VALLEY DRIVE
(50' R/W)

LOT 84
WEST FRIENDSHIP ESTATES
SECTION 2
LOTS 57 THRU 100 PARCELS 'E' THRU 'O'
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT REF.: #12452

3250 FOX VALLEY DRIVE
BRL = BUILDING RESTRICTION LINE
TOP FOUNDATION ELEV.= 599.2'±

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855



**HOUSE LOCATION
DRAWING**

FOUNDATION LOCATION: 9/22/98
FINAL LOCATION: 3/1/99
BOUNDARY SURVEY: _____

Mark L. Robel 3/2/99
PROFESSIONAL LAND SURVEYOR DATE
REG. # 339

SCALE: 1"=50'
DATE: 3/2/99
DRAWN BY: T.P.E.
CHECKED BY: M.L.R.
PROJECT No.: 61108

HOWARD COUNTY PERMIT APPLICATION

PERMIT NUMBER

B00130571

Building Address 3250 Fox Valley Dr
West Friendship MD 21794
 Suite/Apt. #: _____ SDP/WP/Petition #: _____
 Census Tract 6030 Subdivision West Friendship Est.
 Section 2 Area _____ Lot 84
 Tax Map 33 Parcel 556 Grid _____
 Zoning R-1-D Map Coordinates 957 Lot size _____

Property Owner's Name Glenn Robinson
 Address Same as Building
 City _____ State _____ Zip Code _____
 Home Phone 3018515950 Work Phone _____
 Applicant's Name & Mailing Address, (if other than stated hereon): _____
 Phone _____ Fax _____

Existing Use Existing house
 Proposed Use Build 14' x 24' deck
 Estimated Construction Cost \$ 10,000.00
 Description of Work Open porch covered
with roof with no
steps to the ground and a

Contractor Company OWN
 Contact Person _____
 Address _____
 City _____ State _____ Zip Code _____
 License No. _____
 Phone _____ Fax _____

Occupant or Tenant 24' x 12' deck as built
 Contact Name _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

Engineer or Architect Company _____
 Contact Person _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

BUILDING DESCRIPTION - COMMERCIAL

| Building Characteristics | Utilities |
|--|---|
| Height: _____ | Water Supply: _____ Public _____ Private _____ |
| No. of stories: _____ | Sewage Disposal: _____ Public _____ Private _____ |
| Gross area, sq. ft. per floor: _____ | Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Use group: _____ | Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/> |
| Construction type: _____ Reinforced Concrete _____ Structural Steel _____ Masonry _____ Wood Frame _____ | Sprinkler system: N/A <input type="checkbox"/> Full _____ Partial _____ Other Suppression _____ # of Heads _____ |
| State Certified Modular _____ | |

BUILDING DESCRIPTION - RESIDENTIAL

| Building Characteristics | Utilities |
|--|---|
| SF Dwelling <input type="checkbox"/> SF Townhouse <input checked="" type="checkbox"/> Depth _____ Width _____ 1st floor: _____ 2nd floor: _____ Basement: <u>32 x 68</u> Finished Basement <input type="checkbox"/> Unfinished Basement <input checked="" type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/> No. of Bedrooms <u>4</u> Multi-family dwellings: _____ No. of efficiency units: _____ No. of 1 BR units: _____ No. of 2 BR units: _____ No. of 3 BR units: _____ Other Structure: _____ Dimensions: _____ Footings: <u>376</u> Roof: _____ State Certified Modular _____ Manufactured Home _____ | Water Supply: _____ Public _____ Private <input checked="" type="checkbox"/> Sewage Disposal: _____ Public _____ Private <input checked="" type="checkbox"/> Electric Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Gas Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Heating System: _____ Electric <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/> Sprinkler system: N/A <input checked="" type="checkbox"/> NFPA #13D _____ NFPA #13R _____ Other: _____ |

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature _____
 Title/Company _____

Print Name Glenn Robinson
 Date 5/30/01

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
**** PLEASE WRITE NEATLY AND LEGIBLY. ****

FOR OFFICE USE ONLY

| AGENCY | DATE | SIGNATURE | APPROVAL |
|--|----------------|--------------------|-------------------|
| <input checked="" type="checkbox"/> Land Development DPZ | <u>5/30/01</u> | <u>[Signature]</u> | <u>[Initials]</u> |
| <input checked="" type="checkbox"/> State Highways | | | |
| <input checked="" type="checkbox"/> Building Official | <u>5/30/01</u> | <u>[Signature]</u> | <u>[Initials]</u> |
| <input checked="" type="checkbox"/> Dev. Engineering DPZ | | | |
| <input checked="" type="checkbox"/> Health | <u>5/30/01</u> | <u>Mark Rippen</u> | |
| <input checked="" type="checkbox"/> Fire Protection | | | |

Is Sediment Control approval required prior to issuance?
 YES NO

CONTINGENCY CONSTRUCTION START:
 ONE STOP SHOP:

DPZ SETBACK INFORMATION

Front: 30 ft
 Rear: 10 ft
 Side: 10 ft
 Side St.: _____
 All minimum setbacks met? YES NO
 Is Entrance Permit required? YES NO
 Historic District? YES NO
 Lot Coverage for New Town Zone _____
 SDP/Red-line approval date _____

PROPERTY ID#: 37016

| | |
|------------------|----------------|
| Filing fee | \$ _____ |
| Permit fee | \$ <u>40</u> |
| Excise tax | \$ _____ |
| Sub-total paid | \$ _____ |
| Add'l permit fee | \$ _____ |
| TOTAL FEES | \$ <u>40</u> |
| Balance due | \$ _____ |
| Check Validation | # <u>35988</u> |

Accepted by [Signature]