

6/24/99  
Lute  
6/25/99  
9:30-10

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 511923

A 58028-K

DISTRICT \_\_\_\_\_

DATE 6/2/99

DATE SYSTEM APPROVED 6/25/99

INSPECTOR S.R.K.

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXXXX~~ 410-313-2640

# 326896

## INDEXED

Covey Construction Co., Inc. IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS P.O. Box 254 Woodstock, MD 21163 PHONE (410) 750-0398

SUBDIVISION Benson Branch Overlook LOT 16 ROAD 13101 Cox Court

PROPERTY OWNER Hamilton Reed / Ron Nelson

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS top seamed tank

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 65 feet from rear (261.27') lot line and 95 feet from left (140.71') lot line as viewed from Cox Court. Install trenches on contour in both directions from distribution box.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 3/25/99 JS

PLANS APPROVED BY Ronald J. Pinkley/Amy McMillen DATE 3-11-99

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 **NO DG. PERMIT SIGNATURE**

PERMIT VOID AFTER TWO YEARS

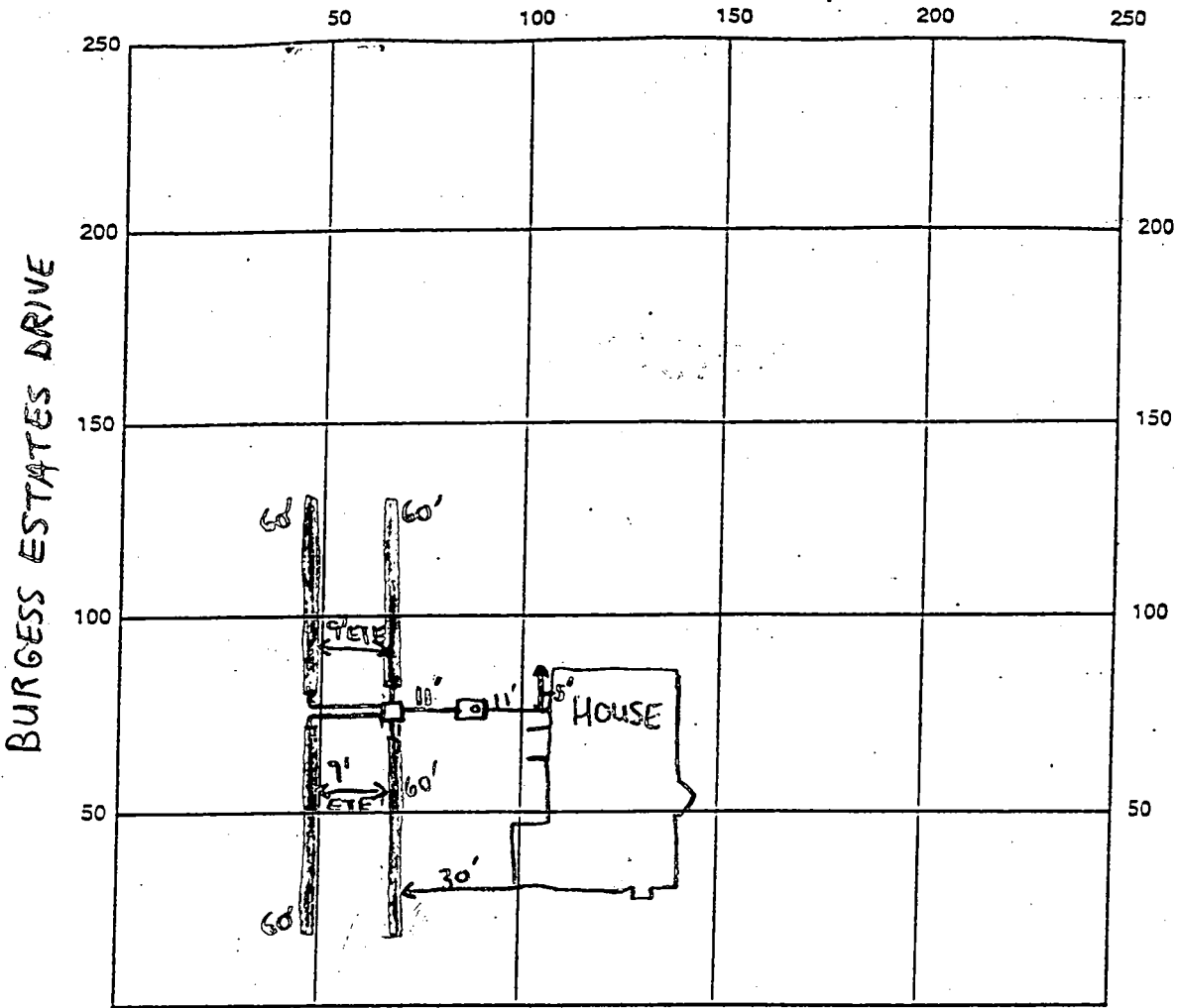
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**AND RETURNED 9-22-99**  
Serial # 211121570  
Signature

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

58028-K



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
COX COURT

SEPTIC TANK LEVEL  1250 gallon top seam CLEANOUTS 1-6" @ Tank

DISTRIBUTION BOX LEVEL

DRAIN FIELD/TILE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 6/24/99 - OK TO CONTINUE WORK (SRK) 6/25/99 - OK TO COVER ALL WORK; HOLE AROUND HOUSE CONNECTION NEEDS MORTAR SEPTIC CONTRACTOR NOTIFIED BUILDER AND WILL NOT COVER (SRK)

DATE SYSTEM APPROVED 6/25/99 INSPECTOR Steven R. King

3/11/97  
Hru 4/16/97

# APPLICATION

PERCOLATION TESTING

A 58028

P \_\_\_\_\_

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

3/12/97  
pre-view OK  
HLM

DISTRICT \_\_\_\_\_

DATE 3/17/97

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 ~~Oscar Shultz~~ C/O LADA Hamilton REED

ADDRESS 6805 Hickory Ridge Dr Suite 215 Col. MD 21044  
PHONE 740-2100-3

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

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

PROPERTY LOCATION:

SUBDIVISION Burgess Benson Ranch Overlook LOT NO. 15

ROAD AND DESCRIPTION Tridelphia (3415 Burgess Estate Drive)  
(13101 Cox Court)

TAX MAP 22 PARCEL # 10

SIZE OF LOT 1 acre TYPE BLDG. Single - 5 Bed  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED  
AND RETURNED 3/17/97  
Michael Reed

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 \_\_\_\_\_

BLDG. PERMIT SIGNED  
AND RETURNED 3-17-97  
Michael Reed  
SFD - 4 Bed

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

COUNTY #

SOIL PROFILE

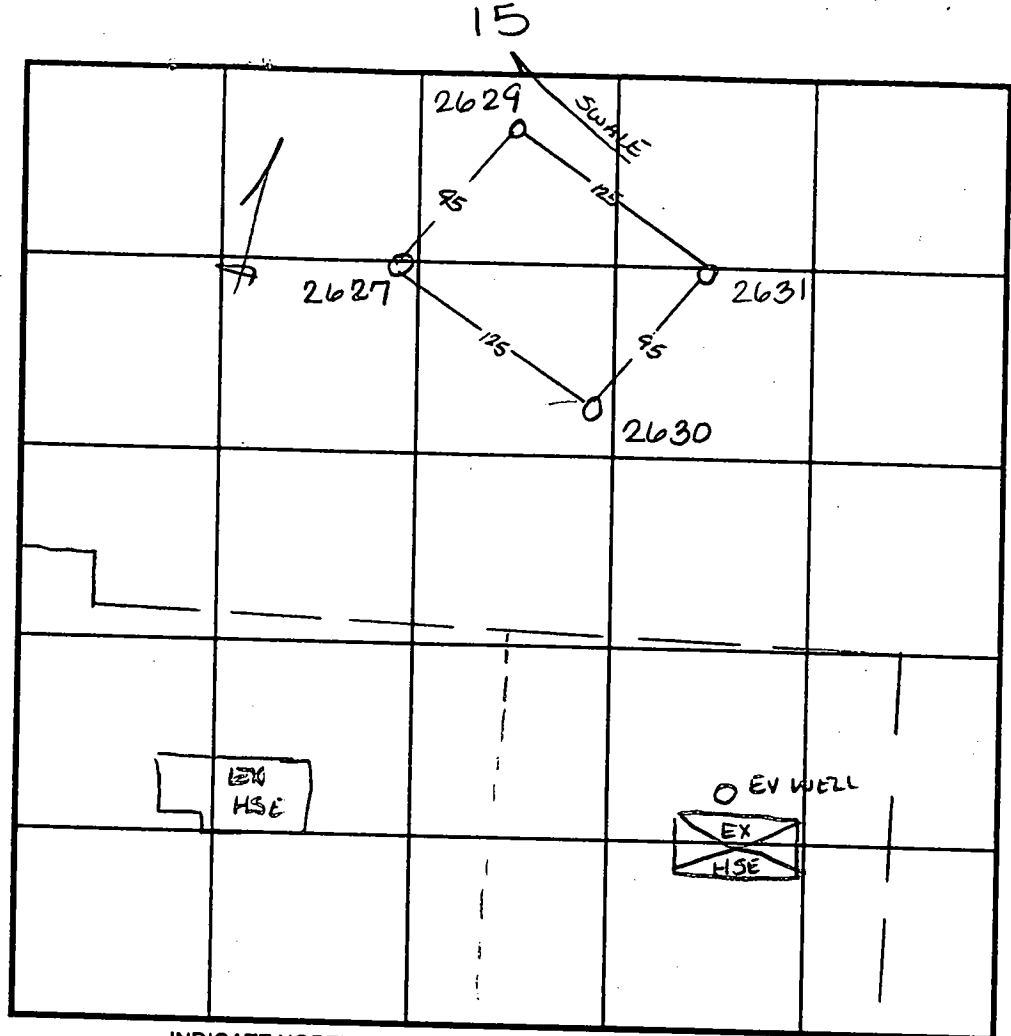
0' 2627  
 beigh brown  
 SiClm  
 3.0  
 beigh  
 SiSaLm  
 8.0  
 lgt  
 pink  
 to  
 beigh  
 SaLm  
 micaceous  
 10%  
 Rx

2630

lgt  
 orange  
 brown  
 SiClm  
 4.0  
 red  
 beigh  
 SiLm  
 9.0  
 dark  
 red to  
 pink  
 SiSaLm  
 micaceous

11.0 2631 2629

red  
 brown  
 SiClm  
 3.0  
 orange  
 brown  
 SiSaLm  
 micaceous  
 9.0  
 lgt  
 tan  
 to  
 brown  
 SiSaLm  
 11.5



SOIL PROFILE

0'

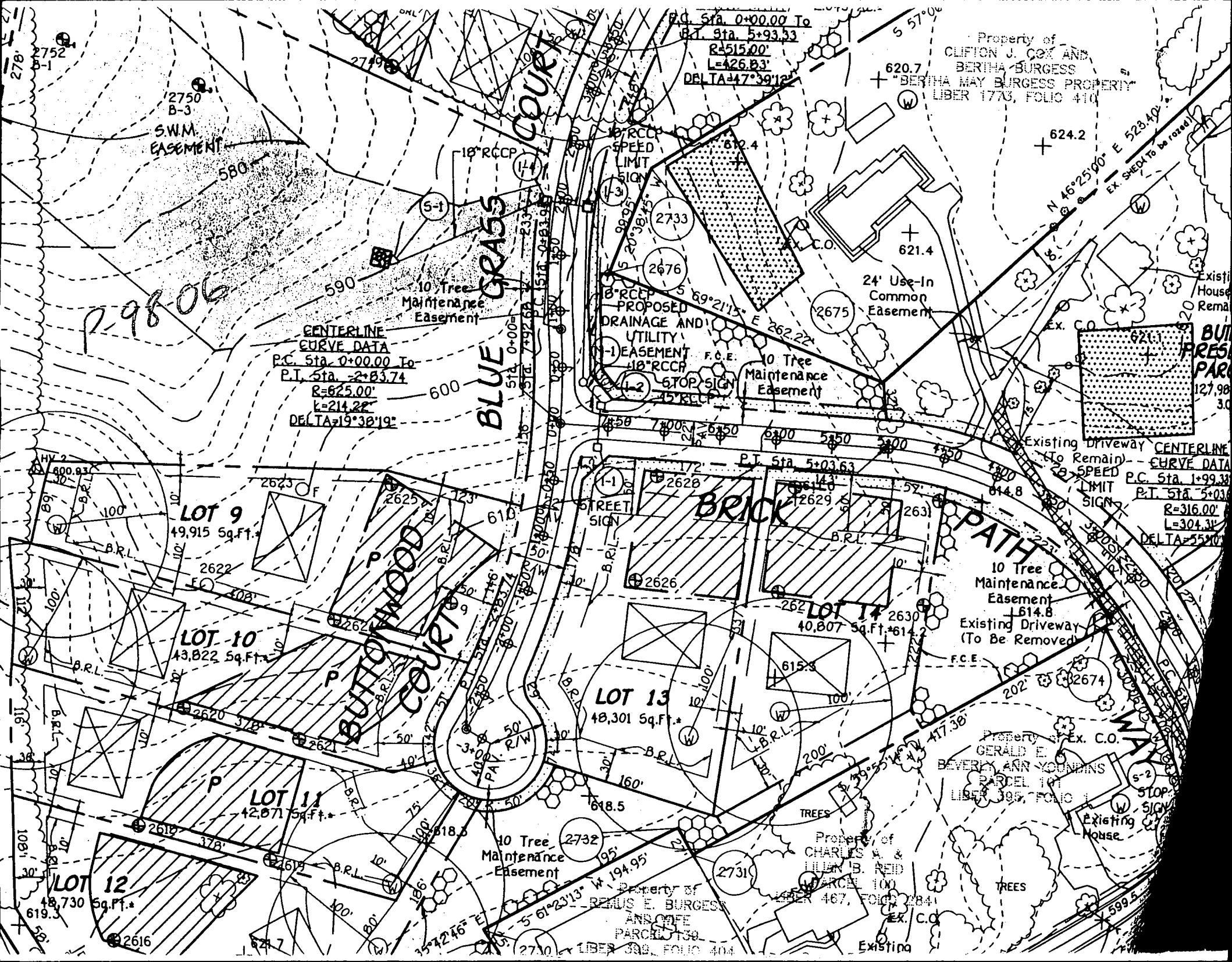
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

TRIADOLPHIA RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-14-97	2627	4.0 V12.0	12:36 <sup>30</sup>	12:37 <sup>30</sup>	12:37 <sup>30</sup>	12:41	3 1/2 min
	2629	3.5 V12.0	12:15	12:17 <sup>15</sup>	12:17 <sup>15</sup>	12:21	3 3/4 min
		8.5 V12.0	12:43	12:45	12:45	12:47	2 min
	2630	4.0 V11.0	11:31	11:32	11:32	11:36	4 min
	2631	3.5 V11.5	11:29	11:30 <sup>30</sup>	11:30 <sup>30</sup>	11:35	4 1/2 min

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Amy McMullen ALSO PRESENT Mike Johnson  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_





P. 98-06

CENTERLINE  
CURVE DATA  
P.C. Sta. 0+00.00 To  
P.T. Sta. 2+83.74  
R=625.00'  
L=214.28'  
DELTA=19°30'19"

P.C. Sta. 0+00.00 To  
P.T. Sta. 5+93.33  
R=515.00'  
L=426.83'  
DELTA=47°39'12"

Property of  
CLIFTON J. COY AND  
BERTHA BURGESS  
"BERTHA MAY BURGESS PROPERTY"  
LIBER 1773, FOLIO 410

LOT 9  
49,915 Sq.Ft.

LOT 10  
43,822 Sq.Ft.

LOT 11  
42,871 Sq.Ft.

LOT 12  
48,730 Sq.Ft.

LOT 13  
48,301 Sq.Ft.

LOT 14  
40,807 Sq.Ft.

CENTERLINE  
CURVE DATA  
P.C. Sta. 1+99.31  
P.T. Sta. 5+03.63  
R=316.00'  
L=304.31'  
DELTA=25°20'

Property of Ex. C.O.  
GERALD E.  
BEVERLY ANN YOUNGINS  
PARCEL 100  
LIBER 399, FOLIO 1

Property of  
CHARLES A. &  
LILIAN B. REID  
PARCEL 100  
LIBER 467, FOLIO 284  
Ex. C.O.

Property of  
RENIS E. BURGESS  
AND JOE  
PARCEL 139  
LIBER 399, FOLIO 404

BLUE GRASS COURT

BUTTONWOOD COURT

BRICK PATH

BRICK PATH

S.W.M. EASEMENT

10' Tree Maintenance Easement

PROPOSED DRAINAGE AND UTILITY EASEMENT

24' Use-In Common Easement

10 Tree Maintenance Easement

10 Tree Maintenance Easement

Existing House

EXISTING DRIVEWAY (TO REMAIN)

Existing Driveway (To Be Removed)

Existing

Existing House

Rema

BUY PRES PARC 127,98 30

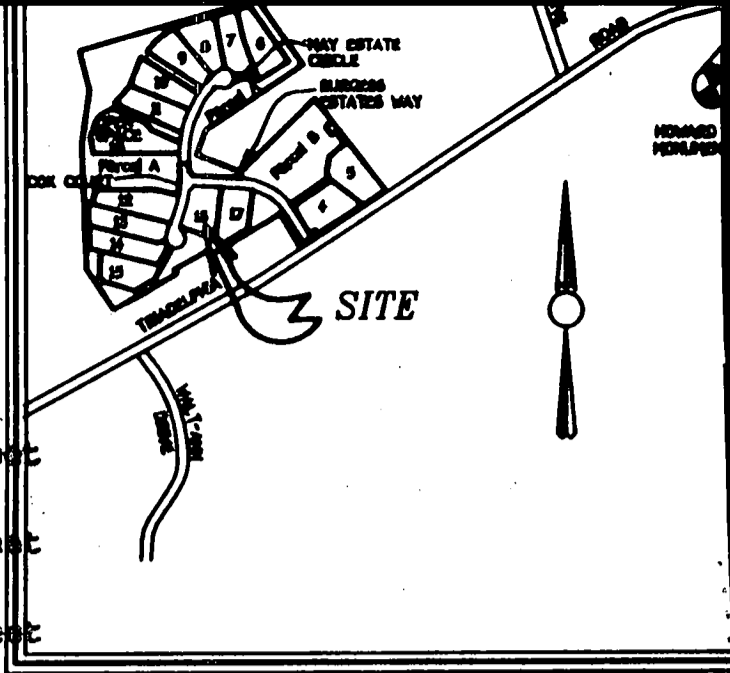
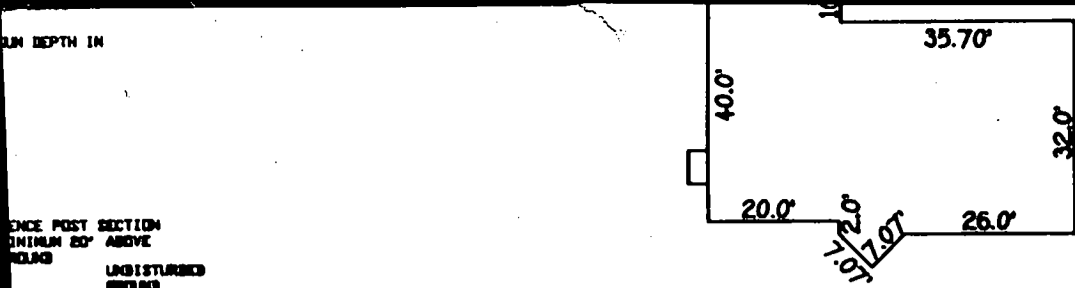
EXISTING DRIVEWAY (TO REMAIN)

EXISTING DRIVEWAY (TO BE REMOVED)

Existing House

EXISTING DRIVEWAY (TO BE REMOVED)

EXISTING



**VICINITY MAP**  
SCALE: 1"=200'

**FOOTPRINT**  
SCALE: 1"=30'

Total linear feet of trench required 240 feet  
 Width of trench(es) 3 feet  
 Depth of trench(es) 5 feet

Depth of stone required below distribution pipe 2 feet

**GENERAL NOTES**

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 619.80  
 B. BASEMENT ELEVATION: 610.80  
 C. INVERT OF SEPTIC SYSTEM AT HOUSE: 612.00  
 D. INVERT IN AT SEPTIC TANK: 611.50  
 E. INVERT OUT AT SEPTIC TANK: 611.20  
 F. PROPOSED GRADE OVER SEPTIC TANK: 614.00  
 G. INVERT AT DISTRIBUTION BOX: 614.00 610.00  
 H. EXISTING GROUND OVER DISTRIBUTION BOX: 614.05 613.00
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
6. THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

**\*REVISED**

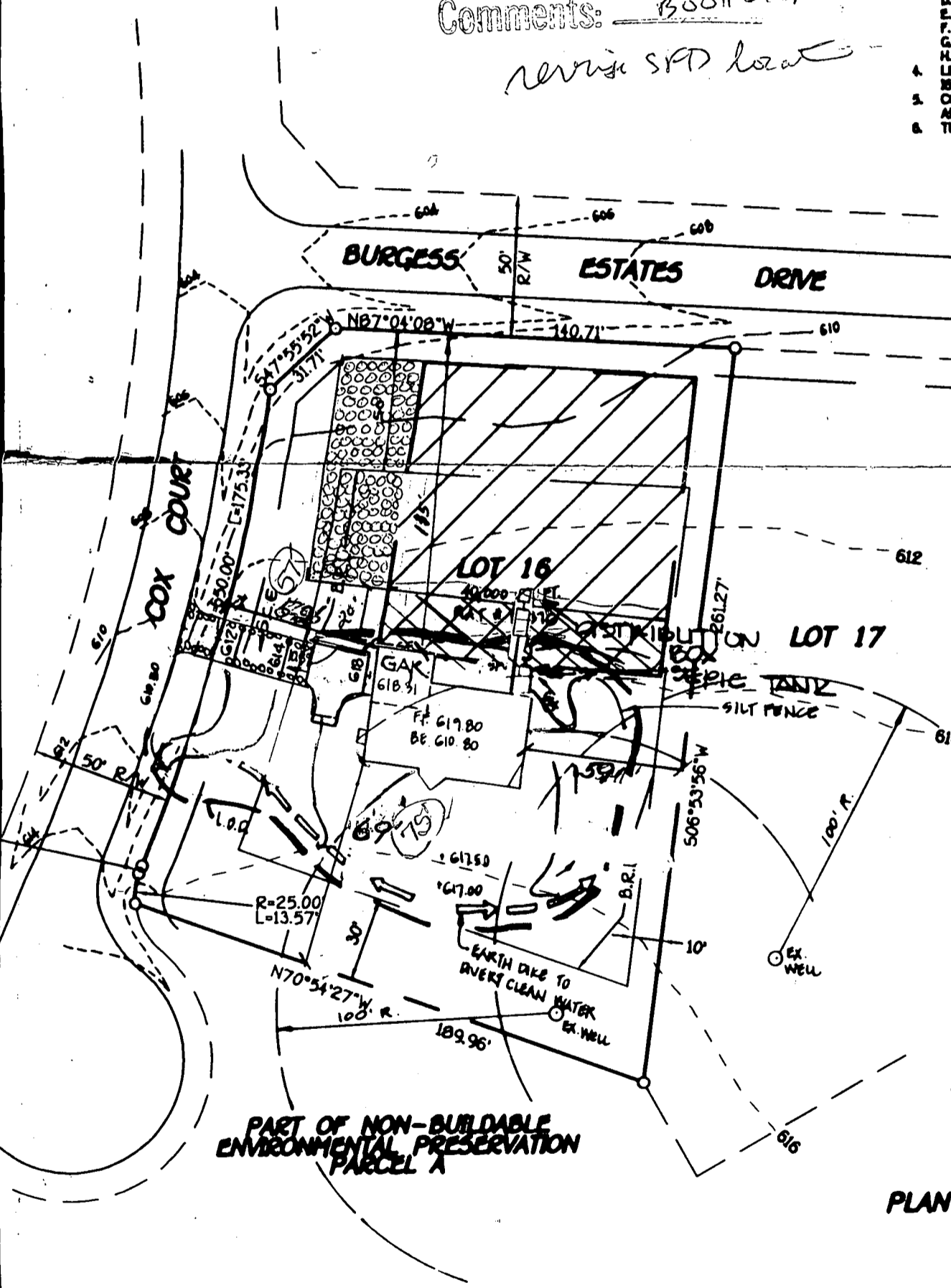
Approved Septic System Plan  
 Howard County Health Department

*Jenna K...*  
*6/22/99*  
 Date

**REVISED**

Date: 6-11-99  
13101 WFO  
 Comments: B00116494

*revise SPD locat*



NEW / ADDED  
 25' x 80'  
 OLD / REMOVED  
 20' x 100'

*Revised 4-1-99  
 By S.F. Foney*

*6/22/99 Revised house and septic locations OR as shown - OR to proceed w/ BP and septic system installation.*

*G.P. 99 143*

**PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT**

**LOT 16**

**BENSON BRANCH OVERLOOK**

**LOTS 4 THRU 10 AND PARCELS A AND B**

(A RESUBDIVISION OF LOTS 1, 2 AND 3, BENSON BRANCH OVERLOOK, PLAT Nos. 13087 Thru 13089 ZONED: RR-DEO

TAX MAP No. 22 PARCEL No. 10 GRID No. 9

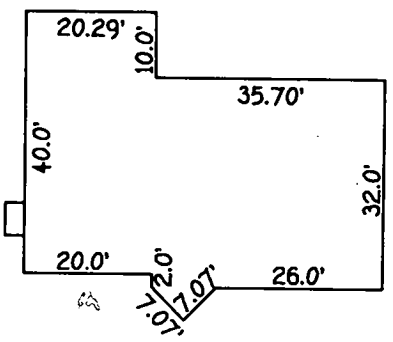
THIRD ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

DATE: FEBRUARY, 1999

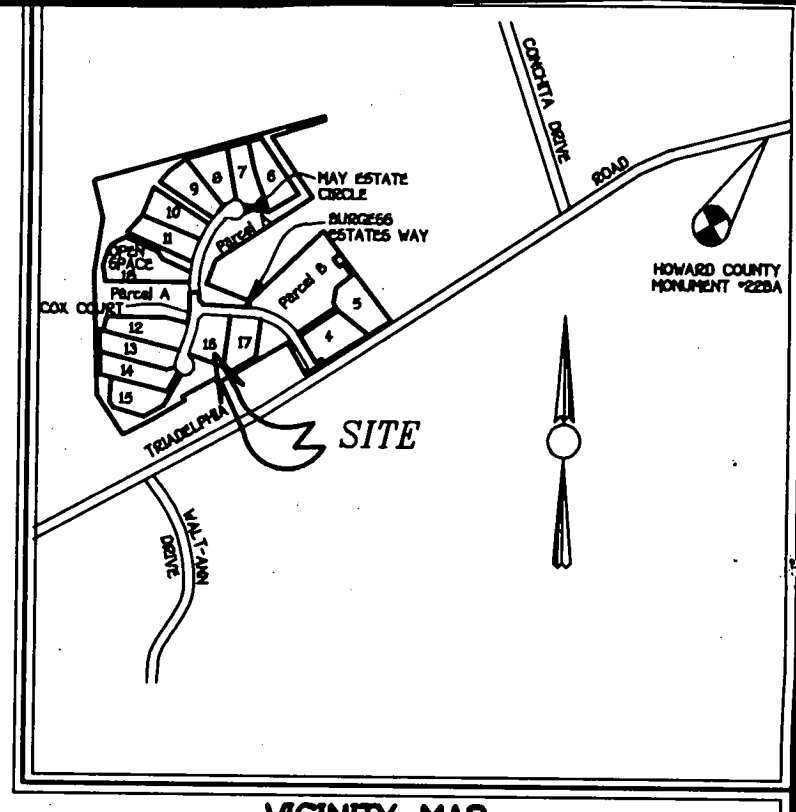
**PLAN**  
SCALE: 1"=50'

WITH FENCE POST,  
 OF 16' INTO  
 MINIMUM HEIGHT OF  
 CLASS F  
 MINIMUM DEPTH IN  
 UNDISTURBED  
 GROUND  
 FENCE POST SECTION  
 MINIMUM 20' ABOVE  
 GROUND  
 UNDISTURBED  
 GROUND  
 FENCE POST DRIVEN A  
 MINIMUM OF 16' INTO  
 GROUND  
 ON  
 STANDARD SYMBOL  
 SF  
 Run into the  
 or 1 3/4" diameter  
 posts will be  
 linear foot  
 with wire ties  
 requirements  
 MSMT 509  
 MSMT 509  
 MSMT 322  
 MSMT 322  
 over lapped,  
 maintained when  
 fabric height.



**FOOTPRINT**  
SCALE: 1"=30'

Total linear foot of trench  
 required 240 feet  
 Width of trench(es) 3.0 feet  
 Depth of trench(es) 5.0 feet  
 Depth of stone required below  
 distribution pipe 2.0 feet



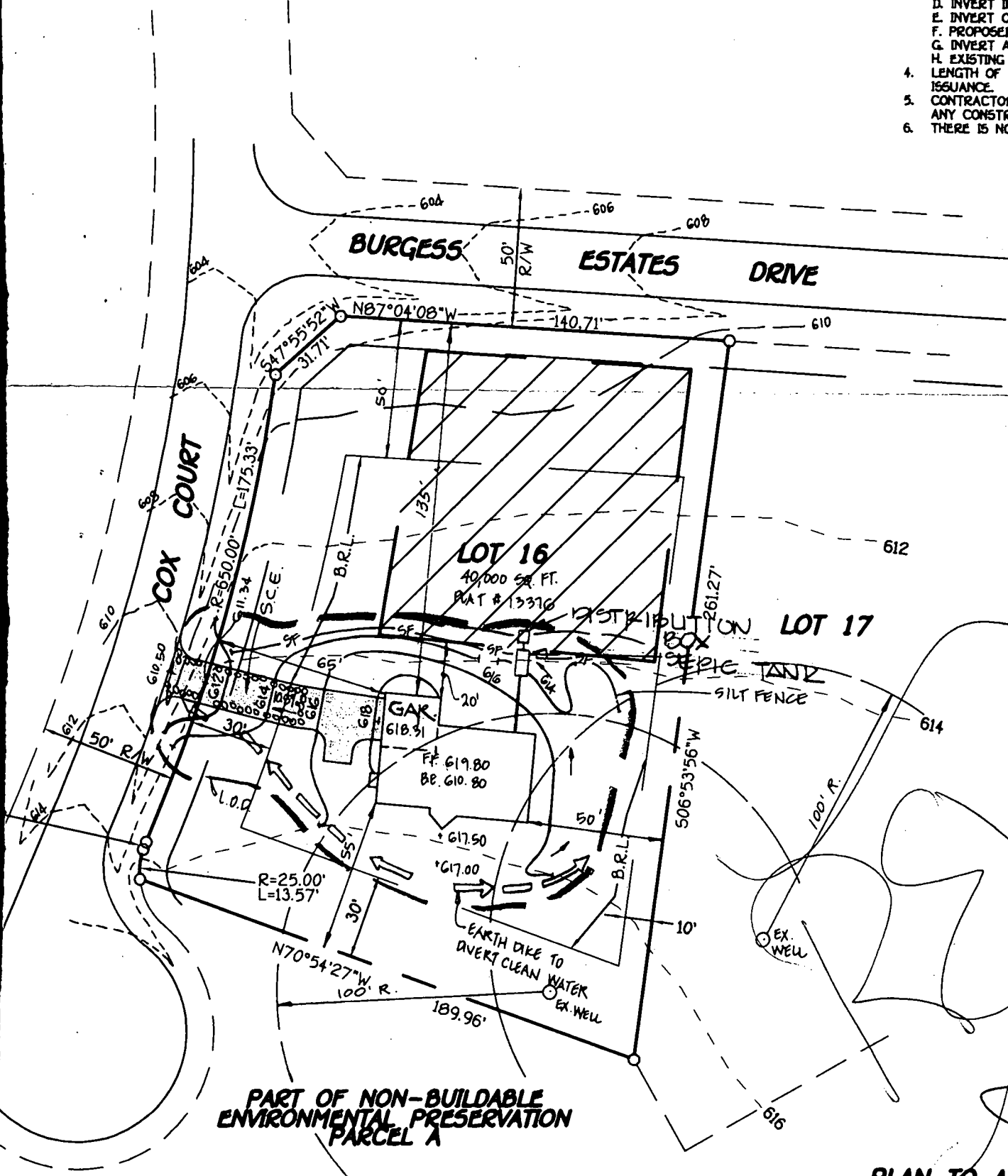
**VICINITY MAP**  
SCALE: 1"=200'

**GENERAL NOTES**

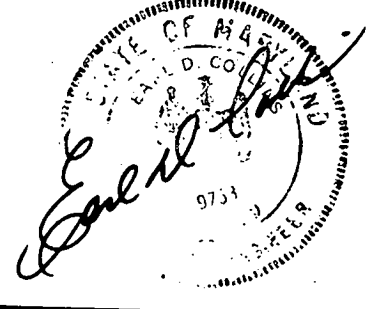
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
- PROPOSED 1500 GALLON SEPTIC TANK.
- A. FIRST FLOOR ELEVATION: 619.80  
 B. BASEMENT ELEVATION: 610.80  
 C. INVERT OF SEPTIC SYSTEM AT HOUSE: 612.00  
 D. INVERT IN AT SEPTIC TANK: 611.90  
 E. INVERT OUT AT SEPTIC TANK: 611.20  
 F. PROPOSED GRADE OVER SEPTIC TANK: 614.00  
 G. INVERT AT DISTRIBUTION BOX: 611.00  
 H. EXISTING GROUND OVER DISTRIBUTION BOX: 614.00
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

Approved Septic System Plan  
 Howard County Health Department

*Ann McNeil* 3/11/99  
 Signature Date



**PLAN**  
SCALE: 1"=50'



GP 99-143  
**PLAN TO ACCOMPANY APPLICATION  
 FOR BUILDING PERMIT  
 LOT 16  
 BENSON BRANCH OVERLOOK  
 LOTS 4 THRU 18 AND PARCELS A AND B**  
 (A RESUBDIVISION OF LOTS 1, 2 AND 3,  
 BENSON BRANCH OVERLOOK,  
 PLAT Nos. 13087 Thru 13089  
 ZONED: RR-DEO  
 TAX MAP No. 22 PARCEL No. 10 GRID No. 9  
 THIRD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 DATE: FEBRUARY, 1999

**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: *[Signature]* DATE: 2/17/99

**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 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: *[Signature]* DATE: 2/16/99

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

Signature: *[Signature]* DATE: 3/4/99  
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE

APPROVED: *[Signature]* DATE: 3/4/99  
HOWARD SOIL CONSERVATION DISTRICT

**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 (32 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 ENHANCED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1986 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 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 (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 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 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 (90 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 ENHANCED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

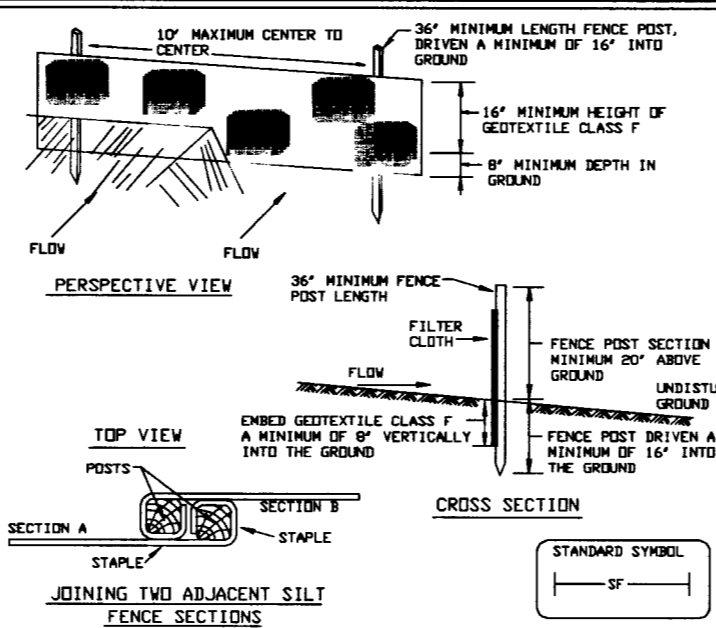
**MAINTENANCE:**  
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

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

**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 COMMANDED 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.

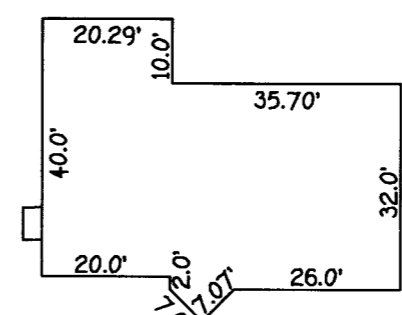
TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-6 TONS/ACRES 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.

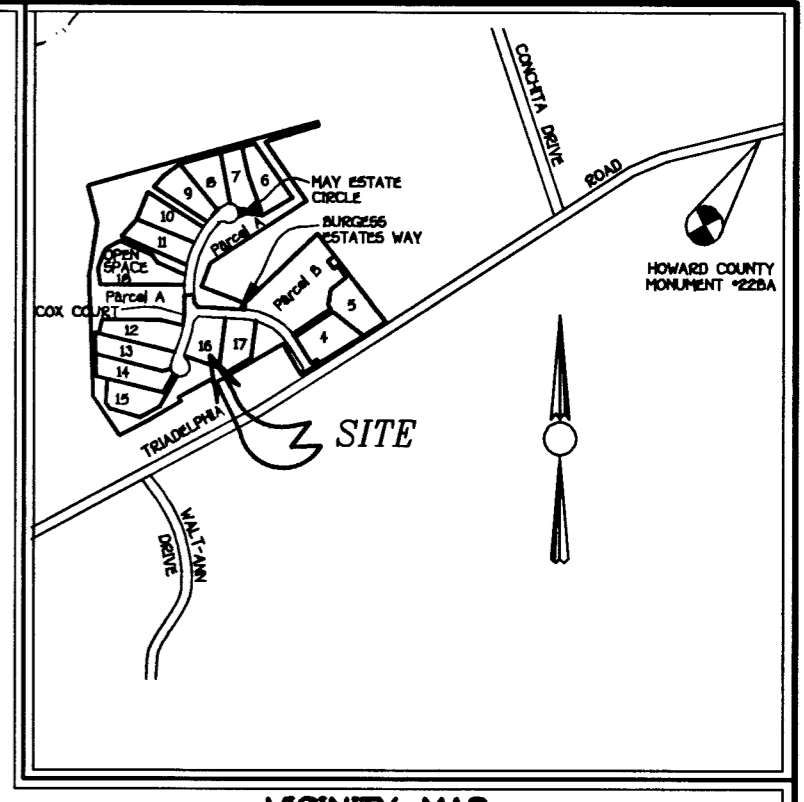


- Construction Specifications**
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not 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     | 50 lbs/in (min.)                       | Test MSNT 509 |
| Tensile Modulus      | 20 lbs/in (min.)                       | Test MSNT 509 |
| Flow Rate            | 0.3 gal ft <sup>2</sup> /minute (max.) | Test MSNT 322 |
| Filtering Efficiency | 75% (min.)                             | Test MSNT 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 50% of the fabric height.

**SILT FENCE**  
NOT TO SCALE



**FOOTPRINT**  
SCALE: 1\"/>



**VICINITY MAP**  
SCALE: 1\"/>

**GENERAL NOTES**

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
- PROPOSED 1500 GALLON SEPTIC TANK.
- A. FIRST FLOOR ELEVATION: 619.80  
B. BASEMENT ELEVATION: 610.00  
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 612.00  
D. INVERT IN AT SEPTIC TANK: 611.90  
E. INVERT OUT AT SEPTIC TANK: 611.20  
F. PROPOSED GRADE OVER SEPTIC TANK: 614.00  
G. INVERT AT DISTRIBUTION BOX: 611.00  
H. EXISTING GROUND OVER DISTRIBUTION BOX: 614.00  
I. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

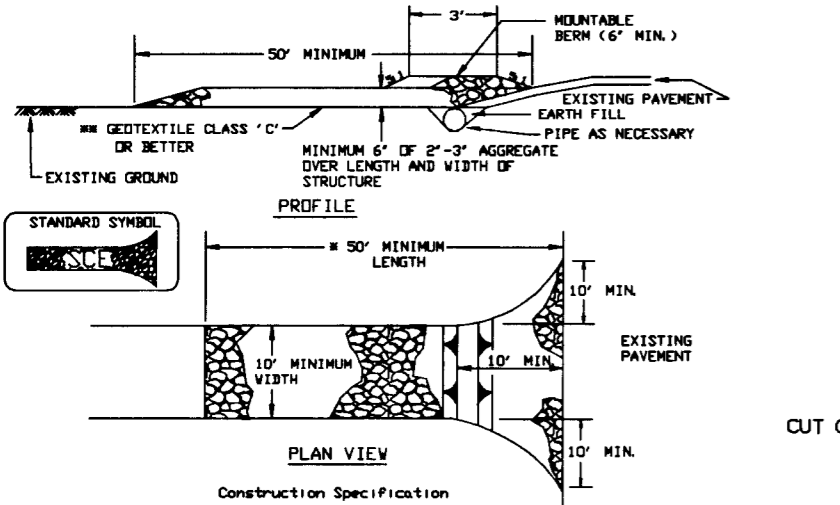
**SEDIMENT CONTROL NOTES**

- 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 (313-1955).
- 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 THERE TO.
- 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, DICES, PERMETER 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. 53), SOO (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). AUTHORIZED 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	0.94 ACRES
AREA DISTURBED	0.72 ACRES
AREA TO BE ROOFED OR PAVED	0.04 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.18 ACRES
TOTAL CUT	300 CU.YDS.
TOTAL FILL	300 CU.YDS.

 OFFSITE WASTE/BORROW AREA LOCATION:
 

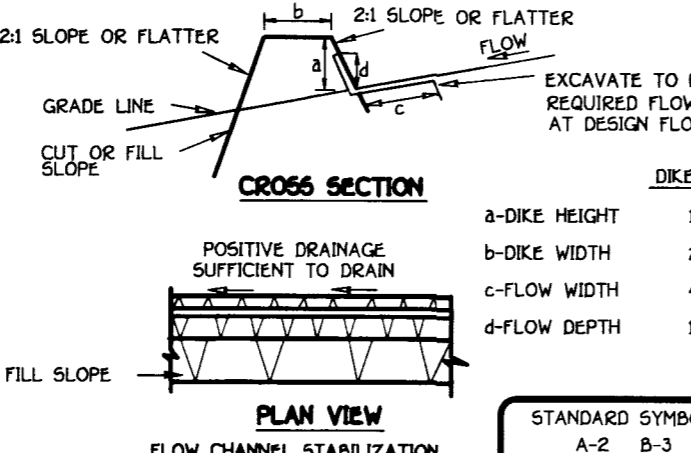
ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
--
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS 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 INSPECTION 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.



- Length - minimum of 50' (±30' for single residence lot).
- 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. 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 nountable berm with 5:1 slopes 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

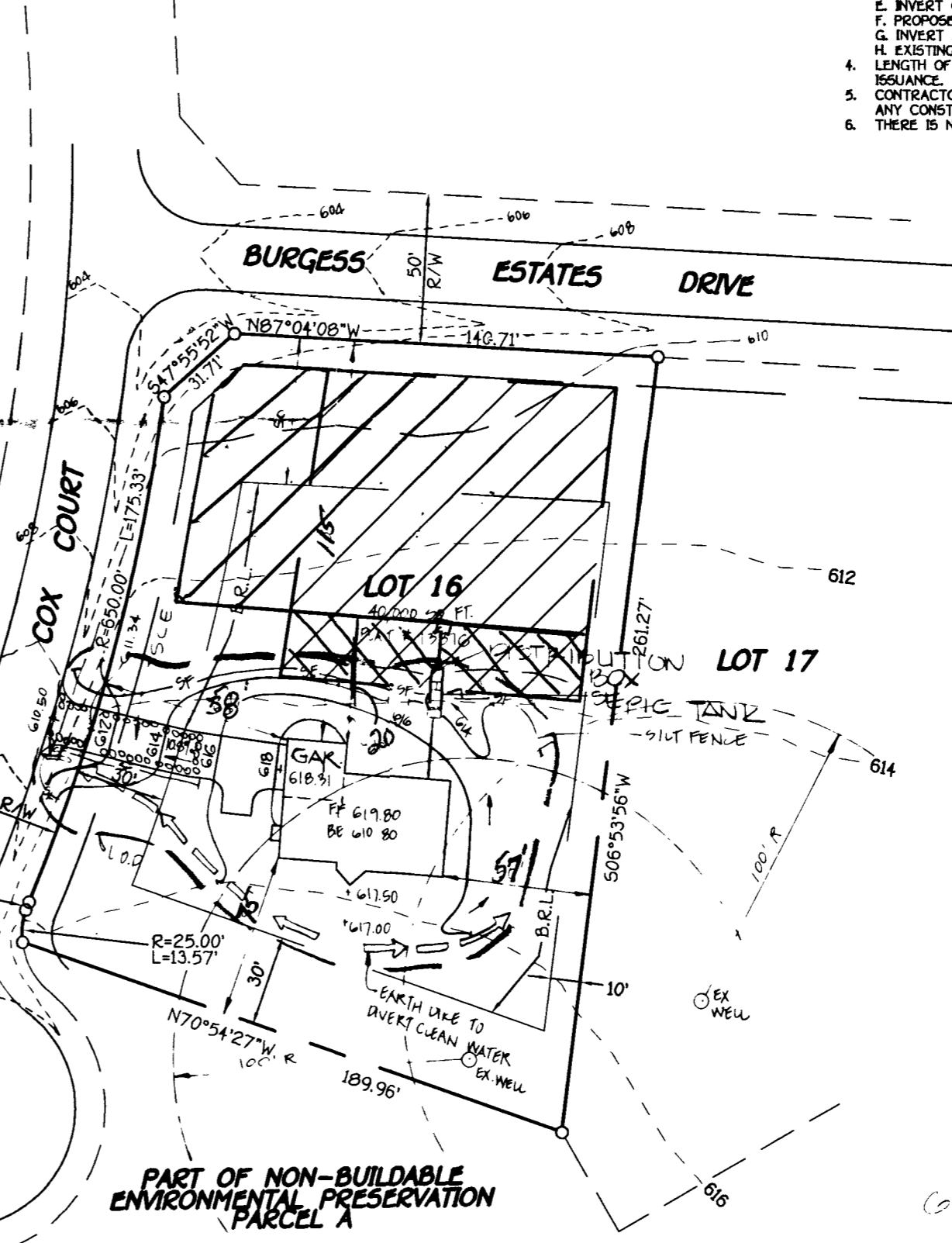
**EARTH DIKE**  
NOT TO SCALE



- Seed and cover with straw mulch.
- Seed and cover with Erosion Control Matting or line with sod.
- 4" - 7" stone or recycled concrete equivalent pressed into the soil 7" minimum.

**Construction Specifications**

- All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.
- 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-erosive velocity.
- All trees, brush, stumps, 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 bank projections or other irregularities which will impede normal flow.
- Fill shall be compacted 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.



**PART OF NON-BUILDABLE ENVIRONMENTAL PRESERVATION PARCEL A**

**PLAN**  
SCALE: 1\"/>

*[Signature]*

NEW ADD  
OLD DELETE

G.P. 79 143

**PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT**

**LOT 16**  
**BENSON BRANCH OVERLOOK**  
LOTS 4 THRU 18 AND PARCELS A AND B

(A RESUBDIVISION OF LOTS 1, 2 AND 3,  
BENSON BRANCH OVERLOOK,  
PLAT Nos. 13087 Thru 13089  
ZONED: RR-DEO  
TAX MAP No. 22 PARCEL No. 10 GRID No. 9  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
DATE: FEBRUARY, 1999

C 1 04044 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A58028K

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY 01 22 99

Depth of Well 22 185 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-94-1738

OWNER Hamilton Reed last name first name STREET OR RFD Brick Path Way TOWN Glenelg SUBDIVISION Benson Branch Overlook SECTION LOT 16

WELL LOG Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Sandy, Sand Stone MICKA, Sand Stone MICKA.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 14 NO. OF POUNDS 1400 GALLONS OF WATER 8.4 DEPTH OF GROUT SEAL 30+

CASING RECORD casing types insert appropriate code below (S) (T) (C) (O) (P) (L) (O) (T) MAIN CASING TYPE PL Nominal diameter 6 Total depth 56

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

SCREEN RECORD screen type or open hole (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) (S) (T) (H) (O)

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N)

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

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MS D 116 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 MS D 117

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

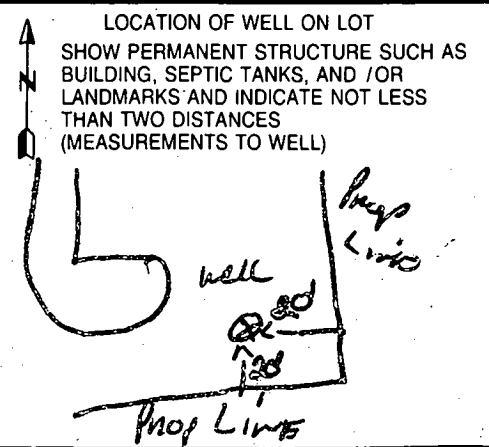
DEPTH (nearest ft.) Table with columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51. Values: 110, 54, 185.

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 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 12 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 39 WHEN PUMPING 25 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP (YES or NO) 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 2 (nearest foot) - below 50 51



B 1	<b>4779</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <b>HD-44-1736</b> <small>70 fill in this form completely 79</small>
-----	-------------	--------------------------------	---	---

**OWNER INFORMATION**

Date Received (APA) **08 21 98**

8 MM 00 YY 13

**Hamelton Reed**  
15 Last Name Owner First Name 34

**10805 Hickory Ridge**  
36 Street or RFD 55

**Columbia MD 21044**  
57 Town 70 State 72 Zip 76

**LOCATION OF WELL**

B 3 **Howard**

8 COUNTY 21

**Benson Branch Overlook**  
23 SUBDIVISION 42

SECTION      LOT 16  
44 46 48 50

**GLEMELG**  
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 M I  
73 76 77 78

**DRILLER INFORMATION**

**Ralph MAYNE** MS D 116  
Driller's Name 76 License No. 81

**Ralph MAYNE well Drilling**  
Firm Name

**9120 Brown Church Rd Mt Airy**  
Address

**Ralph Mayne 8-20-98**  
Signature Date

**BLUE GRASS CT**  
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD  
(CIRCLE APPROPRIATE BOX)

**120'**  
34 DISTANCE FROM ROAD 37  
ENTER FT OR MI 38 39

TAX MAP: \_\_\_\_\_ BLK: \_\_\_\_\_ PARCEL \_\_\_\_\_

**WELL INFORMATION**

B 2 APPROX. PUMPING RATE 5  
1 2 (GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED 500  
(GAL. PER DAY) 14 20

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

**Howard CO 158028 K**  
COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S → 41

DATE ISSUED **9-14-98** **A McMillan** **9-14-99**  
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID **523 000** EAST GRID **808 000**  
50 55 57 63

APPROXIMATE DEPTH OF WELL 150 FEET  
24 28

APPROXIMATE DIAMETER OF WELL 64 INCH  
NEAREST INCH

**METHOD OF DRILLING (circle one)**

BORED (or Augered) JETTED Jetted & DRIVEN  
30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVerse-ROTary DRive-POINT

other \_\_\_\_\_

**REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)**

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEIN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 \_\_\_\_\_ 52

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

APPROP. PERMIT NUMBER 54 \_\_\_\_\_ 63

PERMIT No. **HD-44-1738**  
70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

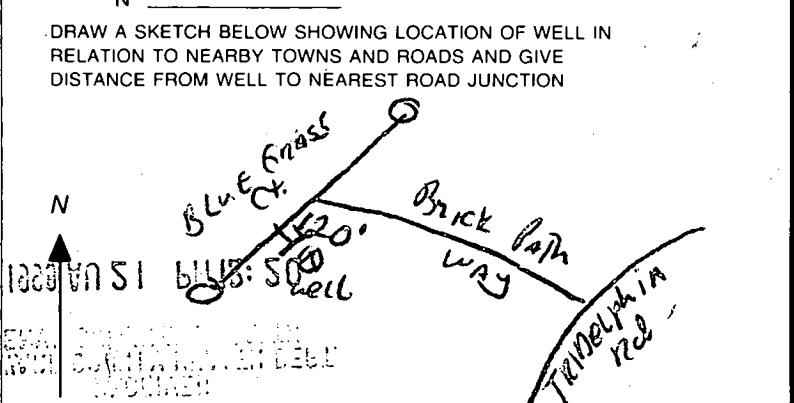
- well
- 
- 

WRITE THE BOX NUMBER FROM THE MAP HERE

E 808 000 000

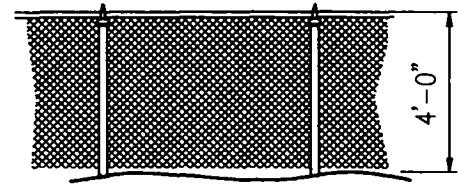
N 523 ← 000 000

10/2/98  
At 9:30  
1/22/99  
erout

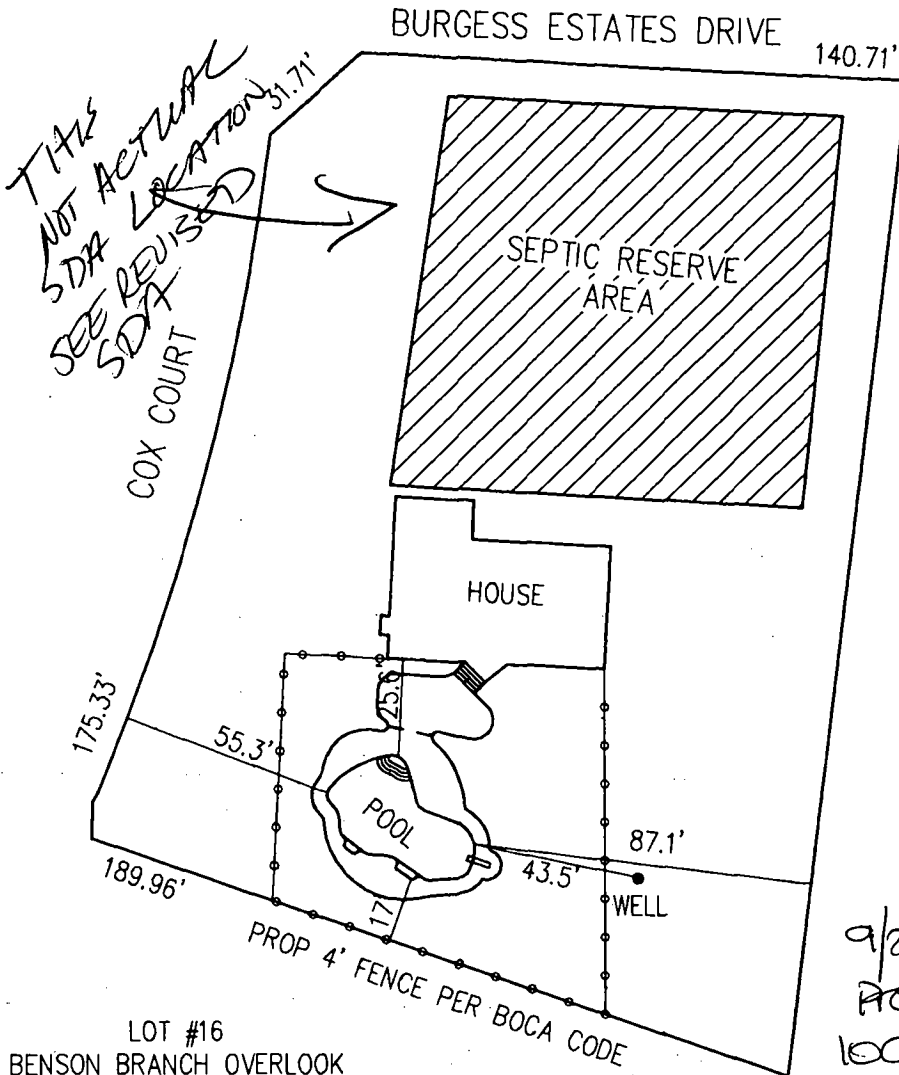


**NOTE**

Pool area to be fenced per local code.  
 Gates to be self-closing and self-latching.  
 Wet down GUNITE twice daily for seven days.

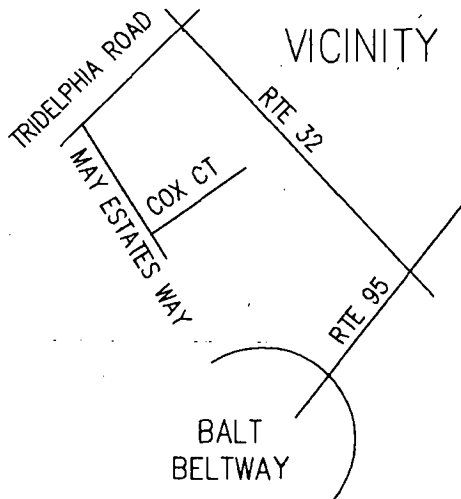
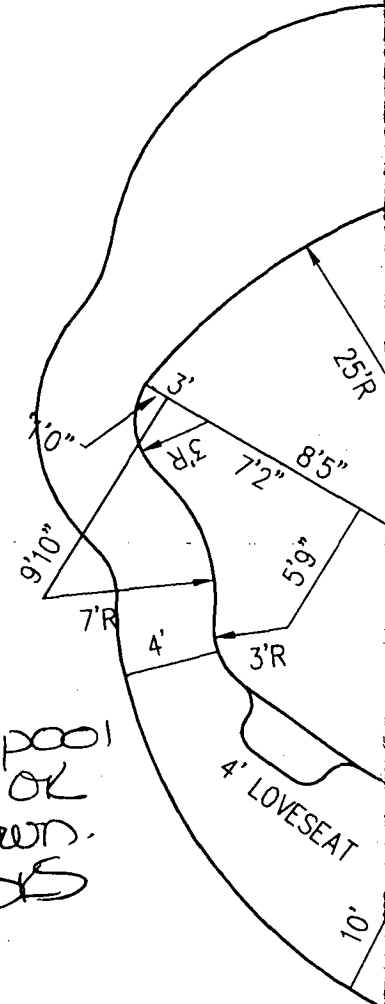


FENCE DETAIL  
 NOT TO SCALE  
 FENCE BY OWNER PER BOCA CODE  
 ALL GATES TO BE SELF CLOSING  
 AND SELF LATCHING



LOT #16  
 BENSON BRANCH OVERLOOK  
 SCALE: 1"=50'

*9/22/99  
 Proposed pool location OK as shown.  
 DS*



**VICINITY MAP**

DIRECTIONS:  
 FROM THE BALT BELTWAY TAKE  
 INTERSTATE 95 NORTH TO  
 (L) RTE 32 WEST TO  
 (L) TRIDELPHIA ROAD TO  
 (L) MAY ESTATES WAY TO  
 (L) COX COURT