

LAYOUT 10/1/02 1:30 INSP 4 \_\_\_\_\_  
 INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

# 360168

ISSUE DATE: 7/31/2002

P 517389

APPROVAL DATE: 12/12/02

A 50463-R

**INDEXED PERMIT**

HOUSE CONNECTION & GRINDER PUMP

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

Cornerstone Homes, Inc. (Hatfield's) IS PERMITTED TO INSTALL  ALTER

ADDRESS: 9691 Norfolk Avenue PHONE NUMBER: (410) 792-2565

SUBDIVISION: Riggs Meadow LOT NUMBER: 1

ADDRESS: 14601 Frederick Road PROPERTY OWNER: Cornerstone Homes, Inc.

SEPTIC TANK CAPACITY (GALLONS): NA +250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180 NA

LINEAR FEET OF TRENCH REQUIRED: 240 NA

|           |  |
|-----------|--|
| TRENCHES: | <del>Trench to be 3.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.</del>       |
| LOCATION: | Install 4" house connection sewer line per approved plan.  |
| NOTES:    | This permit is limited to the installation of the individual house connection sewer line and installation of the grinder pump. The Howard County Bureau of Utilities must be contacted prior to scheduling an inspection of these items. |

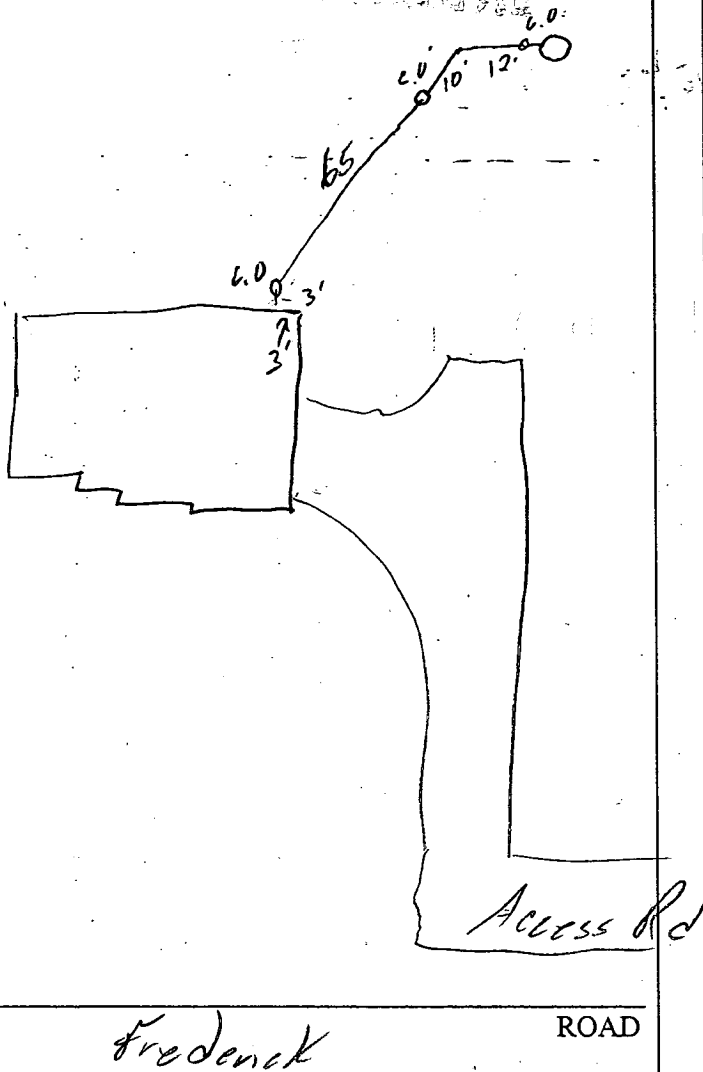
PLANS APPROVED: [Signature] OK 5/18/02 DATE: 5/18/02

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A50463-R

NOT TO SCALE



**TRENCH/DRAINFIELD DATA**

| WIDTH                         | INLET | BOTTOM |
|-------------------------------|-------|--------|
| _____                         | _____ | _____  |
| NUMBER OF TRENCHES _____      |       |        |
| TOTAL LENGTH _____            |       |        |
| ABSORPTION AREA _____         |       |        |
| DISTRIBUTION BOX LEVEL _____  |       |        |
| DISTRIBUTION BOX BAFFLE _____ |       |        |
| DISTRIBUTION BOX PORT _____   |       |        |

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL \_\_\_\_\_

CAPACITY \_\_\_\_\_ GAL

SEAM LOC \_\_\_\_\_

TANK LID DEPTH \_\_\_\_\_

BAFFLES \_\_\_\_\_

BAFFLE FILTER \_\_\_\_\_

MANHOLE LOC \_\_\_\_\_

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

SEPTIC TANK 2 LEVEL \_\_\_\_\_

CAPACITY \_\_\_\_\_ GAL

SEAM LOC \_\_\_\_\_

TANK LID DEPTH \_\_\_\_\_

BAFFLES \_\_\_\_\_

BAFFLE FILTER \_\_\_\_\_

MANHOLE LOC \_\_\_\_\_

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

PRE-CONSTRUCTION \_\_\_\_\_

INSTALLATION 11/1/02 No house conn. Line to Env. one unit installed OK to cover except house conn (SO)

12/11/02 Grinder pump drop, Alarm & pump tests ok. wt. files - Matt - also here (SO)

12/12/02 - RECEIVED FAX FROM MATT TUBER - (SRK)

FINAL INSPECTOR

Steven R. King

DATE OF APPROVAL

12/12/02

**FAX**  
cover sheet



**Bureau of Utilities**  
8270 Old Montgomery Rd.  
Columbia, Md. 21045  
Tel. : 410 313 4900  
Fax : 410 313 4989

To: Water & Sewer Program

Date: 12/12/02 Number of pages including this one one

Fax Number: 2648

From: Matt Tucker

Comments: Shared Septic Program U&O's

Friendship Lakes Williamsburg Homes lot #11  
2927 New River Rd

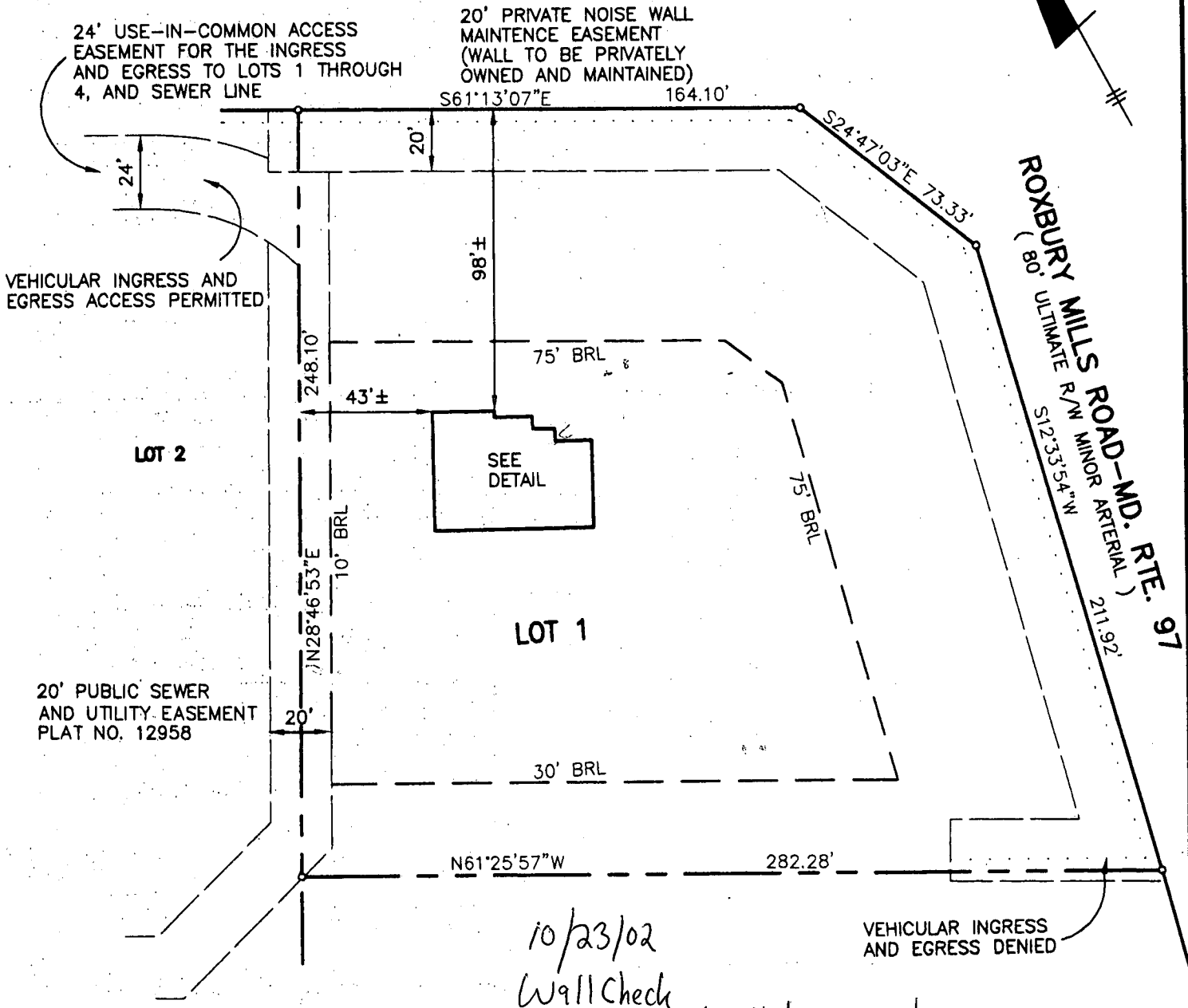
Riggs Meadows Cornerstone Homes lot #1  
14601 Fredrick Rd

I have received letters from both builders assuring  
that they will address grading concerns in the Spring.  
The Bureau of Utilities releases the above properties for U&O.

DO NOT DISCARD

**FREDERICK PIKE -- MD. RTE. 144 (SCENIC ROAD)**  
 ( 80' ULTIMATE R/W MINOR ARTERIAL ROAD )

GRID NORTH



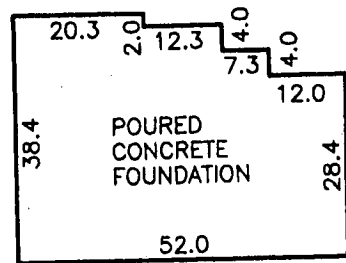
10/23/02  
 Wall Check  
 on SPW

Well location to  
 house may an issue  
 30' ± ?

TOP OF FOUNDATION WALL ELEVATION = 606.8'  
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 08/29/02 ; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY BENCHMARK ENGINEERING, INC. ENTITLED "RIGGS MEADOW", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No.12958

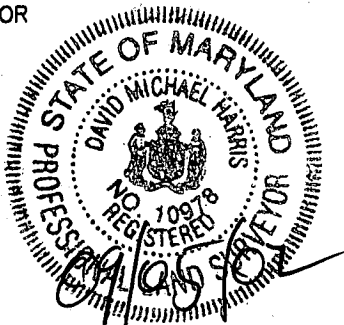


**FOUNDATION DETAIL**

SCALE: 1" = 30'

*David M. Harris*

DAVID M. HARRIS  
 REGISTERED PROFESSIONAL LAND SURVEYOR  
 MD REG. No. 10978  
 FOR BENCHMARK ENGINEERING, INC.  
 MD REG. No. 351  
 RECORD PLAT No. 12958  
 FEMA FIRM No. 240044 0008 B  
 ZONE: C  
 DATED: 12/04/86



**BENCHMARK ENGINEERING, INC.**

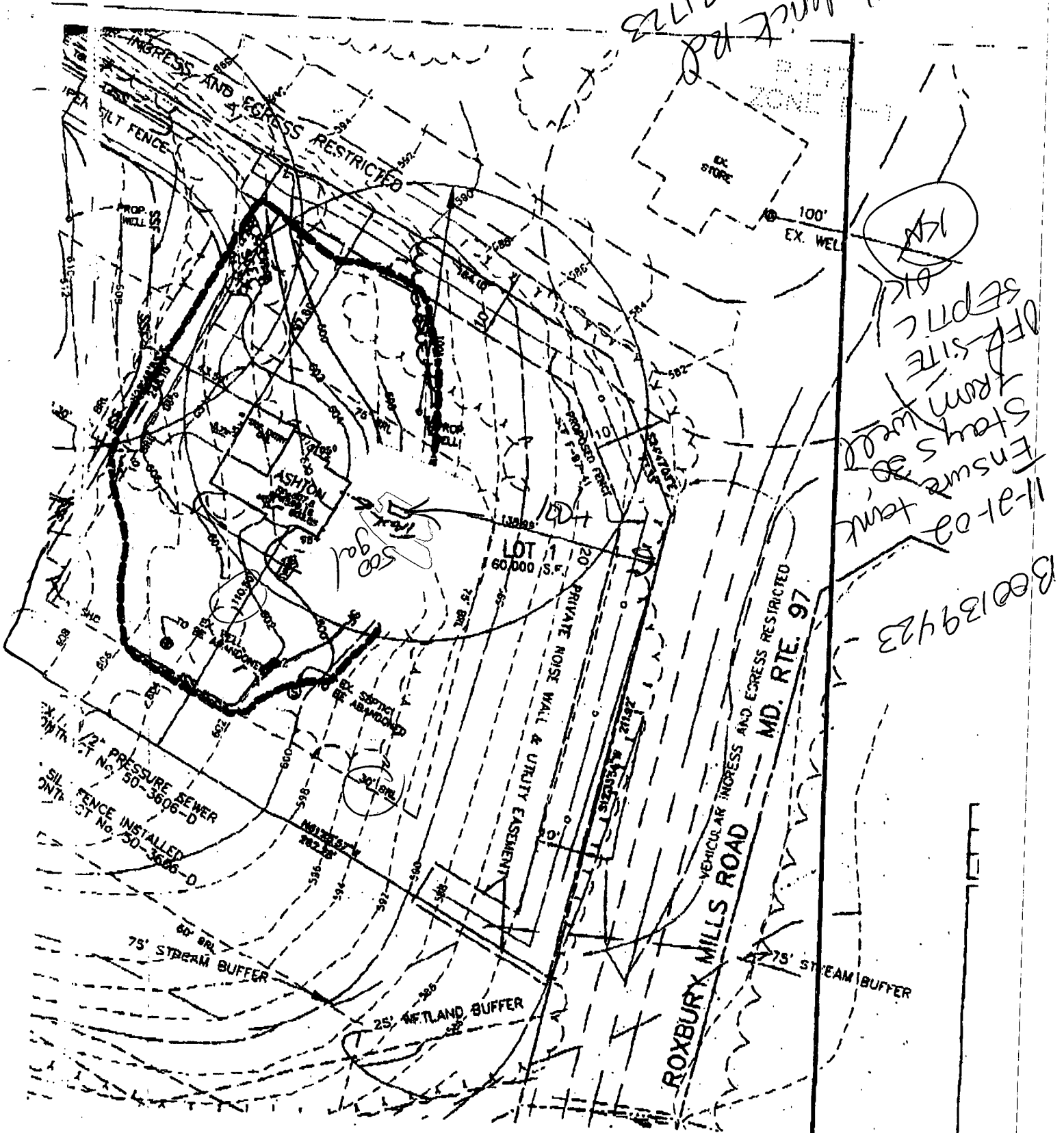
2480 BALTIMORE NATIONAL PIKE A SUITE 418  
 ELICOTT CITY, MARYLAND 21043  
 phone: 410-465-6100 A Fax: 410-465-6044  
 email: Benchmark@earthlink.net

**WALL CHECK  
 RIGGS MEADOW  
 LOT No. 1**

14601 FREDERICK ROAD  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 08/29/02

*14601 Fredentz Rd  
21723*



PLAN VIEW

SCALE: 1" = 50'

*Shared Septic System*

NOTE:

C1 14434 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)

COUNTY NUMBER B A50463-H

ST/CO USE ONLY DATE Received 03 28 02

DATE WELL COMPLETED 3 25 02 Depth of Well 340 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-94-3342

OWNER (Security Development) STREET OR RFD md 144 TOWN Cooksville SUBDIVISION Riggs Meadows SECTION LOT 1

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes entries for Sand and Gray Mica Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 18 NO. OF POUNDS 1692 GALLONS OF WATER 108 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 60

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

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 80

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 PL PLASTIC HO OPEN HOLE OT OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (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

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. 1 MS D024 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D

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

DEPTH (nearest ft.) 77 340

Table with columns: E, A, C, H, S, R, E, N and rows for casing depth measurements.

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

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

PUMPING TEST

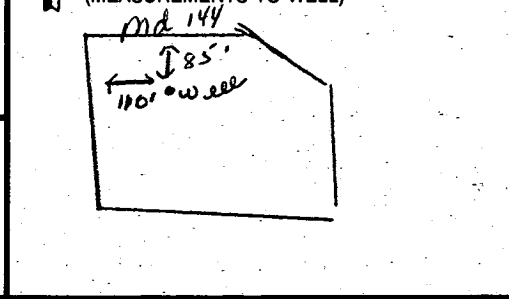
HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 4 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 27 ft. WHEN PUMPING 242 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES 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 - below LAND SURFACE 3 (nearest foot)

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 7207

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40-94-3342

W51650 please print or type

fill in this form completely

Date Received (APA)

02 11 02

OWNER INFORMATION

Security Development Corporation

P.O. Box 417

Ellicott City Md 21041

LOCATION OF WELL

Howard

Ridge Meadow

Cooksville

NEAREST TOWN

MILES FROM TOWN

DRILLER INFORMATION

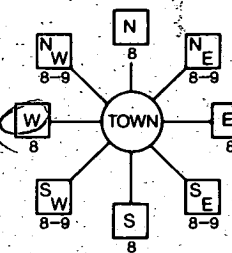
Joseph L. Mayne MS DO 24

Joseph L. Mayne Well Drilling

5512 Ridge Rd Mt. Airy 21771

Joseph L. Mayne 2/8/02

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Md 144 - Frederick Rd

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD 80 FT

TAX MAP: 14 BLK: 10 PARCEL 15

WELL INFORMATION

APPROX. PUMPING RATE 5 GAL. PER MIN.

AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

USE FOR WATER (CIRCLE APPROPRIATE BOX)

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 A50463-H

COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S

DATE ISSUED 3/14/02 KACU Juedy 3/14/03

NORTH GRID 545 000 EAST GRID 0794 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered)
AIR-ROTARY (circled)
CABLE
JETTED
AIR-PERCussion
REVERSE-ROTARY
Jetted & DRIVEN
ROTARY (Hydraulic Rotary)
DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL (circled)
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 DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROX. PERMIT NUMBER

PERMIT No. 40-94-3342

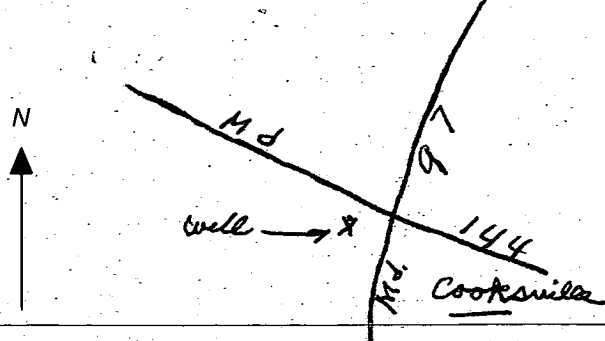
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 79\*4
N 5405

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

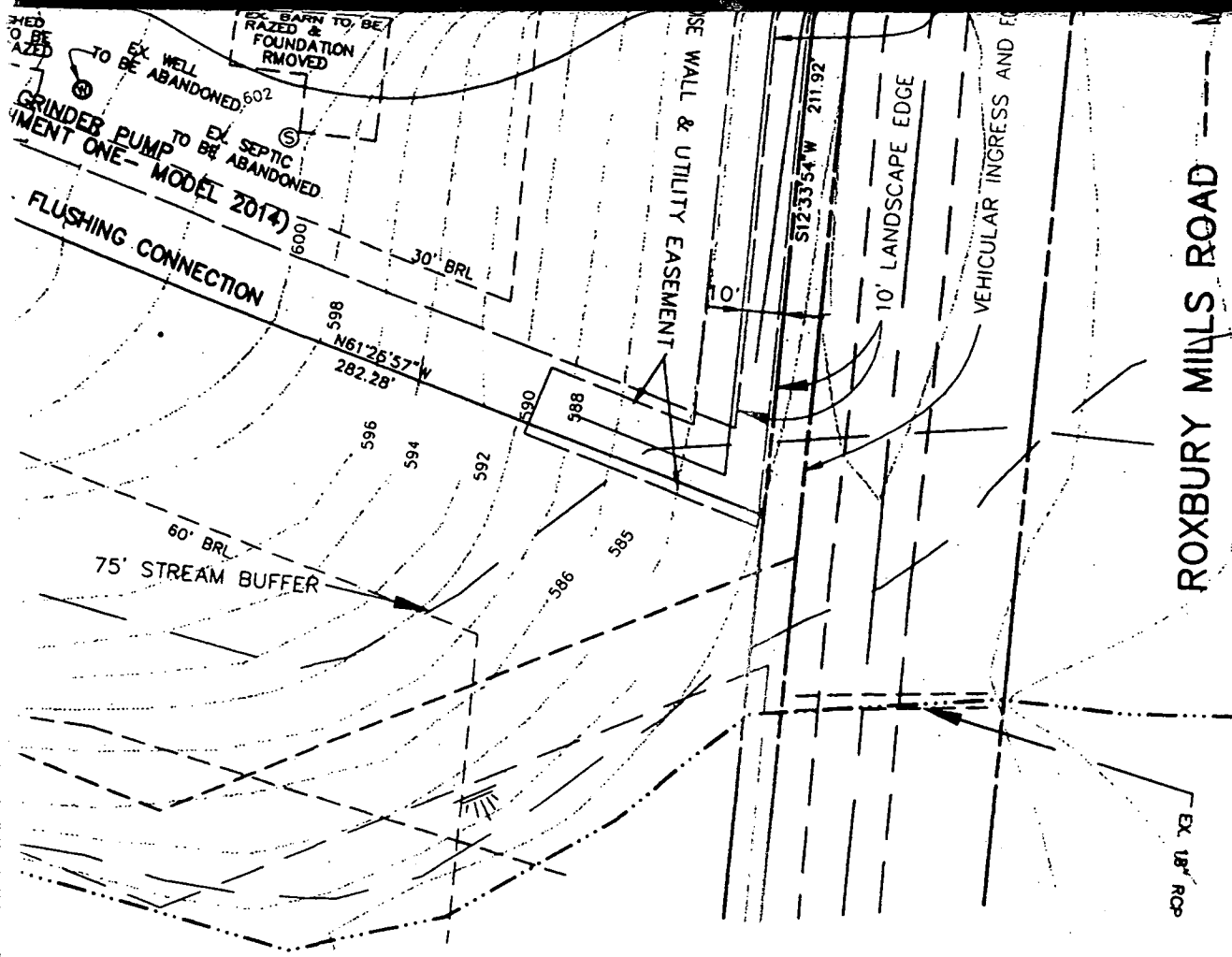


SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED








**NOTE: INSTALLATION OF GRINDER PUMP AND ITS APPURTENANCES, AND THE 4" PVC SEWER HOUSE CONNECTIONS (SHC) ARE THE RESPONSIBILITY OF THE BUILDER AND NOT PART OF THIS CONTRACT.**

SEPTIC TRENCH DATA

REQUIRED:  $(180 \text{ S.F./BEDROOM}) / 3 \text{ FT.} = 60 \text{ L.F. PER BEDROOM}$   
 SINCE 4 HOUSES WITH 4 BEDROOMS EACH = 16 BEDROOMS  
 THEREFORE  $60 \text{ S.F.} \times 16 = 960 \text{ L.F. (REQUIRED)}$

PROVIDED : 960 L.F. OF TRENCH PROVIDED

IV. STANDARD SPECIFICATIONS AND DETAIL FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.  
7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL  AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.

8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

- STATE HIGHWAY ADMINISTRATION..... (410) 531-5533
- BALTIMORE GAS & ELECTRIC CO.  
CONTRACTOR SERVICES..... (410) 850-4620
- BALTIMORE GAS & ELECTRIC CO.  
UNDERGROUND DAMAGE CONTROL..... (410) 787-9068
- MISS UTILITY..... 1-800-257-7777
- COLONIAL PIPELINE CO..... (410) 795-1390
- BUREAU OF UTILITIES,  
HOWARD CO. DEPT. OF PUBLIC WORKS..... (410) 313-4900
- HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH..... (410) 313-2640

- 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 10. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- 11. PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE OPERATIONS.
- 12. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.
- 13. THE BUILDER SHALL BE RESPONSIBLE FOR THE REQUIREMENTS AND METHOD OF INSTALLATION OF THE GRINDER PUMP AND ITS APPURTENANCES.
- 14. THE MAINTENANCE AND OWNERSHIP OF GRINDER PUMP WILL BE PUBLIC.
- 15. "PS" DENOTES PRESSURE SEWER.
- 16. SEPTIC TANKS MUST BE VACUUM OR WATER TESTED ON SITE BY THE MANUFACT SEPTIC TANK SHOP DRAWINGS FROM THE MANUFACTURER SHOULD BE SUBMITTED TO THE COUNTY FOR APPROVAL PRIOR TO ANY INSTALLION OF THE SEPTIC TANKS.
- 17. THE CONTRACTOR SHALL NOTIFY THE HOWARD CO. HEALTH DEPARTMENT AT (410) 313-2640 AT LEAST FIVE WORKING DAYS BEFORE ANY SEPTIC TANKS VACUUM OR WATER TESTING IS PERFORMED.

PART 2 - PRESSURE SEWER

- 1. ALL PRESSURE SEWERS TO BE SDR 21 PVC PIPE, SOLVENT WELDED. UNLESS OTHERWISE NOTED.

9/12/97  
10:30

SITE INSPECTION SHEET

OWNER: Security Development

DATE REQUESTED: 9/12/97

ADDRESS: Rt. 97

DRILLER: \_\_\_\_\_

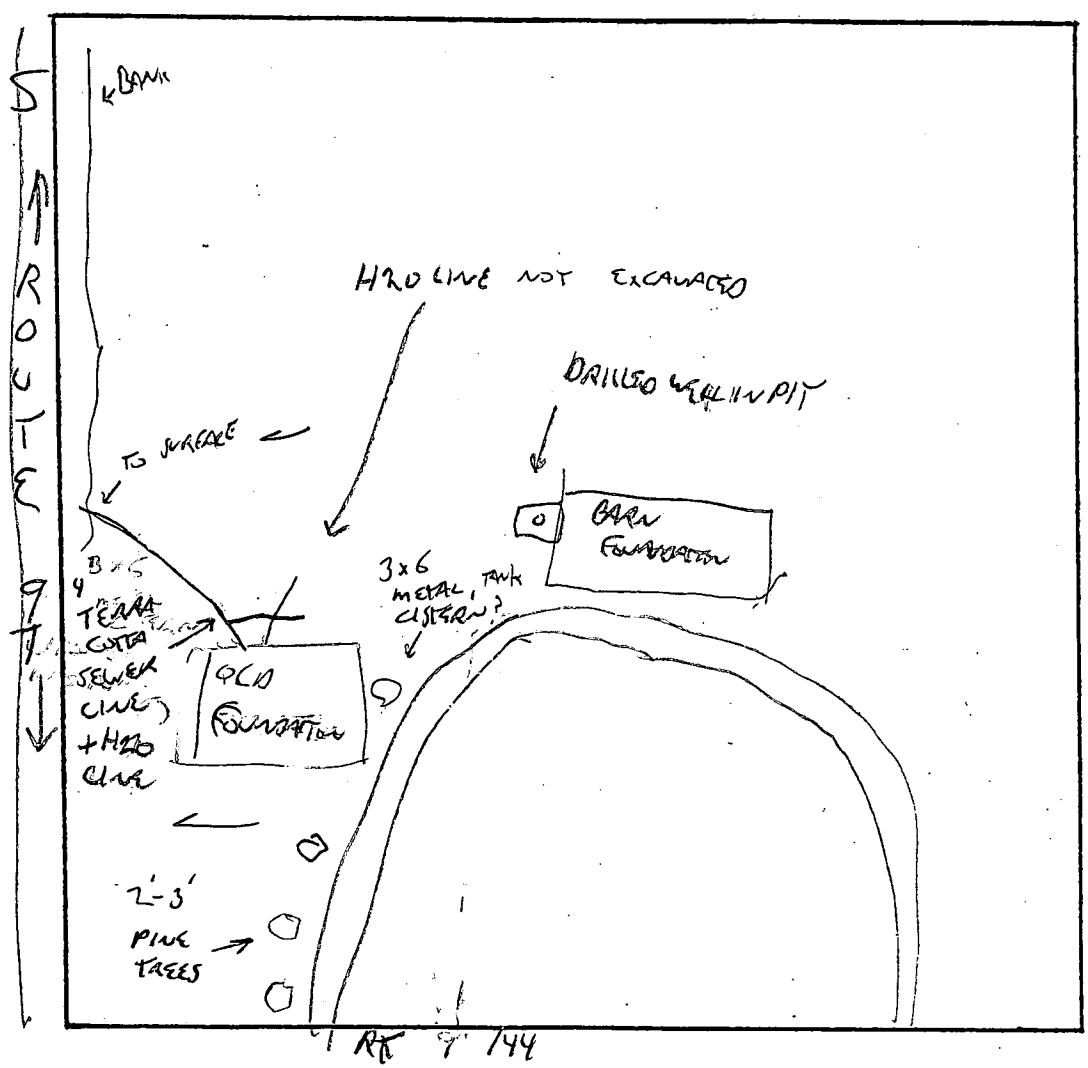
Riggs Property

WELL TAG # \_\_\_\_\_

COUNTY # \_\_\_\_\_

PROPOSAL: Abandon existing drilled well in a pit.

LOCATION DIAGRAM



COMMENTS: METAL CISTERN REMOVED & HOLE GULCH IN, HOUSE FOUNDATION HAS

PLUMBING, BACKSIDE EXCAVATION ON LOWER EDGE & SIDES OF FOR SEWER EVIDENCE

TERRA COTTA C/W ENDED AT 50', H2O C/W FOLLOWS TO EDGE OF BANK

HEAVY UNDERGROWTH, TREES MAKE FURTHER EXCAVATION IMPRACTICAL

DATE: 9/12/97

INSPECTOR: \_\_\_\_\_

\*\*\*\*\*  
 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: 9/12/97 (month/day/year)

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

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA

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

\* PERMIT NUMBER OF REPLACEMENT WELL NA

\* PERSON ABANDONING WELL: HATFIELD EQUIPMENT

WELL DRILLERS LICENSE NUMBER: \_\_\_\_\_  
 CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: RIGGS PRO

\* WELL LOCATION:

COUNTY: HOWARD  
 NEAREST TOWN: COOKSVILLE  
 TAX MAP 8 BLOCK 22 PARCEL 96  
 SUBDIVISION: RIGGS  
 SECTION: \_\_\_\_\_ LOT: \_\_\_\_\_

|       |   |
|-------|---|
|       |   |
|       | X |
| 0 0 0 |   |
| 0 0 0 |   |

MARYLAND GRID COORDINATES

E 794  
 BOX NUMBER  
 N 540

SHOW WELL LOCATION BY X WITHIN BOX

\* TYPE OF WELL BEING ABANDONED:

- DRILLED
- BORED/AUGURED
- OTHER (specify) \_\_\_\_\_
- JETTED
- HAND DUG

\* USE CODE:

- DOMESTIC
- IRRIGATION
- TEST/OBSERVATION
- MUNICIPAL/PUBLIC
- INDUSTRIAL

\* TYPE OF CASING:

- STEEL
- CONCRETE
- PLASTIC
- OTHER (specify) None

SIZE OF CASING: 6-8 INCHES IN DIAMETER

DEPTH OF WELL: \_\_\_\_\_ FEET DEEP

WAS ANY CASING REMOVED?  YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

| MATERIAL                          | FEET |      |
|-----------------------------------|------|------|
|                                   | FROM | TO   |
| TPSOL                             | 4    | 0    |
| CONCRETE                          | 10.5 | 4    |
| CLEAN<br><del>TPSOL</del> - STONE | 10.5 | 10.5 |

SIGNATURE - MASTER WELL DRILLER OR SUPERVISING SANITARIAN: R.S. LICENSE # 1122 MWD/MSD/MGD CIRCLE ONE DATE 9/19/97

9/12/97  
10:30

SITE INSPECTION SHEET

OWNER: Security Development

DATE REQUESTED: \_\_\_\_\_

ADDRESS: Rt. 144

DRILLER: \_\_\_\_\_

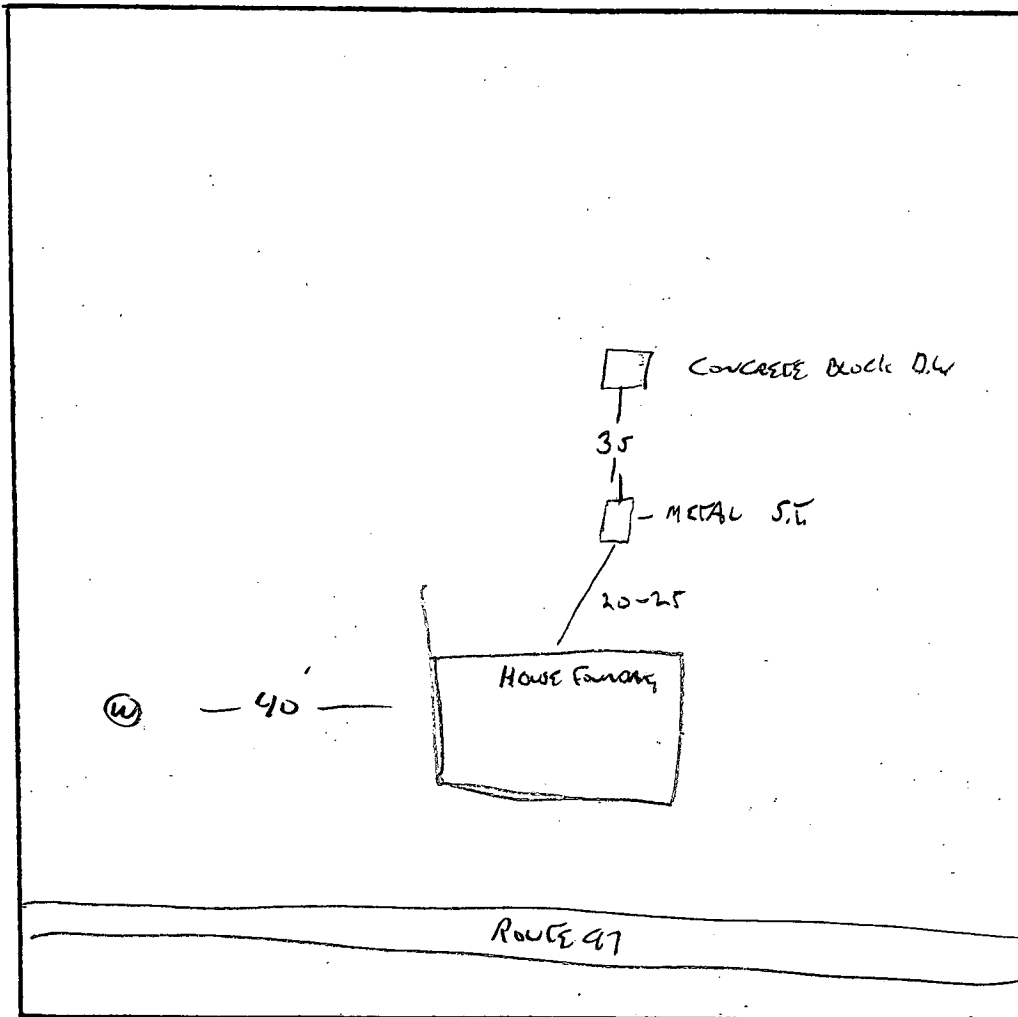
Riggs Property

WELL TAG # \_\_\_\_\_

COUNTY # \_\_\_\_\_

PROPOSAL: Abandon existing septic and drilled well.

LOCATION DIAGRAM



COMMENTS: 9/12/97 SEPTIC TANK RUSSEN + ELLIS W/DEBALT, DRY WELL IS DRY

DATE: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

\*\*\*\*\*  
 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: 9/12/97 (month/day/year)

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

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA

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

\* PERMIT NUMBER OF REPLACEMENT WELL NA

\* PERSON ABANDONING WELL: HATECLOS EQUIPMENT WELL DRILLERS LICENSE NUMBER: \_\_\_\_\_  
 OWNER'S NAME: RIGGS PROPERTY CIRCLE: MWD/MSD/MGD

\* WELL LOCATION:

COUNTY: HOWARD  
 NEAREST TOWN: GLENWOOD  
 TAX MAP 8 BLOCK 22 PARCEL 96  
 SUBDIVISION: RIGGS  
 SECTION: \_\_\_\_\_ LOT: \_\_\_\_\_

|     |   |
|-----|---|
|     |   |
| 000 |   |
| 000 | X |

MARYLAND GRID COORDINATES

E 793  
 BOX NUMBER N 541 ←

\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGURED  HAND DUG
- OTHER (specify) \_\_\_\_\_

SHOW WELL LOCATION BY X WITHIN BOX

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION

LOG OF SEALING MATERIAL

| MATERIAL    | FEET |     |
|-------------|------|-----|
|             | FROM | TO  |
| TOP SOIL    | 5'   | 0'  |
| CONCRETE    | 12   | 5   |
| CLEAN STONE | 100' | 12' |

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 6 INCHES IN DIAMETER

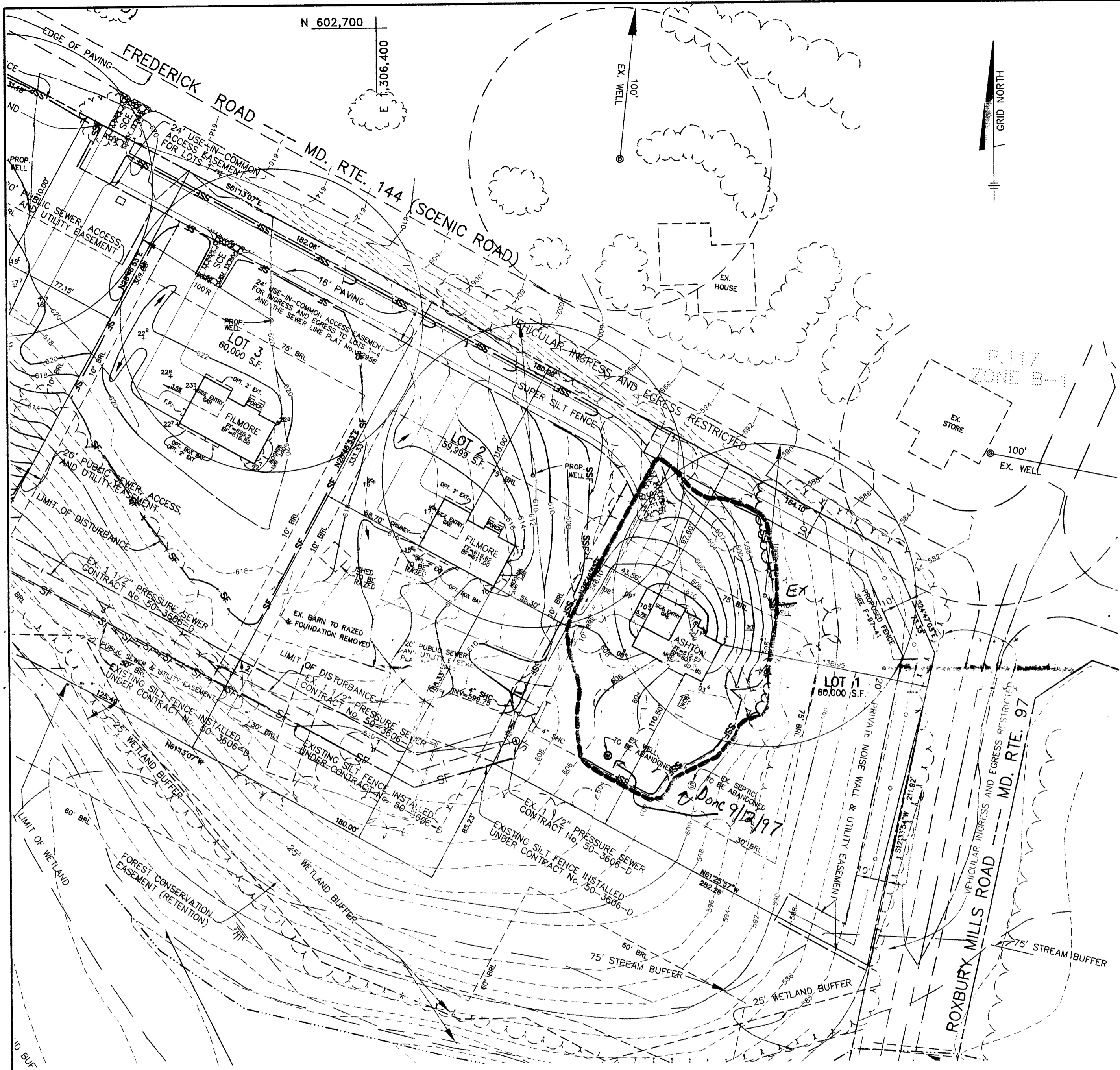
\* DEPTH OF WELL: 100 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN Robert J. R.S. LICENSE # 1122 MWD/MSD/MGD CIRCLE ONE DATE 9/19/97



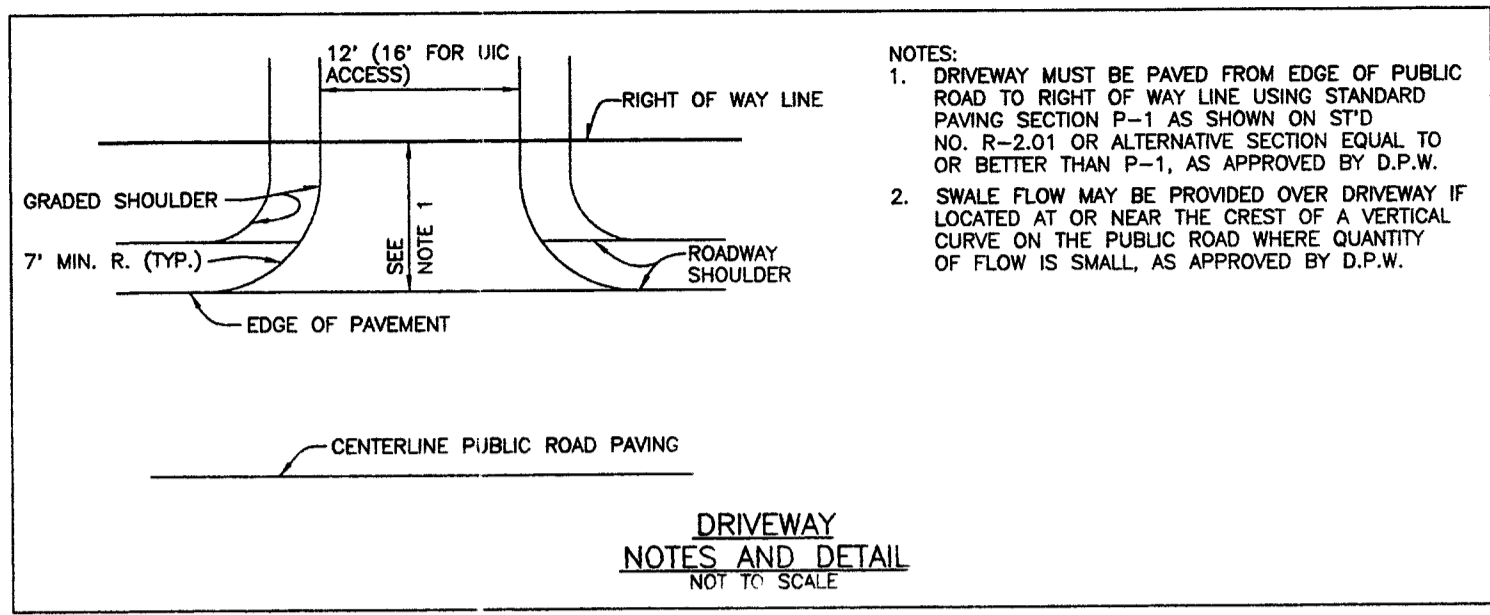


PLAN VIEW  
SCALE: 1" = 50'

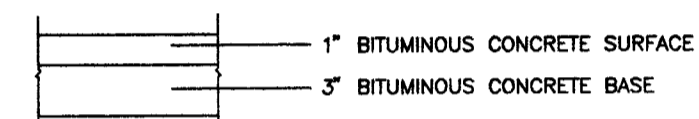
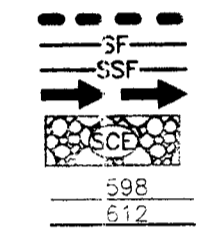
- NOTES:**
1. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT. SEE RECORD PLAT FOR LOT INFORMATION.
  2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF AND NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
  3. UNLESS OTHERWISE SHOWN, NO WELLS OR SEWERAGE EASEMENTS ARE LOCATED WITHIN 100 FEET OF THE PROPERTY.
  4. THE CONTOURS SHOWN HEREON HAVE BEEN INTERPOLATED FROM FIELD ELEVATION TAKEN ON THE SEPTIC AREA PERCOLATION TEST HOLES, DATED JAN.1996, AND DO NOT REPRESENT FIELD RUN TOPOGRAPHIC SURVEY. SEE F-97-41.
  5. THIS LOT IS SERVED BY A SHARED SEPTIC RESERVE AREA. SEE CONTRACT NO. 50-3606-D FOR DETAILS.

**NOTE:**  
SEDIMENT CONTROL LOCATION AND IMPLEMENTATION SHOWN ON THIS PLAN IS SUBJECT TO REVISIONS IN THE FIELD AT THE DISCRETION OF THE SEDIMENT CONTROL INSPECTOR

ALL SEDIMENT CONTROL FEATURES SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS SHOWN IN THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.



- LEGEND**
- LIMIT OF DISTURBANCE
  - PROP. SILT FENCE
  - PROP. SUPER SILT FENCE
  - PROP. EARTH DIKE
  - STABILIZED CONSTRUCTION ENTRANCE
  - EXISTING CONTOUR
  - PROPOSED CONTOUR



- NOTES:**
1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT OF WAY LINE USING STANDARD PAVING SECTION P-1 AS SHOWN ON STD' NO. R-2.01 OR ALTERNATIVE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
  2. SWALE FLOW MAY BE PROVIDED OVER DRIVEWAY IF LOCATED AT OR NEAR THE CREST OF A VERTICAL CURVE ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL, AS APPROVED BY D.P.W.

| NO.   | DATE   | REVISION                       |
|---|--------|--------------------------------|
|   |        |                                |
| <p><b>BENCHMARK</b><br/>ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS<br/><b>ENGINEERING, INC.</b></p> <p>8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418<br/>ELLCOTT CITY, MARYLAND 21043<br/>PHONE: 410-465-6105 ▲ FAX: 410-465-6644<br/>EMAIL: benchmark@cois.com</p> |        |                                |
| OWNER/BUILDER:  |        | PROJECT:                       |
| CORNERSTONE HOMES INC.<br>9691 NORFOLK AVENUE<br>LAUREL, MD 20723<br>410-792-2565   |        | <b>RIGGS MEADOWS<br/>LOT 1</b> |
| LOCATION:   |        | TITLE:                         |
| 14601 FREDERICK ROAD<br>COOKSVILLE, MD 21723<br>TAX MAP 8 & 14 PARCEL 96<br>4th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  |        | <b>PERMIT PLAN</b>             |
| HOUSE TYPE:   |        | DATE:                          |
| ASHTON  |        | JULY, 2002                     |
| DESIGN:   | DRAFT: | PROJECT NO. 1535               |
| DAM   | EDD    | SCALE: 1" = 50'                |
| DRAWING 1 OF 1  |        |                                |