

LAYOUT 9/27/04 INSP 4 \_\_\_\_\_  
INSP 2 10/8/04 PM INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

*03-*  
RPS# 341232

ISSUE DATE: 7/9/2004

P 520770

APPROVAL DATE: 10/8/04

A 514921-P

# PERMIT INDEXED

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

WTC III Plumbing Heating Inc IS PERMITTED TO INSTALL  ALTER

ADDRESS: 1820 Gillis Falls Road PHONE NUMBER: 410-489-4457

SUBDIVISION: Archers Glen LOT NUMBER: 19

ADDRESS: 1731 Archers Glen PROPERTY OWNER: Robert & Roxanne Hettinger

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): ~~1250~~ <sup>MR</sup> COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 149 HOUSE SERVED BY PUBLIC WATER

|           |  |
|-----------|--|
| TRENCHES: | Trench to be 3.0 feet wide. Inlet <sup>4</sup> 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe. |
| LOCATION: | Place the distribution box in the highest elevation in the approved SDA.   |
| NOTES:    |  |

PLANS APPROVED: Kevin Bell Reviewed by: MR DATE: 5/13/04

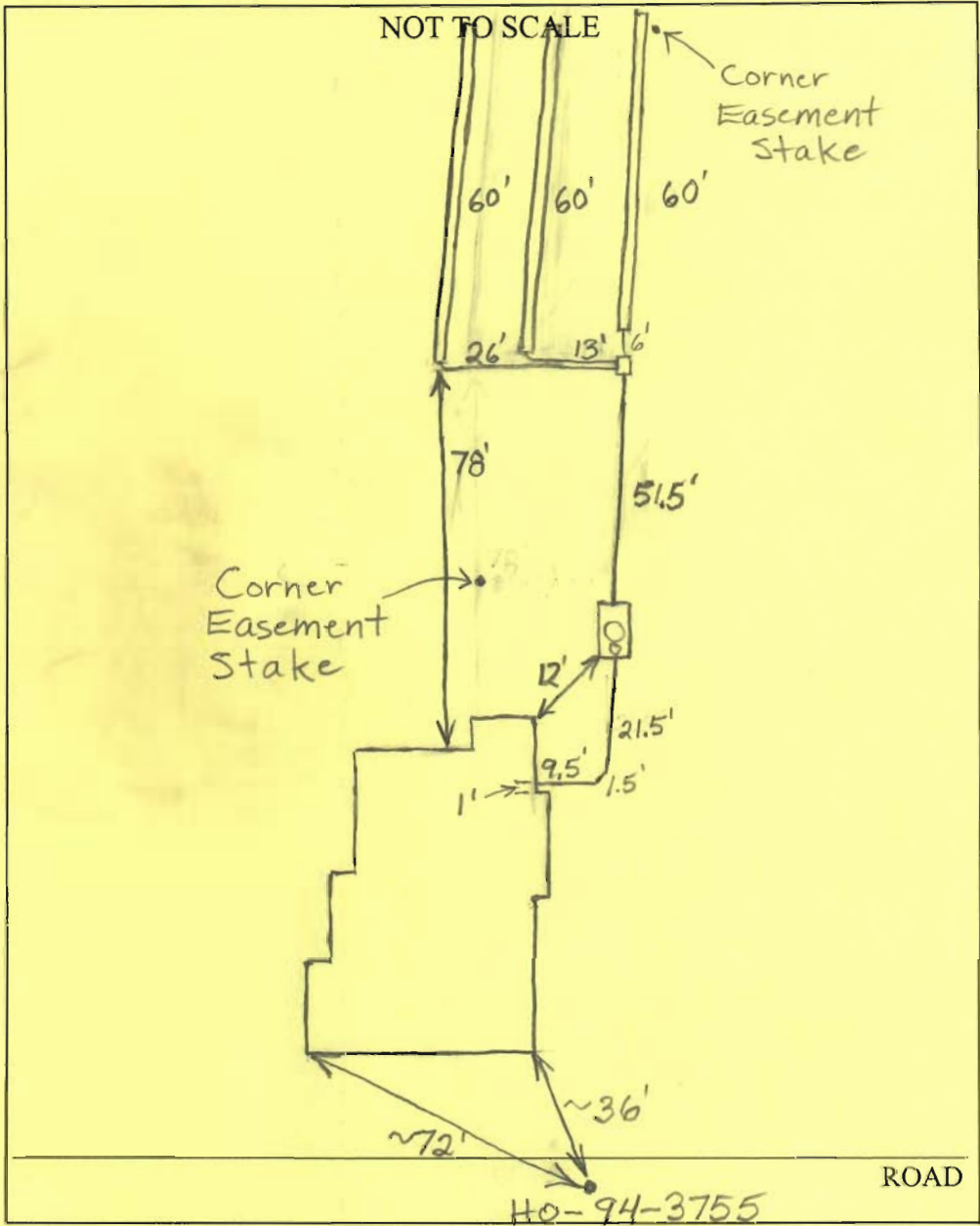
NOTES: PERMIT VOID AFTER 2 YEARS  
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

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

**AND RETURNED**

*5/26/05 BOD154062-DEEK  
7/6/05 BOD154807-FINISH BASOMAN*

A514921-P



| TRENCH/DRAINFIELD DATA  |       |                 |
|-------------------------|-------|-----------------|
| WIDTH                   | INLET | BOTTOM          |
| 3                       | 4'    | 6'              |
| NUMBER OF TRENCHES      |       | 3               |
| TOTAL LENGTH            |       | 180'            |
| ABSORPTION AREA         |       | 540' + Sidewalk |
| DISTRIBUTION BOX LEVEL  |       | Yes             |
| DISTRIBUTION BOX BAFFLE |       | Yes             |
| DISTRIBUTION BOX PORT   |       | No              |

| SEPTIC TANK DATA    |                                     |
|---------------------|-------------------------------------|
| SEPTIC TANK 1 LEVEL | <input checked="" type="checkbox"/> |
| CAPACITY            | 1250 GAL                            |
| SEAM LOC            | Top                                 |
| TANK LID DEPTH      | 1'-1.5'                             |
| BAFFLES             | Yes                                 |
| BAFFLE FILTER       | No                                  |
| MANHOLE LOC         | Middle                              |
| 6" PORT LOC         | Front                               |
| WATERTIGHT TEST     | No                                  |
| SEPTIC TANK 2 LEVEL | N/A                                 |
| CAPACITY            | GAL                                 |
| SEAM LOC            |                                     |
| TANK LID DEPTH      |                                     |
| BAFFLES             |                                     |
| BAFFLE FILTER       |                                     |
| MANHOLE LOC         |                                     |
| 6" PORT LOC         |                                     |
| WATERTIGHT TEST     |                                     |

PRE-CONSTRUCTION 9/27/04 To install 3-50' trenches in upper part of easement that is farthest from the house. Keep the septic tank at least 100' from the well. (BB)

INSTALLATION 10/8/04 O.K. to cover everything. Installer knows that he still needs a 6" cleanout on the septic tank and rear tank baffle. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 10/8/04

BUILDING PERMIT SIGNED AND RETURNED

**NOTES:**

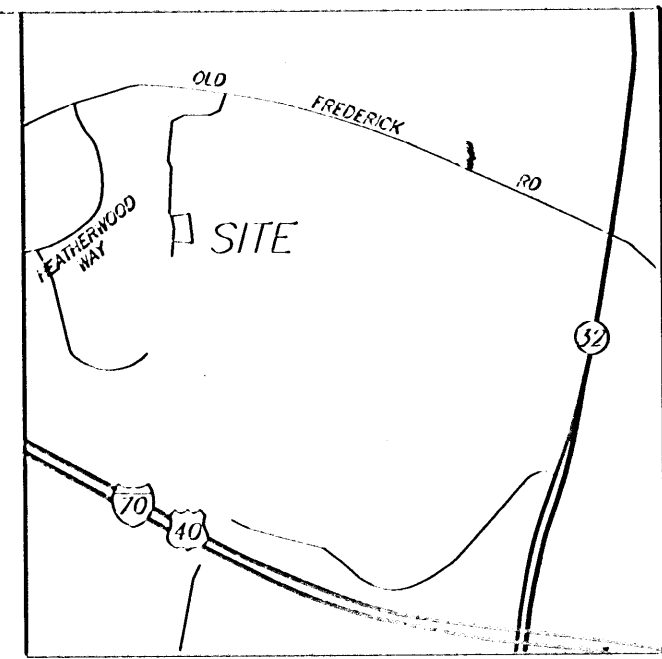
1. THE TOPOGRAPHY SHOWN HEREON WAS FIELD-RUN BY SHANABERGER & LANE ON APRIL 28, 2004.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE  
▲ DESIGNATES EX. WELL
3. THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS DISPOSAL AREA SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
4. SUBJECT PROPERTY ZONED: RC-DEO
5. LIMIT OF DISTURBANCE: 15,242 SQ. FT.  
●●●●●●●●

\* 6. DRIVEWAY CURB/DECK DESIGN INFORMATION TAKEN FROM ROAD & STORM DRAIN CONSTRUCTION DRAWINGS FOR ARCHERS GLEN (E-03-10, SHEET 4 OF 10)

7. STORMWATER MANAGEMENT IS PROVIDED BY E-03-10.

8. THE EXISTING WELL SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG # H0943755 HAS BEEN FIELD LOCATED BY SHANABERGER & LANE PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

9) SEWER CONNECTION FROM HOUSE TO TANK WILL BE SLEEVED.



VICINITY MAP  
SCALE: 1"=2000'

**SEPTIC SYSTEM ELEVATIONS**

INV. OF HOUSE: 571 ±

**SEPTIC TANK**

- EX. CR 511 ±
- FIN. CR 513 ±
- INV. IN 510 ±
- INV. OUT 510 ±

**DISTRIBUTION BOX**

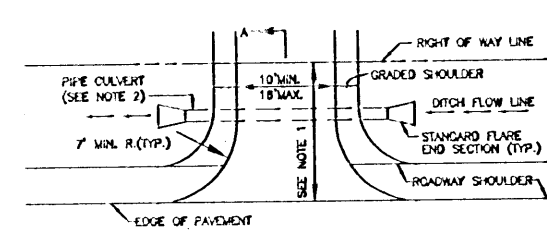
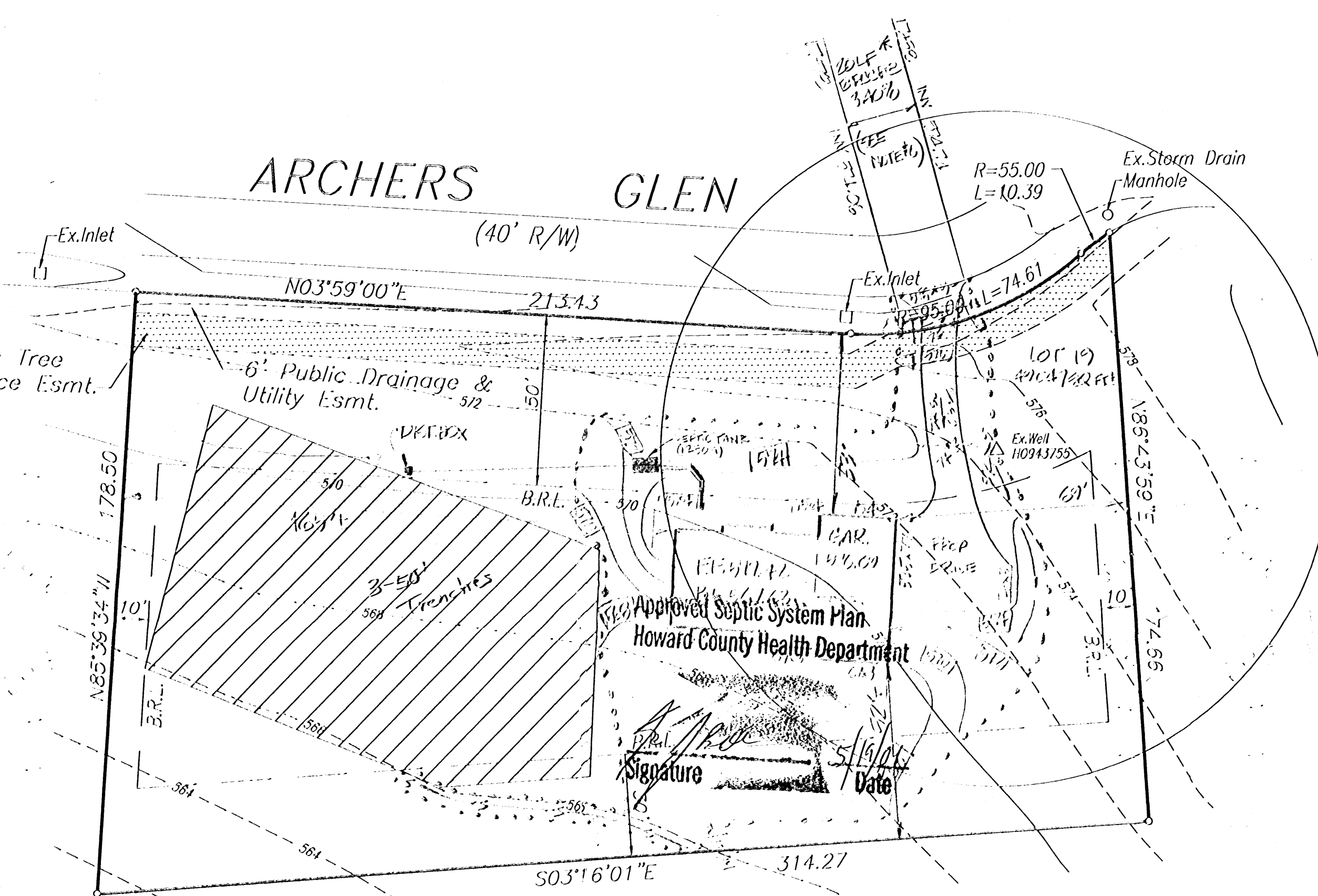
- EX. CR 510.5
- FIN. CR 510.5
- INV. IN 508.3
- INV. OUT 508.0

SEWER SERVICE TO BSMT LEVEL CAN BE PROVIDED BY AN EJECTOR PUMP IN BSMT.

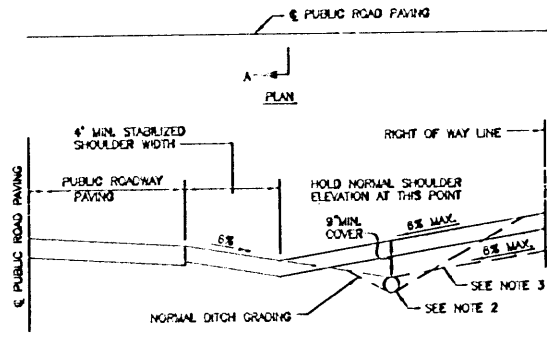
**TRENCHES**

- INLET DEPTH 25'
- BOT DEPTH 45'
- WIDTH 3'

TRENCH LENGTH & ORIENTATION TO BE DETERMINED BY HEALTH DEPARTMENT AT TIME OF SEPTIC SYSTEM LAYOUT INSPECTION.



- NOTES:**
1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT OF WAY LINE USING STANDARD PAVED SECTION P-1 AS SHOWN ON STD. NO. OR ALTERNATE SECTION EQUAL TO TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
  2. GRASSY COVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM AND THE MINIMUM SIZE SHALL BE 12" DIA. ROUND OR 14" TOP ARCH PIPE IF LARGER PIPE IS REQUIRED, DITCH WIDTH SHALL BE LOWERED TO PROVIDE MIN. DITCH GRADIENT OF 0.5% AND CLEARANCE SHOWN.
  3. STABLE FLOW MAY BE PROVIDED OVER DRIVEWAY LOCATED AT OR NEAR THE CREST OF VERTICAL CURVES ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL AS APPROVED BY D.P.W.
  4. THE H. GRADE OF PRIVATE DRIVEWAY SHALL NOT EXCEED 14%.



RESIDENTIAL DRIVEWAY ENTRANCE CONNECTION TO OPEN SECTION ROADWAY

SHANABERGER & LANE  
8726 TOWN & COUNTRY BLVD.  
SUITE 201  
ELLCOTT CITY, MD. 21043  
PHONE: 410-461-9563  
FAX: 410-461-9693

OWNER/DEVELOPER:  
VIKING DEVELOPMENT  
815 WINDRIVER DR.  
SYKESVILLE, MD. 21784

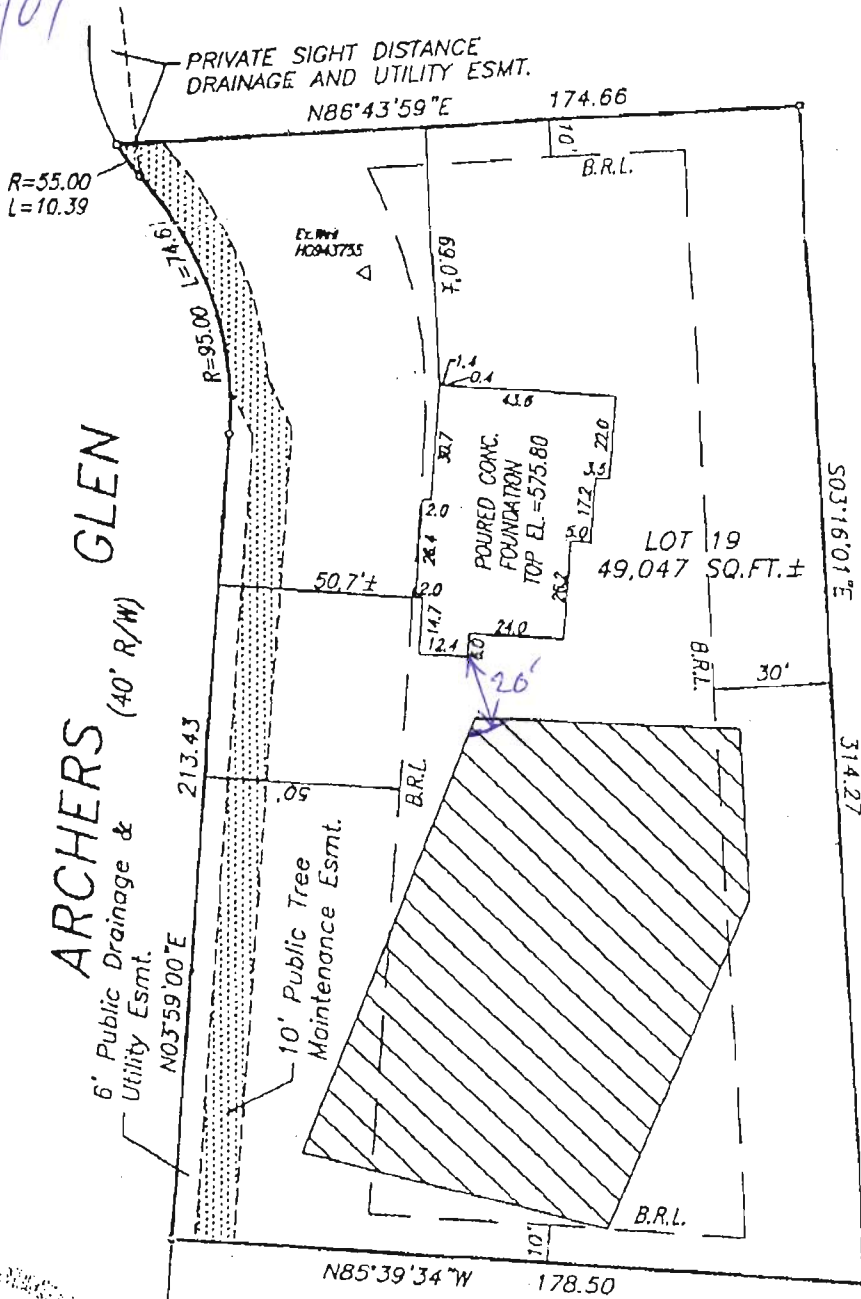
SITE PLAN  
LOT 19  
ARCHERS GLEN  
LOTS 6 THRU 22 AND  
PRESERVATION PARCELS 'A' THRU 'C'  
(PLAT #16456)  
TAX MAP 9 GRID 22 PARCEL 301  
THIRD ELECTION DIST. HOWARD CO., MD.  
SCALE: 1"=30'  
APRIL 30, 2004  
REV. 5/19/04

THE PROPERTY SHOWN HEREON LIES IN "NO SPECIAL FLOOD HAZARD AREAS" AS SHOWN ON FLOOD INSURANCE RATE MAP NO: 240044 0009B(UNPRINTED)

NOTES:

1. THIS PLAT IS OF BENEFIT TO A CONSUMER ONLY INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING, OR REFINANCING.
2. THIS PLAT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES BUILDINGS, POOLS, BUILDING ADDITIONS OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
3. THIS PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.
4. ACCURACY OF BUILDING MEASUREMENTS: 0.2'
5. ACCURACY OF SETBACK DIMENSIONS: 0.4'

WALL CHECK OK  
 HOUSE DROPPED ~0.5'  
 ~50' OF SDA CUT  
 TO PROVIDE 20' TO PORCH  
 MR 7/2/04



*[Handwritten signature]*  
 7/7/04

I HEREBY CERTIFY THAT I HAVE LOCATED THE IMPROVEMENTS AS SHOWN. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY AND CANNOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.

*[Handwritten signature]*  
**SHANABARGER & LANE**  
 8726 TOWN AND COUNTRY BLVD.  
 SUITE 201  
 ELLICOTT CITY, MD. 21043  
 (410)461-9563 FAX:481-9893

LOCATION DRAWING  
 LOT 19  
 "ARCHERS GLEN"  
 LOTS 6 THRU 22 AND  
 PRESERVATION PARCELS 'A' THRU 'C', SHEET 3 OF 3  
 (PLAT #16456)  
 ELECTION DISTRICT: 3RD  
 DEED REFERENCE:  
 COUNTY: HOWARD  
 SCALE: 1"=50'  
 DATE: JULY 7, 2004  
 DATE OF LATEST FIELD WORK: 7/2/04

(378)

P-02-05 SIGNED 9/4/02

EARLY HOUSE

HEATHERWOOD SECTION 1, AREA 1 PLAT No. 4401

10'W.x34'L. PROP. RAIN GARDEN

10'W.x62'L. PROP. RAIN GARDEN

10'W.x46'L. PROP. RAIN GARDEN

10'W.x20'L. PROP. RAIN GARDEN

10'W.x22'L. PROP. RAIN GARDEN

190' CREDIT

EX. BLDG. FOUND.

500'07'59" E

LOT 15  
50,677 sq. ft.

LOT 14  
49,399 sq. ft.

LOT 13  
44,393 sq. ft.

LOT 12  
43,151 sq. ft.

LOT 11  
46,726 sq. ft.

LOT 16  
48,734 sq. ft.

LOT 18  
47,647 sq. ft.

LOT 19  
49,026 sq. ft.

LOT 17  
51,189 sq. ft.

LOT 20  
46,852 sq. ft.

B-4  
PROP. MICRO-POOL  
EXTENDED DETENTION DESIGN  
AS PER HIDE 2000 P-1  
HAZARD CLASS 'A'  
BOTT. = 553.50

DRAINAGE, UTILITY & ACCESS EASEMENT

F.C.E. No. 4  
0.72 AC.\*  
(TO BE PLANTED)

1268  
S.W.M. DRAINAGE & UTILITY EASEMENT H.O.A.  
NON-BUILDABLE PRESERVATION PARCEL 'C'

Forest Conservation Easement No. 1  
9.17 AC.\*  
16.02 AC. TO BE RETAINED  
(2.35 AC. TO BE PLANTED)

WETLANDS

30' ZELAN BUFFER

