

7-27-99
10.11.00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 511919

A 49918-G

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

DATE 6/1/99

BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 7/27/99

INSPECTOR S.R.K.

INDEXED

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL X ALTER _____

ADDRESS 580 Obrecht Road, Sykesville, MD 21784 PHONE 410-795-5670

SUBDIVISION Royal Hollow LOT 5 ROAD 917 Lady Anne Court

PROPERTY OWNER C. & P. Homes, Inc. KIM & DEBBIE WILLIAMS

ADDRESS _____

BUILDING PERMIT SIGNED

SEPTIC TANK CAPACITY 1250 GALLONS

AND RETURNED
11/24/04 800 151313-26 POOL

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 168

TRENCHES - Trench to be 2 feet wide. Inlet 2 1/2 feet below original grade. Bottom maximum depth 7 1/2 feet below original grade. Effective area begins at 2 1/2 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place distribution box 40 feet from left (380') lot line as measured from a point 180 feet up that left lot line from Lady Anne Court. Install trenches on contour in both directions away from the 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/MR

PLANS APPROVED BY Ronald J. Pinkley/Donna K. Soe DATE 3-30-1999

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)

BLDG. PERMIT SIGNED
AND RETURNED 4/27/2000
Serial # B00123852
Deck w/stairs

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

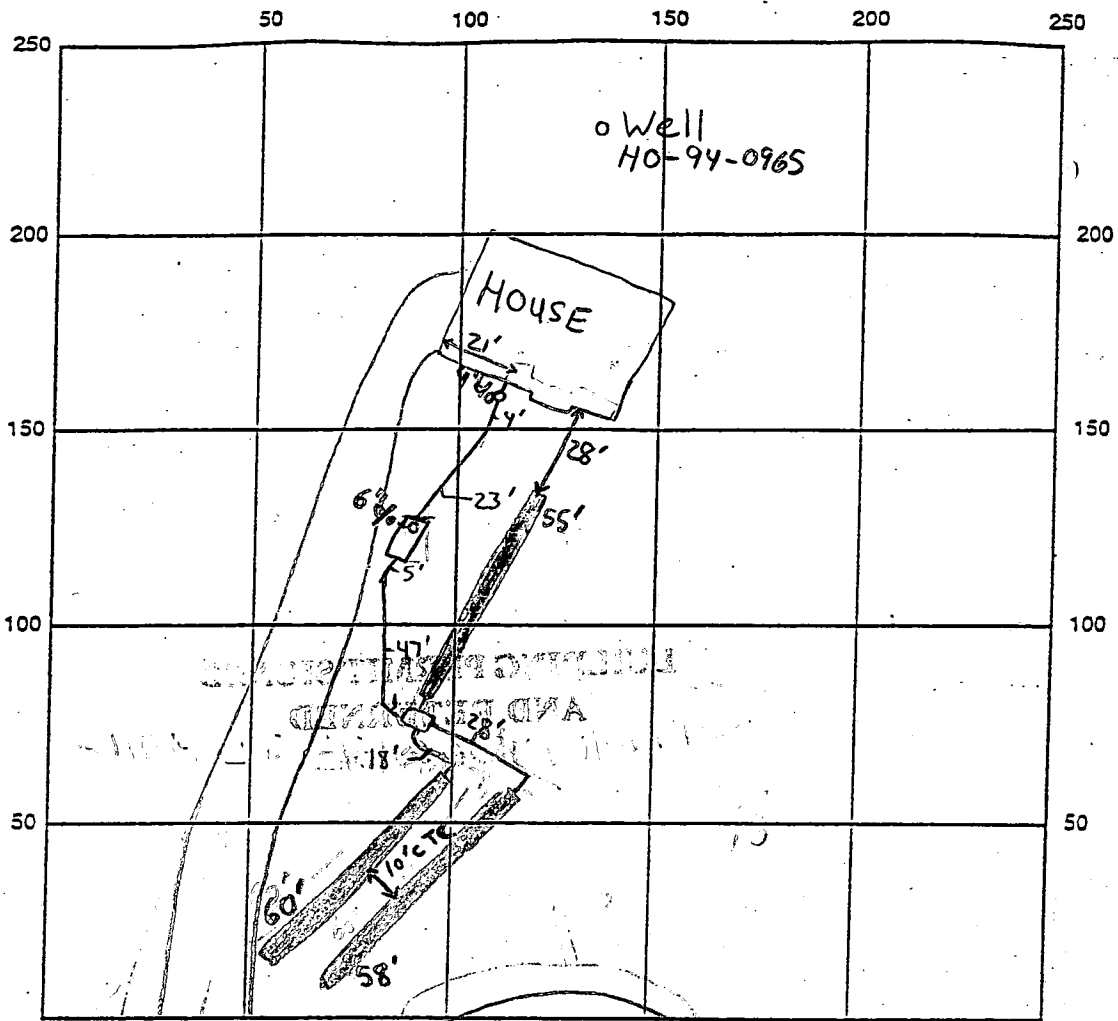
PERMIT VOID AFTER TWO YEARS

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**

49918-G



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
LADY ANNE COURT

SEPTIC TANK LEVEL 1250 midseam CLEANOUTS 4" @ house, 6" @ tank

DISTRIBUTION BOX LEVEL ✓ Baffle is in

DRAIN FIELD/TITLE DEPTH 7 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 2 1/2 FT.

EFFECTIVE GRAVEL DEPTH 5 FT. TOTAL LENGTH 173 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 865 SQ. FT.

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

ABSORBENT AREA N/A SQ. FT.

REMARKS: 7/27/99 - OK TO CONTINUE WORK - SRK 7/27/99 - OK TO COVER ALL WORK - SRK

DATE SYSTEM APPROVED

7/27/99

INSPECTOR

Steven R. Krieg

C1 7853 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A 499BG

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 030499 Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-0965

OWNER LEE DEVELOPMENT last name first name TOWN LISBON STREET OR RFD LADY ANNE CT SUBDIVISION Royal Hollow SECTION LOT 5

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. Rows include Top Soil, Brown Shale, Brown slate, Blan slate, Brown slate, Blan slate, Gray slate.

GROUTING RECORD YES NO

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 21 NO. OF POUNDS 2100 GALLONS OF WATER 105 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 56 ft.

CASING RECORD

MAIN CASING TYPE [ST] Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 90

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

SCREEN RECORD

screen type or open hole [ST] [BR] [HO] [PL] [OT] DEPTH (nearest ft.) HO 88 300

NUMBER OF UNSUCCESSFUL WELLS: 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

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.

TYPE [MWD/MSD/MGD] 040 DRILLERS LIC. NO. George F. Esterley

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. JWD 038

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

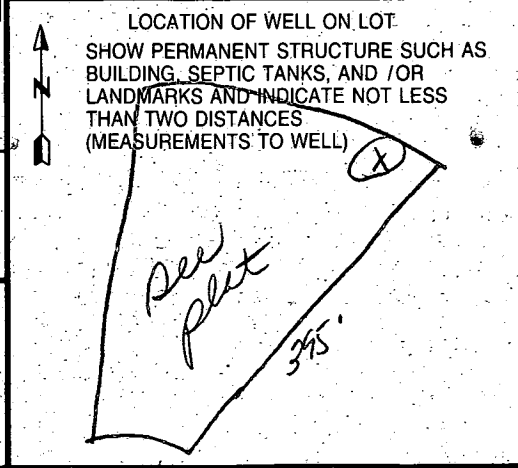
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 10.0 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 51 ft. WHEN PUMPING 115 ft. TYPE OF PUMP USED (for test) [A] air [P] piston [T] turbine [C] centrifugal [R] rotary [O] other [J] jet [S] submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP 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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) [+] above [-] below LAND SURFACE [2] (nearest foot)



B 1 **3399** SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND PERMIT TO DRILL WELL please print or type STATE PERMIT NUMBER **HO-94-0965**
70 fill in this form completely 79

OWNER INFORMATION
 Date Received (APA) **07/31/96**
LEE DEVELOPMENT GRP
 15 Last Name 34 Owner First Name
8601 GEORGIA AVE
 36 Street or RFD 55
SILVER SPRING MD 20910
 57 Town 70 State 72 Zip 76

DRILLER INFORMATION CIRCLE: MSD/MGD/MWD
 George F. Easterday 40
 Driller's Name 77 License No. 80
L. Franklin Easterday, Inc.
 Firm Name
9265 Brown Church Rd., MT. Airy, Md. 21771
 Address
George F. Easterday 7-30-96
 Signature Date

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)

APPROXIMATE DEPTH OF WELL **200** FEET
 24 28

APPROXIMATE DIAMETER OF WELL **6** INCH
 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 _____

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 DEEPEN 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)
 APPROP. PERMIT NUMBER **HO 99 GAP 016**
 FORCE **RA** WRITE INITIALS IN BOX PERMIT No. **HO-99-0965**
 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

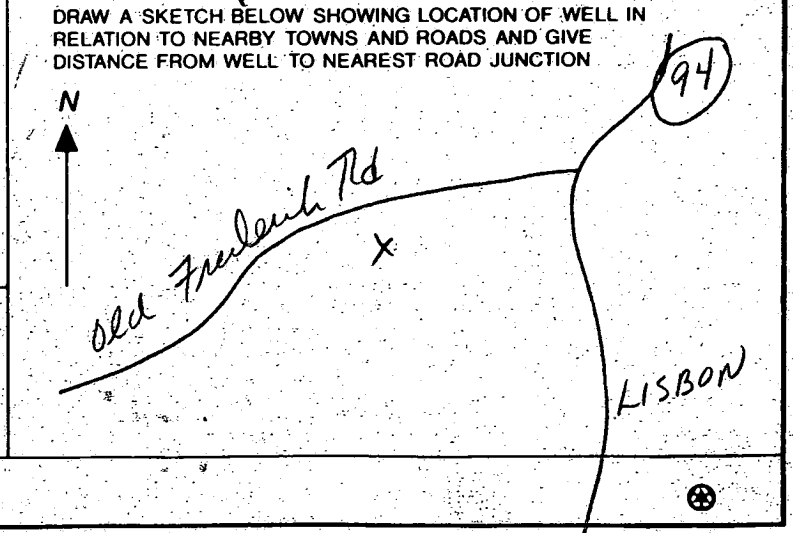
LOCATION OF WELL
HOWARD
 8 COUNTY 21
ROYAL HOLLOW
 23 SUBDIVISION 42
 SECTION _____ LOT **S**
 44 46 48 50
LISBON
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **1** MI
 73 76 77 78

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

LADY ANNE CT
 11 NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N
 WEST W EAST E
 SOUTH S
 34 **375** 37
 DISTANCE FROM ROAD
 ENTER FT OR MI **FT**
 38 39
 TAX MAP: **7** BLK: **6** PARCEL **84**

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME **A49918G** COUNTY NO.
 STATE SIGNATURE _____ INSERT S
 DATE ISSUED **1102496** **10/24/98**
 43 48 CO SIGNATURE **Harold Willey** /EXP. DATE **10/24/99**
 NORTH GRID **551000** EAST GRID **0879000**
 50 55 57 63

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. wells
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **7789**
 N **5501**
 000 000 X



7/22/99
A. [unclear]

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

FAX: 313-2648 PHONE: 313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement Receipt # _____ Date 7/21/99

Name of Installer ROBT. L. FEEZER CO. INC. Telephone 410-281-4605

License Number 2122
Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner CEP HOMES THE PUMP Telephone 795-1800
Subdivision ROYAL HOLLOW Lot # 5 Well Tag # HO-94-0961
Site Address 917 LADY ANNE COURT

- | | | |
|---|--|-------------------------|
| Pump | Motor | Pitless Adapter |
| 1. Type | 1. Horsepower <u>1/2</u> | 1. Make <u>HANNA</u> |
| a. Deep well jet <input type="checkbox"/> | 2. RPM <u>3450</u> | 2. Model # <u>PT500</u> |
| b. Shallow well jet <input type="checkbox"/> | 3. Voltage <u>230</u> | 3. Depth <u>224</u> |
| c. Submersible <input checked="" type="checkbox"/> | a. 110 <input type="checkbox"/> | |
| 2. Make <u>RED JACKET (2 WIRE)</u> | b. 220 <input checked="" type="checkbox"/> | |
| 3. Model # <u>S000SW1-6617</u> | | |
| 4. Capacity <u>6</u> GPM | | |
| 5. Pump exceeds well capacity Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | |
| 6. If Yes, is low pressure cutoff switch installed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | |
| 7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors <input type="checkbox"/> Cable guards <input type="checkbox"/> Other <u>None (Build on concrete)</u> | | |

- | | | |
|--------------------------------------|---|--|
| Tank | Piping | Well data |
| 1. Capacity <u>32 GALLONS</u> | 1. Type <u>Poly.</u> | 1. Depth <u>300</u> ft. |
| 2. Pressure relief valve? <u>YES</u> | 2. Size <u>1"</u> | 2. Yield <u>10</u> GPM |
| | 3. NSF and/or BOCA Code approved <u>YES</u> | 3. Static water level <u> </u> ft. |
| | 4. Depth of supply line <u>42"</u> | 4. Will water supply be disinfected by installer? <u>YES</u> |

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 [Signature]
Date: 7/21/99

FAXED
JUL 21 1999

Indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HD-215 WPI-OK
7/22/99 -SRK

BY THE ENGINEER:

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.

John L. Howard 3-12-99
SIGNATURE OF ENGINEER DATE

BY THE DEVELOPER:

I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ANY PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

David H. [Signature] 3/12/99
SIGNATURE OF DEVELOPER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Charles Simmons 3/24/99
USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

John L. Howard 3/24/99
HOWARD SOIL CONSERVATION DISTRICT DATE

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN.
3. PERFORMED NECESSARY GRADING AND STABILIZE THE SITE.
4. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

HOWARD SOIL CONSERVATION DISTRICT

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

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

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

1. PREFERRED: APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (82 LBS./1000 SQ. FT.) AND 800 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL, AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA FORM FERTILIZER (9 LBS./1000 SQ. FT.)
2. ACCEPTABLE: APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (82 LBS./1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 80 LBS. PER ACRE (1.6 LBS./1000 SQ. FT.) OF KENTUCKY 31ST PEGUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 80 LBS. KENTUCKY 31ST TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (0.8 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS, DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (2) - USE SOD, OPTION (3) - SEED WITH 80 LBS./ACRE KENTUCKY 31ST TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 80 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

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

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, DRIVING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ. FT.)

SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 16 THROUGH OCTOBER 15, SEED WITH 2-1/2 BURNEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ. FT.) FOR THE PERIOD MAY 1 THROUGH AUGUST 15, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THROUGH NOVEMBER 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 SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 80 LBS./1000 SQ. FT.) OF UNROTTED WEED FREE SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 GAL. PER ACRE (5 GAL./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GAL. PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

THE HOWARD SOIL CONSERVATION DISTRICT STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL STANDARDS AND SPECIFICATIONS NOT COVERED.

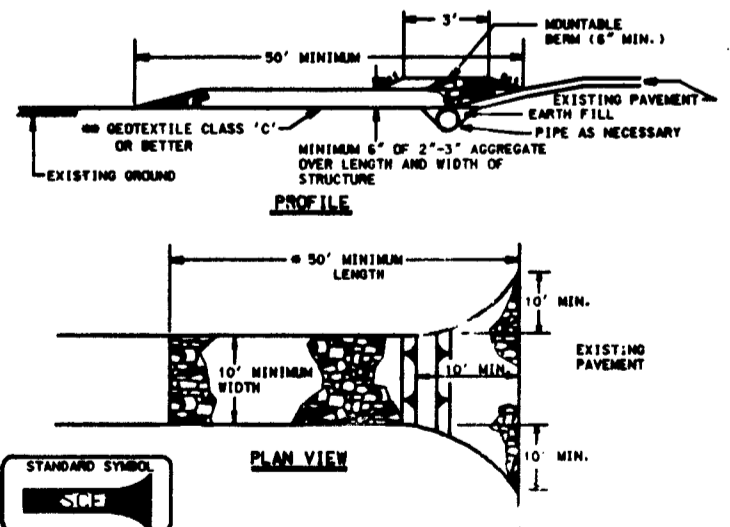
STANDARD SEDIMENT CONTROL NOTES

1. 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 (130-180B).
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES MUST BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND BE IN CONFORMANCE WITH THE MOST CURRENT "HANTYLAND" STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THERETO.
3. FOLLOWING WITHAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 30 CALENDAR DAYS FOR ALL PERMITS SEDIMENT CONTROL DIVISION. STRUCTURES, DICES, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3:1 IN 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BARRIERS SHOWN MUST BE PERMANENT AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 130-180 THE HOWARD COUNTY DESIGN DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE HANTYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SEC. 52, 53; TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING RATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

SITE ANALYSIS:
TOTAL AREA OF SITE: 1.34 AC.
AREA DISTURBED: 50 AC.
AREA TO BE ROOFED OR COVERED:
AREA TO BE VEGETATIVELY STABILIZED:
TOTAL CUT: 200 CU. YDS.
TOTAL FILL: 200 CU. YDS.
TOTAL VOLUMES: 0 YDS.

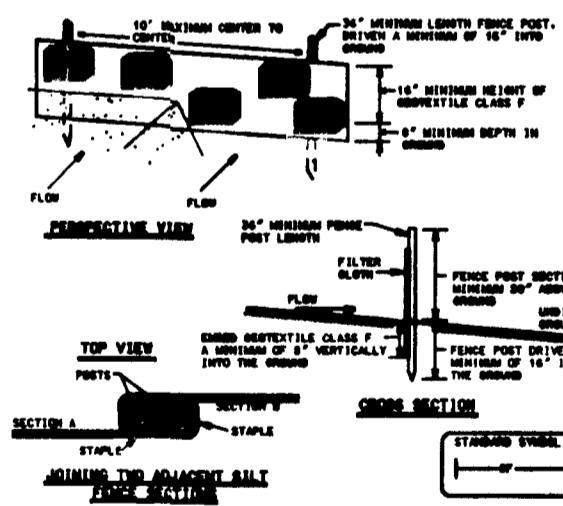
7. SEDIMENT CONTROL PRACTICE WHICH IS DETERMINED BY GRADING ACTIVITY FOR PLACEMENT OF MATERIAL MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
8. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
9. ON ALL SITES DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE OBTAINED UPON COMPLETION OF INSTALLATION OF PERMITS EROSION AND SEDIMENT CONTROL. NO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER THAN THAT AUTHORIZED BY THE INSPECTION AGENCY, SHALL BE AUTHORIZED UNTIL THE WRITTEN APPROVAL BY THE INSPECTION AGENCY IS MADE.
10. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



1. Length - minimum of 50' (40' for single real lane)
2. Width - 10' minimum, should be flared at the entrance to provide a turning radius.
3. Geotextile fabric (Class C) shall be placed over the existing ground prior to placing stone. Geotextile fabric may not be placed over any existing utility lines.
4. Stone - crushed aggregate (1/2\"/>

DETAIL 22 - SILT FENCE



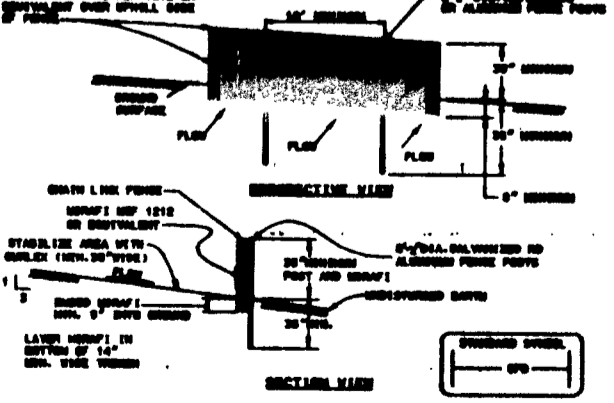
1. Fence posts shall be a minimum of 36\"/>
- 2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and bottom and shall meet the following requirements for Geotextile Class F:
Tensile Strength: 80 lb/in. (min.) Tensile Break: 1000 lb
Tensile Modulus: 30 lb/in. (min.) Tear: 100 lb
Filter Rate: 0.2 and 0.7 micron (max.) Tear: 100 lb
Filtering Efficiency: 70% (min.) Tear: 100 lb
- 3. Where ends of geotextile fabric meet together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- 4. Silt fence shall be inspected after each rainfall event and maintained when bypass occurs or when sediment accumulation reaches 50% of the fabric height.

Silt Fence Design Criteria

| Slope Steepness | (Maximum) Slope Length | (Maximum) Silt Fence Length |
|------------------|------------------------|-----------------------------|
| Flatter than 5:1 | unlimited | unlimited |
| 5:1 to 10:1 | 125 feet | 1,000 feet |
| 10:1 to 20:1 | 100 feet | 750 feet |
| 20:1 to 30:1 | 80 feet | 500 feet |
| 30:1 to 40:1 | 60 feet | 250 feet |
| 40:1 and steeper | 30 feet | 125 feet |

Note: A slope of less than 25:1 slope and sandy soils (USDA general classification: Sp, sm, ss) shall require a minimum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control.

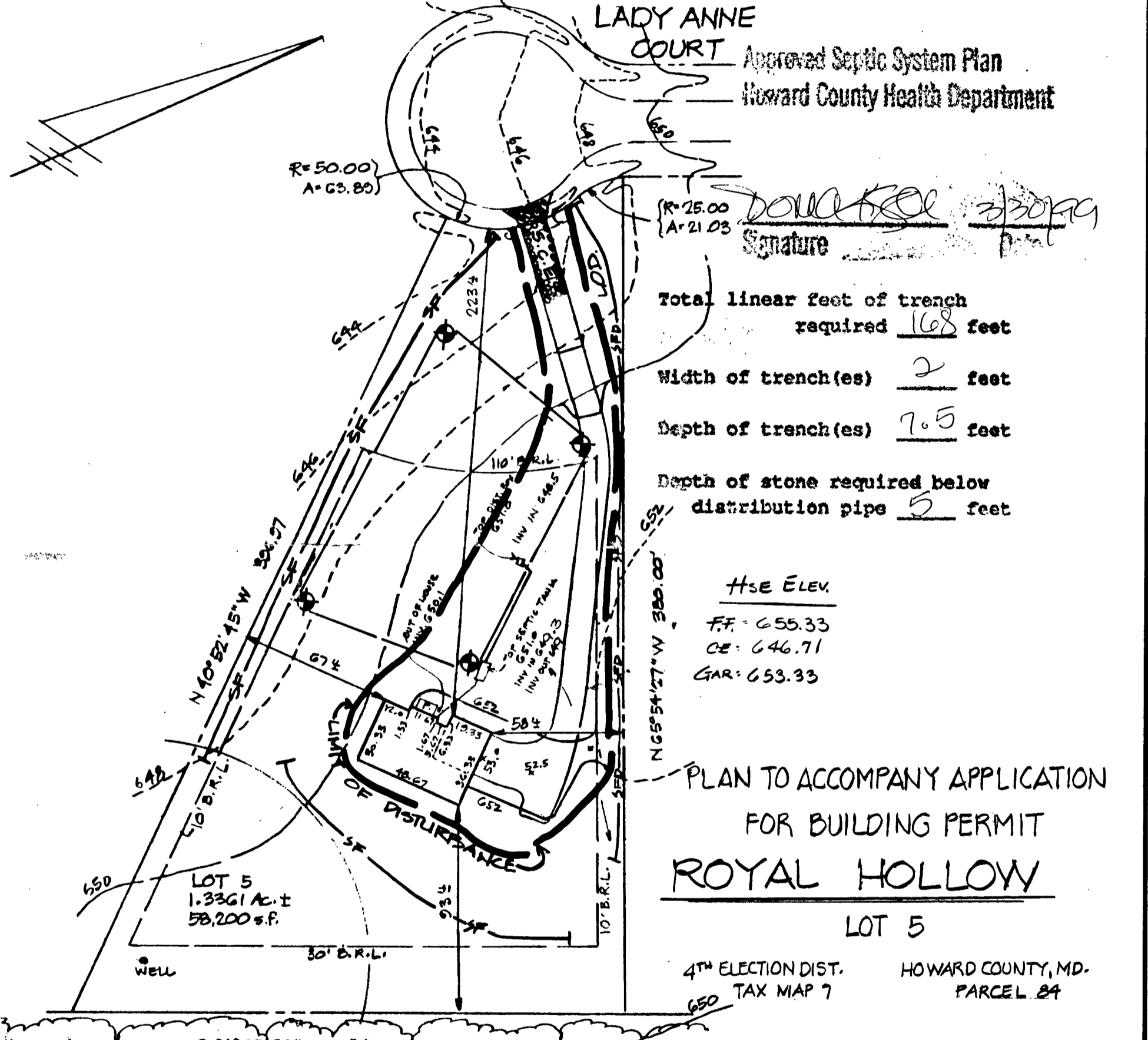
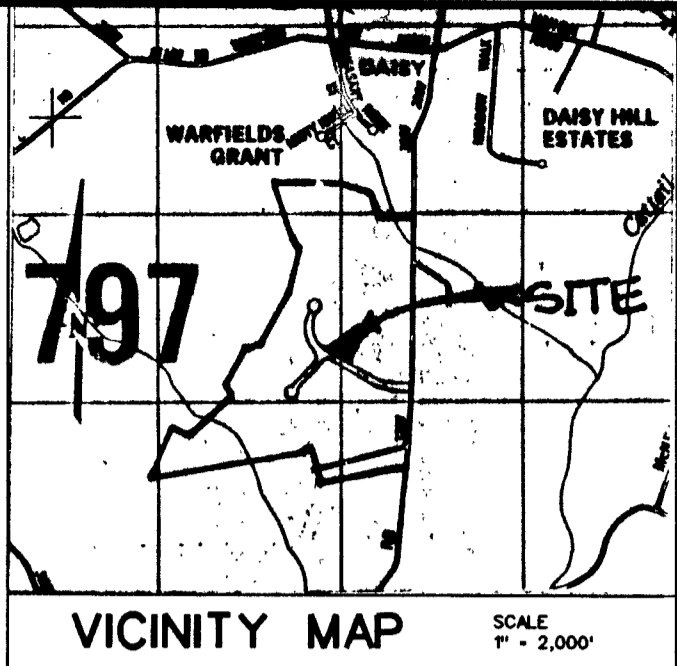
SUPER FENCE IN VERGION



1. Fencing shall be 48\"/>
- 2. Chain link fence to be fastened securely to the fence posts with wire ties or staples. The lower tension wire, brims and cross rails, drive cables and post caps are not required except at the ends of the fence.
- 3. Filter cloth shall be fastened securely to the chain link fence with the speed every 24\"/>
- 4. Filter cloth shall be embedded a minimum of 6\"/>
- 5. When two sections of filtration cloth adjoin each other, they shall be overlapped by 6\"/>
- 6. Intersections shall be performed as required.

GENERAL NOTES

1. SEPTIC EASEMENTS SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 655.33
B. BASEMENT ELEVATION: 646.71
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 650.1
D. INVERT AT SEPTIC TANK: 649.3
E. INVERT OUT AT SEPTIC TANK: 649.0
F. PROPOSED GRADE OVER SEPTIC TANK: 651
G. INVERT AT DISTRIBUTION BOX: 648.5
H. EXISTING GROUND OVER DISTRIBUTION BOX: 651.0
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. TOPOGRAPHY DERIVED FROM GRADING & STORM WATER MANAGEMENT PLAN BY VAN/MAR ASSOCIATES INC, APRIL 1996.



Approved Septic System Plan
Howard County Health Department
David H. [Signature] 3/30/99
Signature

Total linear feet of trench required 168 feet
Width of trench(es) 2 feet
Depth of trench(es) 7.5 feet
Depth of stone required below distribution pipe 5 feet

HSE ELEV.
FF: 655.33
CE: 646.71
GAR: 653.33

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT
ROYAL HOLLOW

LOT 5
4TH ELECTION DIST. HOWARD COUNTY, MD.
TAX MAP 7 PARCEL 84

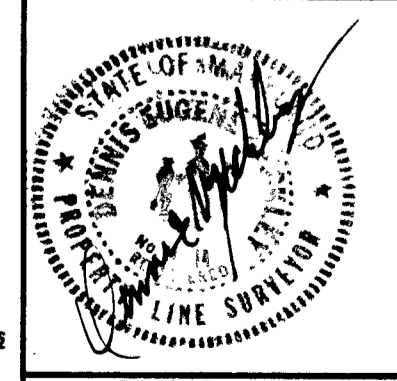
CAD Drawing File Name:

CLSI

Carroll Land Services Incorporated
Engineers * Surveyors * Land Development Consultants
Landscape Architects * Environmental Specialists

439 East Main Street Westminster, MD 21157-5539
(410) 876-2017 FAX (410) 876-0009

Surveyed By: _____ Drawn By: _____
Computed By: _____ Checked By: _____



Date: 3/12/99
Drawing No.: 98/09
County File No.: 6P-99-159

APPLICATION

PERCOLATION TESTING

A 499/86

P _____

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

DISTRICT _____

DATE 3/10/94

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 MISSLER FARM JOINT VENTURE c/o LDG INC. C/P HAMES, INC.

ADDRESS LEE PLAZA, SUITE 200 8601 GA. AVE. SILVER SPRING, MD PHONE (301) 585-7000

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION ROYAL HOLLOW LOT NO. 5

ROAD AND DESCRIPTION OLD FREDERICK RD. & WOODBINE RD.

(917 Lady Anne Court)

TAX MAP 7 PARCEL # 84

SIZE OF LOT 1 AC ± TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED
AND RETURNED 3-30-99
SFD - 4/Bron**

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. Indy's FOR VMA
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

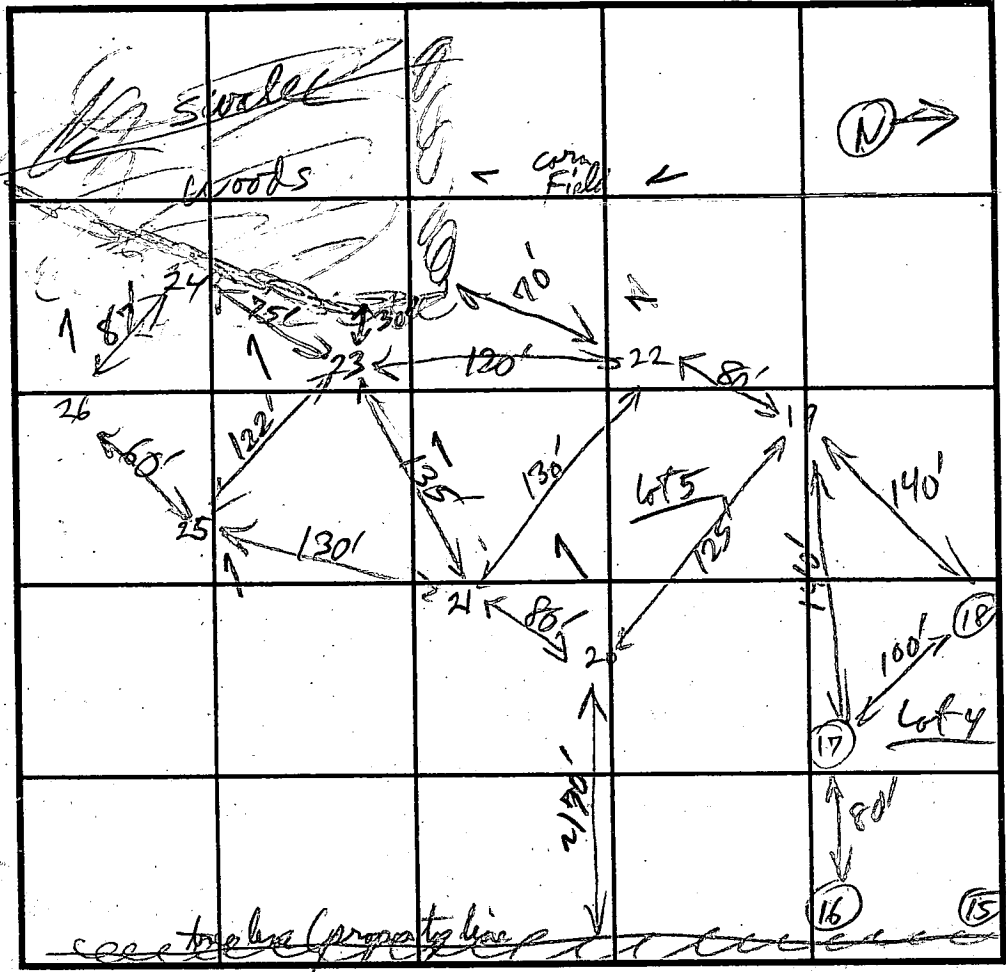
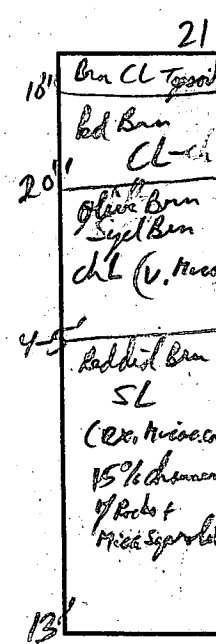
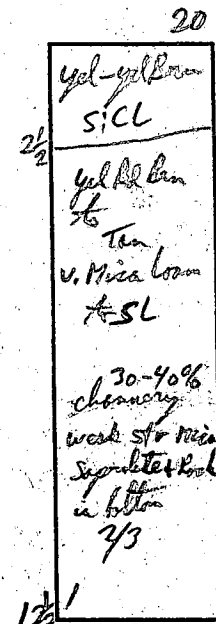
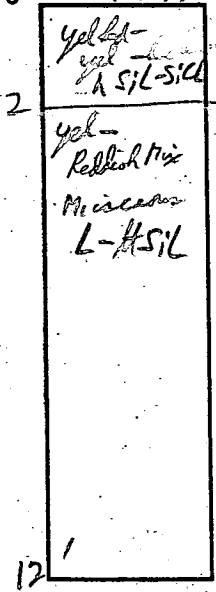
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

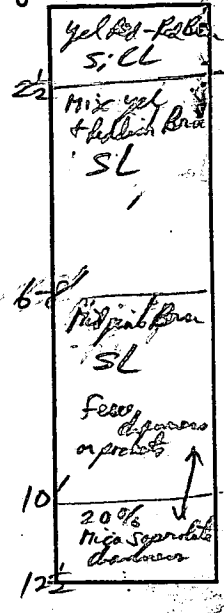
THIS IS NOT A PERMIT

Lot 5
 COUNTY # 499186

SOIL PROFILE 21 + 19



SOIL PROFILE 22



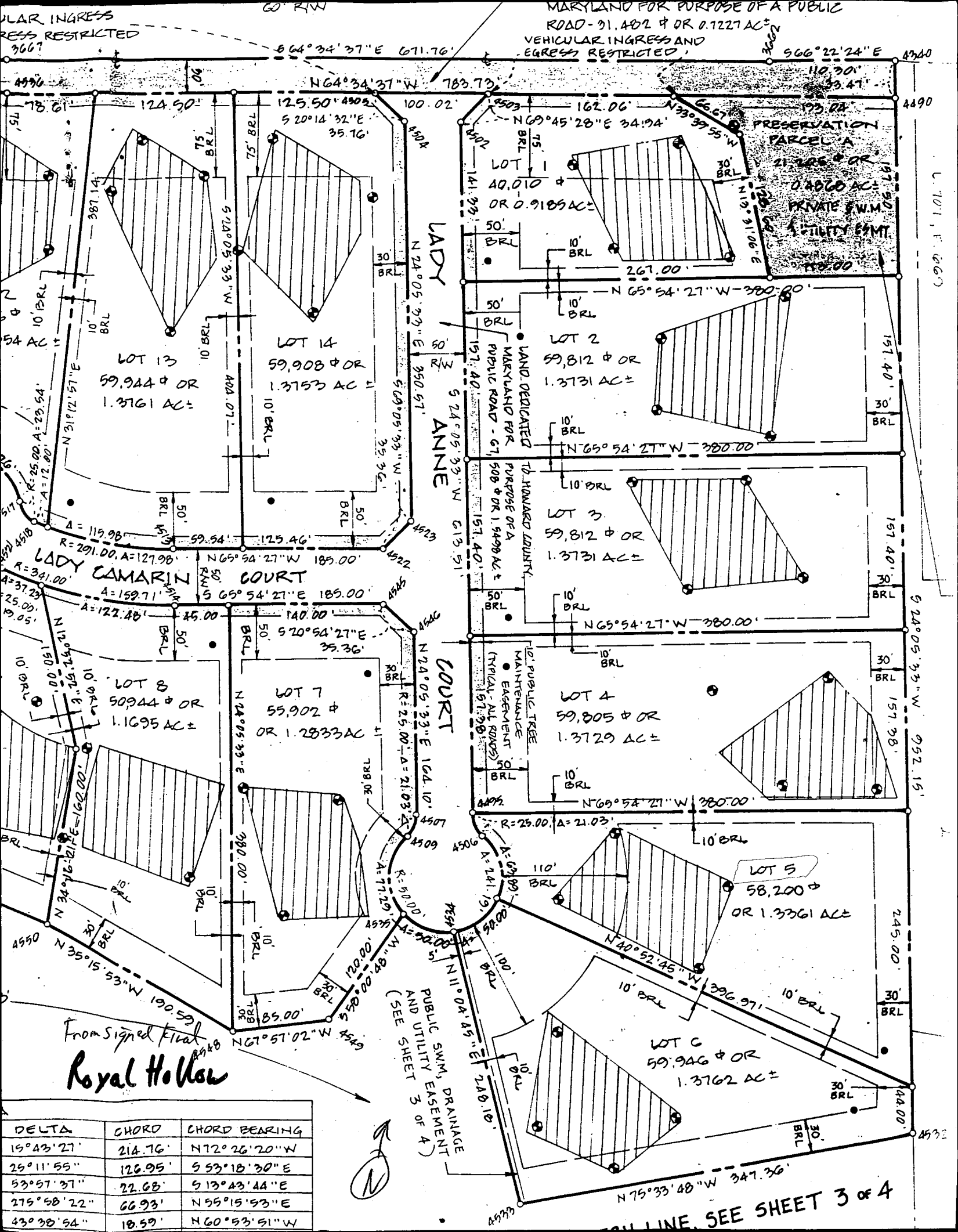
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

shed
 Garage
 well
 Neighbor's House

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|--------|----------|--------|---------|---------|----------------|---------|--------|
| | | | START | STOP | START | STOP | |
| 4-4-94 | 19 | 3' | 1:52:00 | 2:00 | 2:00:00 | 2:17:40 | 18 min |
| | | 8' | 1:52:00 | | Mixed | 2:00:00 | 4 min |
| | 20 | 3 1/2' | 3:11:00 | 3:14:00 | 3:14:00 | 3:20:40 | 7 min |
| | | 8' | 3:10:00 | 3:15:00 | 3:15:00 | 3:33:00 | 18 min |
| | 21 | 4' | 3:36:00 | 3:42:00 | 3:46:00 | 4:11:20 | 25 min |
| | | 8 1/2' | 3:37:00 | 3:43:00 | 3:43:40 | 3:53:40 | 10 min |
| | 22 | 3 1/2' | 3:23:30 | 3:31:00 | 3:31:00 | 3:39:00 | 8 min |
| | | 8' | 3:24:00 | 3:28:00 | 3:28:00 | 3:43:00 | 15 min |

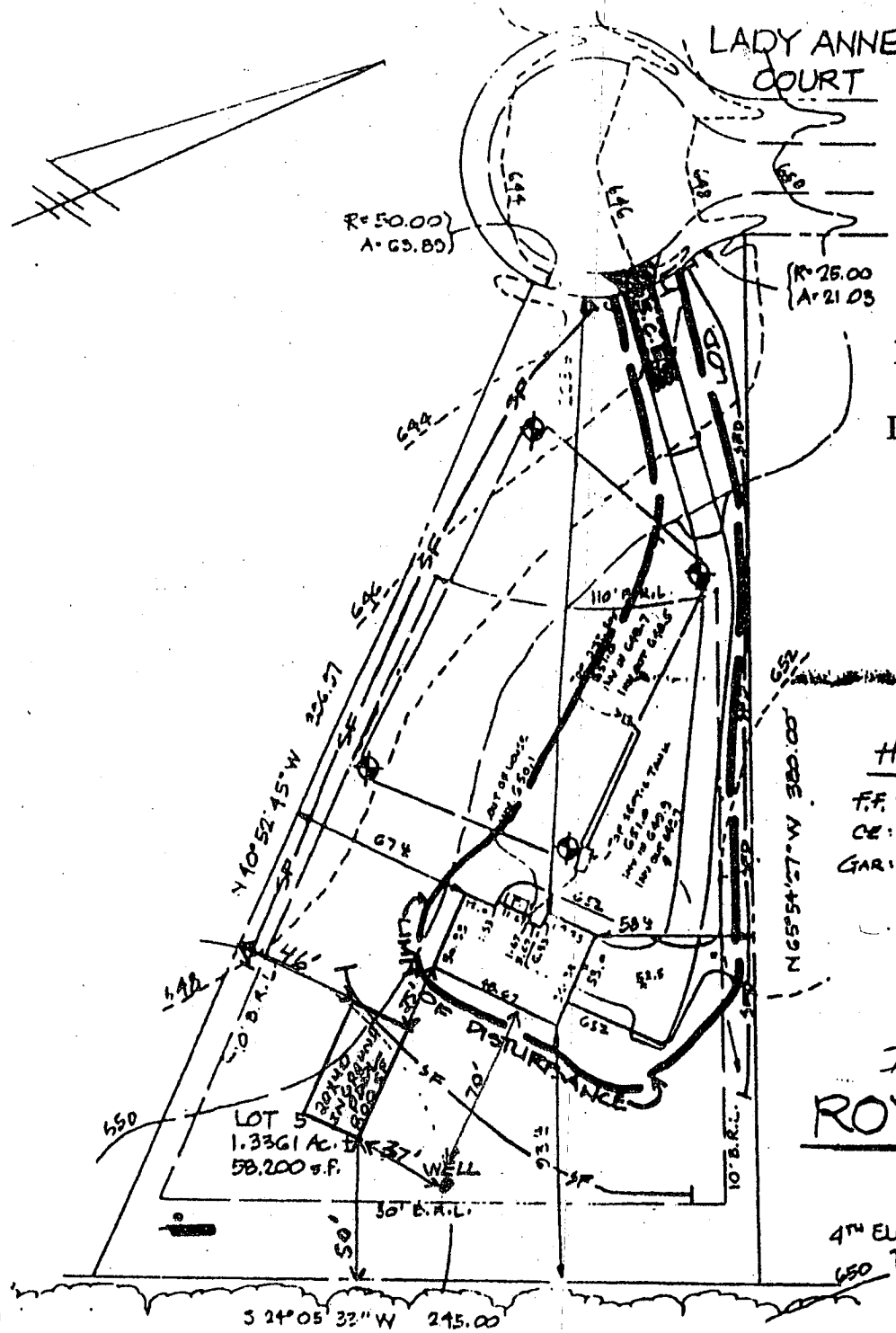
EST
 ←
 DST
 Red to
 Complete
 Test
 13'
 1105
 8
 28
 24

REMARKS _____
 TYPE OF SOIL Glenda
 TESTED BY Robert Wally ALSO PRESENT Raymond + Bud Arnold
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 14 min TRENCH WIDTH 2
 INLET DEPTH 2 1/2 MAXIMUM BOTTOM DEPTH 7 1/2 SQ. FT./BEDROOM 210



| DELTA | CHORD | CHORD BEARING |
|------------|---------|---------------|
| 19°43'27" | 214.76' | N72°26'20"W |
| 29°11'55" | 126.95' | S53°18'30"E |
| 53°57'37" | 22.68' | S13°43'44"E |
| 279°58'22" | 66.93' | N55°15'53"E |
| 43°38'54" | 18.59' | N60°53'51"W |

SEE SHEET 3 OF 4



APPROVED

WALK-THRU BUILDING PERMIT

BP# B00151313 A# 49918-6

APP. SAN P. Y. DATE: 11/04/04

DESC. OF WORK: inground pool

H±E Elev.

F.F. 655.33

CE 646.71

GAR 653.33

PROJECTED LOCATION OF
INGROUND POOL - 20X40

ROYAL HOLLOW

LOT 5

4TH ELECTION DIST.
TAX MAP 7

HOWARD COUNTY, MD.
PARCEL 84

917 LADY ANNE CT.

SCALE: 1" = 20' (AS SHOWN)
BY: [Signature]
DATE: [Date]

3 24° 05' 32" W 245.00