

LAYOUT 1/2/02 11:00 INSP 4 _____
 INSP 2 1/3/02 Am-Final INSP 5 _____
 INSP 3 _____ INSP 6 _____

00 05-405203

ISSUE DATE: 12/27/2001
 APPROVAL DATE: 1/3/02

PERMIT
INDEXED

P 516456-A
 A 36997

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

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER
 ADDRESS: 580 Obrecht Road, Sykesville PHONE NUMBER: 410-795-5670
 SUBDIVISION: The Chase LOT NUMBER: 20
 ADDRESS: 11660 Masters Run PROPERTY OWNER: Dennis Gleisher
 SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED
 PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED
 NUMBER OF BEDROOMS: 5
 SQUARE FEET PER BEDROOM: 180
 LINEAR FEET OF TRENCH REQUIRED: 300

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3.0 feet below original grade. 1.5 feet of stone below distribution pipe.
LOCATION:	Place the distribution box <u>500</u> feet down the left (800) lot line and <u>160</u> feet from the left lot line as seen when facing the lot from Masters Run. Run trenches on contour toward the left lot line <u>right lot line.</u>
NOTES:	<u>KEEP TRENCHES 7' ETE (10' TC)</u>

PLANS APPROVED: S. Krieg Steven R. Krieg ON SRH 12/19/01 DATE: ~~11/20/01~~ 11/20/01

- 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

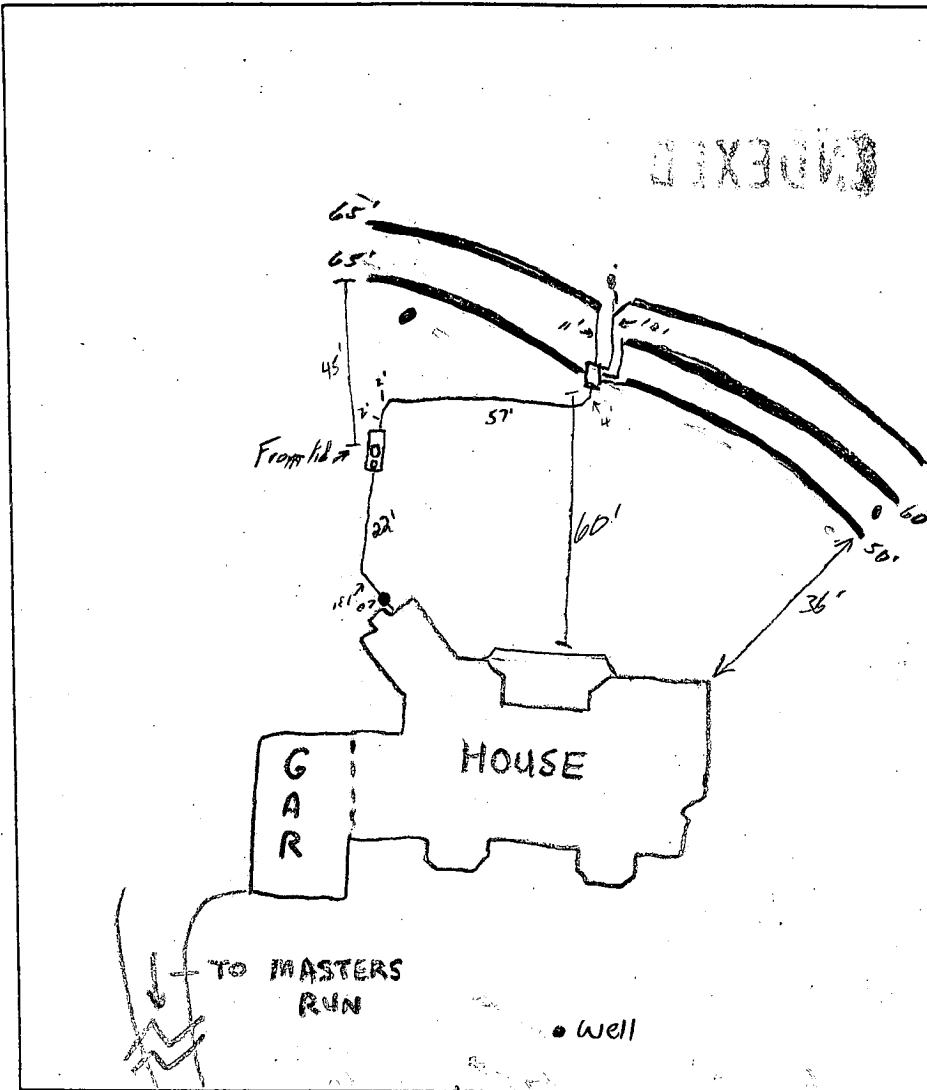
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

BUILDING PERMIT SIGNED AND RETURNED

5-23-02 800 136436 - IG POOL
 9-12-02 800 138938 - LP TANKS

A36997

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3'
 TRENCH INLET DEPTH 3'
 TRENCH BOTTOM DEPTH 4.5'
 DEPTH OF STONE 1.5'
 NUMBER OF TRENCHES 5'
 TOTAL TRENCH LENGTH 320'
 ABSORBENT AREA 960 #
 DISTRIBUTION BOX LEVEL YES
 BAFFLE IN DISTRIBUTION BOX YES

SEPTIC TANK DATA

SEPTIC TANK 1500 TS GALLONS
 MANHOLE RISER Center 28"
 6 INCH INSPECTION PORT Front

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS N/A
 MANHOLE RISER N/A
 ALARM _____
 PUMP PERFORMANCE TEST _____

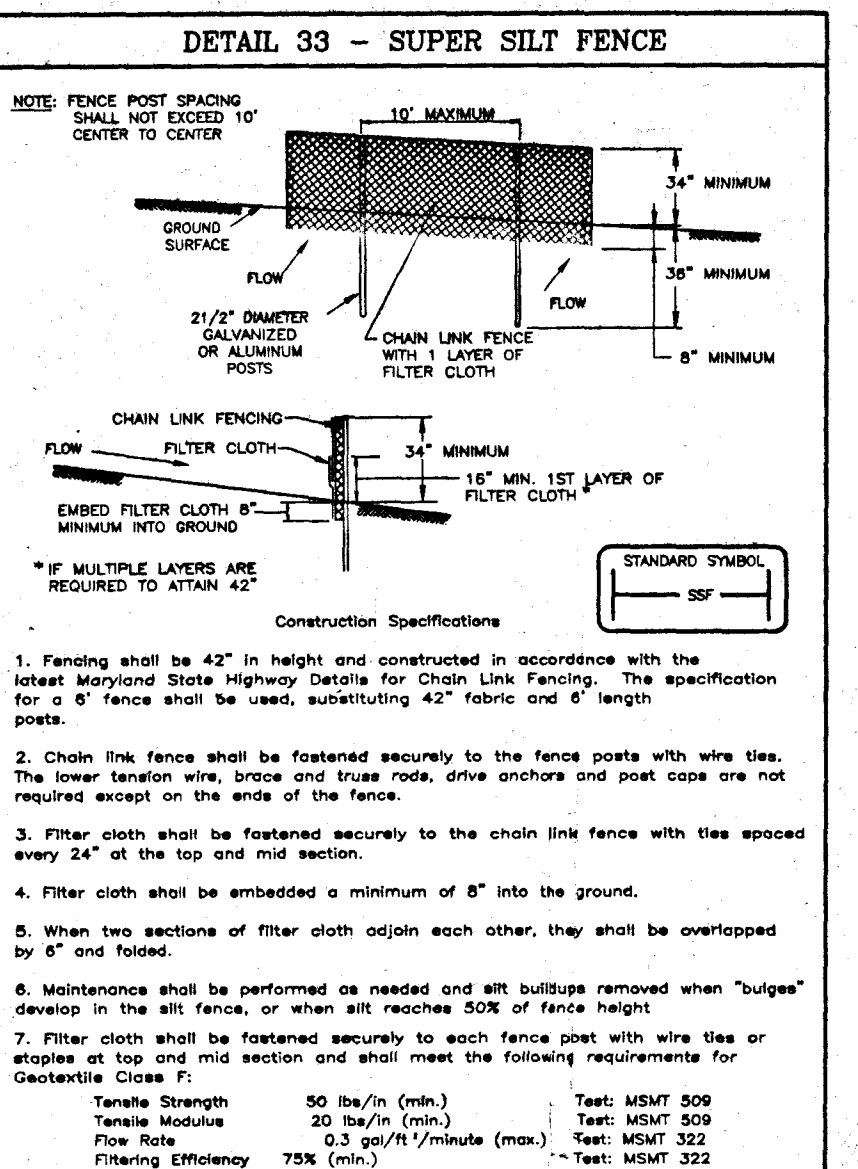
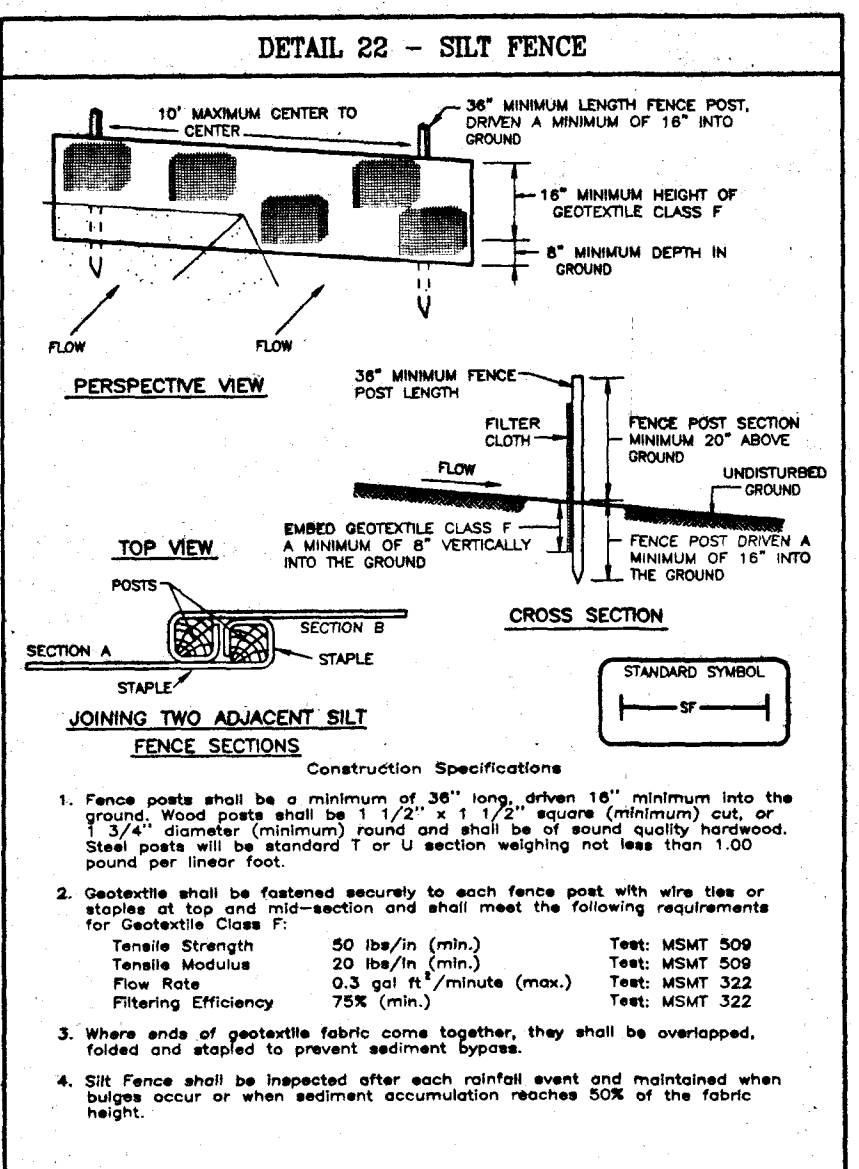
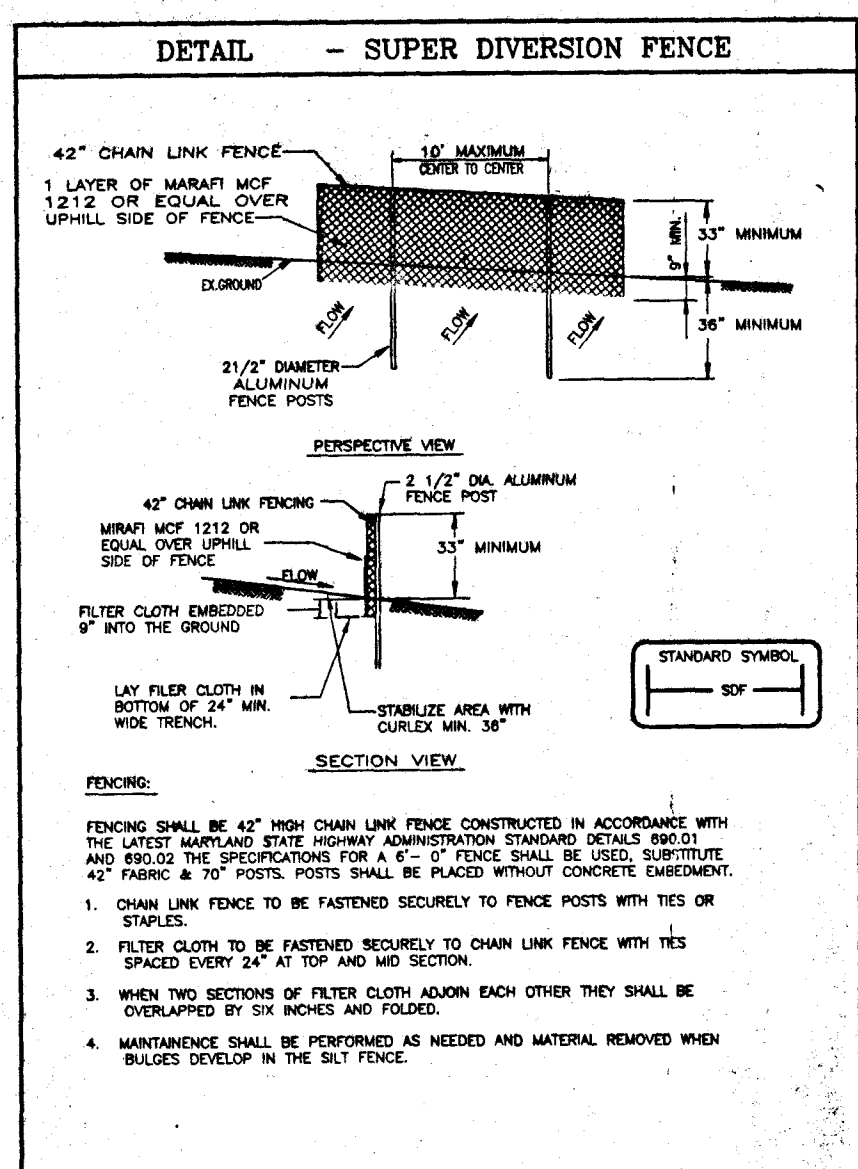
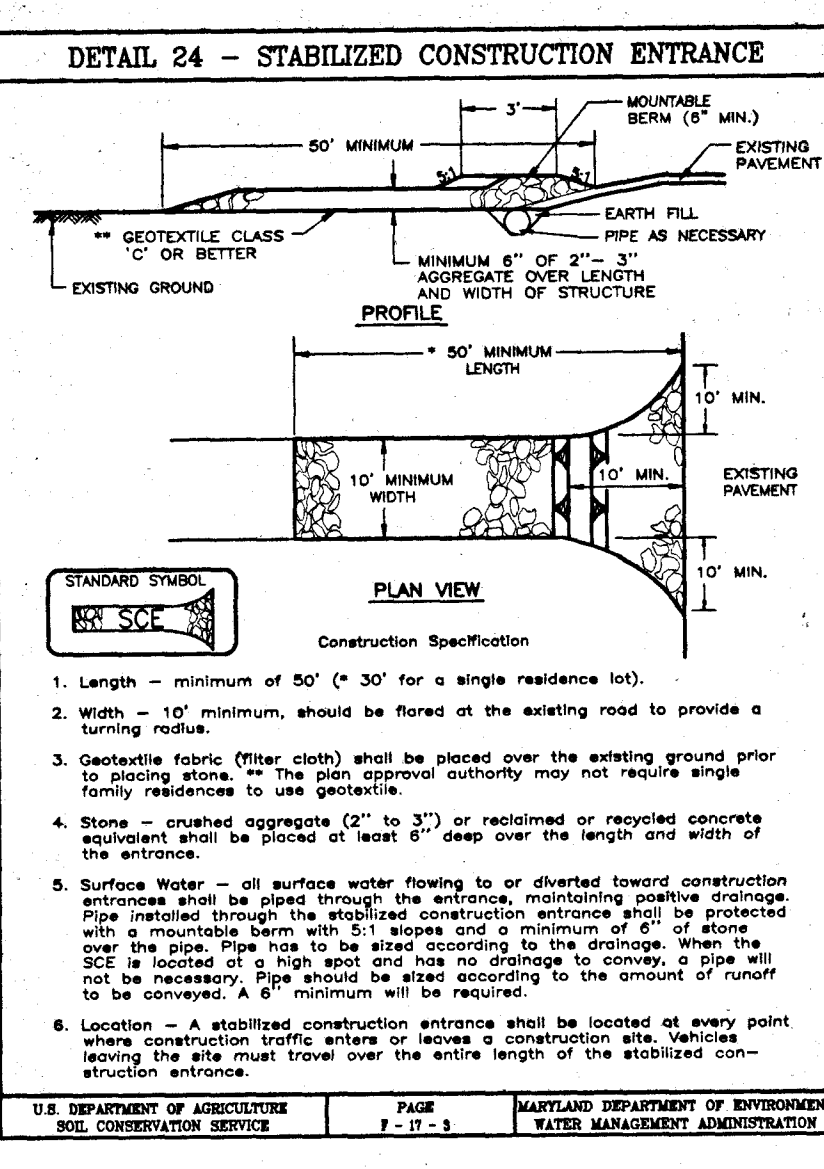
12/17/01

PRE-CONSTRUCTION INSPECTION: T/C W/BUILDER, OWNER MAY ELECT TO MOVE POOL BEHIND HOUSE FURTHER THAN SHOWN ON APPROVED BP PLAN, ALSO PLUMBING & TANK & D.BOX MAY BE INSTALLED WHERE SHOWN WHERE REVISED ON PLAN - SRW
 INSPECTION COMMENTS: 1/2/02 - INSTALL D. BOX IN CENTER AND RUN TRENCHES ON CONTOUR IN BOTH DIRECTIONS FOR "BETTER DISTRIBUTION", SDA STAKED; TANK LOCATION OK

(SRW/SO) 1/3/02 Contractor covered line from the house to the DB w/ stone to protect line from frozen ground. OK to cover all work. (SO)

INSPECTOR [Signature]

DATE SYSTEM APPROVED [Signature]
 BUILDING DEPARTMENT SIGNED AND RETURNED

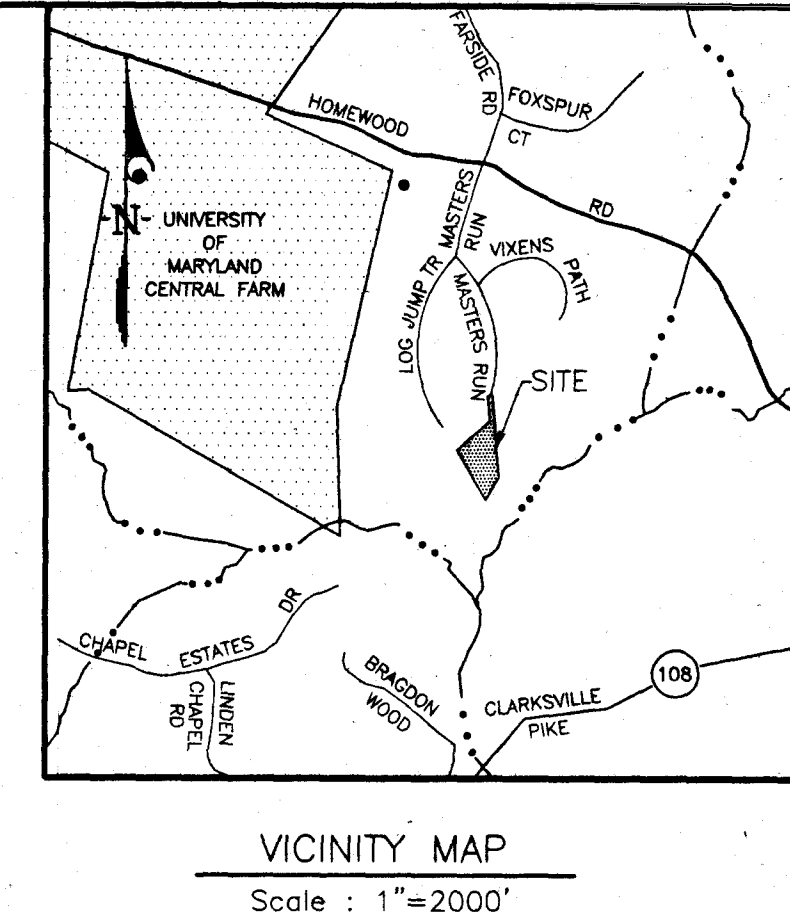


LEGEND

CONTOUR INTERVAL: 2 FT.
EXISTING CONTOUR: 348
PROPOSED CONTOUR: 344
DIRECTION OF DRAINAGE: (Arrow)
WALK OUT BASEMENT: (Symbol)
SPOT ELEVATION: (Symbol)
LIMIT OF DISTURBANCE: (Symbol)
SILT FENCE: (Symbol)
SUPER SILT FENCE: (Symbol)
LIMIT OF CLEARING: (Symbol)
STABILIZED CONSTRUCTION ENTRANCE: (Symbol)

Existing Trees To Remain

BENCHMARKS:
COORDINATES BASED ON NAD 27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HQ. CO. DEODETIC CONTROL STATIONS: 2937006, 2938001

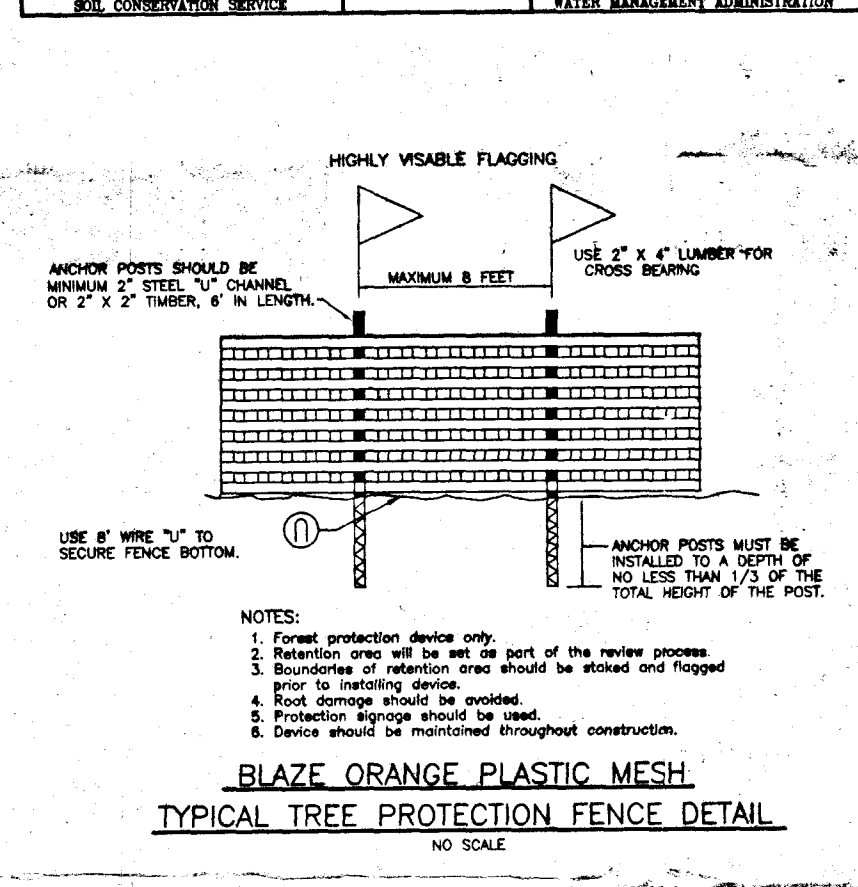
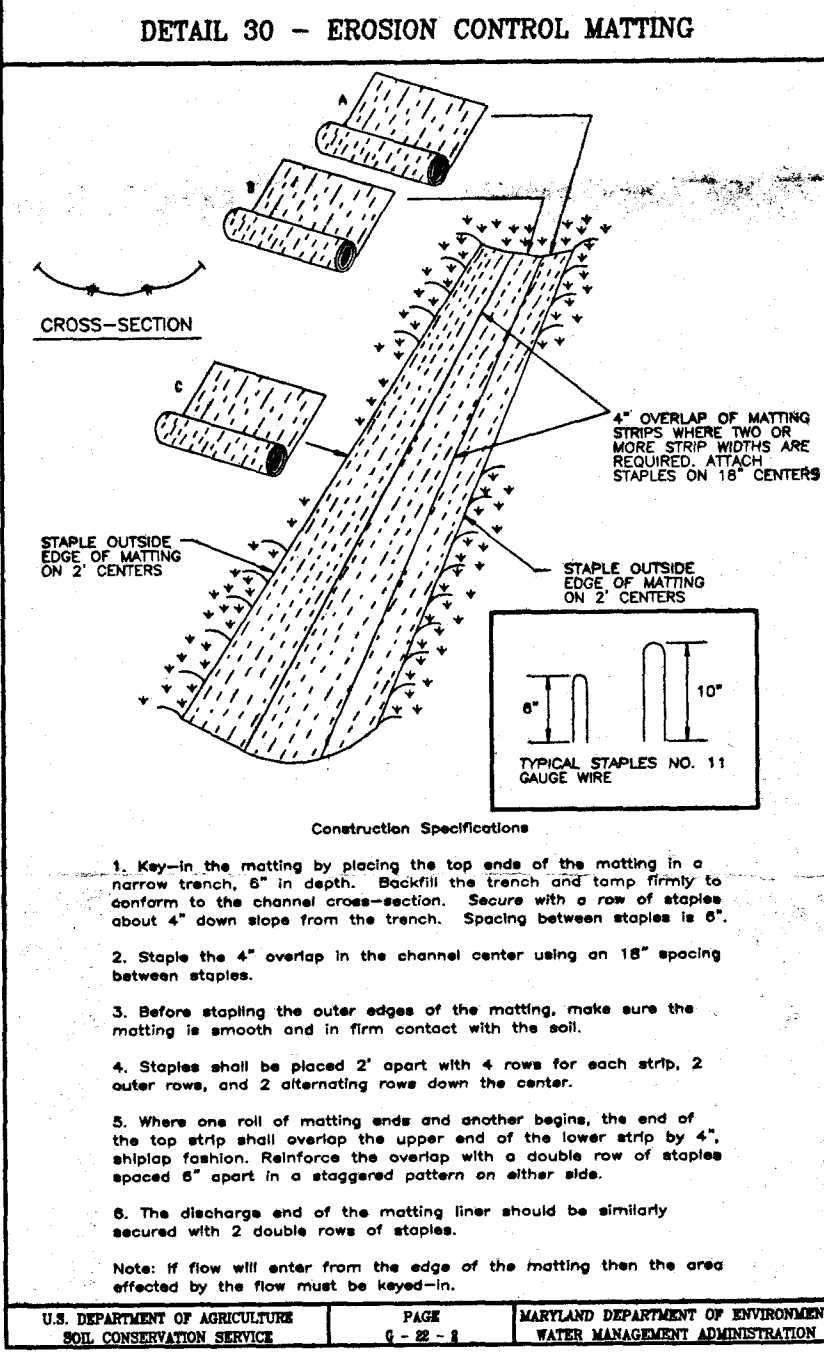


Approved Septic System Plan
Howard County Health Department

Steven R. King 1/20/01
Signature Date

GENERAL NOTES

- TOPOGRAPHY WAS TAKEN FROM HOWARD COUNTY G.I.S. TOPOGRAPHY MAPS.
- DISTURBED AREA: 2.90 AC±
- RECORDED PLAT NO. 7258 ON 6-19-87.



TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking 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 thru April 30, and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (3.2 lbs./1000 sq.ft.) For the period May 1 thru July 31, seed with 60 lbs. per acre of Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.5 lbs./1000 sq.ft.) of seeding legumes. During the period of October 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 sod.

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. Annor much immediately after application using much anchoring tool or 218 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.

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

PERMANENT SEEDING NOTES

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

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureamorph fertilizer (9 lbs./1000 sq.ft.)
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. per acre of Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.5 lbs./1000 sq.ft.) of seeding legumes. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre 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 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

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. Annor much immediately after application using much anchoring tool or 218 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 seeded areas and make needed repairs, replacements and reseedings.

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Definition:
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose:
To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies:

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization strategy on the plan.

Construction and Material Specifications:

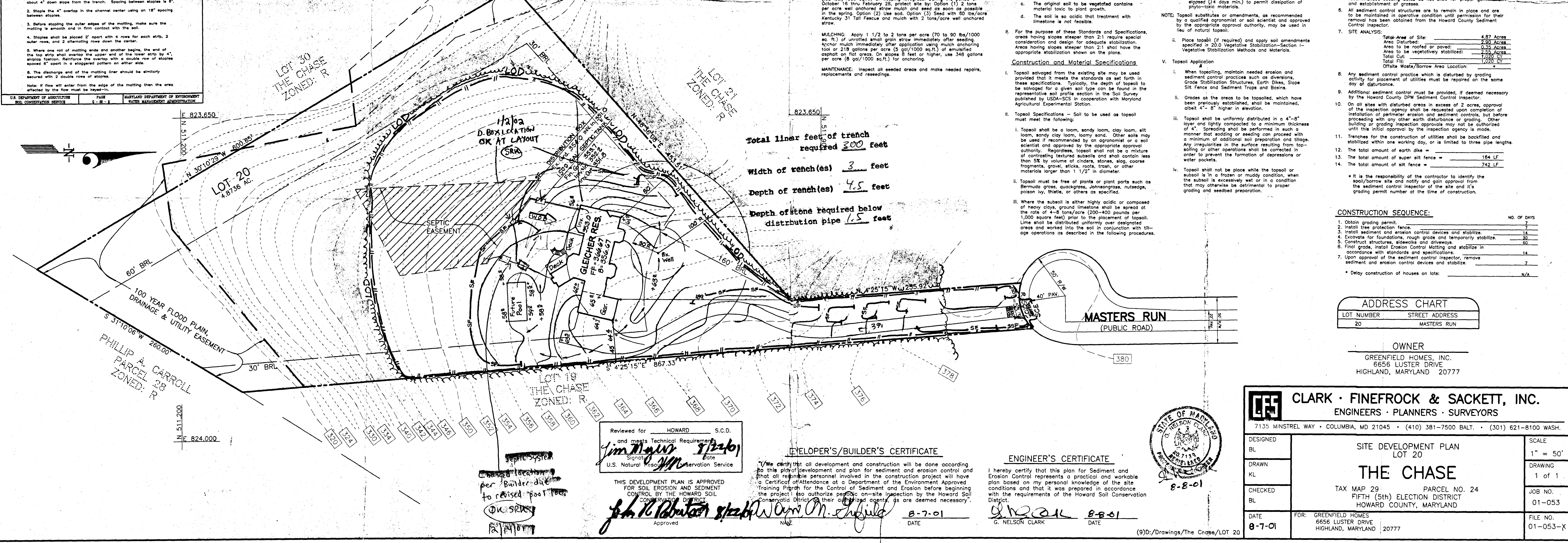
- Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, stumps, roots, trash, or other materials larger than 1 1/2" in diameter.
 - Where the subsoil is either highly acidic or composed of heavy clays, quackgrass, johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 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.

SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Section 7, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage, (313-1655).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
- Following initial soil disturbance or readjustment, permanent or temporary stabilization shall be completed within:
 - 3 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1
 - 14 days for all other disturbed or graded areas on the project site.
- 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 seedings, sod, temporary seeding and mulching (Sec. 6).
- Temporary stabilization with mulch alone can only be done when recommended seeding rates must occur 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:	4.87 Acres
Area Disturbed:	2.90 Acres
Area to be seeded or paved:	0.35 Acres
Area to be vegetatively stabilized:	2.55 Acres
Total Fill:	1,000 cu. yd.
Total Erosion:	1,000 cu. yd.
Offsite Waste/Borrow Area Location:	
- Any sediment control practice which is disturbed by grading activity for placement of topsoil must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector, but before proceeding with any other earth disturbance or grading. Other grading or grading inspection approvals may not be authorized until the initial approval by the inspection agency is made.
- Trenches for the construction of utilities shall be backfilled and stabilized within one working day, or is limited to three pipe lengths.
- The total amount of silt dikes = 164 LF
- The total amount of super silt fence = 742 LF
- The total amount of silt fence = 742 LF

* It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.



**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Gartland Plumbing Telephone #: 410-875-5303
Address: 11620 W. Old Liberty Rd
Sykesville, Md 21784

(Must circle one) (Licensed Plumber) Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): J. Joseph Gartland License# 6352

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Dennis Gleicher Telephone #: 410-531-5169
Subdivision: The Chase II Lot #: 20 Well Tag #: HO-81-2346
Site Address: 11660 Masters Run
Ellicott City, Md 21042

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Goulds</u>	Make: <u>ATF</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>76507</u>	Model #: <u>P100LT</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>7</u> GPM	Depth: <u>4'</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>5.6</u> GPM	NSF approved: <u>Yes</u>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>130</u> (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt Yes

<u>Piping to house</u>	<u>House Connection</u>	} Sleeve under footer
Type: <u>Poly</u>	PVC sleeved to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>	
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: _____	
Depth of supply line: <u>48</u> (36" min)	Sleeve caulked and sealed properly: <input checked="" type="checkbox"/>	

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: _____ date: 3-5-02

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 12/11/01 Date Insp. Approved: 12/11/01 (50) SRK
 Inspection Data: Pitless adapter and water supply line at least 26" below grade
 Two piece cap installed and attached to casing securely
 Elec. conduit extends at least 18" below grade/attached to cap properly
 Safety rope installed inside of well casing
 Correct well tag attached properly and casing 8" above finished grade
 Water supply line sleeved adequately at house connection
 Adequate grout observed below pitless adapter

C1 1947
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN
 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER **A-36997**

DATE RECEIVED [] [] [] [] [] [] [] []
 DATE WELL COMPLETED **10/14/87**
 DEPTH OF WELL **185** (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-81-2376**

OWNER **Eleches Dennis**
 last name first name
 STREET OR RFD **Masters Run** TOWN **CLARKSVILLE**
 SUBDIVISION **THE CHASE** SECTION [] LOT **20**

WELL LOG
 Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
SAND	0	37	
Gray mica rock	37	185	<input checked="" type="checkbox"/>

OK

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **4** NO. OF POUNDS **103**
 GALLONS OF WATER **66**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **35** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO**
 STEEL CONCRETE
PL **OT**
 PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter **6** Total depth of main casing **43**
 top (main) casing (nearest inch) (nearest foot)

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

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

C2
 DEPTH (nearest ft.)
 EACH SCREEN **HO** **40** **185**
 8 9 11 15 17 21
 23 24 26 30 32 36
 38 39 41 45 47 51

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

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "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 IDENT. NO. **2318**
Joseph H. Mayne

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

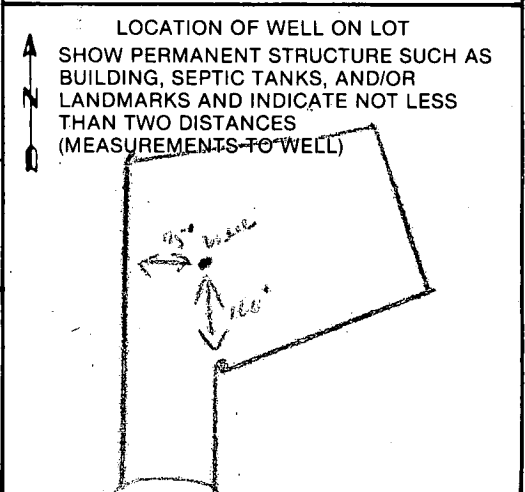
SLOT SIZE 1 [] 2 [] 3 []
 DIAMETER OF SCREEN [] (NEAREST INCH)
 from [] to []

GRAVEL PACK [] IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) [] WQ [] [] [] []
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **10**
 METHOD USED TO MEASURE PUMPING RATE **bucket**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **41**
 WHEN PUMPING **43**
 TYPE OF PUMP USED (for test)
A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
J jet **S** submersible

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES NO
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: []
 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 } LAND SURFACE **3**
 - below } (nearest foot) **3**



Masters Run

B 7 9320

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

40-81-2346

fill in this form completely

Date Received

090887

OWNER INFORMATION

CLERICHEs, DENNIS

12223 Mt. ALBERT RD

ELLICOTT CITY MD 21043

B 3

LOCATION OF WELL

HOWARD COUNTY

THE CHASE SUBDIVISION

SECTION LOT 20

CLARKSVILLE NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) 3 MI

DRILLER INFORMATION

Joseph L. Wayne 238 License No. 80

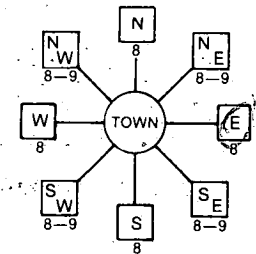
Joseph L. Wayne Well Drilling

5512 Ridge Rd. Mt. Airy, Md. 21771

Joseph L. Wayne 9/7/87

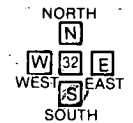
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Masters Run NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



435 DISTANCE FROM ROAD

ENTER FT or MI FT

B 2

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME

(A 36,997) COUNTY NO.

OEP SIGNATURE DATE ISSUED

100687 Submitted 04-05-88

NORTH GRID 000 EAST GRID 0823000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

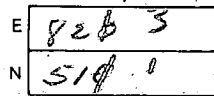
METHOD OF DRILLING (circle one)

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. WELL

WRITE THE BOX NUMBER FROM THE MAP HERE



10-14-87 Location ok
43 ft casing
35 ft open hole
11 bags cement
2-3 ft above ground
well
JENadeau

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEN AN EXISTING WELL

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

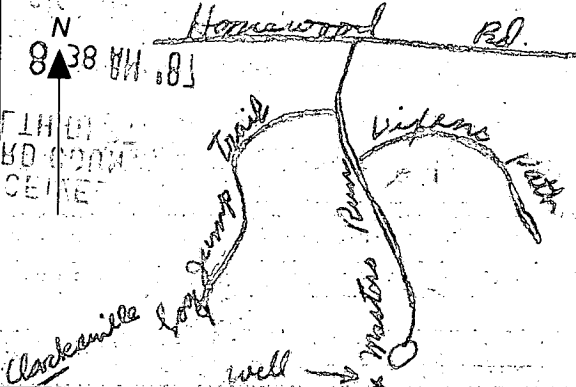
Not to be filled in by driller. (OEP USE ONLY)

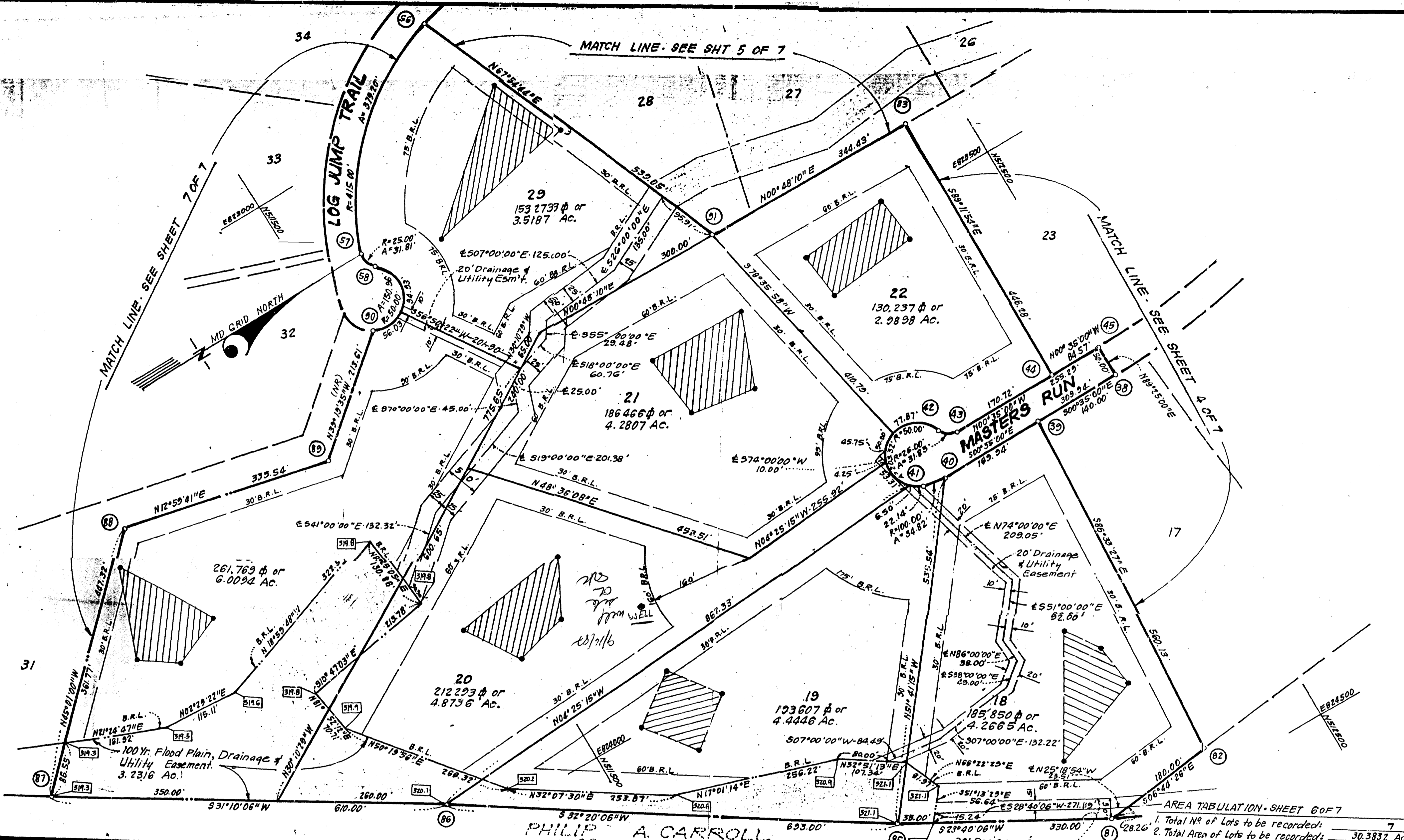
APPROX. PERMIT NUMBER GAP

FORCE SA WRITE INITIALS IN BOX PERMIT No. 40-81-2346

SPECIAL CONDITIONS

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





PHILIP A. CARROLL
L. 93 F. 229

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF WATER & SEWERAGE FOR HOWARD CO.

[Signature] 6-12-87
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING.

[Signature] 6-16-87
DIRECTOR DATE

APPROVED: FOR PRIVATE WATER, PRIVATE SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPT. OF PUBLIC WORKS.

[Signature] 6-1-87
DIRECTOR DATE

OWNER'S DEDICATION
We, Howard Estate Development Corporation, a Maryland Corporation, owners of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this Final Plat by the office of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns: (1) the right to lay, construct and maintain sewers, drains, water pipes, and other municipal utilities and services, in and under all roads and street right-of-ways and the specific easement areas shown hereon; (2) the right to require dedication for public use the beds of the streets and/or roads and flood plains, and open space where applicable, and for good and other valuable consideration, hereby grant the right and option to Howard County to acquire the fee simple title to the beds of the streets and/or roads and flood plains, storm drainage facilities and open space easements for the specific purpose of their construction, repair, and maintenance and (4) that no building or similar structure of any kind shall be erected on or over the said easements and rights-of-way.
Witness our hands this 12 day of Dec. 1986

[Signature] J. THOMAS SCRIVNER, PRES.
[Signature] HARRY LUNDY, JR. VICE PRES.
[Signature] WITNESS

SURVEYOR'S CERTIFICATION

I hereby certify that the Final Plat shown hereon is correct; that it is a subdivision of all of the land conveyed from Wayback Corporation to Wright Family Corporation, by a deed dated December 9, 1986 and recorded among the Land Records of Howard County, Maryland in Liber 1568 at Folio 243; Wright Family Corporation is now Howard Estate Development Corporation, by Articles of Merger dated December 16, 1986 and filed with the State Department of Assessments and Taxation of Maryland; and that all monuments are in place, or will be in place, prior to acceptance of the streets in the subdivision by Howard County as shown in accordance with the Annotated Code of Maryland as amended.

Dec. 18, 1986
DATE
[Signature]
DONALD B. SACKETT
Registered Land Surveyor
Md. No. 6059

AREA TABULATION - SHEET 6 OF 7

1. Total No. of Lots to be recorded:	7
2. Total Area of Lots to be recorded:	30.3832 Ac.
3. Total Area of Road R/W to be recorded:	0.5160 Ac.
4. Total Area of Subdivision to be recorded:	30.8992 Ac.

RECORDED AS PLAT 1263
ON 6/19/87, AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

THE CHASE
LOTS 1 THRU 48

SHEET 6 OF 7
TAX MAP NO. 29 TAX MAP PARCEL NO. 24
5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1"=100'
JANUARY 15,

CLARK, FINEFROCK & SACKETT, INC.
ENGINEERS, PLANNERS, SURVEYORS
7135 MINSTREL WAY
COLUMBIA, MARYLAND 21

F-87-108

APPLICATION

PERCOLATION TESTING

A 36997

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

P _____
DISTRICT 5

DATE 5/15/86

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Wayback Corporation

ADDRESS P.O. Box 1018, Columbia, MD. 21044 PHONE 997-8800

PROSPECTIVE BUYER NONE

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION The Chase - formerly The Paddock LOT NO. 20 *Prelim (FNA)*

ROAD AND DESCRIPTION Homewood Road

TAX MAP 29 PARCEL # 24

SIZE OF LOT 3 acres TYPE BLDG. S.F.D.
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

[Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY Sidney Abel FOR Shallow tile field DATE 1-6-87

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 6/27/86 Perc Satisfactory - Shallow Syst only S&H&P
HOLD For Subdivision RAT. SA.

THIS IS NOT A PERMIT

SOIL PROFILE

0
4 1/2'
2'
15'

③
②
①

A-3
Yellow Br
Slight SRA
< 9% CLAY
10% FRAGS

SPONGE BR
SAND LOAM
Slightly
micaceous
< 10%
FRAGMENTS

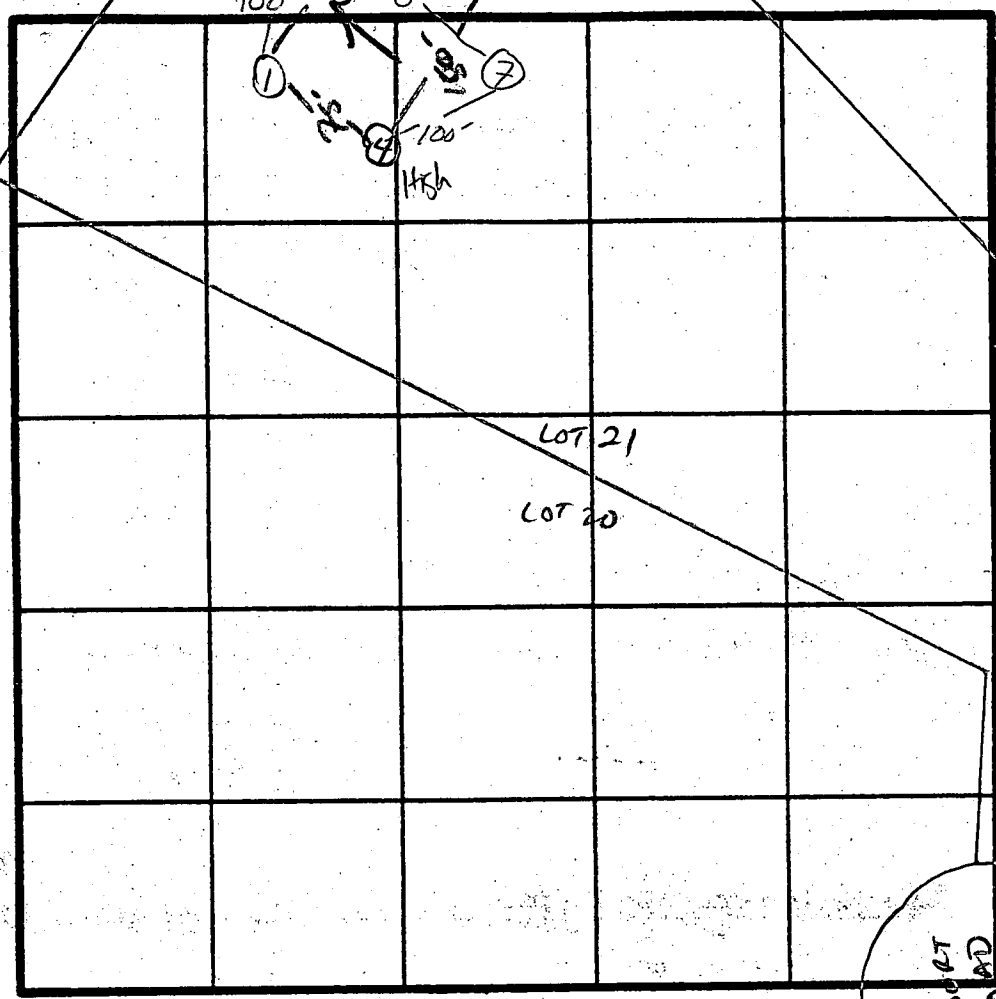
▽ HOLE #3

0
4 1/2'
3'

⑥

A-3
Yellow Br
VERY GRAVELLY
SAND LOAM
< 9% CLAY
40% FRAGS

Yellow Br
SAND LOAM
20%
FRAGMENTS



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↓ HomeWOODS Rd.

̄ Perc
2min
INLET
3.0'
BOTTOM
4.5'

Φ 1/8"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME		
			START	STOP	START	STOP			
6/27/86	4 ✓	3'	11:19	11:20	11:20	11:22	2min	✓	
	1 ✓	15'	UNIFORM SOIL BELOW 2'						
	5 ✓	3'	11:24	11:25	11:25	11:27	2min	✓	
	1 ✓	14'	SAME AS HOLE # 1						
	2 ✓	14'	SAME AS HOLE # 4 + 1						✓
	3 ✓	3'	11:28	11:29	11:29	11:31	2min		
	2 ✓	14'	SAME AS OTHER HOLES						
	3 ✓	3'	11:34	11:35	11:35	11:37	2min		
	1 ✓	16'	WATER AT 15" UNIFORM BELOW 2'						
7/1/86	6 ✓	3.5'	11:24	11:25	11:25	11:26	1min	✓	
	7 ✓	13'	UNIFORM SOIL BELOW 4'						
	7 ✓	4'	11:29	11:30	11:30	11:32	2min	✓	
		13'							

REMARKS: HOLES PER PLAT / SHALLOW SYST. ONLY

TYPE OF SOIL: MEDIUM LOAM

S. Abel

Jeffrey AUB, WARD

APPLICATION

PERCOLATION TESTING

A 36997

P _____

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

DISTRICT 5

DATE 5/15/86

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Wayback Corporation

ADDRESS P.O. Box 1018, Columbia, MD. 21044 PHONE 997-8800

PROSPECTIVE BUYER NONE

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION The Chase - formerly The Paddock LOT NO. 29 Prelim 2120

ROAD AND DESCRIPTION Homewood Road

TAX MAP 29 PARCEL # 24

SIZE OF LOT 3 acres TYPE BLDG. S.F.D.
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.


(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

SOIL PROFILE

0'

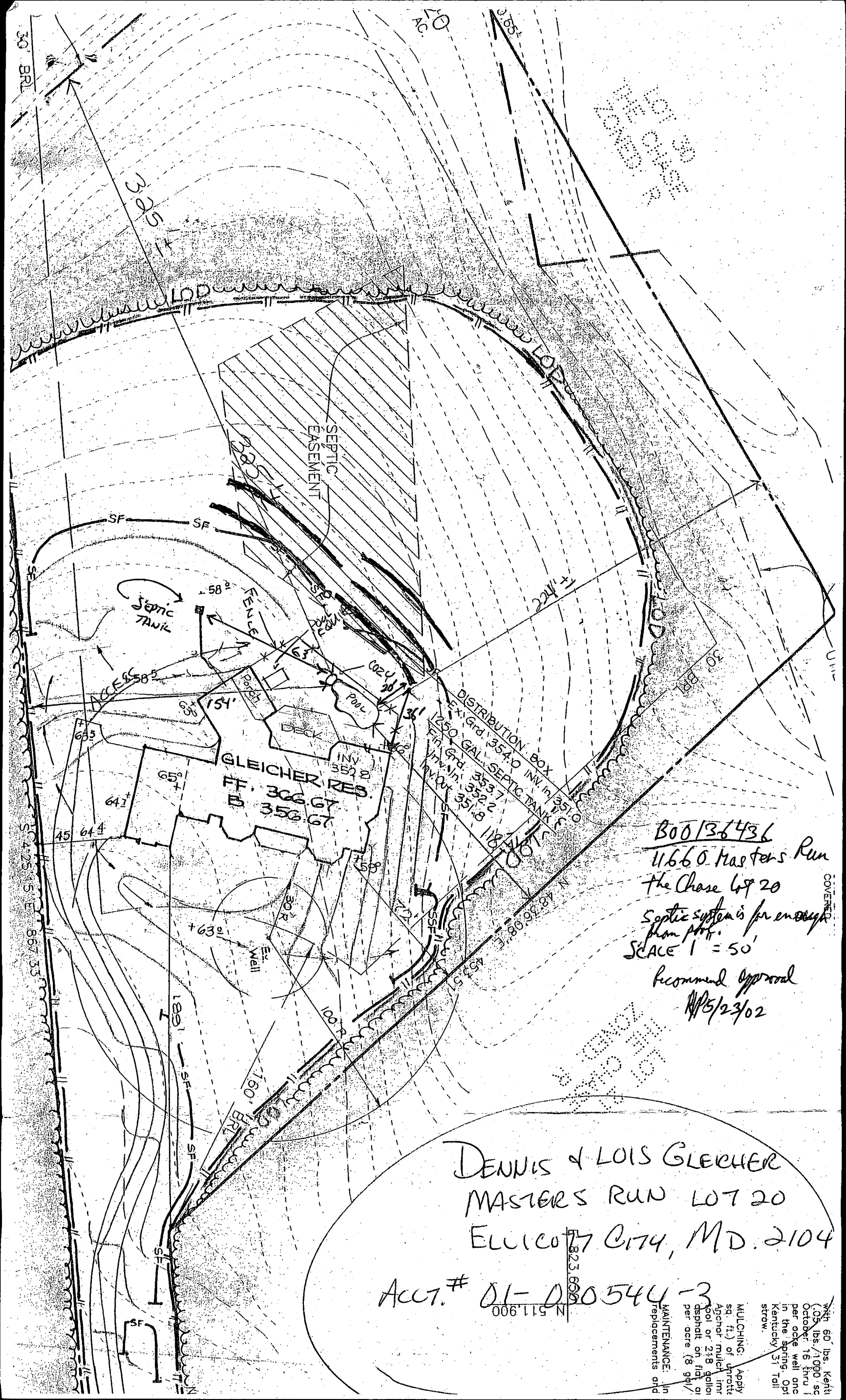
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS _____

TYPE OF SOIL _____

EH-12-1079

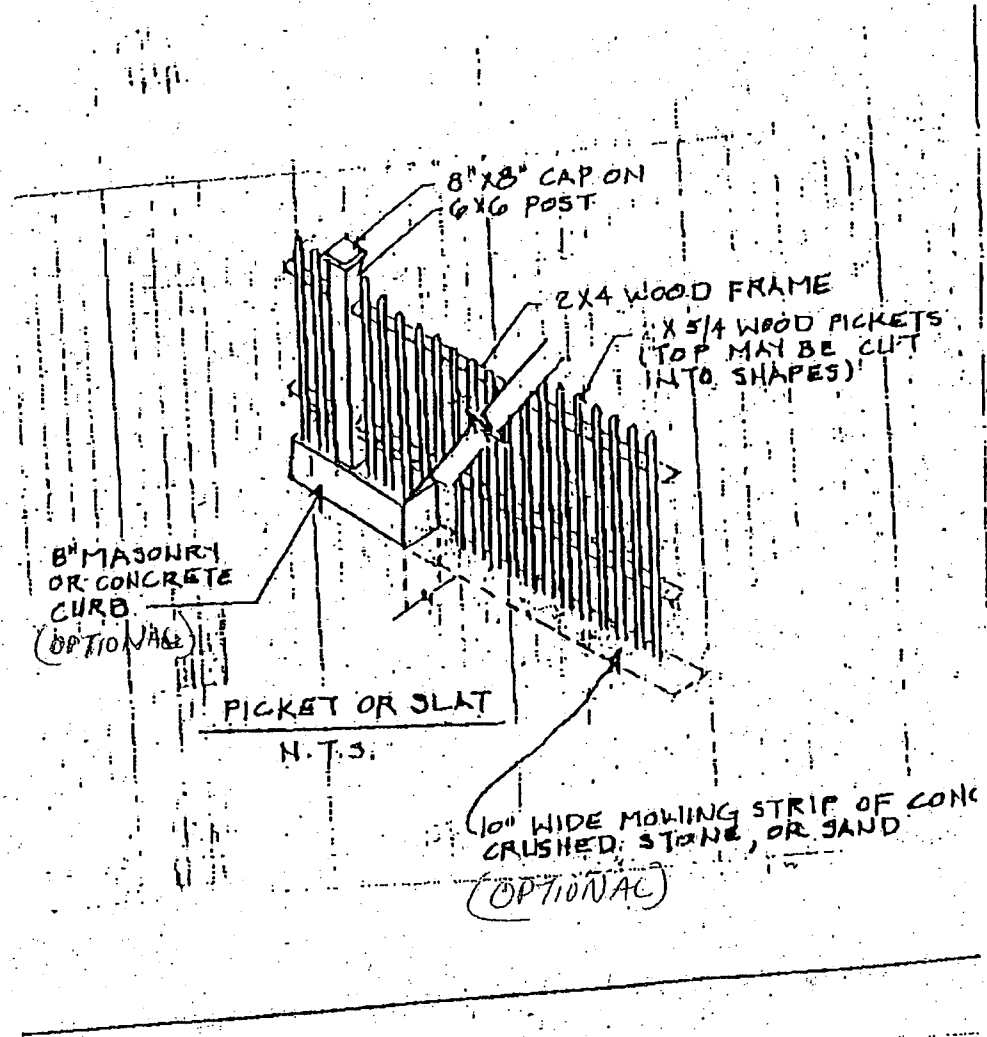


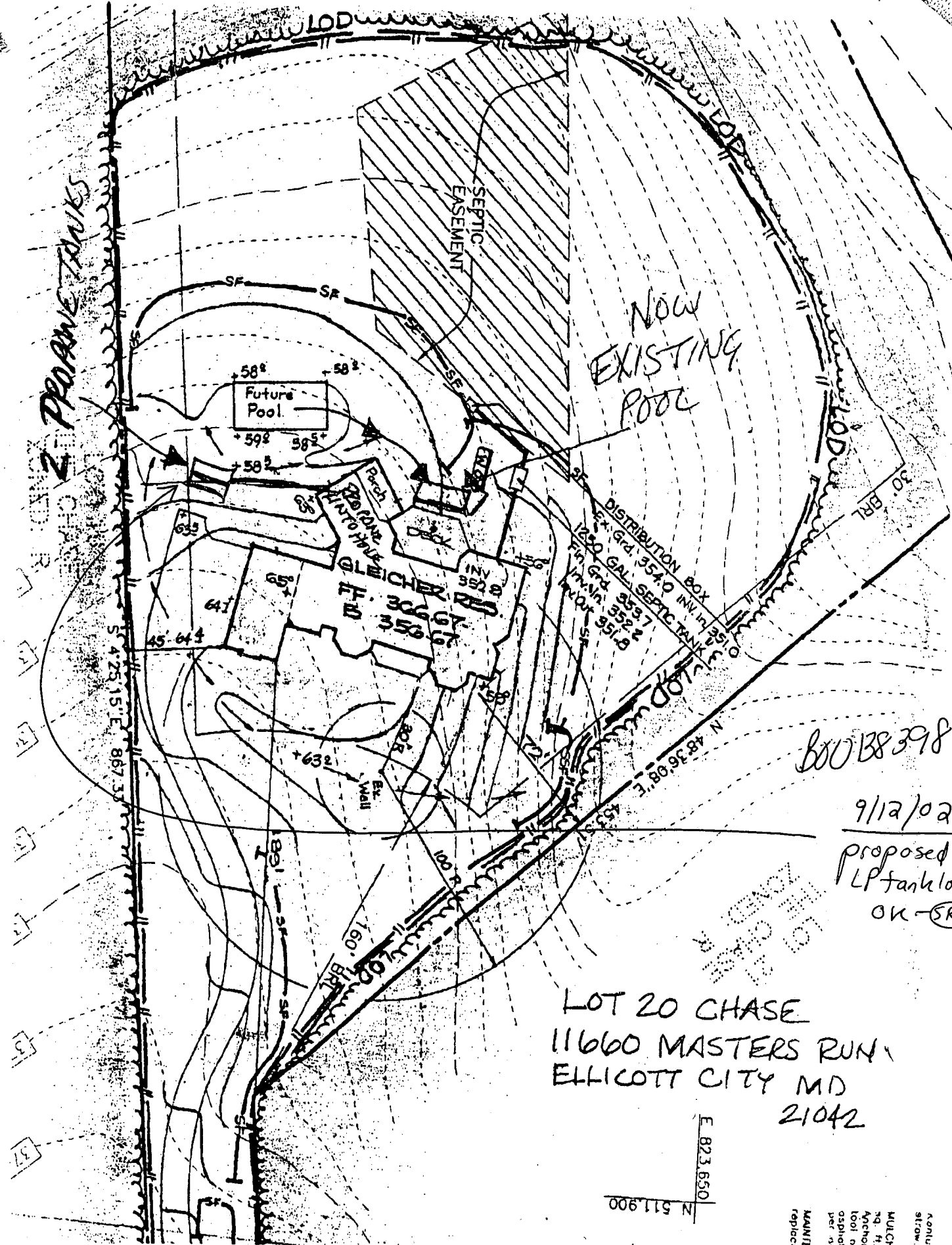
B00136436
 11660 Masters Run
 The Chase Lot 20
 Septic system is for emergency
 from prof.
 SCALE 1" = 50'
 recommend approval
 11/15/23/02

DENNIS & LOIS GLEICHER
 MASTERS RUN LOT 20
 ELICOTT CITY, MD. 2104

ACCT. # 01-030544-3

MULCHING: Apply
 sq. ft. of uretic
 Acorof mulch 100
 pool or 218 gallon
 dispath on flat or
 per acre (8 gal/
 MAINTENANCE: In
 replacements and





800 388 398

9/12/02 -
proposed
LP tank location
OK - (SRK)

LOT 20 CHASE
11660 MASTERS RUN
ELLICOTT CITY MD
21042

E 82°3'550'
N 511.900'

NOTE:
SCALE
MULCH
sq. ft.)
Anchor
hole or
asphalt
per sq.
MAINT
replace