LAYOUT ~~10/14/02 11am~~ ~~10/15/02 3pm~~ INSP 4 10/2/2 12 ish - LAYOUT

INSP 2 ~~11/13/02~~ Cancelled INSP 5 12/4/02 11 A.M.

LAYOUT INSP 3 ~~11/27/02 - 12pm~~ INSP 6 1/29/03 1pm Pump test

ISSUE DATE: 10/9/2002

APPROVAL DATE: 4/18/03

PERMIT

INDEXED

P 517955

A 56539-B

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 RD PHONE NUMBER: 410-795-5670

SUBDIVISION: Kasemeyer Property LOT NUMBER: 6

ADDRESS: 2640 Pfefferkorn Road PROPERTY OWNER: Nancy Kasemeyer

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED ☐
Top Seamed, Double Chambered

PUMP CHAMBER CAPACITY (GALLONS): 1250 COMPARTMENTED TANK REQUIRED ☐
Top Seamed

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 240

LINEAR FEET OF TRENCH REQUIRED: 240

TRENCHES:	Trench to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Install systems initially in highest portion of Septic Area possible (right next to existing roadway if possible). Set distribution box in top center of SDA and run trenches in both directions.
NOTES:	Reason for pump system is that house site is low in water tabled soils. Specifications for highest area ONLY. For lower area use 2 1/2' inlet and 5' maximum depth @ 210 square feet per bedroom. Keep trenches 10' center-to-center.

PLANS APPROVED: Ronald J Pinkley DATE: 8/28/2002

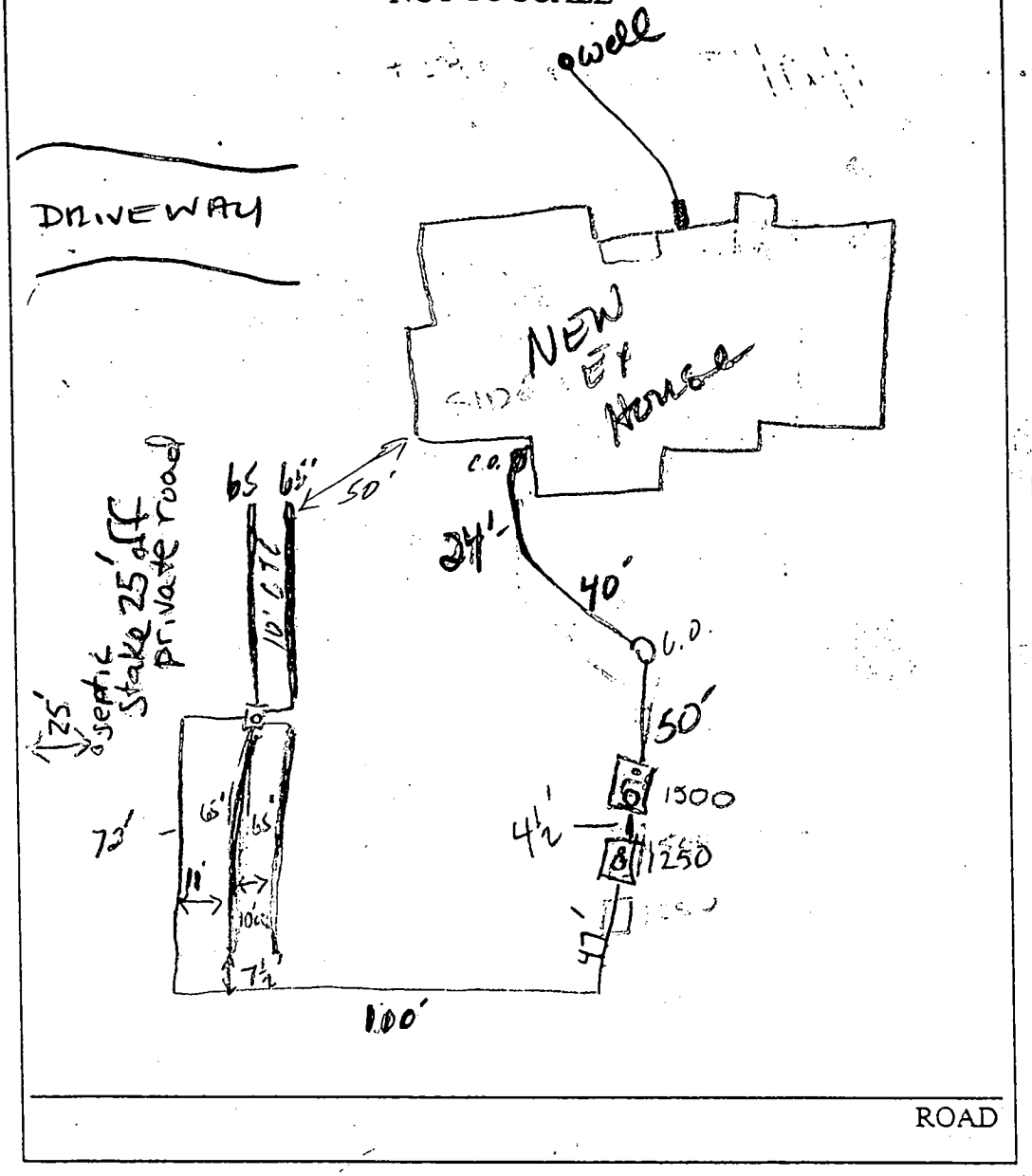
NOTE: PERMIT VOID AFTER 2 YEARS
NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS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

A 56539-B

Patterson Road

NOT TO SCALE



TRENCH/DRAINFIELD DATA

	WIDTH	INLET	BOTTOM
	2.'	3'	7'.

NUMBER OF TRENCHES	4
TOTAL LENGTH	240'
ABSORPTION AREA	720 ~~sf~~
DISTRIBUTION BOX LEVEL	✓
DISTRIBUTION BOX BAFFLE	✓
DISTRIBUTION BOX PORT	✓

SEPTIC TANK DATA

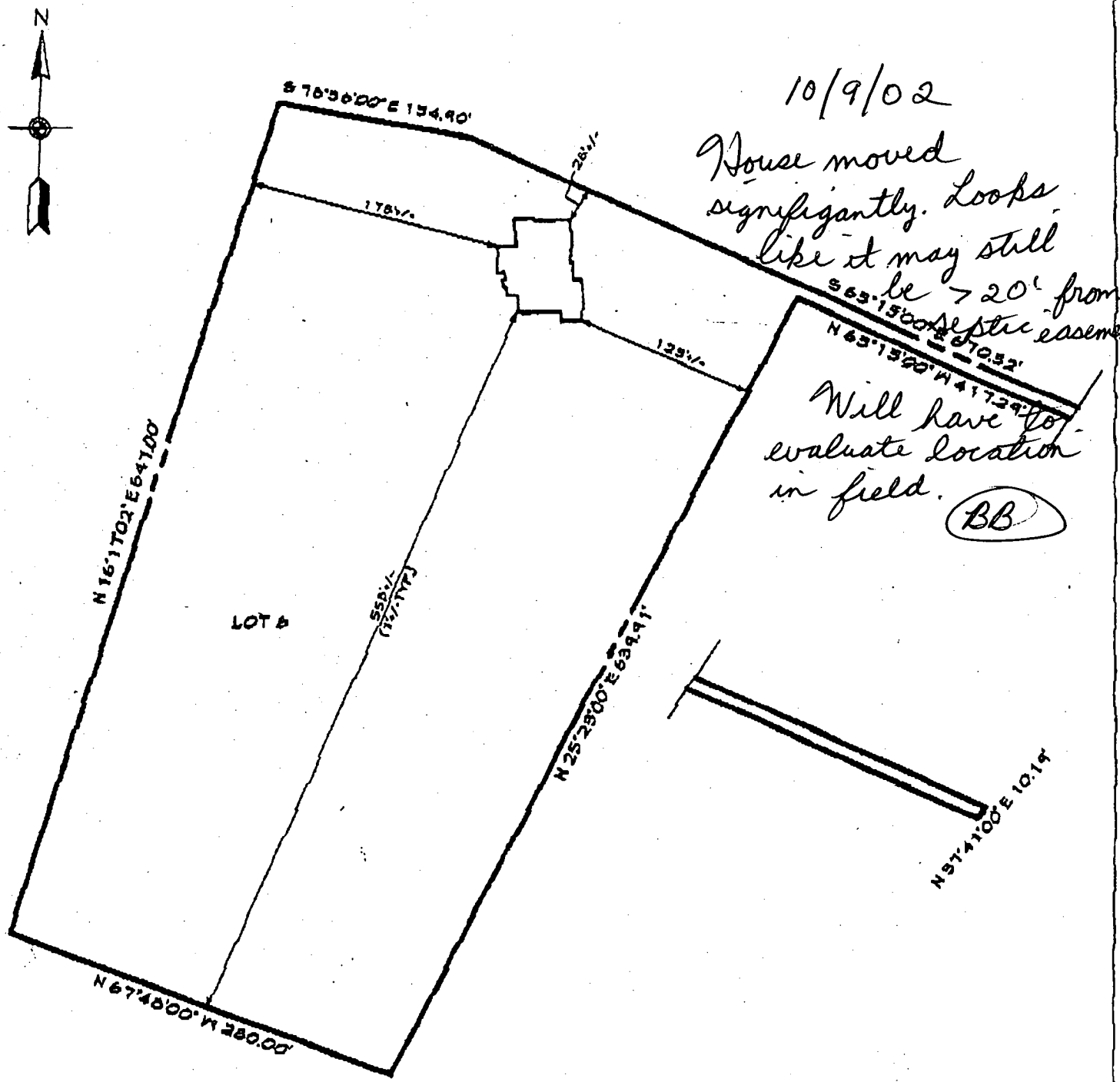
SEPTIC TANK 1 LEVEL	✓
CAPACITY	1500 GAL
SEAM LOC	~~1100~~
TANK LID DEPTH	1'-1.5'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Back
6" PORT LOC	Front
WATERTIGHT TEST	✓
SEPTIC TANK 2 LEVEL	✓
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	1'-1.5'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	✓

Compact material

PRE-CONSTRUCTION 12-2-02 Staked out plan. House conn mark under loader. Running 2" pvc pressure line on outshoot of ash. NOT

INSTALLATION per site plan; 4 way. S.T. location moved further from house. House location per lot lines are not verified; lot lines not clear. Well cap not ready (KN) 12/4/02 OK to cover all work - Pump & Alarm tests needed (SO) 11/29/03 Cap not secure on well. Pump test not ready (KN) 4/18/03 Pump & Alarm tests OK (SO)

FINAL INSPECTOR [signature] DATE OF APPROVAL 4/18/03



10/9/02

House moved significantly. Looks like it may still be ~20' from septic easement.

Will have to evaluate location in field.

BB

PFEFFERKORN
LOT 6

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.

NAME OF ENGINEER — DATE — # 23446

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 RESPONSIBLE 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 AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NESSARY.

SIGNATURE OF DEVELOPER — DATE

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

USDA - NATURAL RESOURCE CONSERVATION SERVICE — DATE

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

HOWARD SOIL CONSERVATION DISTRICT — DATE

BY | DATE | REVISION

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, (313-1855).

2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT "MARYLAND STANDARDS AND SPEIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" AND REVISIONS THERETO.

3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND MARKING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC.51), SOD (SEC. 54), TEMPORARY SEEDING (SEC.50) AND MULCHING (SEC.52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES 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 PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

7) SITE ANALYSIS:

TOTAL AREA OF SITE:	5.116 AC.
AREA DISTURBED:	22300 ±
AREA TO BE ROOFED OR PAVED:	4425 ±
AREA TO BE VEGETATIVELY STABILIZED:	17875 ±
TOTAL CUT:	1200 CY
TOTAL FILL:	1200 CY
TOTAL EXCESS:	0

8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITITES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

9) ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

11) 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.

BY | DATE | REVISION

5/15/02 | W.E.P. | REVISED HSE LOCATION & GRADES

HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISURBANCE WHERE A PERMANENT LONGLIVED 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:
1) PREFERRED- APPLY 2 TONS PER ACRES 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 DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9LBS/1000 SQ. FT)

2) 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 DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING- FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (0.5 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 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONE/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. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING A MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES OF 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.

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 THROUGH APRIL 30 AND AUGUST 15 THROUGH OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.) FOR THE PERIOD OF MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (0.1 LBS./1000 SQ. FT.) FOR THE PERIOD OF 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 90 LBS./1000 SQ. FT.) OF UNROTTED WEED FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 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.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

STANDARDS AND SPECIFICATIONS FOR TOPSOIL CONSTRUCTION AND MATERIAL SPECIFICATIONS

I. 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 publisher by USDA - SCS in cooperation with Maryland Agricultural Experimental Station.

II. Topsoil Specifications

Soil to be used must meet the following:

1. Topsoil shall be a loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or 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, roots, sticks, trash, or other materials larger than 1 inch in diameter.
2. Topsoil must be free or plants of part parts such as bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.

3. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4 to 8 tons/acres (200-400 lbs./ 1000 sq. ft.) 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.

III. For sites having disturbed areas under 5 acres: N/A

1. Place topsoil (if required) and apply soil amendments as specified in Vegetative Stabilization Methods and Materials on this sheet.

IV. For sites having disturbed areas over 5 acres:

V. Topsoil Application

1. When topsoiling, the following maintenance is needed: erosion and sediment control practices such as diversion, Grade Stabilization Structures, earth dikes, slope, silt fence, and sediment traps and basins.

2. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4 to 8 inches higher in elevation.

3. Topsoil shall be uniformly distributed in a 4 to 8 inch layer and lightly compacted to a minimum thickness of 4 inches. Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparations and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.

4. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

VI. Alternatives for Permanent Seeding

Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below.

1. Composted sludge material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:

a. Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.

b. Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a ph of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.

c. Composted sludge shall be applied at a rate of 1 ton/1000 sq. ft.

2. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lbs/1000 sq. ft., and 1/3 the normal lime application rate.

BUILDER

CATONSVILLE HOMES
10753 BIRMINGHAM WAY
WOODSTOCK, MD. 21163

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 DAY)
3. PERFORMED NECESSARY GRADING AND STABILIZE THE SITE. BUILD HOUSE (6 MOS.)
4. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS. (2 DAYS)

SEPTIC SYSTEM NOTES

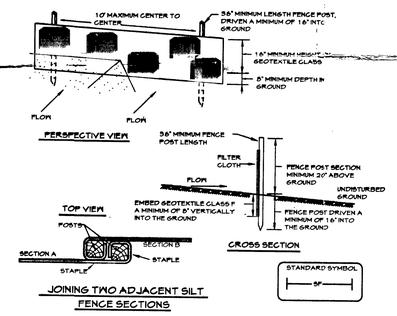
1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO.
2. PROPOSED 1250 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 480.5'
   B. BASEMENT ELEVATION: 477.5
   C. INVERT OF SEPTIC SYSTEM AT HOUSE: 476.5
   D. INVERT AT SEPTIC TANK: 476.3
   E. INVERT OUT AT SEPTIC TANK: 475.0 } 2.9'± (+ cover)
   F. PROPOSED GRADE OVER SEPTIC TANK: 478.0
   G. INVERT AT DISTRIBUTION BOX: 471.5 ±
   H. EXISTING GROUND OVER DISTRIBUTION BOX: 425.0 ±
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. BUILDER TO VERIFY AVAILABILITY OF BASEMENT SEWER SERVICE PRIOR TO DWELLING STAKE OUT.

House will Not Sewer for Basement Service

5) Final depth of Septic Tank and pump chamber Holes to be verified by open pit inspection by Howard County Health Dept prior to Tank placement.

6) This House Needs a SDA Stockout inspection before pulling B.P.

DETAIL 22 - SILT FENCE



JOINING TWO ADJACENT SILT FENCE SECTIONS

Construction Specifications

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1½" x 1½" square (minimum) cut, or 1¾" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot.

2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal ft / minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

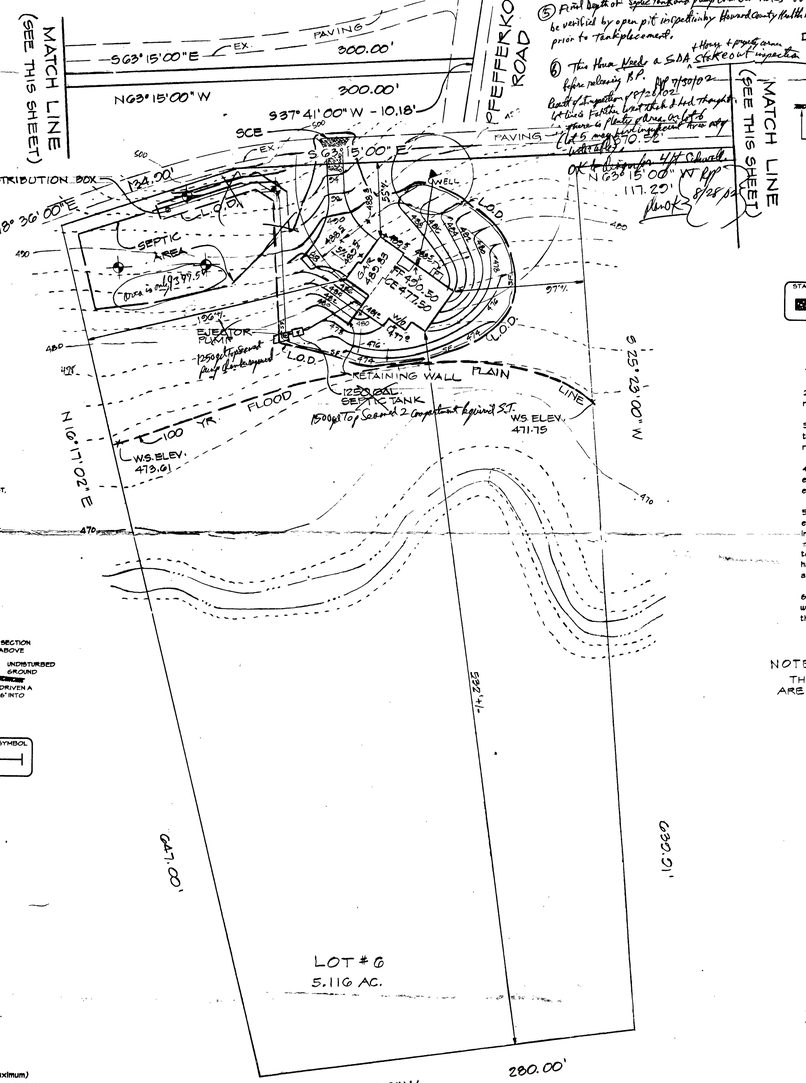
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

Silt Fence Design Criteria

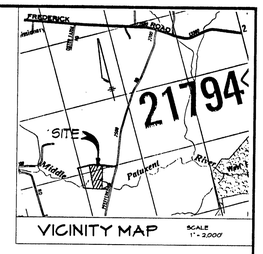
Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

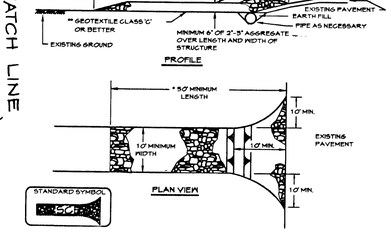


PLAN

SCALE: 1" = 50'



DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



Construction Specification

1. Length - minimum of 50'(*30' for single residence lot).

2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.

3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.

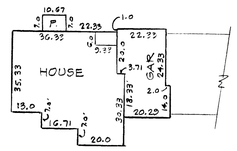
4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.

5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mount will berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.

6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

NOTE:

THE EXISTING TOPOGRAPHY AND HOUSE ELEVATIONS ARE BASED ON APPROX. DATUM.



HOUSE DETAILS

SCALE: 1" = 30'

HOUSE TYPE: "CUSTOM" (SHOWN REVERSE)

OWNER

NANCY KASEMEYER
2590 PFEFFERKORN ROAD
WEST FRIENDSHIP, MD. 21794

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT

KASEMEYER PROPERTY

LOT # 6 - 2640 PFEFFERKORN ROAD
ELECTION DISTRICT * HOWARD COUNTY, MARYLAND
TAX MAP: 15 PARCEL: 103

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

STATE OF MARYLAND — ALFRED L. HOWARD — REGISTERED PROFESSIONAL ENGINEER — 4/25/02

Alfred L. Howard
Professional Engineer Registration No. 23446

Surveyed By:	Drawn By: J.E.P.	Drawing No.:
Computed By:	Checked By: J.E.P.	County File No.:

Date: APRIL 23, 2002

CATONSVILLE HOMES #2001110

AM IF POSSIBLE

3/14/03 1PM

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: CHARLES A KLEIN & SONS, INC Telephone #: (410) 549-6960
Address: 5220 DEER MILL ROAD
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) CHARLES A KLEIN, JR. License# 6521
*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: CATONSVILLE BUILDERS Telephone #: (410) 750-1200
Subdivision: PFEFFERKORN Lot #: 6 Well Tag # : HO-94-3393
Site Address: 2640 PFEFFERKORN RD
WEST FRIENDSHIP, MD 21794

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: JACUZZI	Make: HYDRO	Two piece watertight cap: ✓
Model #: 5 S45-13P-57	Model#: PF-800	Screened, vented well cap: ✓
Pump Capacity 5 GPM	Depth: 42" (36" min)	Cap secured to casing: ✓
Well Yield: 6 GPM	NSF approved:	Conduit min 18" B.G.: ✓

Depth of well encountered at time of pump installation: 50 (feet) Conduit secured to well cap: ✓
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 ___

Piping to house	House Connection
Type: POLYETHYLENE	PVC sleeved to undisturbed soil at wall penetration: Yes
PSI: 1" (160 psi min)	Approximate length of sleeve: ✓
Depth of supply line: ___(36" min)	Sleeve caulked and sealed properly: ✓

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.

Charles A Klein Jr
Signature of company representative responsible for installation date
CHARLES A KLEIN, JR.

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

Date Insp. Requested: 11/22/02 AM Date Insp. Approved: 3/14/03 (SD)

Inspection Data:

Pitless adapter and water supply line at least 36" 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	✓

C 1 **14500** SEQUENCE NO. (MDE USE ONLY)

1 2 3 6 (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 TYPE

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

COUNTY NUMBER A56539-B ~~A6[illegible]~~ W516508/2

ST/CO USE ONLY DATE Received MM DD YY (8–13)

DATE WELL COMPLETED: 05 29 82 (15–20)

Depth of Well: 260 (22–26) (TO NEAREST FOOT)

KN 6/11/02

PERMIT NO. FROM "PERMIT TO DRILL WELL": HO 94 3393 (28–37)

OWNER: Catonville ~~Road~~ Homes (last name / first name)

STREET OR RFD: Pfefferkorn Rd TOWN: Glenelg

SUBDIVISION: Kasemeyer Prop. SECTION: LOT: 6

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 FROM	FEET TO	check if water bearing
Top Soil	0	2	
Sandy	2	40	✓
Sand Stone	40	50	
MICKA	50	75	
Sand Stone	75	80	✓
MICKA	80	220	
Flint Rock	220	225	✓
MICKA	225	260	

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.: M S[illegible] D[illegible]

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. S[illegible] D[illegible]

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

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box): yes (Y) (44) / no (N) (44)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT (CM) (45 46) BENTONITE CLAY (BC) (45 46)

NO. OF BAGS 15 NO. OF POUNDS [illegible]

GALLONS OF WATER 70

DEPTH OF GROUT SEAL (to nearest foot): from 0 (48 TOP 52) ft. to 30+ (54 BOTTOM 58) ft. (enter 0 if from surface)

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

MAIN CASING TYPE: PL (60 61)

Nominal diameter top (main) casing (nearest inch)!: 6 (63 64)

Total depth of main casing (nearest foot): 50 (66 70)

OTHER CASING (if used) — EACH CASING: diameter (inch); depth (feet) from / to

screen type or open hole insert appropriate code below: ST STEEL; BR BRASS BRONZE; PL PLASTIC; HO OPEN HOLE; OT OTHER

SCREEN RECORD
C 2 (1 2)

	DEPTH (nearest ft.)		
EACH SCREEN	HO (8 9)	48 (11–15)	260 (17–21)
2	(23 24)	(26–30)	(32–36)
3	(38 39)	(41–45)	(47–51)

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN ____ (56–60) (NEAREST INCH)

GRAVEL PACK — from ____ to ____

IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 (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

C 3 (1 2)

PUMPING TEST
HOURS PUMPED (nearest hour): 3 (8 9)

PUMPING RATE (gal. per min.): 6 ✓ (11–15)

METHOD USED TO MEASURE PUMPING RATE: Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING: 35 (17–20) ft.

WHEN PUMPING: 75 (22–25) ft.

TYPE OF PUMP USED (for test)
- A air (27)
- P piston (27)
- T turbine (27)
- C centrifugal (27)
- R rotary (27)
- O other (describe below) (27)
- J jet (27)
- S submersible (27)

PUMP INSTALLED
DRILLER INSTALLED PUMP (CIRCLE) (YES or NO): 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. (29)

CAPACITY: GALLONS PER MINUTE (to nearest gallon) (31–35)

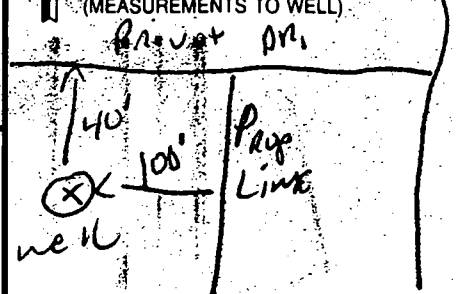
PUMP HORSE POWER (37–41)

PUMP COLUMN LENGTH (nearest ft.) (43–47)

CASING HEIGHT (circle appropriate box and enter casing height)
- (+) above (49)
- (–) below (49)

LAND SURFACE 2 (nearest foot) (50 51)

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)



DENV-CR00

COUNTY

Page ____ of ____
Date May 29 2002

Review KN

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3393
Location of property (road) Pfefferkorn Rd
Subdivision Kasemeyer Property Lot 6 Block ____ Plat ____ Sec. ____
Well Driller R. Mayne Owner Catonville Homes

Depth of well 260
Distance of measuring point (M.P.) above ground 2 ft
Static water level (S.W.L.) below M.P. 35 ft

I. *High rate pumping -- reservoir drawdown*

Time pump started 8:00 Pumping rate 10 GPM
Total time 15 min to reach pumping water level 75 ft. below M.P.

II. *Recovery pump test data - observations to be recorded every 15 minutes*

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:00	35 ft.	6 Sec		10 GPM
~~8:15~~			Test Started	
8:15	75 ft	10 Sec		6 GPM
8:30	75 ft	10 Sec		6 GPM
8:45	75 ft	10 Sec		6 GPM
9:00	75 "	10 "		6 "
9:15	75 "	10 "		6 "
9:30	75 "	10 "		6 "
9:45	75 ft	10 Sec		6 GPM
10:00	75 ft	10 Sec		6 GPM
10:15	75 ft	10 Sec		6 GPM
10:30	75 "	10 "		6 "
10:45	75 "	10 "		6 "
11:00	75 ft	10 Sec		6 GPM
11:15	75 ft	10 Sec		6 GPM
11:30	75	10		6 GPM
11:45	75 Ct	10 Sec		6 GPM

HD-224

50 ft CASing 30+ open 15 BAYs

Page _____ of _____
Date _____

5/29/02 3HR 12:00± Review JB

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3393
Location of property (road) Pfefferkorn Rd
Subdivision Kasemeyer Property Lot 6 Block ____ Plat ____ Sec. ____
Well Driller R. Mayne Owner Catonsville Homes

Depth of well _____
Distance of measuring point (M.P.) above ground 2'12
Static water level (S.W.L.) below M.P. 35

I. High rate pumping -- reservoir drawdown

Time pump started _____ Pumping rate _____
Total time _____ to reach pumping water level _____ ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
11:45	35	56 sec		≈6 gpm
12:00	35	"		"
5/29/02 JB	met R. Mayne on-site ≈ 11:45. Water was clear + plastic casing was used.			

HD-224

Clear water
plastic casing @ surface

EMERGENCY/TEMP NO. IF ANY

B 1 | 8922 | SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

W516508

STATE PERMIT NUMBER: HO-94-3393

fill in this form completely

Date Received (APA): 2/11/02

OWNER INFORMATION

Catonsville Homes
Last Name / Owner / First Name

10753 Birmingham Way
Street or RFD

Wood Stock MD. 21163
Town / State / Zip

DRILLER INFORMATION

Ralph E. Mayne M S D 117
Driller's Name / License No.

Ralph E. Mayne well Drilling
Firm Name

17024 Handy Rd. Mt Airy MD. 21771
Address

R. E. Mayne 2-7-02
Signature / Date

LOCATION OF WELL

B 3

Howard
COUNTY

Kase Meyer Prop
SUBDIVISION

SECTION - LOT 6

Glenelg
NEAREST TOWN

MILES FROM TOWN (enter 0 if in town): 2 M I

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NW 8-9 | N 8 | NE 8-9
W 8 | TOWN | E 8
SW 8-9 | S 8 | SE 8-9

Pefferkorn Rd.
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH / WEST / EAST / SOUTH

DISTANCE FROM ROAD: 1400 ENTER FT OR MI: Ft

TAX MAP: 15 BLK: ____ PARCEL: 197

WELL INFORMATION

B 2

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

(D) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
[F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION
[I] INDUSTRIAL, COMMERICIAL, DEWATERING
[P] PUBLIC WATER SUPPLY WELL
[T] TEST, OBSERVATION, MONITORING
[G] GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

A56539-B

Howard — W516508/2
COUNTY NAME / COUNTY NO.

STATE SIGNATURE _____ INSERT S →

DATE ISSUED: 4/23/02 — CO SIGNATURE: Ronald Mumbley — EXP DATE: 4/23/03

NORTH GRID: 534 000 EAST GRID: 802 000

APPROXIMATE DEPTH OF WELL: 150 FEET

APPROXIMATE DIAMETER OF WELL: 6" 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 DEEPENED 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-CONTACT-LOCAL APPROVING-AUTHORITY FOR POLICY ON STANDBY WELLS
[D] THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) ____-____-____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

5/29/02 11:00+

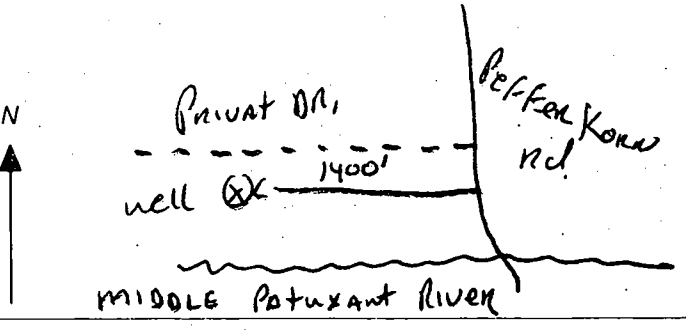
SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 80½
N 534

000
000

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



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

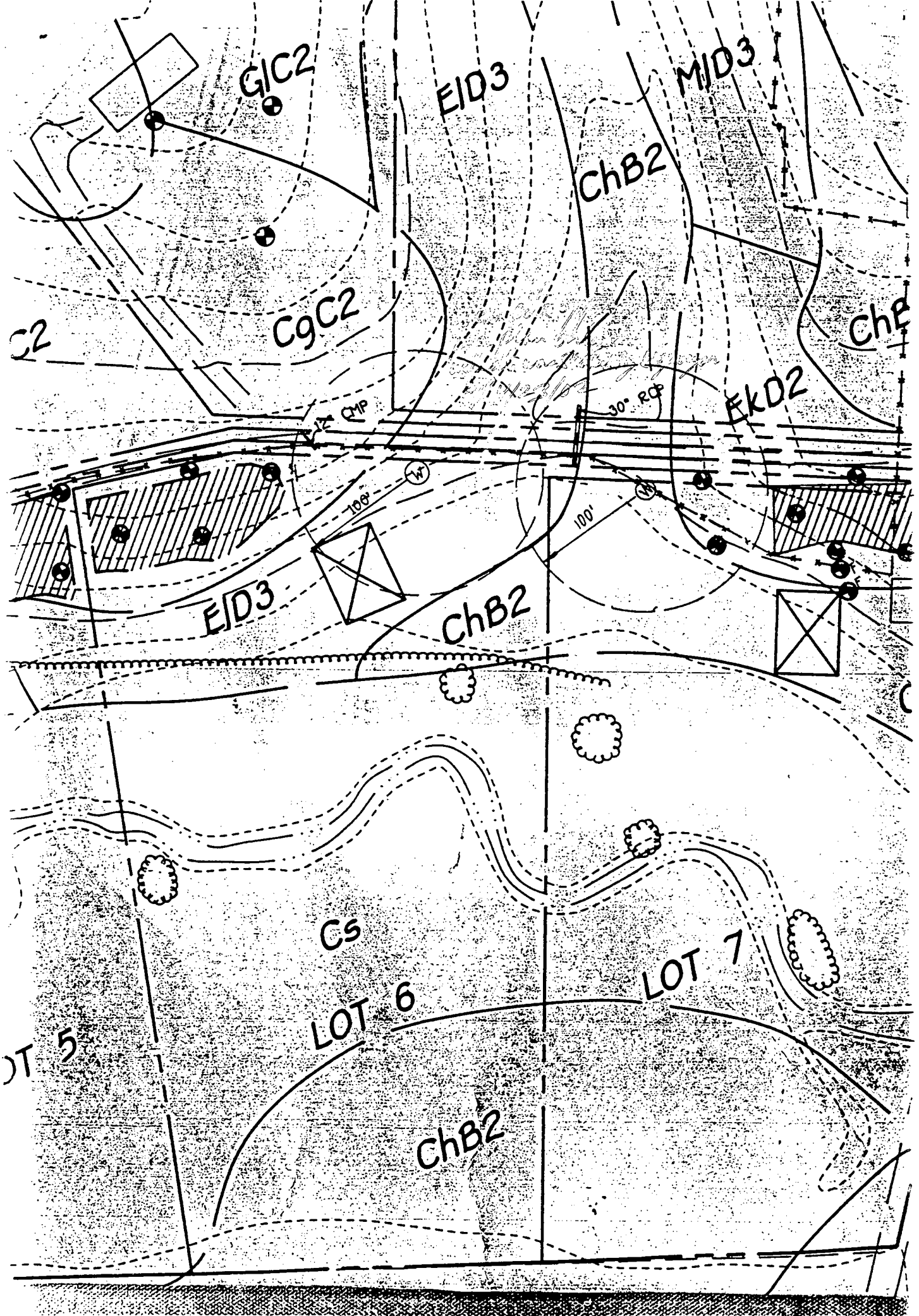
APPROP. PERMIT NUMBER ____-____-____-G-___

PERMIT No. HO-94-3393

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

② COUNTY

DENV-Permit 97


GlC2
ElD3
MlD3
ChB2
C9C2
C2
Ch
EkD2
30" RCP
12" CMP
100'
100'
ElD3
ChB2
Cs
LOT 7
LOT 6
T 5
ChB2

4/2/96
10/00

APPLICATION

PERCOLATION TESTING

A 56539-B

P _____

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

DISTRICT _____

DATE 4-3-96

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 NANCY J. KASEMEYER

ADDRESS 2590 PFEFFERKORN RD WEST FRIENDSHIP 21794 PHONE (410) 442-2775

AGENT OR PROSPECTIVE BUYER _____

ADDRESS N/A (Earl Collins - F.C.C.) PHONE _____

PROPERTY LOCATION:

SUBDIVISION Kasemeyer Property LOT NO. 5, 6, +7

ROAD AND DESCRIPTION parcel 192, 197, 194

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. S.F.D - 3 RECORDED LOT
(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. Nancy J. Kasemeyer
(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

HD-216 (3/92)

56539 B
COUNTY #

LOT 6

SOIL PROFILE 6

0'
Red LCL -CL
3 1/2' Yel-Red Brn LL-L (10R-2.5YR 4/8)
10 above profile yel F Loam
11 1/2

I
Red CL
2 Red SL
3' yel red mica SL
5 Mix yel red + yel, gray brn FSL c 20% str. Saprolite + Rocks
10'

H
Red CL -LL
3 yel-yel Brn FL Mix c Red Br FSL
6 Mix colors yel-yel Brn + Neutral Brn FL-SL c 10-15% str Saprolite and Mica Schist Rock
11'

SOIL PROFILE CG
0'
Str Brn -Red Brn LL
Red Brn Loam
4 1/2 Neutral Brn + yel Brn Fmica SL
10

HH
Red Brn LL 5% stones
3 1/2 Red Brn L
5 1/2 Neutral Brn -Lemon Red Brn
12 1/2 5-10% Str saprolite + stones

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
4/2/96	H	4'	1:07:00	1:20:00		dry hole 1:55	est 13 min
	I	3'	12:57:30	1:02:00	1:02:00	1:13:00	11 min

REMARKS used elevation Contour Line Thru Holes F & H as Lower Limit of SDA

TYPE OF SOIL [illegible]

TESTED BY [illegible] ALSO PRESENT Brian Kanoff Kettermann, Ross Kasemeyer

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME ______ TRENCH WIDTH ______

INLET DEPTH ______ MAXIMUM BOTTOM DEPTH ______ SQ. FT/BEDROOM ______

A365539C LOT 6 / LOT 5

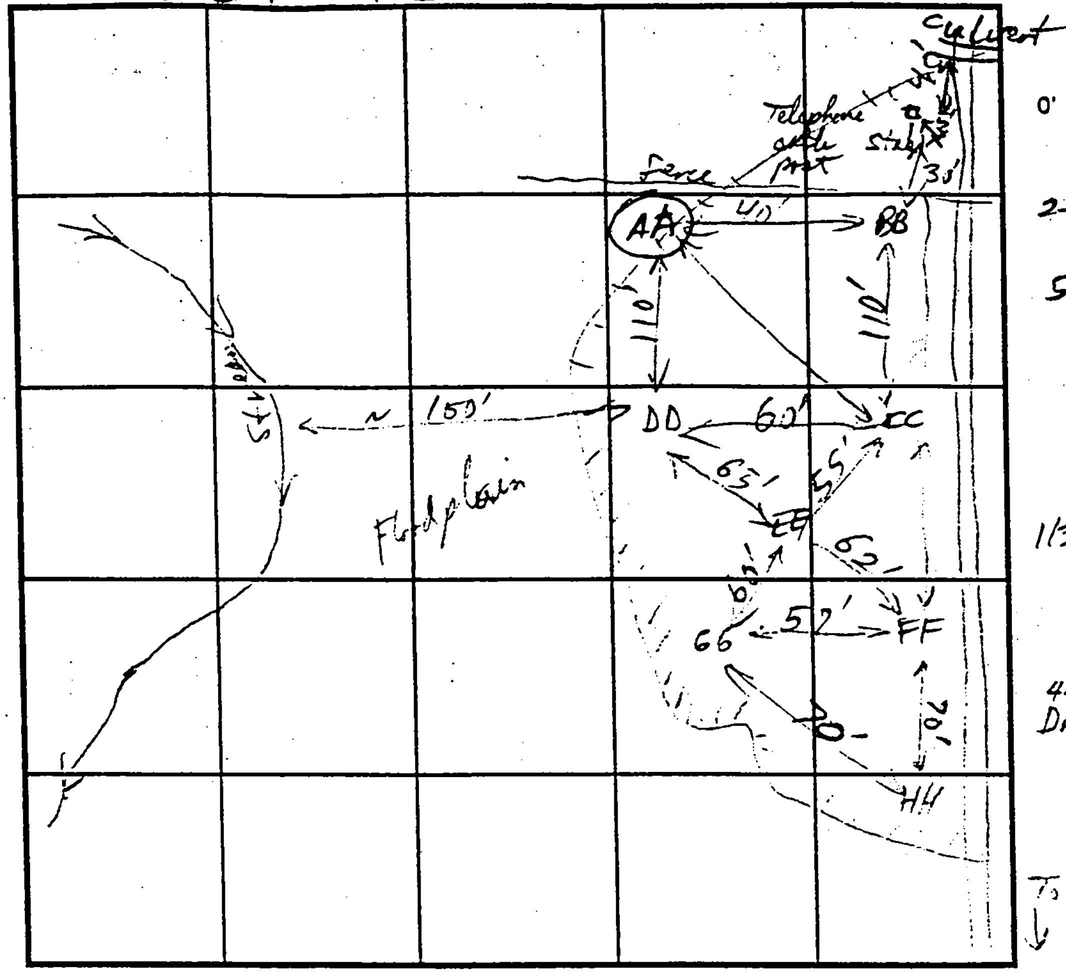
COUNTY #

SOIL PROFILE AA

0'
Red Brn CL-LL
2½ Darker Red Brn LL-L Mix Color some Black Mottles
5½ Neutral Brn & gray FSL some [illegible] Mottles
11½'

BB
Red Brn LL-CL
4 Red Brn [illegible] Loam-SL
7 Neutral Brn (mixed color) F mica SL 5-10% stones
12'

FF, CC
Str Br - LL
2' Red Brn-Red CL-LL
4.5' Red-Red Brn L
Red Brn mica SL
11'



SOIL PROFILE EE

0'
Red Brn LL
2-3' Red Brn L
5' Neutral Brn - Brn F mica SL-L
11½'

Hole DD
Red-Red Brn LL
4.5'
DD - [illegible] in Neutral SL [illegible] 5-10

To [illegible] Cor in Rd

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
[illegible]	AA	4'	1:37	Missed		2:00	13 min
		v11½ Deepened to 12'	water table encountered at 12 ft				OK (shallow)
	BB	v12	Visual only				OK [illegible]
	DD	v10½ 3½	1:46:00	Missed		1:58:	3 min OK
	EE	v11½	Visual only				OK
	CC	v11½ 6½ 5½	2:44 2:03	Missed 2:30 [illegible] in 27 min		2:56	8 min [illegible]
	FF	v11½ 4'	2:13	2:20:00		2:44	24 min
		7'	2:13:3	2:18:00	2:18:00	2:24:00	6 min OK
	GG	v10½ 5'		2:25:00	2:26:30	2:28:30	2 min OK
	HH	v12½'	Visual only				OK

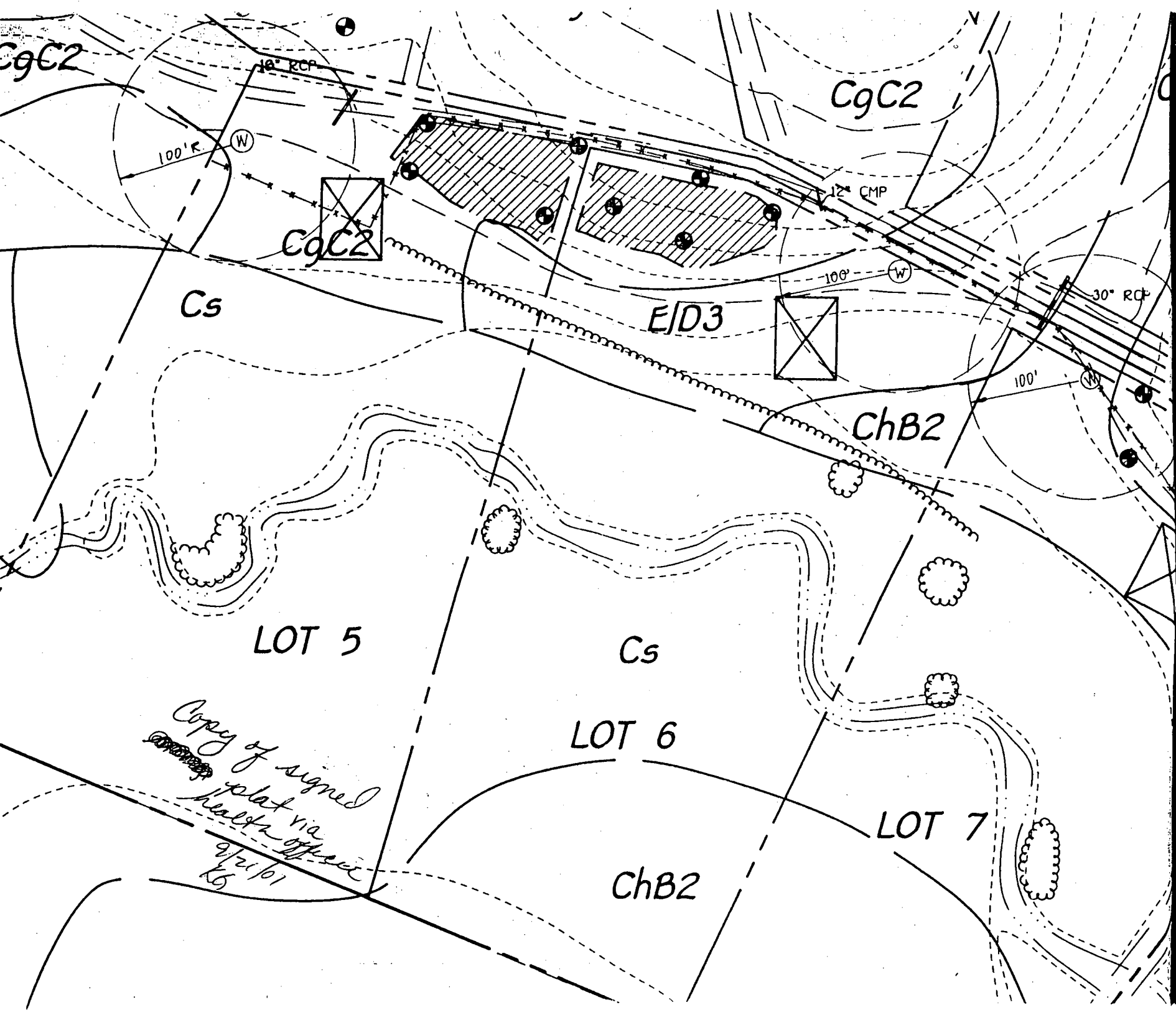
REMARKS

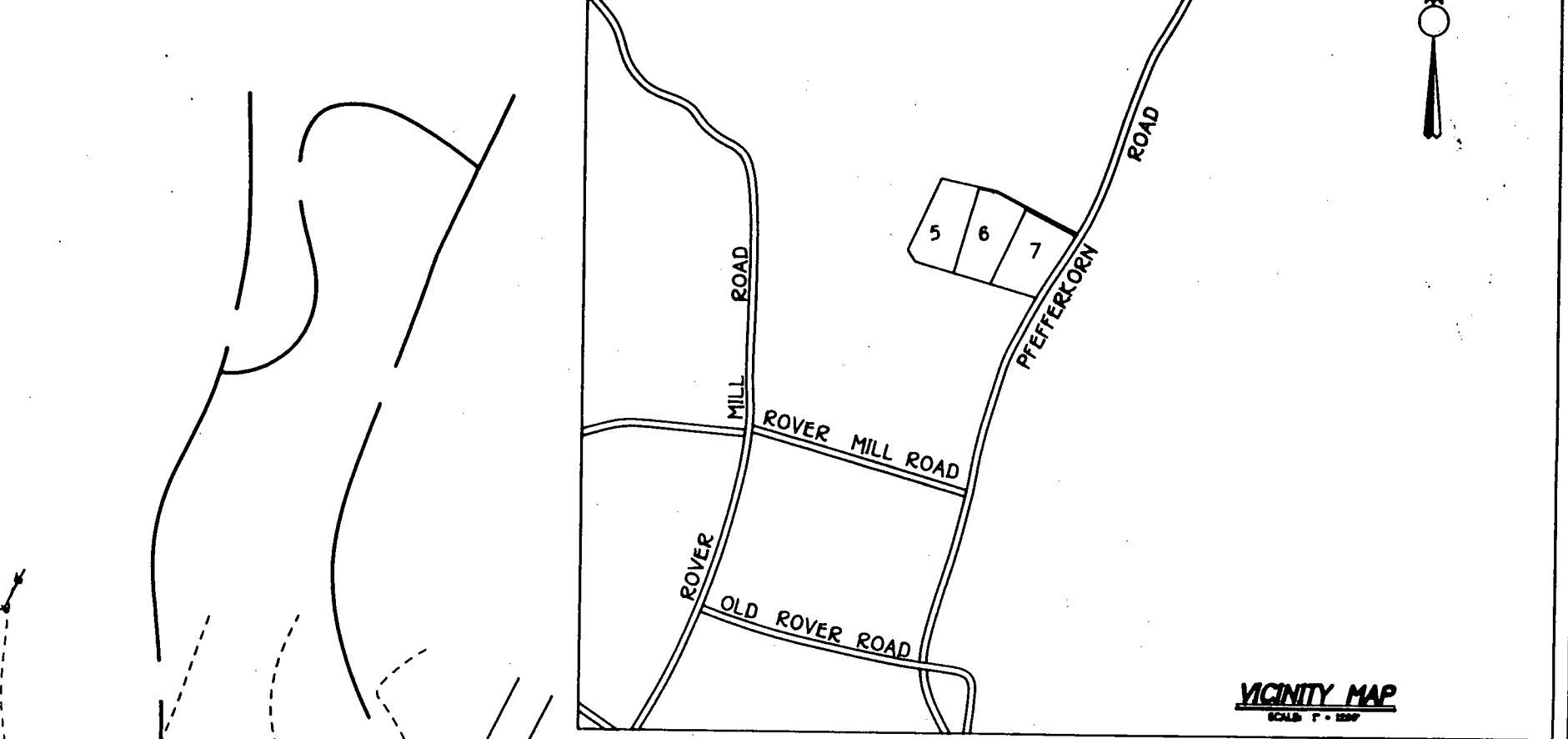
TYPE OF SOIL "

TESTED BY [illegible] ALSO PRESENT [illegible] B. [illegible] / [illegible]

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME ______ TRENCH WIDTH ______

INLET DEPTH ______ MAXIMUM BOTTOM DEPTH ______ SQ. FT/BEDROOM ______


CgC2
18" RCP
CgC2
100' R
W
12" CMP
CgC2
100'
W
30" RCP
Cs
E/D3
100'
W
ChB2
LOT 5
Cs
LOT 6
LOT 7
Copy of signed plat via health office 9/21/01 KS
ChB2



VICINITY MAP

SCALE 1" = 1000'

ChB2

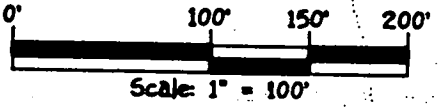
GENERAL NOTES:

1. SUBJECT PROPERTY ZONED RC-DEO
2. TOTAL NUMBER OF PROPOSED LOTS = 3
3. ////// THIIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA SHALL BE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
4. THE LOTS SHOWN HEREON COMPLY WITH THE MINIUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT
5. PERCOLATION AREAS AND WATER WELLS FOR ADJOINING LOTS WILL BE SHOWN WHERE PERTINENT.
6. PRIVATE WATER AND SEWER TO BE UTILIZED.
7. SOILS MAP No. 7
8. The 7 Lots shown herein are recognized as Lots of record which were approved for single family dwelling use prior to implementation of the more restrictive requirements of COMAR 26.04.03 and .04.

PERCOLATION TEST CERTIFICATION PLAN

Kasemeyer Property

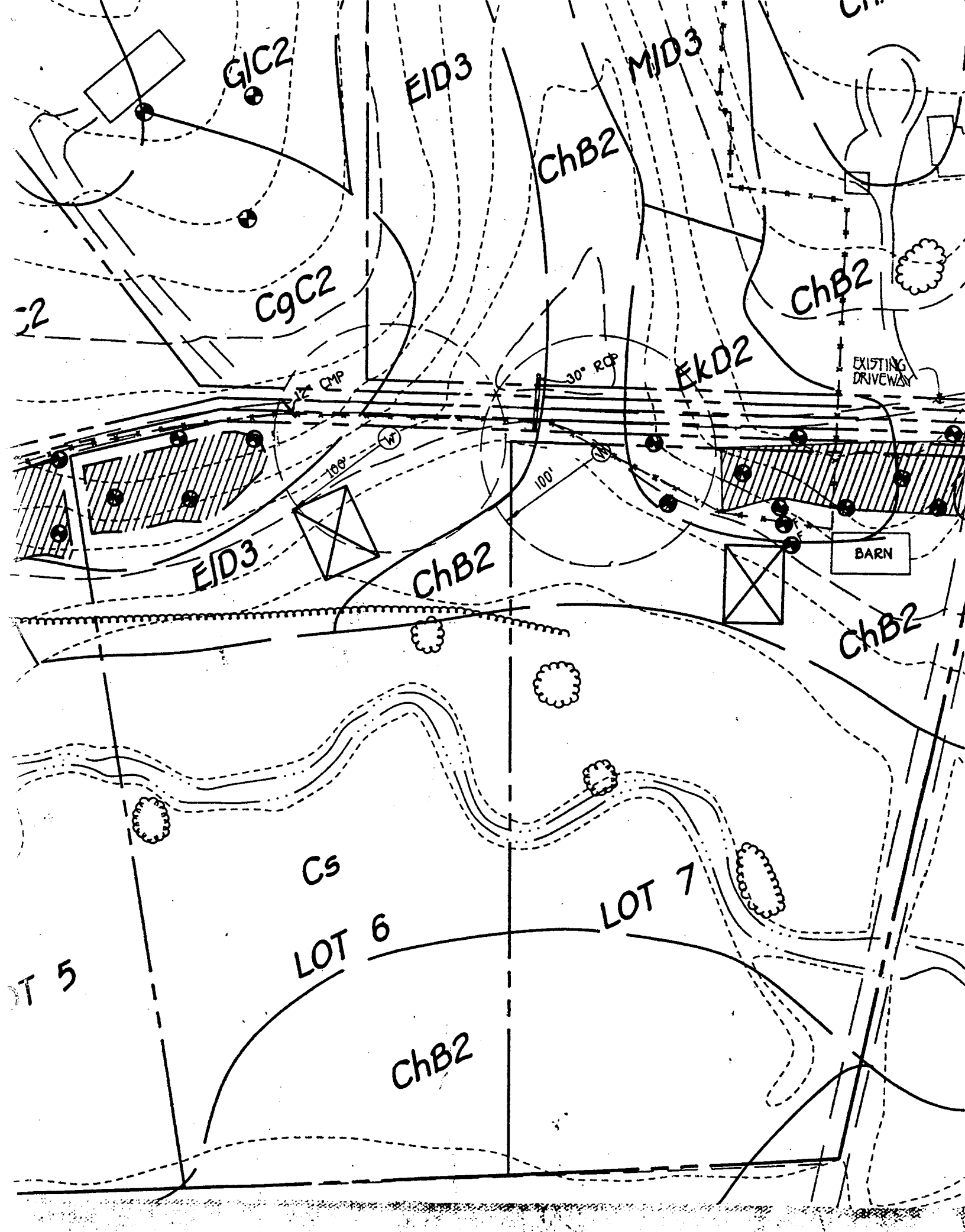
1 FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
TAX MAP 15 PARCELS 188-192, 197 AND 198

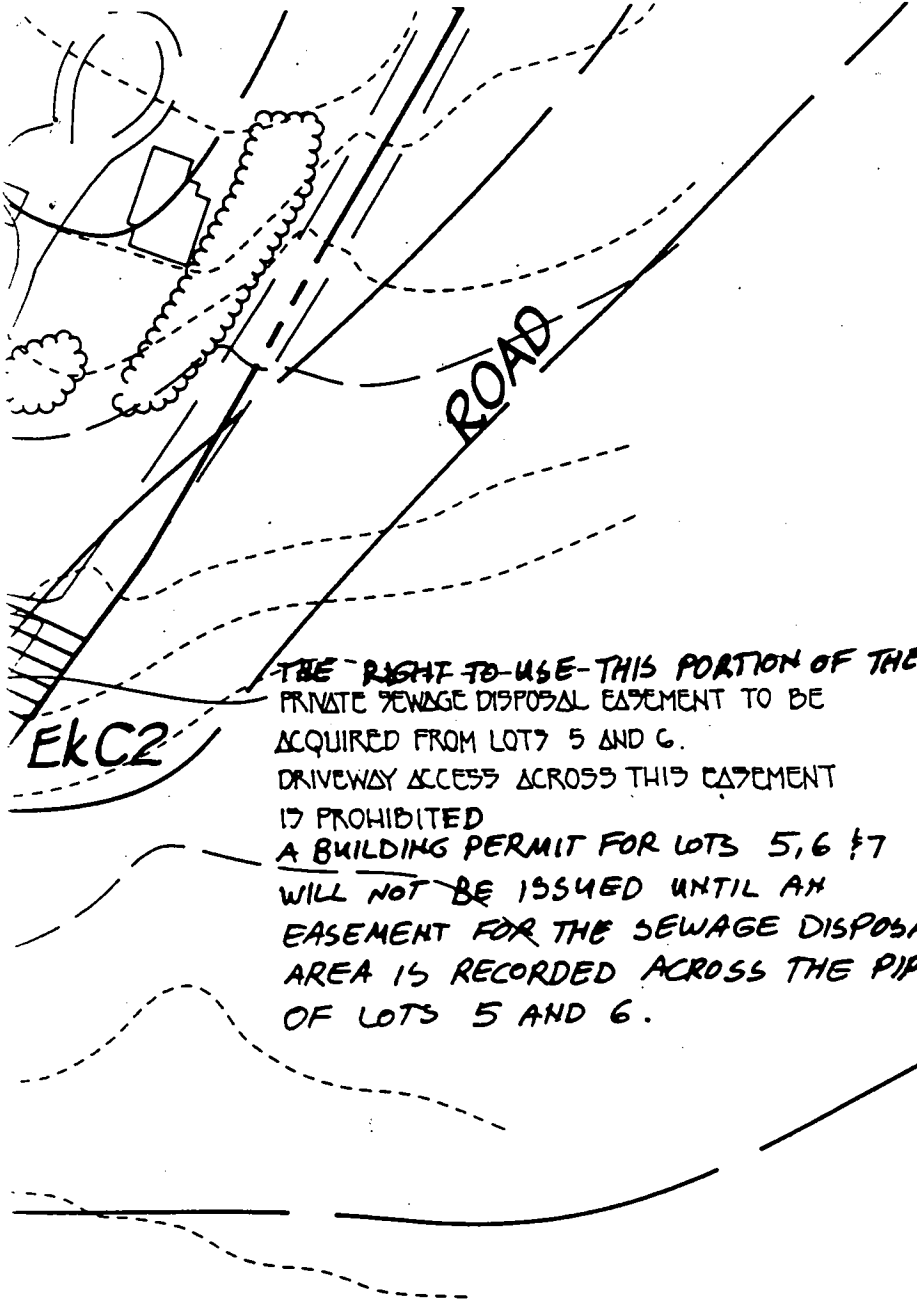


Scale: 1" = 100'

DATE MAY 22, 1996

30552PCL.DWG


GlC2
ElD3
MlD3
ChB2
C9C2
ChB2
EkD2
EXISTING DRIVEWAY
12" CMP
30" RCP
100'
100'
BARN
ElD3
ChB2
ChB2
Cs
LOT 6
LOT 7
LOT 5
ChB2



~~THE RIGHT TO USE~~ THIS PORTION OF THE PRIVATE SEWAGE DISPOSAL EASEMENT TO BE ACQUIRED FROM LOTS 5 AND 6.
DRIVEWAY ACCESS ACROSS THIS EASEMENT IS PROHIBITED
A BUILDING PERMIT FOR LOTS 5, 6 & 7 WILL NOT ~~BE~~ ISSUED UNTIL AN EASEMENT FOR THE SEWAGE DISPOSAL AREA IS RECORDED ACROSS THE PIPE STEMS OF LOTS 5 AND 6.

STATE OF MARYLAND
CHARLES COUNTY

Ka

TAX MA