

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50972

A 42610

DISTRICT 4th

DATE 11/14/95

DATE SYSTEM APPROVED 5/28/96

INSPECTOR *[Signature]*

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

313-2640

352297
INDEXED

K & K Excavating, Inc.

IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144, Woodbine, MD 21797 PHONE 442-1336

SUBDIVISION Warfields Grant LOT 6 ROAD 16013 Misty Knoll Court

PROPERTY OWNER James A. Selfridge Builders / PAUL SNYDER

ADDRESS

Pump Chamber 1500 Gallons (Top Seamed)

SEPTIC TANK CAPACITY 1500 GALLONS *Install a pump/float control box with an alarm on a

NUMBER OF BEDROOMS 5

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 263

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Tank and pump chamber to be located 10' off right end of house and 15' from driveway or higher on lot. Place distribution box 80' from the right rear lot line (124.13) and 15' off the right side line (448.11). Run trenches along contour.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *11/15/95*

PLANS APPROVED BY Glen Savage/Ron Pinkley DATE 10/20/95

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)

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.

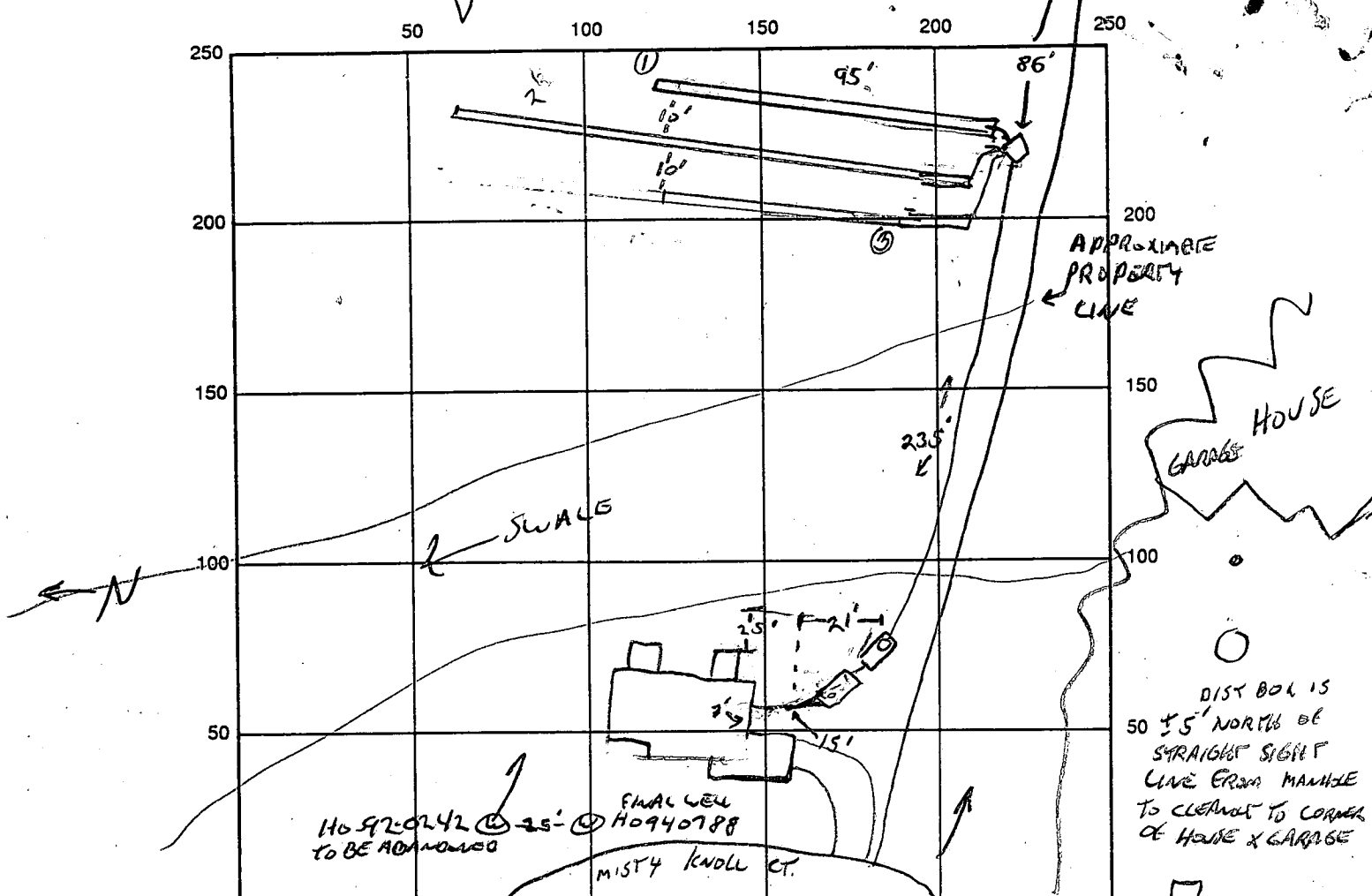
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

BLDG. PERMITS SECTION
AND RETURNED 9/20/01
B00130940 - pool

A 42610

WOODS



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

2 1500 GAL TOP SEAM TANKS

SEPTIC TANK LEVEL TANK 1 SET OK TANK 2 OK CLEANOUTS 1 ON 1ST TANK, MANHOLE ON 2ND TANK

DISTRIBUTION BOX LEVEL OK NO ELBOWS AS OF 1/5/96

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 105 FT. 67 3 267

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 1068 SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS: 1/4/96 TANKS SET, BOTTOM OF TANK BOLE 2 WET, DISCUSSED DIST BOX LOCATION

WITH CONTRACTOR - LOCATION MEASURED, 2X TANK INSPECTIONS. PUMPS AND CONTROL BOX WILL NOT BE INSTALLED UNTIL HOUSE IS COMPLETE. OK TO BACKFILL TANKS

1/5/96 PRESSURE LINE 2' PVC (SCH 40), OK TO COVER LINE TO DIST BOX

1/25 1ST TRENCH COMPLETE 1/26/96 WORK COMPLETE, OK TO COVER

NEEDS PUMP TEST FOR FINAL - PUMPS TO BE INSTALLED - DUAL PUMPS - OK

DATE SYSTEM APPROVED 5/28/96 INSPECTOR [Signature]

95
67
162
263
167
101

APPLICATION

10/13/95 PERCOLATION TESTING
NO FEE ADDITIONAL TEXT
TO ADJUST SOA FOR
CP 57911

A 42610
P _____

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

DISTRICT _____
DATE 10/13/95

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 JAMES SELERIDGE BUILDERS

ADDRESS 16013 MISTY KNOW CT, PHONE 503-792

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION WAREFIELD GRANT LOT NO. 6

ROAD AND DESCRIPTION _____

TAX MAP 13 PARCEL # 128

SIZE OF LOT _____ TYPE BLDG. _____
(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 _____

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 _____

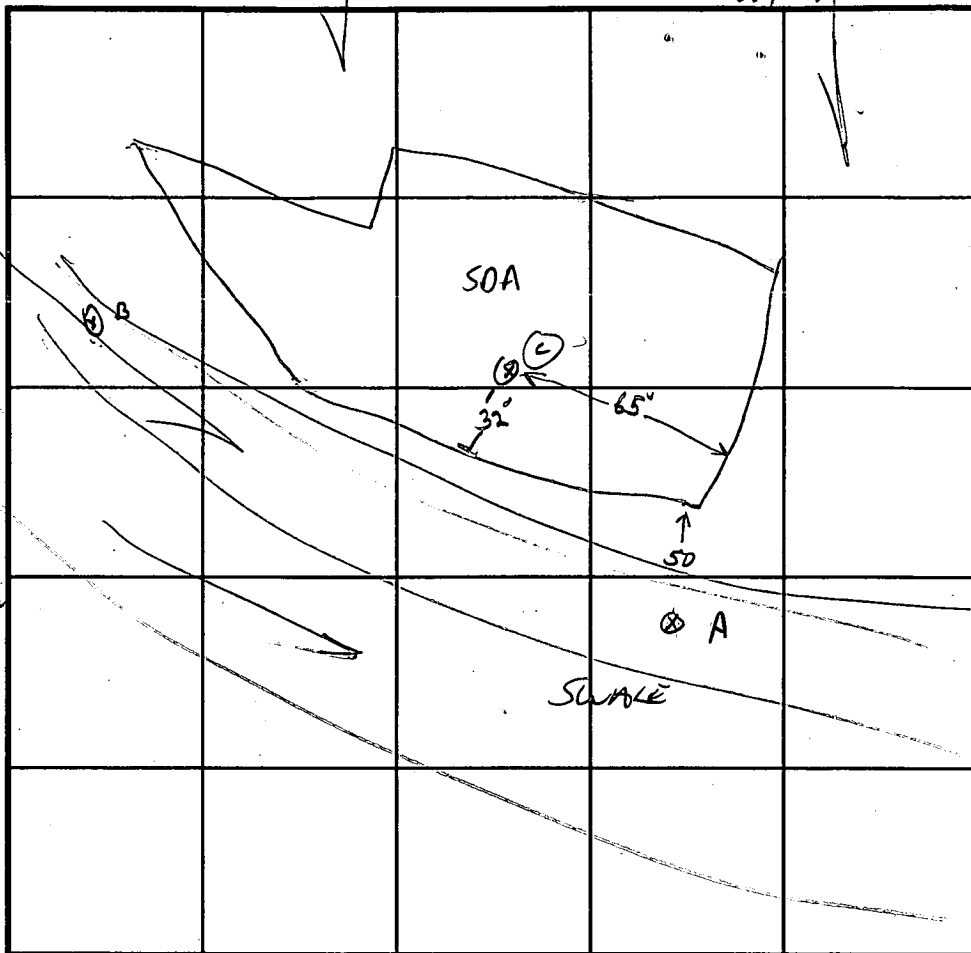
THIS IS NOT A PERMIT

42610
COUNTY #

F MISCY KNOW CT.

SOIL PROFILE C

0' TOPSOIL
1' ORANGE MOTTLED SSL
3' GREY, WHITE STREAKED SANDY SILT CLAY
1'9" PINK ORANGE SSL, MOTTLED + Mg ACCUMULATIONS AT BOUNDARY
11'9" VERY DAMP



SOIL PROFILE A

0' TOPSOIL
1' ORANGE MOTTLED SILTY SANDY CLAY AND GREY SANDY LOAM
7' DARK RED TARRANTS SSL
8' MOTTLED + Mg ACCUMULATIONS
11'6" WATER RUNNING IN

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-13-95	A						
	B SIMILAR TO A						
	C						

REMARKS EVIDENCE OF WATER TABLE ALL HOLES 1-3', WATER AT 8' IN A, B.

TYPE OF SOIL _____

TESTED BY G. SAVAGE ALSO PRESENT TIM RAGEN, C. WILLIAMS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

1
25
5
4

APPLICATION

PERCOLATION TESTING

A 42610

P _____

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

DISTRICT _____

DATE 10/13/95

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 JAMES SELERIDGE BUILDERS

ADDRESS 16013 MISSY KNOLL CT. PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION WAREHOUSES GRANT LOT NO. 6

ROAD AND DESCRIPTION _____

**BLDG. PERMIT SIGNED
AND RETURNED**

TAX MAP 13 PARCEL # 128

SIZE OF LOT _____ TYPE BLDG. _____
(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 [Signature] FOR SEED DATE 10/24/95

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

42610
COUNTY #

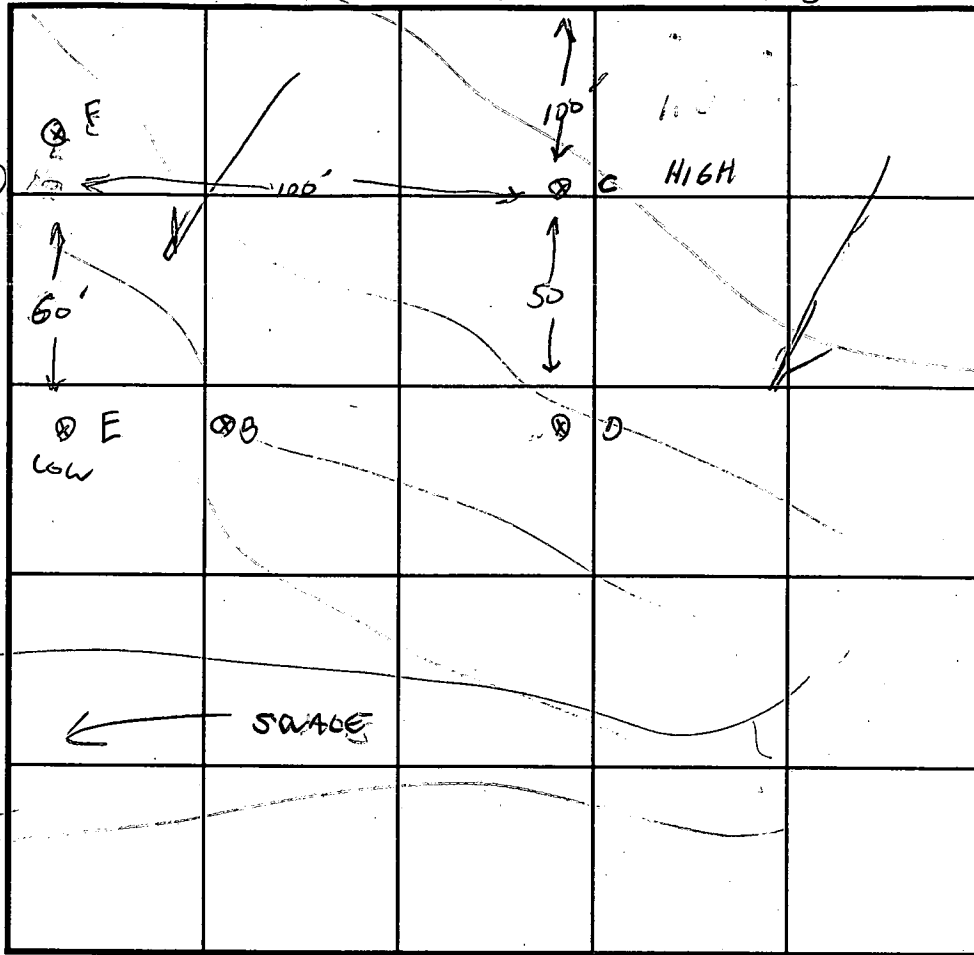
TREELINE 124.13 BACKLOT LINE

SOIL PROFILE

0' **(C)**
TOPSOIL
1' BROWN SANDY SILTY CLAY 10% S&H HARD SAPROLITE FRAGS ROCKETS at low clay + mottled rock FRAGS
12' DRY ok to 12'

SOIL PROFILE

0' **(B)**
1' TOPSOIL
BROWN SILTY
3' PINK SSL
12' 4" DRY ok to 12'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

1' **(D)**
TOPSOIL
RED BROWN SILTY CLAY LOAM
3' 6" MIXED COLORS MOSTLY DARK BROWN COARSE SILT 15% SAPROLITE FRAGS DAMP BELOW 7'

12' **(E)**
SINKER to D
ok to 12'
CSG FRAGS

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-13-95	OK to 12' B						
	OK to 12' C						
	OK to 12' D						
	OK to 12' E						
	OK to 12' F						
PUMPED SYSTEM REQUIRED TO UTILIZE THIS REPAIR AREA							

REMARKS HOLES DUG TO ESTABLISH A SEPERATE REPAIR AREA
 TYPE OF SOIL _____
 TESTED BY G. SAVAGE ALSO PRESENT TIM RAGEN
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 42610

P _____

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

*10/13/95 NO FEE -
ADDITIONAL
TEST*

DISTRICT 4TH

8-05-88 DATE _____

*TO CONFIRM/ADJUST
SCHEDULE AS NEEDED FOR PROPOSED 5 BR HOME
BP 61911*

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 Mr. Robert M. Warfield DVL, Inc

ADDRESS 2425 Daisy Road, Woodbine, Md. 21797 PHONE _____

PROSPECTIVE BUYER Carman Associates

ADDRESS P.O. Box 122, Ellicott City, Md. PHONE 854-6797

PROPERTY LOCATION:

SUBDIVISION Warfields Grant LOT NO. 6

ROAD AND DESCRIPTION West Side Daisy Road 16013 Misty Knoll Court

TAX MAP 13 PARCEL # 128

SIZE OF LOT 3 acres TYPE SFD (SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED
AND RETURNED 10-18-95
Serial # 61911
SFD-5 BRMS**

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.

Philip A. Mangley
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10-27-88 PERC SATISFACTORY - Hold for Permt. Saw

**BLDG. PERMIT SIGNED
AND RETURNED 12/2/92
Serial # 46273-SFD
4 Bedrooms**

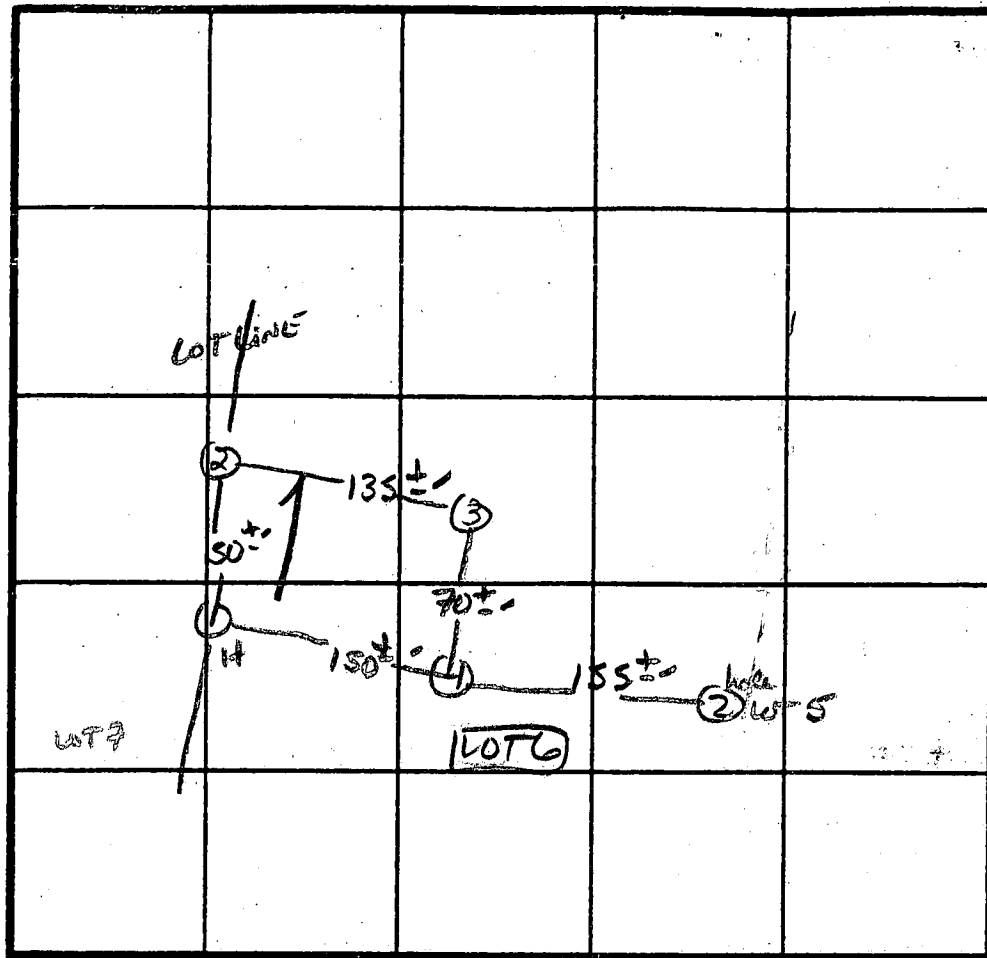
THIS IS NOT A PERMIT

HD-216

A-42610

SOIL PROFILE

0	AD
6"	Yellow Br Silty Clay loam 15-20% Frags
3.0'	Yellow Br micaceous Silty loam 15-25% Frags
3.5'	
12'	



X PERC
 8 min
 210' ALR
 Inlet 3.0'
 Bottom 5.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

ED Warfield Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/27/88	1S	3.5'	12:20	12:23	12:23	12:33	10 MIN
		8.0'	12:20	12:21	12:21	12:23	2 MIN
	1V	12"	As Profiled				
	2S	3.5'	12:23	12:31	12:31	12:48	17 MIN
		12.5'	As Profiled				
	3S	3.5'	12:24	12:29	12:29	12:35	6 MIN
		12"	Similar to Profile w/ less frags				
	4S	3.5'	12:28	12:31	12:31	12:34	3 MIN
		12"	similar to Profile w/ less frags				

REMARKS Holes Diff. Dam Plat. Shallow Syst. Bay - Landscape Position

TYPE OF SOIL Glenelg

TESTED BY S. Abel

ALSO PRESENT Phil M. Ruby,
 Anthony C. Cissel

C1 6657 SEQUENCE NO. (DENV 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)

COUNTY NUMBER A42610

ST/CO USE ONLY DATE Received 1/25/92 DATE WELL COMPLETED 11/20/92

Depth of Well 200 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" A4-92-0292

OWNER last name first name TOWN Daisy SUBDIVISION WARE-LNS SECT SECTION LOT 6

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Rows include Overburden, Gray, Brown-white, Gray, White, Gray.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 24 NO. OF POUNDS 2256

CASING RECORD casing types insert appropriate code below (ST, CO, PL, OT) MAIN CASING TYPE (PL) Nominal diameter top (main) casing (nearest inch) 6 (b) Total depth of main casing (nearest foot) 84

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

SCREEN RECORD screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT) DEPTH (nearest ft) 1 HO 82 200

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 20 METHOD USED TO MEASURE PUMPING RATE 1902 WATER LEVEL (distance from land surface) BEFORE PUMPING 21 WHEN PUMPING 23 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) (F) above LAND SURFACE (nearest foot) 02

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 IDENT. NO. m009 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

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

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) Ed warfield No Survey Stake

COUNTY

 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: May 21, 1996 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) not know to this driller

40-92-0242

* PERMIT NUMBER OF REPLACEMENT WELL

40-94-0788

* PERSON ABANDONING WELL: Ralph Mayne, well Drilling

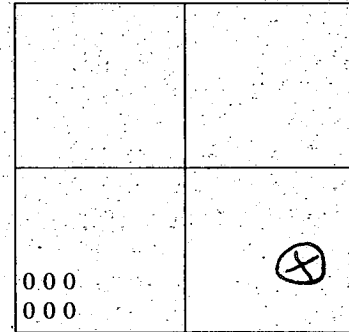
WELL DRILLERS LICENSE NUMBER: 116

* OWNER'S NAME: SEFRIDGE Builders

CIRCLE: MWD / MSD / MGD

* WELL LOCATION:

COUNTY: Howard
 NEAREST TOWN: DAISY
 TAX MAP _____ BLOCK _____ PARCEL _____
 SUBDIVISION: WAREHENS GRANT
 SECTION: - LOT: 6



SHOW WELL LOCATION BY X WITHIN BOX

MARYLAND GRID COORDINATES

BOX NUMBER
 E 770
 N 530

* TYPE OF WELL BEING ABANDONED:

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

* USE CODE:

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

* TYPE OF CASING:

- STEEL
- CONCRETE
- PLASTIC
- OTHER (specify) _____

* SIZE OF CASING: 6 1/4 INCHES IN DIAMETER

* DEPTH OF WELL: 89 FEET DEEP

* WAS ANY CASING REMOVED? YES _____ NO
 if yes, length removed, in feet: 4

* WAS CASING RIPPED OR PERFORATED? _____ YES NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Blue Stone	89	25
#2 Cement	25	-4

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN Ralph Mayne

LICENSE # 116

CIRCLE ONE MWD / MSD / MGD

DATE 5/21/96

6/7/96 logged DKS
 Lab No. Date Received

C305044 E23 8

SE: 11 A: d-MUL 02 03 22

WATER ANALYSIS

Do not write above this line.

S
A
M
P
L
E
I
D

Bottle Number HO-2654 Name SELERIDGE BUILDERS County HOWARD County Code 13

Source WAREHOUSES GRANT LOT 6, 16013 MISTY KADLE CT. Date Category Code 4E

Collected: Date 5-22-96 Time 10:30 Collector & Phone G. SAVAGE 9313-2642 Submitter Code 7

CHECK (one per box)

Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (raw water) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input type="checkbox"/>		Special <input type="checkbox"/>

Federal Project 5

F
I
E
L
D

Plant No. Sampling Station Preservation: Iced Acid Type of Acid H2SO4

pH Chlorine: Free Total Specific Conductance

Notes to Lab/Remarks: WELL TAG # HO-94-0788, FIELD PH 36.6 *JLJ*

SAMPLE GOT WARM

CHECK TESTS	TESTS	CODES	ERROR CODE	G/L	RESULTS	DATE ANALYZED	ANALYST INITIALS
	Alkalinity (Total)	00410					
	Alkalinity, Ca CO ₃ Sat.	74023					
	Ammonia - N	00608					
	Chloride	00940					
	Color*	00081					
	Conductance*, spec.	00095					
	Dissolved Solids	70300					
	Hardness	00900					
	Fluoride	00951					
	Nitrite, N	00615					
✓	Nitrate - Nitrate, N	00630			6.4	5-28-96	BK
	pH*, Ca CO ₃ SAT	70311					
	Sulfate	00945					
	Total Solids	00500					
	Turbidity*	00076					
	Other:						

* Results reported in Units, all others in milligrams per liter (ppm)

Number of Tests Requested 01

Section Chief Asoka I. Katumuluwa

Date Reported MAY 30 1996

RECEIVED
 HOWARD CO. HEALTH DEPT.
 ENVIRONMENTAL HEALTH
 96 JUN -6 A 11: 32

Partial List of Submitter Codes

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
1-30	County Codes	53	Chesapeake Bay & Special Projects
41	Individual Septics & Wells Program	59	Standard & Certification Program
42	Water Supply Program	63	Division of Food Control
43	Recreational Sanitation & Migrant Camps, DHMH	64	Engineering & Maintenance, DHMH
44	STP Inspection Division	65	Division of Community Services
45	Hazardous & Solid Waste Admin. (Landfill Samples)	66	Office of Attorney General
46	Pre-Treatment Enforcement Division	67	Dept. of General Services
48	Licensing and Certification, DHMH	77	E.P.A.
52	Water Quality Monitoring Program	91	State Highway Administration
		96	L.U.S.T./U.S.T./CERCLA
		99	Unknown

Codes for Federally Funded Projects (leave box blank if not federal)

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
S	Safe Drinking Water Act (SDWA)	N	National Pollution Discharge Elimination System (NPDES)
R	Resource Conservation and Recovery Act (RCRA)	M	Miscellaneous (Other)

Partial List of Data Category Codes

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
1F	Sediment Samples	2F	Innovative Disposal
2A	Industrial Effluents/Compliance	5A	Solid Waste/Landfills
2B	Industrial Grab	5B	Kidney Dialysis
2C	Municipal Compliance	5C	Commercial Bottled Waters
2D	Municipal Grab	5D	Misc. Wastewaters
4A	MCL Surveys	5E	Misc. River/Stream
4B	Routine Monitoring & Other Communities	5F	Misc. Drinking Water
4D	Potable - County Community	5G	Swimming Pools
4E	Potable - Non Community	5H	Marine or Estuarine Natural Bathing Areas
4F	Potable - Private Wells		
4G	Real Estate Trans./Charge Samples		

Partial List of Error Codes

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
A	Laboratory Accident	J	Wrong sample type
C	Mechanical/Materials failure	RR	No sample received
D	Insufficient Sample	X	Improper preservation
E	Sample past holding time	LL	Mislabeled sample

C1 4599 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 COLUMNS 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A-42610

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 052196

Depth of Well 140 (TO NEAREST FOOT)

9/8/96 ml

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-0788

OWNER SEAFRIDGE BUILDERS STREET OR RFD 16013 MISTY KNOLL CT TOWN WOODBINE SUBDIVISION WARFIELD'S GRANT SECTION LOT 6

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 (0-2), Brown Shale (2-50), Flint Rock (50-55), Brown Shale (55-80), Blue Slate (80-85), Brown Slate (85-90), Blue Slate (90-95), Brown Slate (95-100), Blue Slate (100-140).

GROUTING RECORD. WELL HAS BEEN GROUTED (Y) (N). TYPE OF GROUTING MATERIAL (Circle one): CEMENT (CM), BENTONITE CLAY (BC). NO. OF BAGS 28, NO. OF POUNDS 2800. GALLONS OF WATER 168. DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 30+ ft.

CASING RECORD. casing types insert appropriate code below. MAIN CASING TYPE: PL (60-61), Nominal diameter top (main) casing (nearest inch): 6 (63-64), Total depth of main casing (nearest foot): 90 (66-70).

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

SCREEN RECORD. screen type or open hole insert appropriate code below. ST (STEEL), BR (BRASS BRONZE), PL (PLASTIC), HO (OPEN HOLE), OT (OTHER).

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED: YES (Y) NO (N)

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

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

TYPE: MWD/MSD/MGD 116 DRILLERS LIC. NO. Ruth Mayne

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 117

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

DEPTH (nearest ft.) A1 HO 88 140 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20 A21 A22 A23 A24 A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36 A37 A38 A39 A40 A41 A42 A43 A44 A45 A46 A47 A48 A49 A50 A51

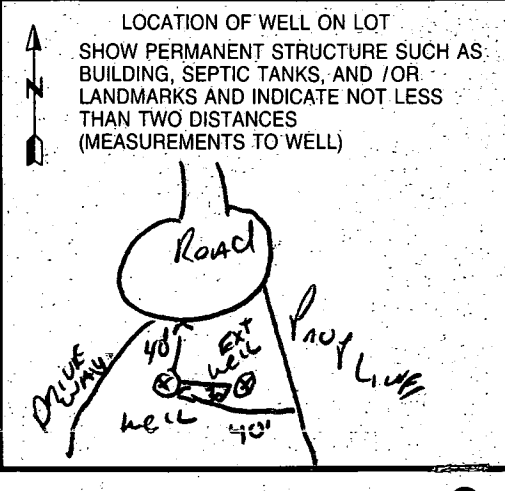
SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

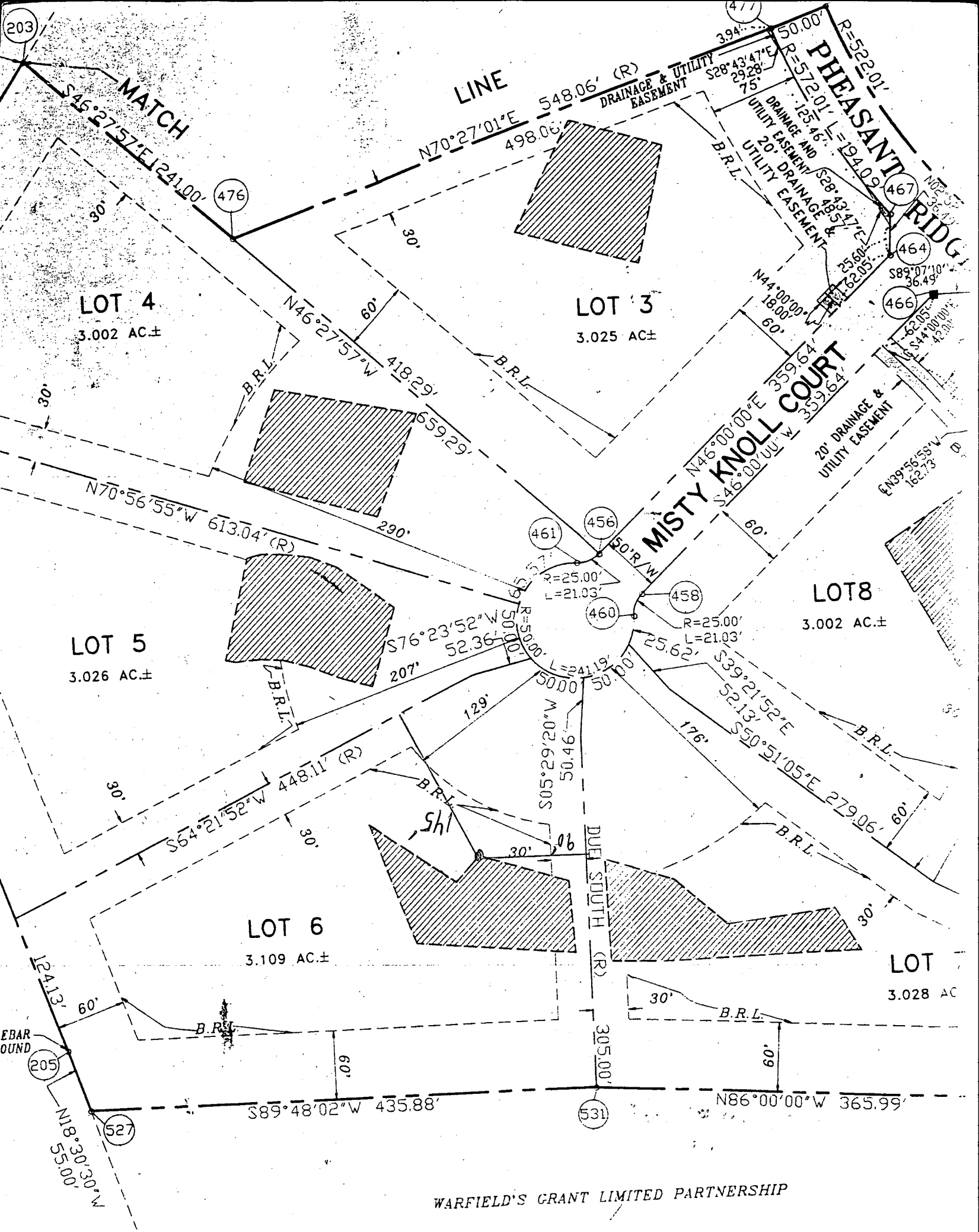
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68. MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.) T W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST 2 HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 13 ft. WHEN PUMPING 24 ft. TYPE OF PUMP USED (for test) 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 LAND SURFACE 2 (nearest foot)





203

MATCH

LINE

PHEASANT RIDGE

MISTY KNOLL COURT

DUE SOUTH (R)

LOT 4
3.002 AC±

LOT 3
3.025 AC±

LOT 5
3.026 AC±

LOT 6
3.109 AC±

LOT 8
3.002 AC±

LOT
3.028 AC

476

461

456

458

460

464

466

205

527

531

WARFIELD'S GRANT LIMITED PARTNERSHIP

N18°30'30"W
12413'

S46°27'57"E 124100'

N70°27'01"E
498.06'

548.06' (R)
DRAINAGE & UTILITY
EASEMENT

50.00'
R=572.01'
L=194.02'
DRAINAGE AND
UTILITY EASEMENT
20' DRAINAGE &
UTILITY EASEMENT

N46°27'57"W
418.29'

N46°00'00"E
359.64'

N70°56'55"W
613.04' (R)

S76°23'52"W
52.36'

R=25.00'
L=21.03'

S64°21'52"W
448.11' (R)

S05°29'20"W
50.46'

S39°21'52"E
52.13'

S50°51'05"E
279.06'

S89°48'02"W
435.88'

N86°00'00"W
365.99'

659.29'

50.00'
R=50.00'
L=24.19'

50.00'

50.00' (R)

305.00'

60'

E139°56'55"W
162.73'

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

B.R.L.

20' DRAINAGE &
UTILITY EASEMENT

shl

06

30'

30'

30'

30'

30'

30'

30'

N44°00'00"
18.00'

S89°07'10"
36.49'

S44°10'00"
42.00'

S62°05'
52.05'

S44°10'00"
42.00'

E139°56'55"
162.73'

S44°10'00"
42.00'

S62°05'
52.05'

S44°10'00"
42.00'

E139°56'55"
162.73'

S44°10'00"
42.00'

S62°05'
52.05'

S44°10'00"
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E139°56'55"
162.73'

S44°10'00"
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S62°05'
52.05'

S44°10'00"
42.00'

E139°56'55"
162.73'

S44°10'00"
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S62°05'
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E139°56'55"
162.73'

S44°10'00"
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S62°05'
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S44°10'00"
42.00'

E139°56'55"
162.73'

S44°10'00"
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S62°05'
52.05'

S44°10'00"
42.00'

E139°56'55"
162.73'

S44°10'00"
42.00'

S62°05'
52.05'

S44°10'00"
42.00'

E139°56'55"
162.73'

S44°10'00"
42.00'

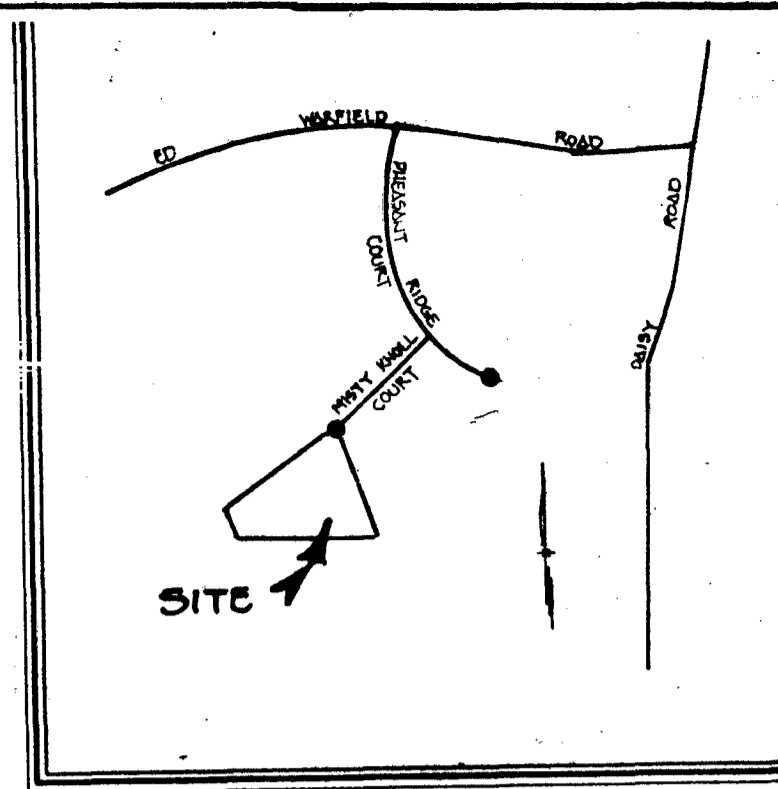
S62°05'
52.05'

S44°10'00"
42.00'

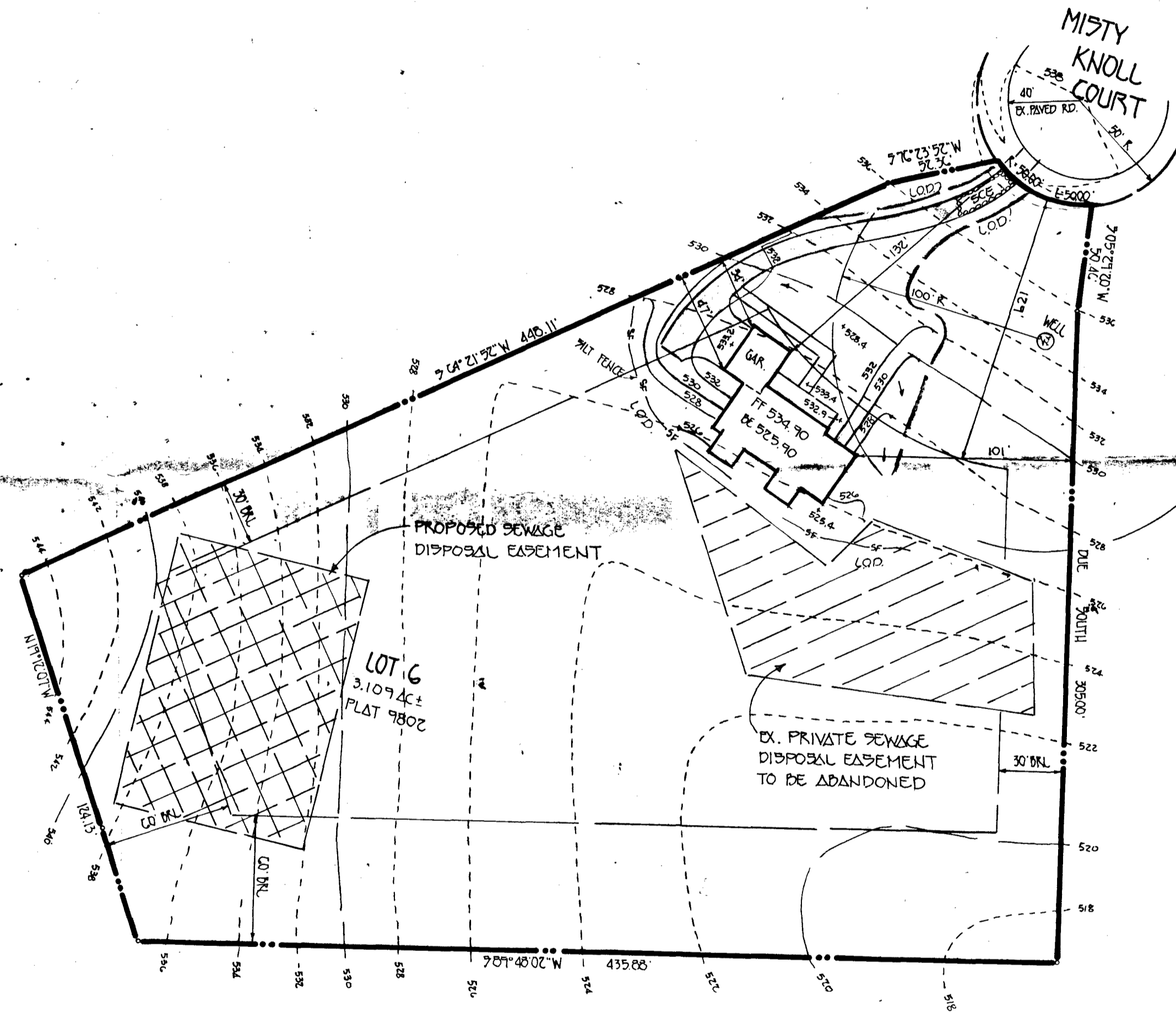
E139°56'55"
162.73'

S44°10'00"
42.00'

S62°05'
52.05'



VICINITY MAP
SCALE: 1" = 1200'



GENERAL NOTES:

1. [Hatched Area] THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. [Diagonal Lines Area] THIS AREA DESIGNATES AN EXISTING PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET. THIS EASEMENT IS TO BE ABANDONED.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. THE PURPOSE OF THIS PLAT IS TO REVISE THE EXISTING PRIVATE SEWERAGE EASEMENT TO THE LOCATION SHOWN HEREON.
5. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
6. (W) DENOTES WELL LOCATION.
7. (PH) DENOTES PERC HOLE LOCATION.

SIGNED
WARFIELD'S GRANT
LOT 6

TAX MAP 13 ZONING R P/O PARCEL 128
FOURTH ELECTION DIST. HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: OCTOBER 20, 1995

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.
[Signature]
COUNTY HEALTH OFFICER
10-26-95
DATE

ENGINEER'S CERTIFICATE

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.

SIGNATURE OF ENGINEER _____ DATE _____

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 NECESSARY.

SIGNATURE OF DEVELOPER _____ DATE _____

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION DISTRICT _____ DATE _____

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

DISTRICT HOWARD SOIL CONSERVATION DIST. _____ DATE _____

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (315-1955).
- 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 RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1 CHAPTER 7, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 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, SOO, TEMPORARY SEEDING, AND MULCHING (SEE C.G.) TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW 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 DISTURBED SITE	3.1079	ACRES
AREA DISTURBED	0.39	ACRES
AREA TO BE ROOFED OR PAVED	0.10	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.6171	ACRES
TOTAL CUT		CU.YDS.
TOTAL FILL		CU.YDS.
- OFF-SITE WASTE/DISPOSAL AREA LOCATION _____ CU.YDS. _____
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 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.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

SEQUENCE OF CONSTRUCTION

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

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

SOIL AMENDMENTS

APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (07 LBS./1000SQ.FT.) FOR THE PERIOD NOVEMBER 15 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 SOO.

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 MULCH ANCHORING TOOL OR 230 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 6 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1986 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION

LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS

APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 800 LBS. PER ACRE FERTILIZER (4 LBS./1000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE (1.5 LBS./1000 SQ.FT.) OF -20-20 F.FERTILIZER.

SEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 80 LBS./ACRE (4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROJECT SITE BY: OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOO. OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEDED.

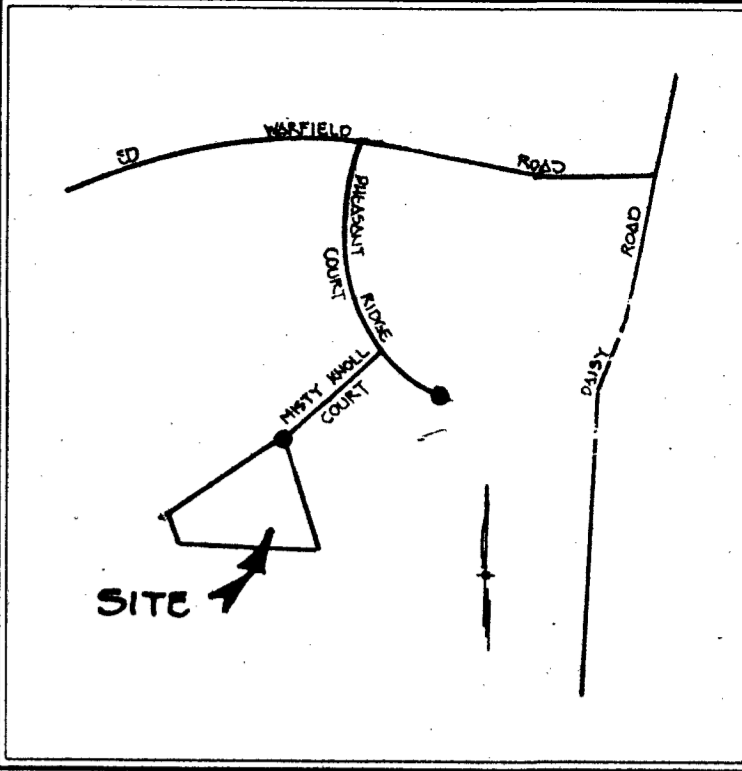
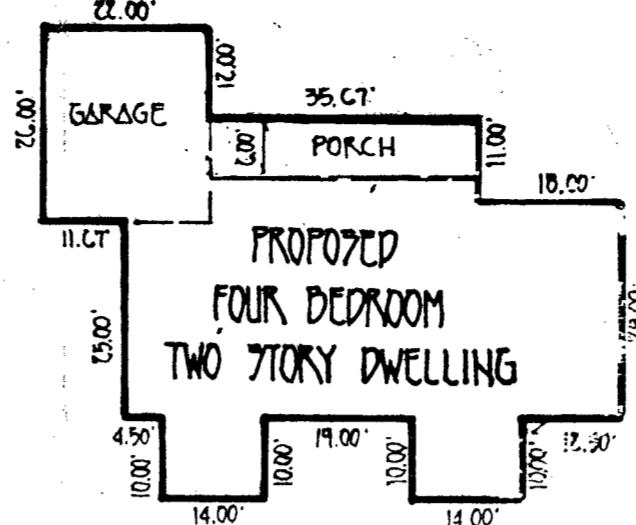
MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (80 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 6 FEET OR HIGHER USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE

INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

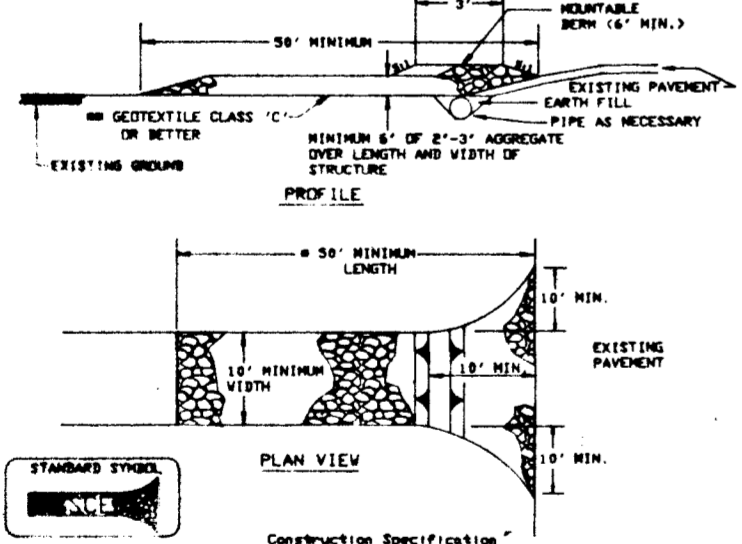
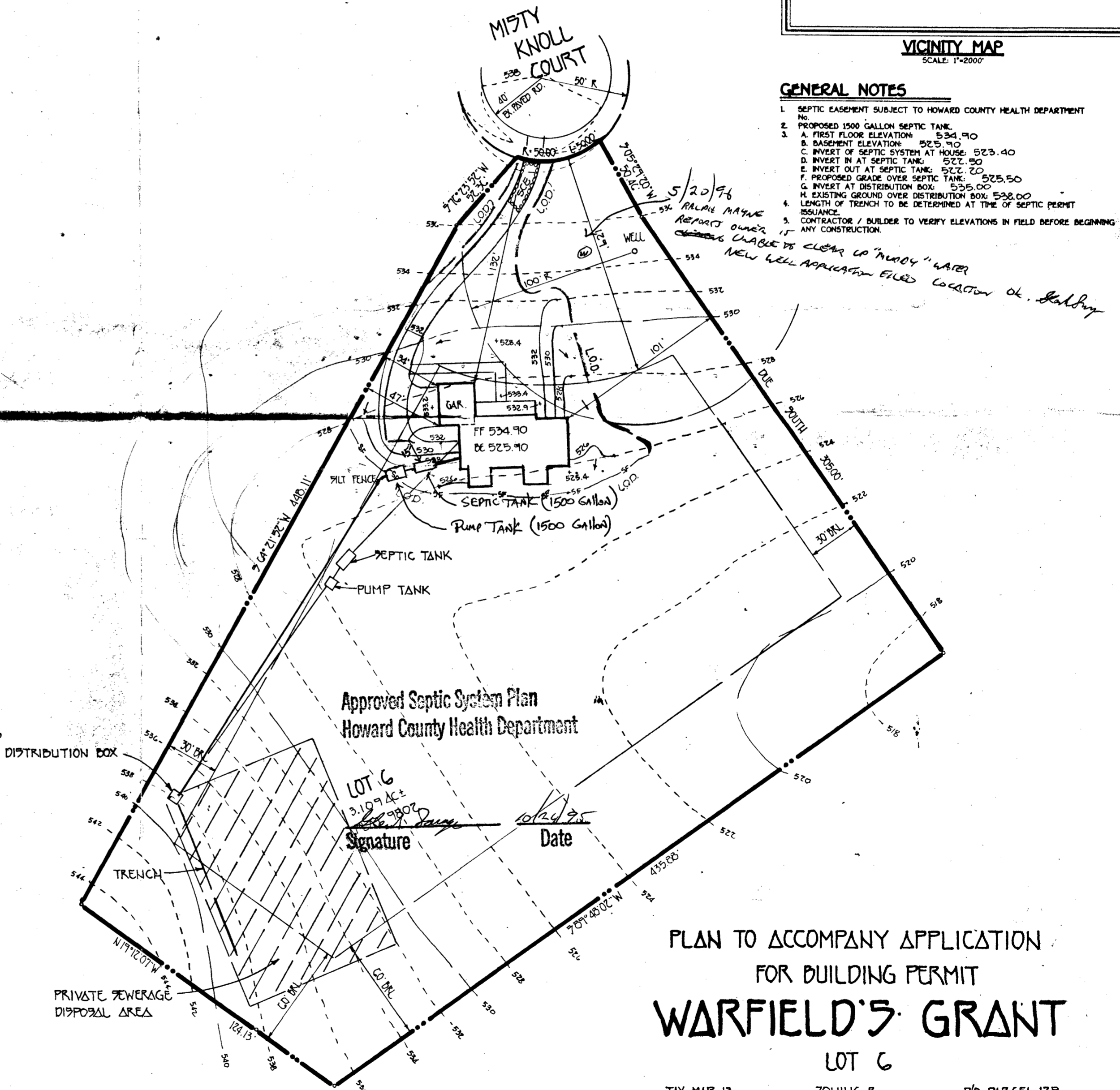
FOR PUBLIC PONDS SUBSTITUTE CHEERING CROWMETCH AT 15 LBS./ACRE AND KENTUCKY 31 FESCUE AT 12 1/2" DIAMETER. THE SEEDING REQUIREMENT, OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



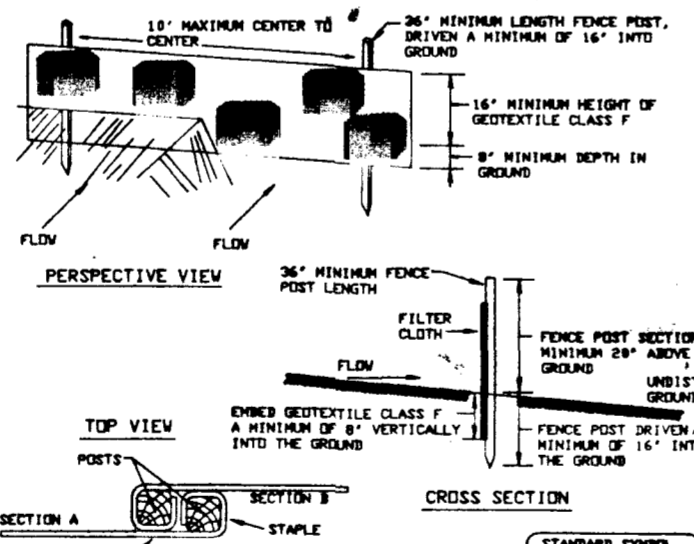
VICINITY MAP
SCALE: 1"=200'

GENERAL NOTES

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
 - PROPOSED 1500 GALLON SEPTIC TANK
 - FIRST FLOOR ELEVATION: 523.90
 - BASEMENT ELEVATION: 523.90
 - INVERT IN AT SEPTIC TANK: 522.50
 - INVERT OUT AT SEPTIC TANK: 522.20
 - PROPOSED GRADE OVER SEPTIC TANK: 525.50
 - INVERT AT DISTRIBUTION BOX: 525.00
 - EXISTING GROUND OVER DISTRIBUTION BOX: 526.00
 - LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
 - CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- 5/20/96 RALPH MAYNE REPORT OWNER'S COMMENTS: CABLE TO CLEAR UP "MUDY" WATER. NEW WELL APPLICATION FILED LOCATION Ok. Johnny*



- STABILIZED CONSTRUCTION ENTRANCE - 2**
NOT TO SCALE
- Length - minimum of 30' (80' for single residence lot).
 - Width - 10' minimum, should be placed at the existing road to provide a turning radius.
 - 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.
 - 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.
 - 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 mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe shall 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.
 - 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.



- SILT FENCE**
NOT TO SCALE
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) oak, or 1 1/2" 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.
 - 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: HMT 509
Tensile Modulus	20 lbs/in (min.)	Test: HMT 509
Flow Rate	0.2 gal per minute (max.)	Test: HMT 322
Filtering Efficiency	75% (min.)	Test: HMT 322
 - Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
 - Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
410) 461 - 2955

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT WARFIELD'S GRANT LOT 6

TAX MAP 13 ZONING R P/O PARCEL 12B
FOURTH ELECTION DIST. HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: OCTOBER 20, 1995
APPROVED 10/24/95