

3/5/98
a.m. c.o.
3/18/98
10:30 11:30
meet installer

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-306372

P 59228

A 56470

DISTRICT 3rd

DATE 11/27/97

DATE SYSTEM APPROVED 3/18/98

INSPECTOR [Signature]

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 313-2640

INDEXED

J. Joseph Gartland

IS PERMITTED TO INSTALL ALTER

ADDRESS 1835 W Old Liberty Rd, West, 21187 PHONE 875-2400

SUBDIVISION Laukenmann Property LOT 3 ROAD 1110 Driver Road

PROPERTY OWNER Wilder Building Corp.

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS TOP SEAMED TANK PUMP SYSTEM

NUMBER OF BEDROOMS 4 INSTALL: 1-1000 Gallon Pump Chamber (Top Seamed)- Single/Dual Effluent Pumps and Controls with Alarms.
180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240 Contractor to supply pump detail prior to issuance of septic permit.

TRENCHES - Trench to be 3 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 2.5 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Begin trenches 695 feet up the left (1083.96) lot line and 40 feet off that same lot line as seen from Driver Road. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 1/20/97 DKS

PLANS APPROVED BY Amy McMillen DATE 01/21/97

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**

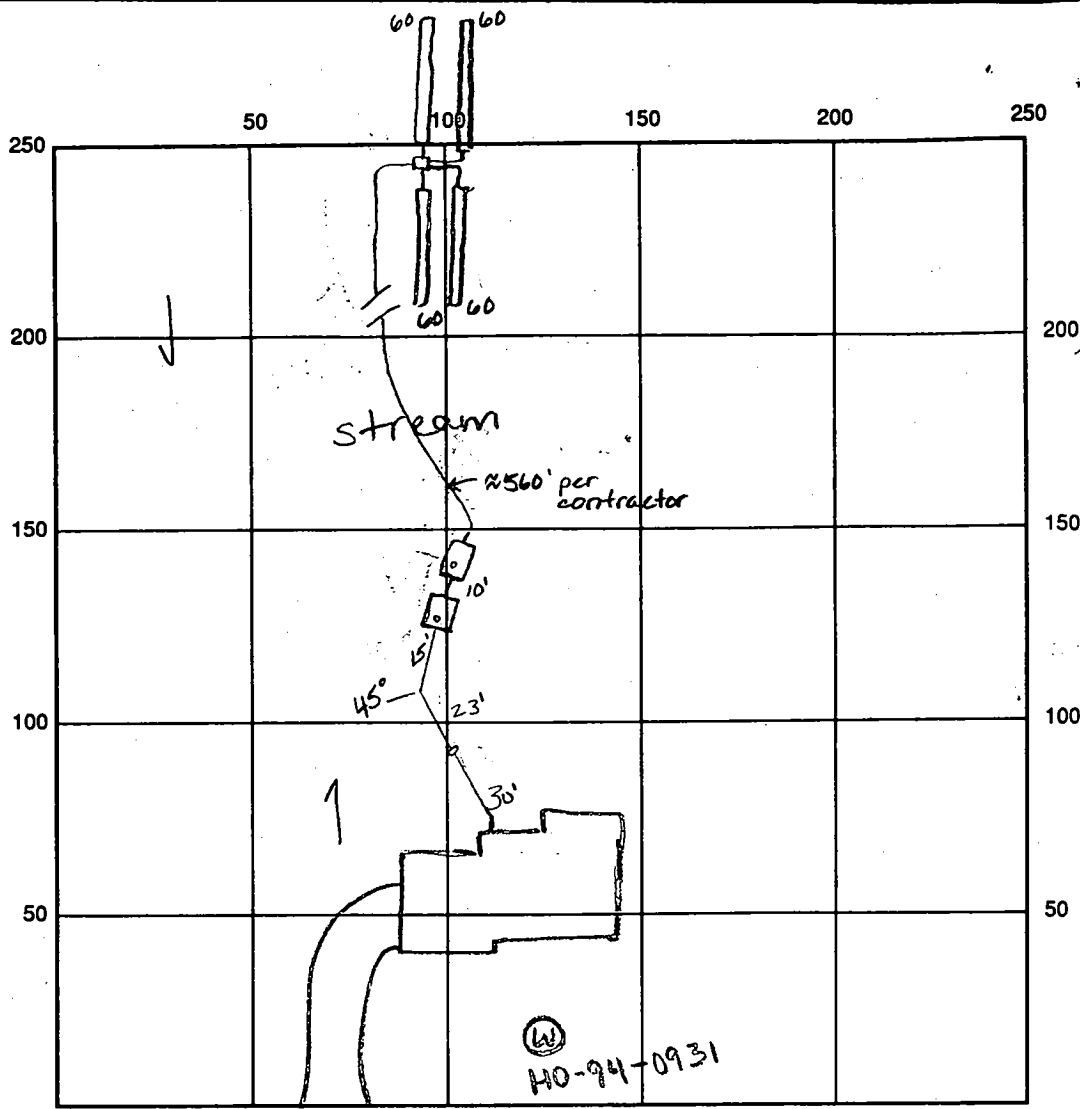
HD-260(6-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

BLDG. PERMIT SIGNED AND RETURNED 2-27-98

Serial # B1110148
deck

A
56470



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Driver Road

SEPTIC TANK LEVEL 1500 gallon top sealed / 1000 gallon top sealed / Septic tank / pump pit CLEANOUTS 1 on tank, 1 on pump pit, 1 on line
 DISTRIBUTION BOX LEVEL _____
 DRAIN FIELD/TITLE DEPTH 4.5 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 2.5 FT.
 EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 240 FT.
 NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT. $\frac{240}{30}$
 DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.
 ABSORBENT AREA _____ SQ. FT.

REMARKS: 3/5/98 ok to continue, 2" pressure pipe used from pump pit to distribution box, line 3' below stream, needs to be sleeved (W)
3/6/98 OK to cover all work - call for septic pump performance test - line through stream sleeved per contractor. (ACM)
Pump Test OK, alarm OK RP 3/18/98

3/6/98 WPT OK ALL
 DATE SYSTEM APPROVED 3/18/98 INSPECTOR [Signature]

4/10/96
10:00

APPLICATION

PERCOLATION TESTING

A 56470

P _____

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

DISTRICT #3

DATE 3/4/96

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 WILDER BUILDING CORPORATION

ADDRESS # 3243 SONIA TRAILS PHONE (410) 461-2522
ELLICOTT CITY, MD. 21043

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS N/A PHONE N/A

PROPERTY LOCATION:

SUBDIVISION "LAUKENMANN PROPERTY" PLAT #4180 LOT NO. #3
LOTS #3, 4 & 5, A RESUBDIVISION OF LOT #1

ROAD AND DESCRIPTION 1110 DRIVER ROAD

BLDG. PERMIT SIGNED

~~AND RETURNED~~ 1/21/96

Serial # B7105389
(4 Bldgs)

TAX MAP 10 PARCEL # 295 GRID # 10

SIZE OF LOT 3.977 AC± TYPE BLDG. SINGLE FAMILY DWELLING
(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. Wilder Bldg Corp. 3/5/96
(SIGNATURE OF APPLICANT) AGENT FOR
WILDER HOMES

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

A56470
COUNTY #

SOIL PROFILE B

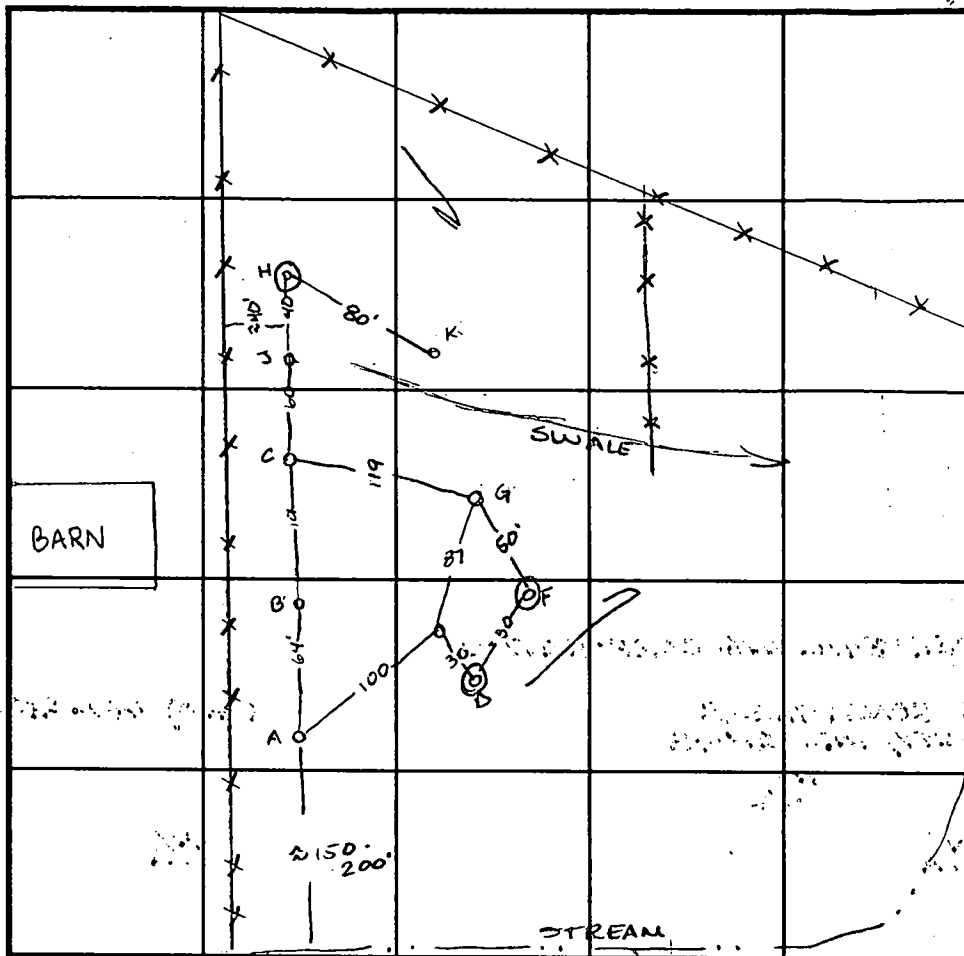
0'
dark red brn silclm
3.0
yellow orange mixed salm
mottled appearance
probably from parent rock
12.0

A

red orange silclm
lgt tan w/ pockets of grey salm
10% grey rock frags
9.0 refusal

G

orange beige silclm
2.0
grey w/ yellow pockets salm
swirled appearance
10.0 water



SOIL PROFILE C

0'
looks like G - no H₂O
12.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-10-96	A	2.0 V 9.0	10:13	10:30	min	—	slow
	A	5.0 V 9.0	11:18	12:00	12:00	12:05	5min
	B	2.0 V 12.0	10:55	-> 30 min	—	—	slow
	B	4.5 V 12.0	10:47	10:49	10:49	10:51	2min
	C	Visual only	- see profile		—	—	OK
	D	Refusal at 6.0	—		—	—	F
	E	3.0 V 12.0	12:06	12:08	12:08	12:10	2min
	F	Refusal at 2.0'	—		—	—	F
	G	2.0 V 10.0	2:11	2:20	2:20	2:38	18min
	H	Refusal at 5.0	—		—	—	F

REMARKS uncertainty on success with getting 10,000 ft² - hold for plat

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Chuck Crowe

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4 min TRENCH WIDTH 3.0

INLET DEPTH 2.5 MAXIMUM BOTTOM DEPTH 4.5 SQ. FT./BEDROOM 180 ft²

Test holes used: B, C, J, E

APPLICATION

PERCOLATION TESTING

A 56470

P _____

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

DISTRICT _____

DATE 3/15/96

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 Wilder Building Corp.

ADDRESS 3243 Sonia Trails Ellicott City 21043 PHONE 410 1461 2522

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION LAUKENMANN PROPERTY LOT NO. #3

ROAD AND DESCRIPTION DRIVER ROAD

TAX MAP 10 PARCEL # 295 Grd 10

SIZE OF LOT 3.977 AC 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 _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

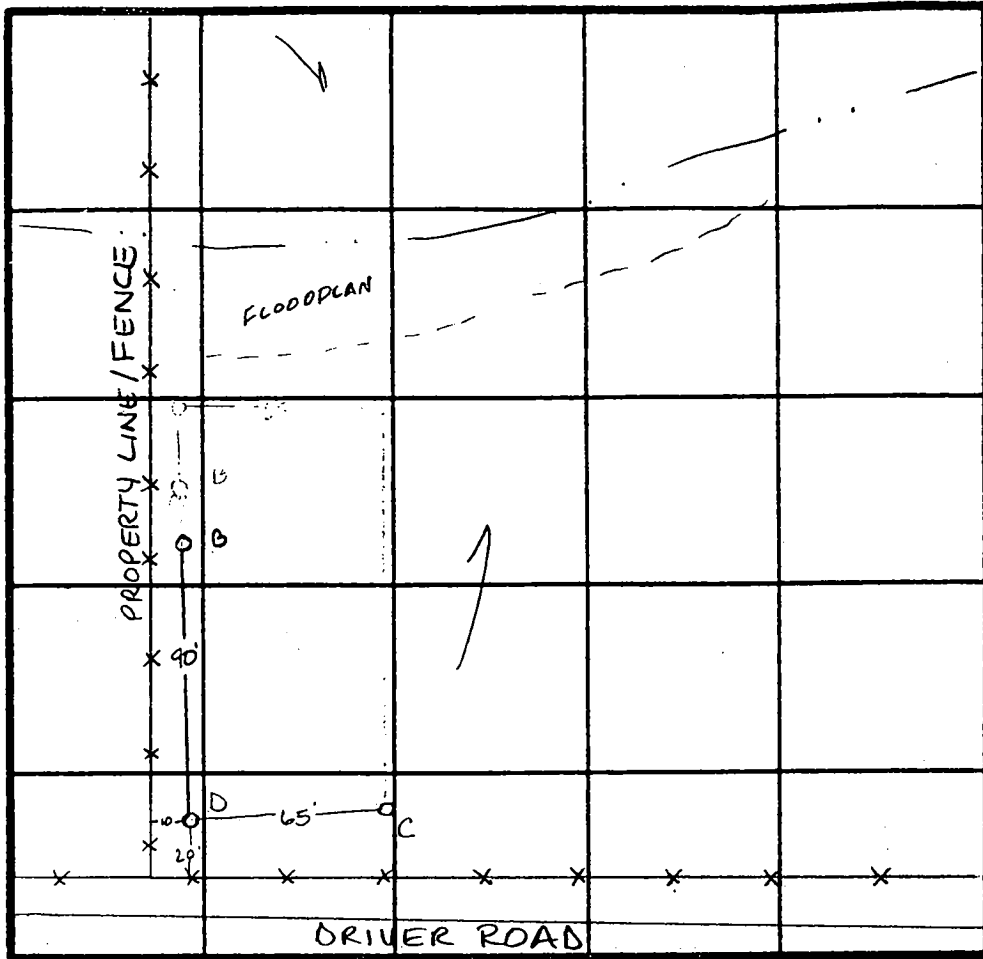
REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

A 56470

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	
4-10-96	D	Not dug	_____		_____		
	C	Refusal at 4.5	_____		see profile		F
	B	Refusal at 5.0	_____		see profile		F

REMARKS These tests confirm "failing condition" at front of property

TYPE OF SOIL _____

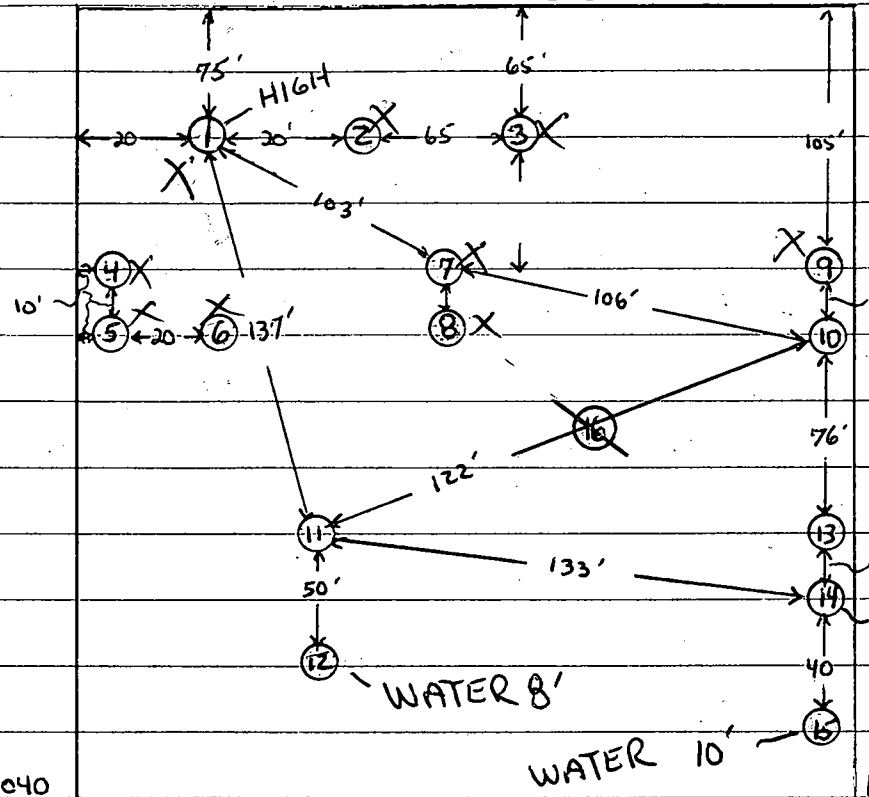
TESTED BY Amy McMillen ALSO PRESENT Chuck Crovo

(GLK)

Driver Road 210

2 DAYS ON THIS LOT (24th + 25th)

Wilder supervised placement of holes while I was occupied on other lots. Each day numerous holes had been opened & closed before I could see them. On 25th wilder had 4 "good" holes (①, ⑩, ⑬, ⑭). When I found that hole ① was solid rock at 9' (could not be dug) I dug one last hole in the center at ⑩ which was solid rock at 4'. Wilder may test back portion of lot

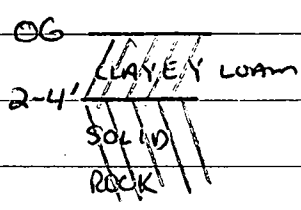
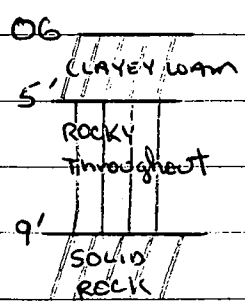


Hard mica-like rock

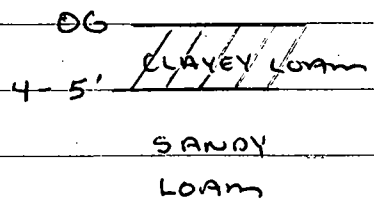
Elevation differences

- ① → ⑫ ≈ 3'
- ⑫ ≈ ⑮
- ⑭ → ⑮ ≈ 2-3'

Hole ① Hole ②-⑨



Hole ⑩, ⑪, ⑬, ⑭



PRELIMINARY

APPLICATION

A 28486

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

Rejected

DISTRICT 3rd

DATE 7/13/78

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 Laukenmann property (Contract Purchaser - Joseph Wilder)

ADDRESS 3430 Birch Hollow Road, Balto., Md. 21208 PHONE Boender - 465-7777

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 1 ^{New lot} ₃₀₀ F7911

ROAD AND DESCRIPTION Driver Road

SIZE OF LOT 3 acres m/1 TYPE BLDG. 3 or 4 bedrooms
NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Joseph Wilder

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY J. Keller FOR Any DATE 8/25/79
(KIND OF SYSTEM)

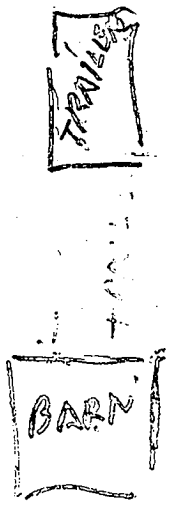
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING Rock (shallow depths) (GLK)

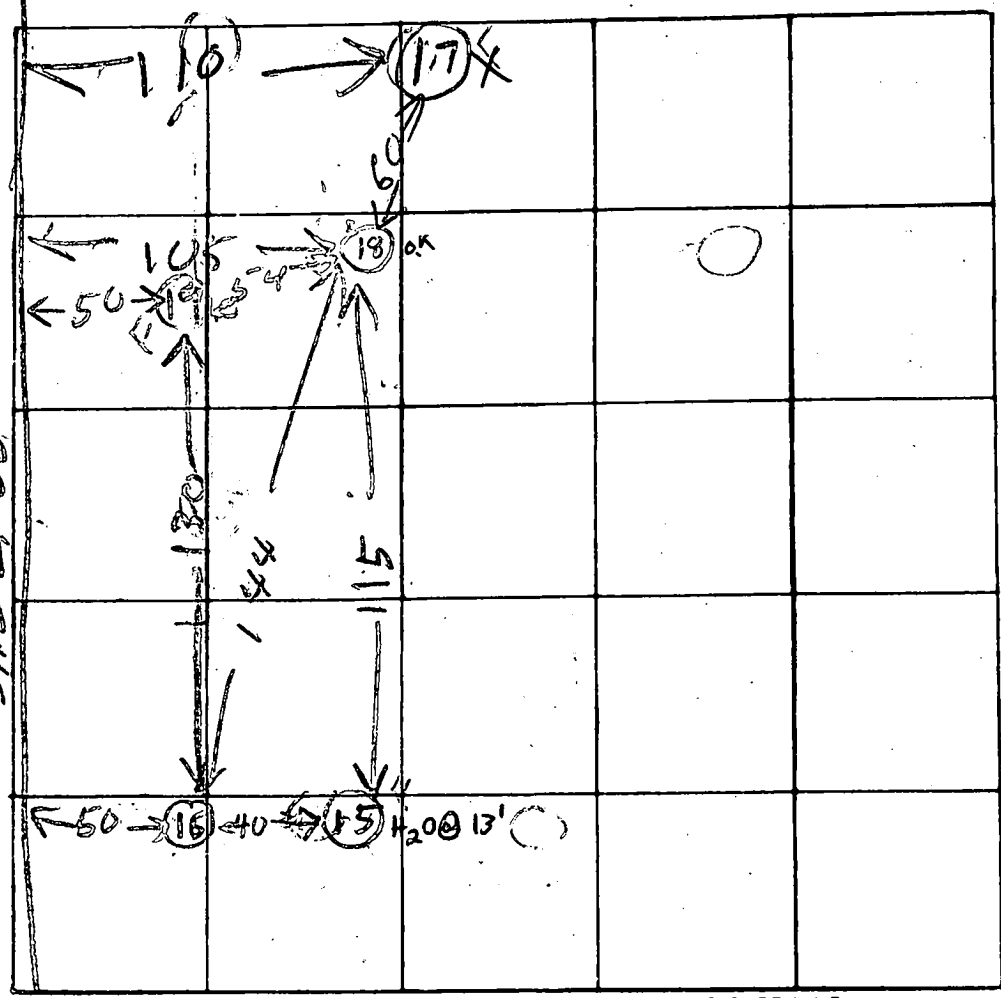
THIS IS NOT A PERMIT

A 28486
 LOT 1, NEW LOT 3
 ON E 7911

NEXT LOT



SIDE LING 1090 FT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DRIVER AP

DATE	TEST NO.	DEPTH	PRE-WET		TEST 1" DROP		TIME
			START	STOP	START	STOP	
8/25/79	11S	m	240	242	242	245	3
	11D	m	239	242	242	247	5
9/8/78	15S	4 1/2	214	215	215	218	3
9/8/78	15D	13 1/2	ALL SAND WATER 13 FT				
	16S	4	234	242	SLOW		
	16D	12	TOP 4 FT CLAYISH ALL SAND				
	16M	5	244	324	247	258	9
	17V	6	SAND & ROCKS ROCK BOTTO		DRY		
	18S	3	333	334	334	335	4
	18S	1L	ALL SAND		DRY		
	19V	8 1/2	TOP MID	2 FT CLAY	5' SAND ROCK BOT		

REMARKS see attached

TYPE OF SOIL Rocky throughout

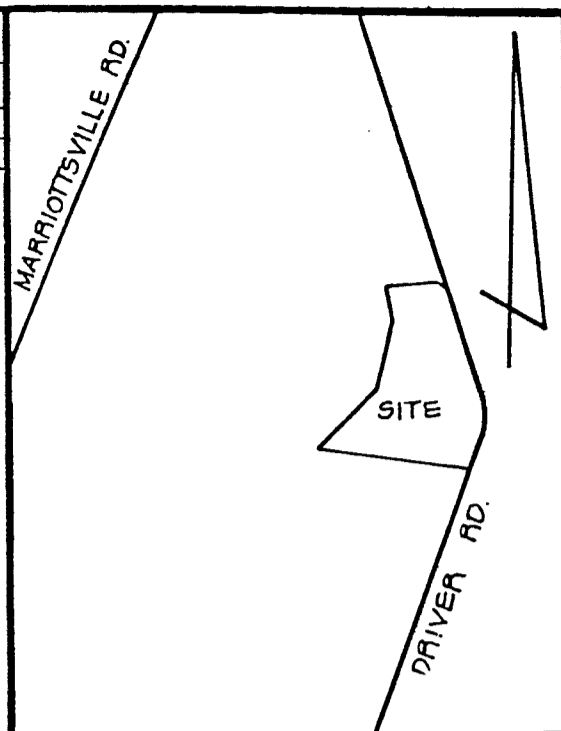
TESTED BY GLK ALSO PRESENT: Wilker

75
 78

Fails
 OK

COORDINATE SCHEDULE		
NO.	NORTH	EAST
1	2558.536	5132.297
2	2836.859	4084.701
3	3179.033	4524.268
4	3617.180	4679.998
5	3832.406	4659.705
6	3802.353	5141.849
7	3781.456	5164.692
8	3652.898	5184.472
9	3653.651	5189.215
10	3122.737	5270.075
11	3035.725	5275.152
12	2918.905	5271.107
13	2712.107	5215.095

CURVE DATA					
CURVE	RADIUS	LENGTH	Δ	TAN.	CHD. BRG & DIST.
10-11	470.00'	87.29'	10°38'28"	43.77'	S 03°20'22" E 87.16'
12-13	470.00'	216.15'	26°20'53"	110.02'	S 15°09'22" W 214.25'



VICINITY MAP
SCALE: 1"=1200'

GENERAL NOTES

- TAX MAP: 10, PART OF PARCEL 174
- DEED REFERENCE: G70/175
- COORDINATES SHOWN HEREON ARE BASED ON ASSUMED DATUM.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF APPROXIMATELY 17,500 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE AND SERVICING ANY RESIDENTIAL STRUCTURES CONSTRUCTED ON THESE BUILDING SITES. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM.
- ALL PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED.
- BOUNDARY AND DATA SHOWN HEREON IS BASED ON A PLAT PREPARED BY RICHARD BROWNE AND ASSOCIATES, DATED JAN. 3, 1977.
- MAINTENANCE OF ALL WATERWAYS, DRAINAGE EASEMENTS, AND/OR FLOODPLAINS ARE THE RESPONSIBILITY OF THE PROPERTY OWNERS, ITS SUCCESSORS AND ASSIGNS.
- THIS PLAT SUBJECT TO VP-79-17.

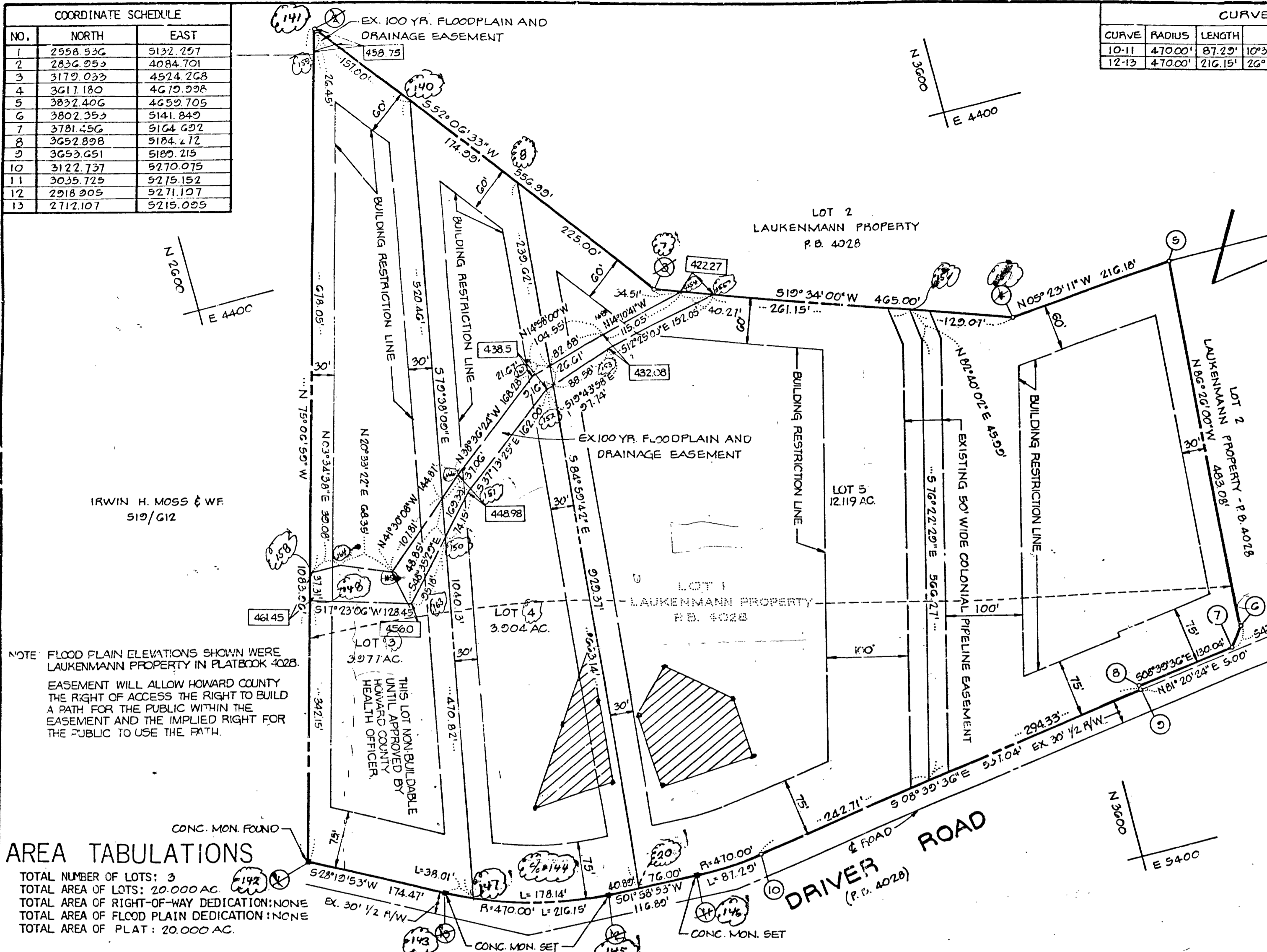
OWNER / DEVELOPER

BERNARD LAUKENMANN
211 EARLE AVENUE
EASTON, MD. 21601

AREA TABULATIONS

TOTAL NUMBER OF LOTS: 3
TOTAL AREA OF LOTS: 20.000 AC.
TOTAL AREA OF RIGHT-OF-WAY DEDICATION: NONE
TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
TOTAL AREA OF PLAT: 20.000 AC.

NOTE: FLOOD PLAIN ELEVATIONS SHOWN WERE LAUKENMANN PROPERTY IN PLATBOOK 4028. EASEMENT WILL ALLOW HOWARD COUNTY THE RIGHT OF ACCESS THE RIGHT TO BUILD A PATH FOR THE PUBLIC WITHIN THE EASEMENT AND THE IMPLIED RIGHT FOR THE PUBLIC TO USE THE PATH.



OWNERS STATEMENT

I, BERNARD LAUKENMANN, OWNER 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 ALL EASEMENTS OR RIGHTS-OF-WAY AFFECTING THE PROPERTY ARE INCLUDED IN THIS PLAN OF SUBDIVISION.

WITNESS MY/OUR HANDS THIS 12 DAY OF July 1978

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A RESUBDIVISION OF LOT 1, LAUKENMANN PROPERTY, AS SHOWN ON A PLAT OF SUBDIVISION ENTITLED "LAUKENMANN PROPERTY, LOTS 1 AND 2" RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN PLATBOOK 4028, SAID PARCEL ALSO BEING A PART OF THE LANDS CONVEYED BY JANET L. LAUKENMANN TO BERNHARD LAUKENMANN BY DEED DATED JANUARY 31, 1974 AND RECORDED AMONG THE AFORESAID LAND RECORDS IN LIBER G70 AT FOLIO 175 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED

William G. Hartel 7/18/78
WILLIAM G. HARTEL, P.L.S. NO. 9436 DATE

RECORDED AS PLAT 4150 ON 12-21-78 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

LOTS 3, 4 AND 5
LAUKENMANN PROPERTY
A RESUBDIVISION OF LOT 1

3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=100' DATE: JULY, 1978

boender associates engineers
surveyors
planners
SUITE 102 107 TOWN & COUNTRY PROFESSIONAL BUILDING
ELLCOTT CITY, MARYLAND 21043
BALTIMORE 331 465 7777 SALISBURY 301 749 1286

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.
[Signature] 12-6-78
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
[Signature] 12-13-78
PLANNING DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
[Signature] 12/12/78
DIRECTOR DATE

C1 7837 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A56470

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 102596

Depth of Well 125 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HD 94 0931

OWNER WILDER BUILDERS last name DRIVER ROAD first name TOWN WOODSTOK SUBDIVISION LAUKENMANN PROPERTY SECTION LOT 3

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. Entry: overburden Blue Slate 0 to 22. water was encountered at 80'.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED Y N

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

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

TYPE: MWD/MSD/MGD DRILLERS LIC. NO. 399

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) JIC. NO. JSD048

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

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 10 NO. OF POUNDS 600 GALLONS OF WATER 600 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 26 ft.

CASING RECORD casing types insert appropriate code below (S) (CO) (PL) (OT) STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot) (PL) 6 26

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

SCREEN RECORD screen type or open hole (S) (BR) (HO) (PL) (OT) STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

DEPTH (nearest ft.) A C H S 2 R 3 E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN 56 60

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

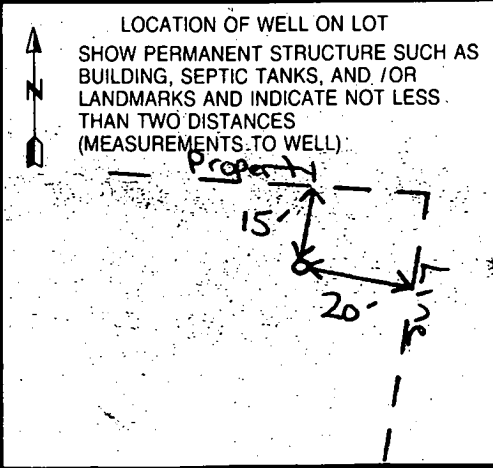
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 130 METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 22 ft. WHEN PUMPING 78 ft. 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 (CIRCLE) (YES) (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) (+) above (-) below LAND SURFACE (nearest foot)



HOWARD COUNTY HEALTH DEPT. ENVIRONMENTAL HEALTH 1997 JAN 27 A 8:23



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

December 5, 1996

Wilder Building Corp.
1514 Near Thicket Lane
Stevenson, Maryland 21153

RE: Laukenmann Property, Lot #3
Driver Road
Well Permit #HO-94-0931

Dear Sirs:

This is to advise you that at the time of the yield test for the above referenced well, a water sample was collected for testing for turbidity level. The sample result indicated a turbidity level of **204.0 NTU's**. (The turbidity level may be due in part to an elevated level of iron).

COMAR 26.04.04.09 prohibits approval of any well water supply with a turbidity level in excess of **10 NTU's**. This department may grant a temporary deviation to that section of the regulation on the condition that the turbidity level be lowered to below the limit either through the installation of an acceptable treatment device or over time.

Prior to recommendation for the Use and Occupancy Permit for the above referenced property, this office must receive test results for the turbidity level in the well water supply to determine whether or not the well is in compliance with COMAR standards.

If you have any questions regarding this matter, please contact me at the address below or by calling (410) 313-2640. Thank you in advance for your cooperation in this matter.

Sincerely,

Donna K. Soe, R.S.
Water and Sewerage Program

DKS
cc: file

SEND REPORT TO:

DEPARTMENT OF HEALTH AND MENTAL HYGIENE
 Laboratories Administration
 201 W. Preston St.
 P.O. Box 2355, Baltimore, Maryland 21203
 J. Mehsen Joseph, Ph.D., Director

10/18/96 Logged
 Lab No. Date Received

C301516 215 5

WATER ANALYSIS

Do not write above this line.

S
A
M
P
L
E
I
D

Bottle Number HO-2693 Name Wilder Builders County Howard County Code 13
 Source Laukenmann Prop lot 3 Driver Rd Data Category Code AF
 Collected: Date 10/16/96 Time 10:30 Collector & Phone A. McMillen Submitter Code
 CHECK (one per box)
 Drinking Water Landfill Stream Other
 Community Non-community Private Other
 Source (raw water) Distribution (treated) MCL
 Emergency Routine Recheck Special
 Federal Project 5

F
I
E
L
D

Plant No. Sampling Station Preservation: Iced Acid Type of Acid H₂SO₄/NO ACID
 pH Chlorine: Free Total Specific Conductance
 Notes to Lab/Remarks: HO-94 -

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 - Nitrite, N	00630			3.2	10-17-96	BK
	pH*, Ca CO ₃ Sat.	70311					
	Sulfate	00945					
✓	Total Solids	00500					
✓	Turbidity*	00076			204.0	10-17-96	J. S.
	Other:						

* Selecting (X) the acid box is an indication and documentation that there is or was acidified acid cube of sample. Please do not write NO ACID! Thank you!

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

Number of Tests Requested 02
 DHMH 90-A 10/93

Section Chief Asela I. Katurajwa
 SUBMITTER'S COPY

Date Reported OCT 18 1996
225-689

Partial List of Submitter Codes 1996 OCT 23 P 1: 20

<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 Standards & 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

B 1 **8407** SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HD-94-0931
 fill in this form completely

Date Received (APA) **091696**
 OWNER INFORMATION
Wilder Builders
 Last Name Owner First Name
1514 Near Thicket Ln
 Street or RFD
Stevenson **MD 21153**
 Town 70 State 72 Zip 76

DRILLER INFORMATION CIRCLE: MSD/MGD/MWD
 Driller's Name **Paul M. Fabiszak** License No. **390**
 Firm Name **G. Edgar Harr Sons' Corp.**
 Address **12047 Falls Rd Cockeysville 21030**
 Signature *Paul M. Fabiszak* Date **9/12/96**

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **750**

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

APPROXIMATE DEPTH OF WELL **200** FEET
 APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY DRIVE-POINT
 other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEAN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER **GAP**
 FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **HD-94-0931**

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

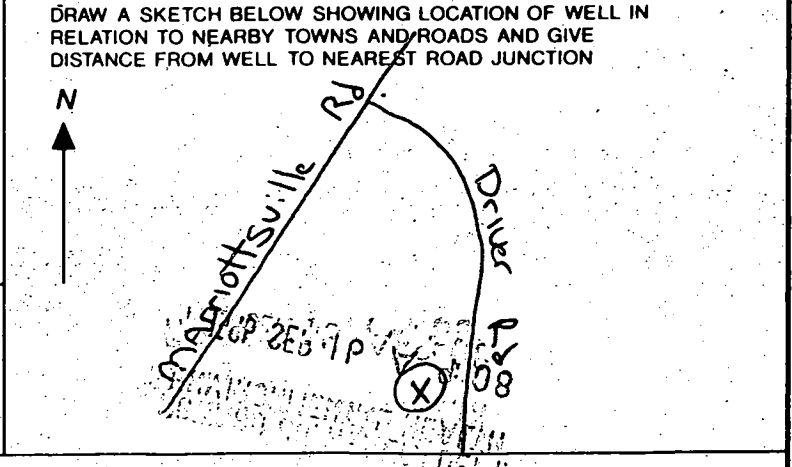
B 3 LOCATION OF WELL
 COUNTY **Howard**
 SUBDIVISION **Laukenmann Property**
 SECTION **3** LOT **3**
 NEAREST TOWN **Woodsstock**
 MILES FROM TOWN (enter 0 if in town) **1** MI

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

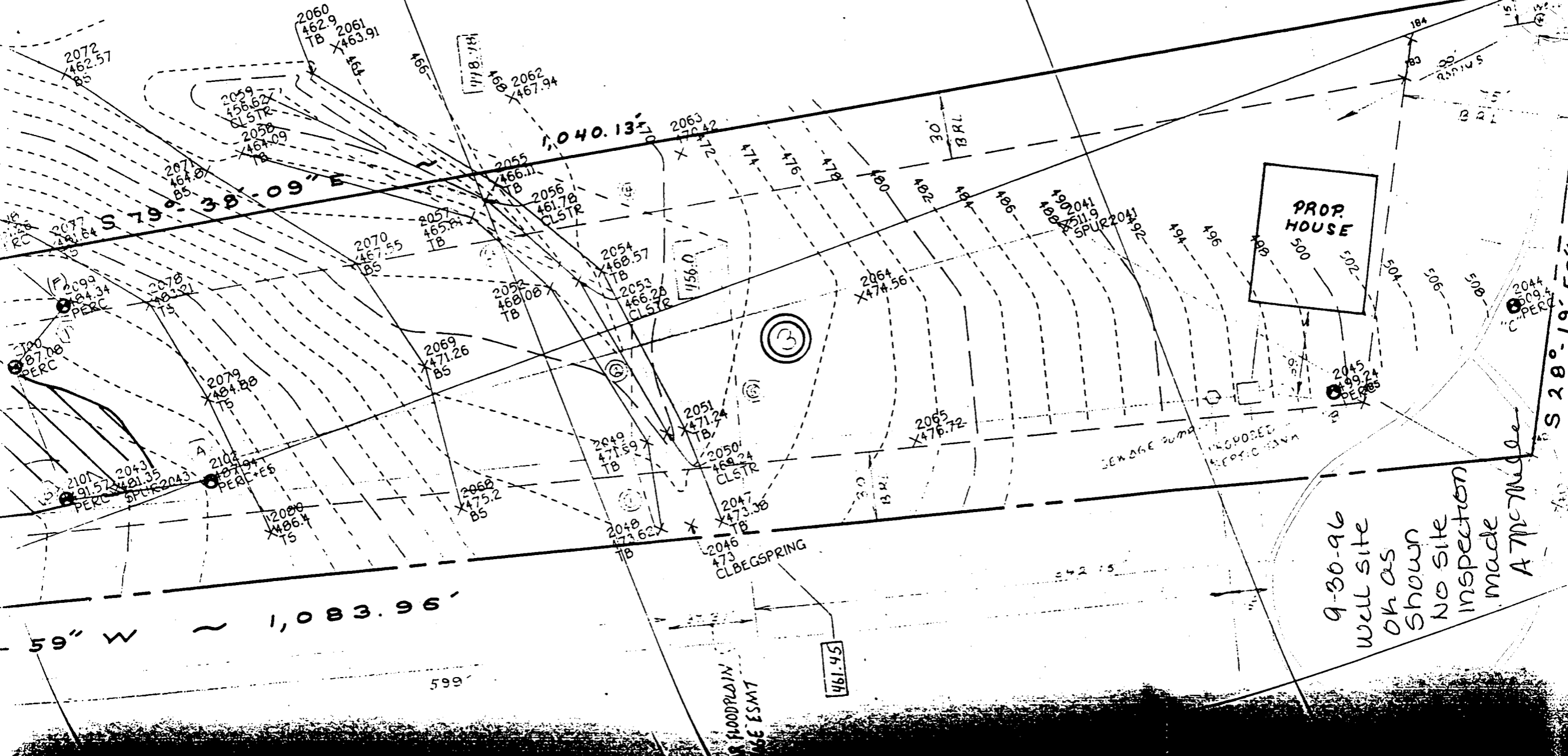
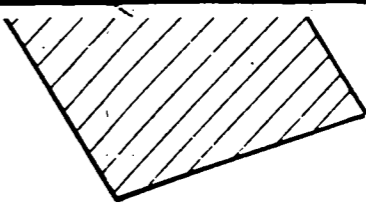
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NEAR WHAT ROAD **1110 Driver Road**
 DISTANCE FROM ROAD **100** FT OR MI **FT**
 TAX MAP: _____ BLK: _____ PARCEL _____

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD CO. **A56470**
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE _____ INSERT S _____
 DATE ISSUED **093096** **A McMullen** **9/30/97**
 CO SIGNATURE EXP. DATE
 NORTH GRID **550000** EAST GRID **0830000**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. _____
 2. _____
 3. _____
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **830**
 N **550**



(4)



9-30-96
well site
OK as
shown
NO SITE
INSPECTION
made
A McMillan

S 28° 19' 53" W

461.45

(3)

59" W ~ 1,083.96'

599

2046
473
CLBEGSPRING

2050
469.24
CLSTR

2051
471.24
TB

2040
471.59
TB

2054
468.57
TB

2053
466.28
CLSTR

2052
468.08
TB

2056
461.78
CLSTR

2055
466.11
TB

2057
465.84
TB

2058
461.09
TB

2059
458.62
CLSTR

2060
462.9
TB

2061
463.91
TB

2072
462.57
BS

2077
461.84
BS

2078
464.81
BS

2099
464.34
PERC

2100
467.08
PERC

2101
461.57
PERC

2043
461.35
PERC

2043
461.35
PERC

2043
461.35
PERC

2043
461.35
PERC

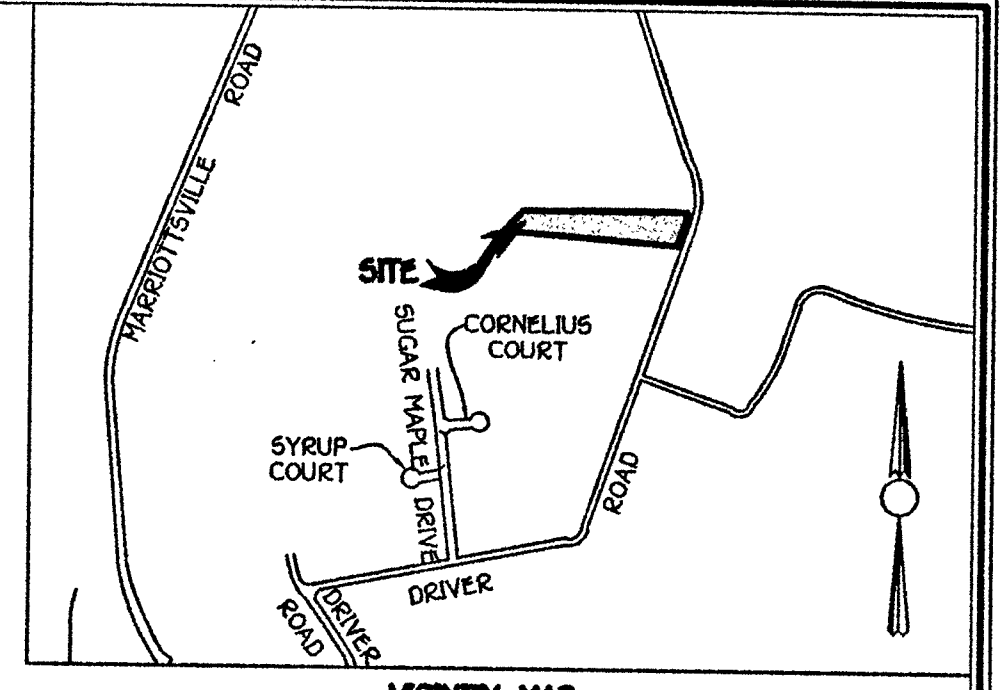
2043
461.35
PERC

2043
461.35
PERC

2043
461.35
PERC

COORDINATE TABLE		
POINT	NORTH	EAST
140	2933.3771	4208.6031
141	2840.2066	4088.8808
142	2563.5826	5135.0171
143	2712.1037	5215.0925
147	2746.2533	5231.7591

CURVE DATA TABULATION						
PT - PT	RADIUS	ARC	DELTA	TANGENT	CHORD BEARING AND DISTANCE	
147-143	470.00'	38.01'	04°38'01"	19.02'	S26°00'52"W	38.00'

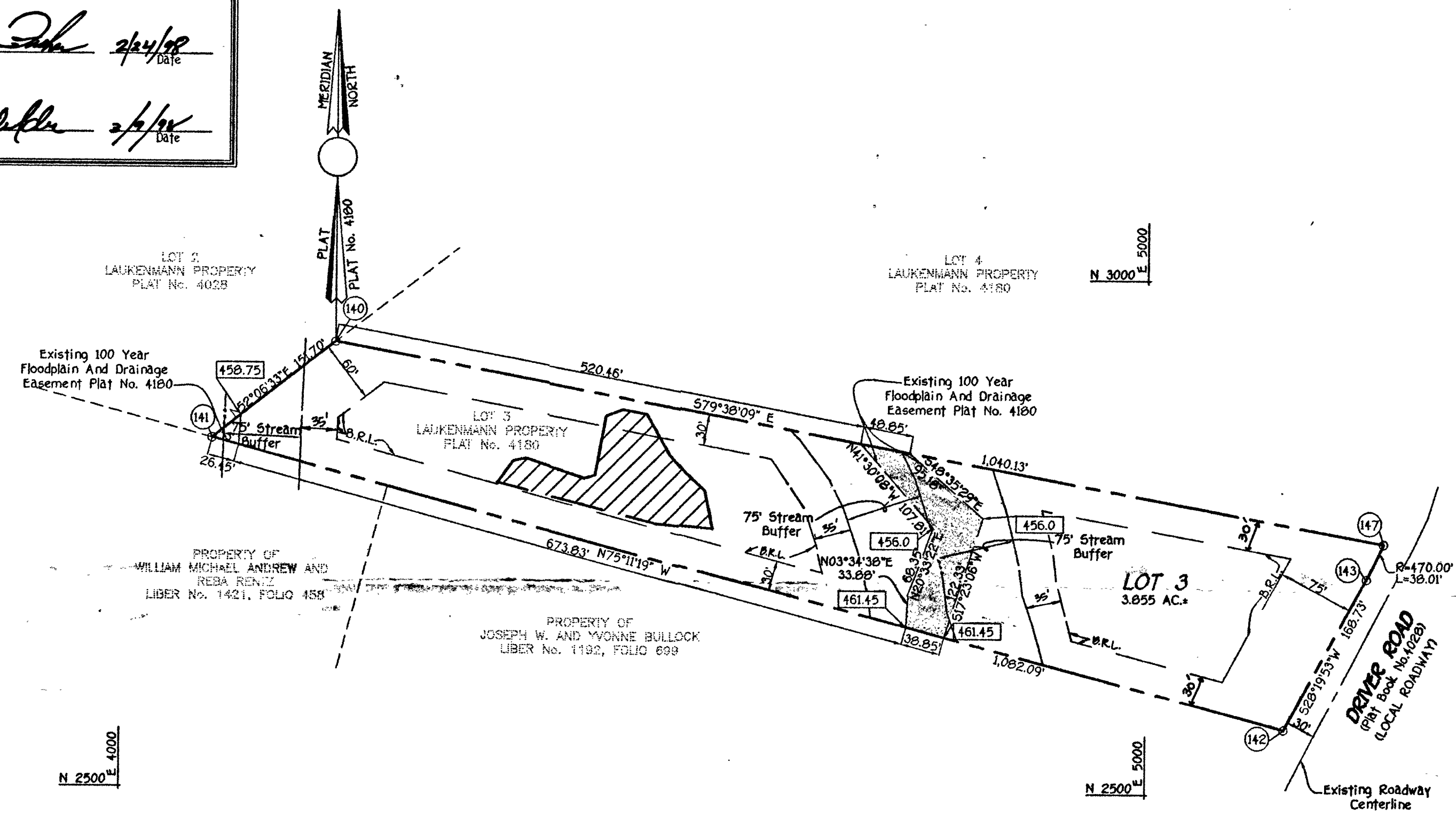


VICINITY MAP
SCALE: 1" = 1200'

The Requirements S3-108, The Real Property Article, Annotated Code Of Maryland, 1988 Replacement Volume, (As Supplemented) As Far As They Relate To The Making Of This Plat And The Setting Of Markers Have Been Complied With

Terrell A. Fisher 2/24/98 Date
Terrell A. Fisher, L.S. #10692 (Registered Land Surveyor)

Joseph Wilder 2/6/98 Date
Wilder Building Corporation
By: Joseph Wilder, President



- GENERAL NOTES**
- 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 Is 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 Encroachments Into The Private Sewerage Easement. Recordation Of A Modified Easement Shall Not Be Necessary.
 - The Lots Shown Hereon Comply With The Minimum Ownership Width And Lot Area As Required By The Maryland State Department Of The Environment.
 - Subject Property Zoned RC-DEO Per 10/18/93 Comprehensive Zoning Plan.
 - Coordinates Based On Datum Established On A Plat Entitled "Lots 3, 4 And 5 Laukenmann Property, A Resubdivision Of Lot 1", Recorded Among The Land Records Of Howard County, Maryland As Plat No. 4180.
 - This Plat Is Based On A Field Monumented Boundary Survey Prepared By Fisher, Collins And Carter, Inc. On May, 1996.
 - B.R.L. Denotes Building Restriction Line.
 - Denotes Iron Pin Set Capped "F.C.C. 106".
 - Denotes Iron Pipe Or Iron Bar Found.
 - Denotes Angular Change In Bearing Or Rights-Of-Way.
 - Denotes Concrete Monument Set With Aluminum Plate "F.C.C. 106".
 - Denotes Concrete Monument Or Stone Found.
 - Refuse Collection, Snow Removal And Road Maintenance To Be Provided At The Junction Of Pipe/Flag Stem And The Road R/W And Not Onto The Flag/Pipe Stem Driveway.
 - Driveway(s) Shall Be Provided Prior To Residential Occupancy To Insure Safe Access For Fire And Emergency Vehicles Per The Following (Minimum) Requirements:
 - Width - 12 Feet (16 Feet Serving More Than One Residence);
 - Surface - Six (6") Inches Of Compacted Crusher Run Base With Tar And Chip Coating, (1 - 1/2" Minimum);
 - Geometry - Maximum 15% Grade, Maximum 10% Grade Change And 45-Foot Turning Radius;
 - Structures (Culverts/Bridges) - Capable Of Supporting 25 Gross Tons (H25-Loading);
 - Drainage Elements - Capable Of Safely Passing 100 Year Flood With No More Than 1 Foot Depth Over Surface;
 - Structure Clearances - Minimum 12 Feet;
 - Maintenance - Sufficient To Insure All Weather Use.
 - All Lot Areas Are More Or Less (±).
 - No Clearing, Grading Or Construction Is Permitted Within Wetland Or Stream Buffers Unless, Approved By The Department Of Planning And Zoning Of Howard County, Maryland.
 - Denotes Existing Centerline Of Stream.
 - 456.0 Denotes Approximate Elevation Of 100 Year Flood Level Based On Existing Plat No. 4180.
 - Denotes Outline Of 100 Year Floodplain Based On Existing Plat No. 4180.
 - Plat Subject To Previous DPZ Files: F79-11.

NOTE: THE PURPOSE OF THIS PLAT IS TO CORRECT THE TRACT BOUNDARY OUTLINE FOR LOT 3, TO REMOVE THE NON-BUILDABLE NOTE, TO ADD A PRIVATE SEWERAGE EASEMENT AREA, TO SHOW THE EXISTING STREAMS, TO ADD THE 75' STREAM BUFFERS AND TO ADD THE 35' BUILDING RESTRICTION LINE FROM A STREAM BUFFER.

SHEET AREA TABULATION

Total Number Of Buildable Lots To Be Recorded.....	1
Total Number Of Open Space Lots To Be Recorded.....	0
Total Number Of Lots To Be Recorded.....	1
Total Area Of Buildable Lots To Be Recorded.....	3.855 AC.*
Total Area Of Open Space Lots To Be Recorded.....	0.000 AC.*
Total Area Of Lots To Be Recorded.....	3.855 AC.*
Total Area Of Roadway To Be Recorded.....	0.000 AC.*
Total Area To Be Recorded.....	3.855 AC.*

60013 RecPlt Lot3.DWG

OWNER AND DEVELOPER
WILDER BUILDING CORPORATION
c/o MR. JOSEPH WILDER
3243 SONIA TRAILS
ELLCOTT CITY, MARYLAND 21043

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461-2295

APPROVED: For Private Water And Private Sewerage Systems, Howard County Health Department

Joseph Boalunas 3-26-98 Date
Howard County Health Officer ALM

APPROVED: Howard County Department Of Planning And Zoning

Allen Dammun 3/30/98 Date
Chief, Development Engineering Division MK

Mark V. Morgan 4/8/98 Date
Director

OWNER'S CERTIFICATE

Wilder Building Corporation By Joseph Wilder, President, Owner Of The Property Shown And Described Hereon, Hereby Adopt This Plan Of Subdivision And In Consideration Of The Approval Of This Plat By The Department Of Planning And Zoning Establish The Minimum Building Restriction Lines. All Easements Of Rights-Of-Way Affecting The Property Are Included In The Plan Of Subdivision, Witness My Hand This 9th Day Of March, 1998.

Joseph Wilder
Wilder Building Corporation
By: Joseph Wilder, President

Terrell A. Fisher
Witness

SURVEYOR'S CERTIFICATE

I Herby Certify That The Final Plat Shown Hereon Is Correct; That It Is A Subdivision Of Part Of The Lands Conveyed By Bernhard Laukenmann To Wilder Building Corporation By Deed Dated March 19, 1979 And Recorded In The Land Records Of Howard County, Maryland In Liber No. 932 At Folio 674; Said Property Being Lot 3 As Shown On A Plat Entitled "Lots 3, 4 And 5 Laukenmann Property - A Resubdivision Of Lot 1" And Recorded As Plat No. 4180 And That All Monuments Are In Place Or Will Be In Place Prior To Acceptance Of The Streets In The Subdivision By Howard County, Maryland As Shown, In Accordance With The Annotated Code Of Maryland, As Amended, And Monumentation Is In Accordance With The Howard County Subdivision Regulations.

Terrell A. Fisher 2/24/98 Date
Terrell A. Fisher, Professional Land Surveyor No. 10692


RECORDED AS PLAT No. 13133 ON 4-14-98
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

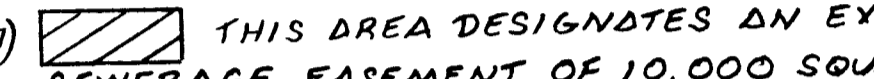
PLAT OF REVISION
LOT 3
LAUKENMANN PROPERTY
LAUKENMANN PROPERTY - LOT 3 - PLAT No. 4180
TAX MAP No. 10 Part Of PARCEL 295 GRID #4
ZONING: RC-DEO
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

Scale: 1" = 100'
DATE: MARCH 10, 1998
F98-

HOWARD COUNTY THE RIGHT OF ACCESS, THE RIGHT TO BUILD A PATH FOR THE PUBLIC WITHIN THE EASEMENT AND THE IMPLIED RIGHT FOR THE PUBLIC TO USE THE PATH.

- 3) AREA (LOT #3) 3.977 AC[±]
- 4) THIS LOT IS NON-BUILDABLE UNTIL APPROVED BY HOWARD COUNTY HEALTH OFFICER.
- 5) BRL: BUILDING RESTRICTION LINE

6)  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 ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

7)  THIS AREA DESIGNATES AN EXISTING PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS PER PLAT #4130 (LOTS #3, 4 & 5, LAUKENMANN PROPERTY, A RESUBDIVISION OF LOT #1)

8) ALL WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.

N 3000

N 2750

N 2500

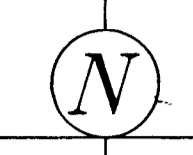
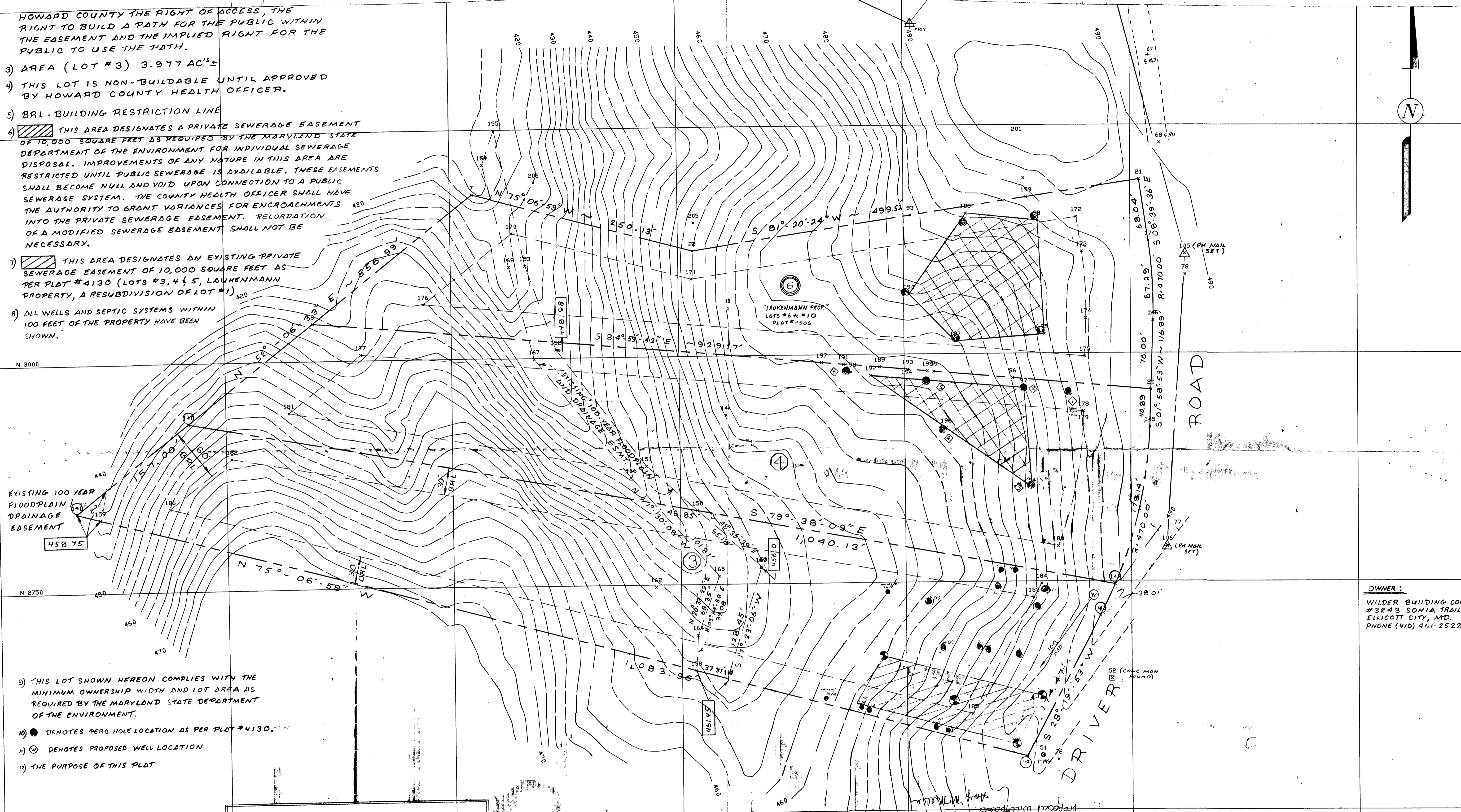
EXISTING 100 YEAR FLOODPLAIN DRAINAGE EASEMENT
458.75

9) THIS LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.

- 10) ● DENOTES PERC HOLE LOCATION AS PER PLAT #4130.
- 11) ⊙ DENOTES PROPOSED WELL LOCATION
- 12) THE PURPOSE OF THIS PLOT

APPROVED FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER _____ DATE _____



OWNER:
WILDER BUILDING CORP
#3243 SONIA TRAILS
ELLCOTT CITY, MD. 21117
PHONE (410) 461-2522

Chuck Cravo submitted this plan for proposed percolation testing. I advised him to do preliminary testing prior to percolation testing due to low probability that this lot will pass.

failed (h2o)
failed (leak)
passing

PERC PLAN
LOT #3
LAUKENMANN PROPERTY



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

April 12, 1996

Wilder Building Corporation
3243 Sonia Trails
Ellicott City, Maryland 21043

RE: Percolation Test Results
Application Number: A56470
Proposed Use: Existing Lot
Property ID: Laukenmann Property
Lot 3 - Driver Road
Tax Map: 10 Parcel: 295

Dear Sirs:

Percolation testing conducted April 10, 1996 on the above referenced property yielded limited satisfactory soil conditions. Excessive rock content was encountered at the front of the lot and excessive rock and seasonally high water table conditions were encountered in the rear. Despite these limitations, some satisfactory results were obtained. Copies of the percolation test results are enclosed.

A percolation certification plan showing the following information should be submitted to this office by a registered engineer:

- actual locations & elevations of all excavated test holes
- location of a suitable house site
- location of a suitable well site
- locations of existing wells and septics that are on the property
- locations of all existing structures on the property
- locations of existing wells and septics within 100 feet of property boundaries
- locations of streams/swales/springs or any other relevant features
- "A" numbers on all proposed septic reserve easements
- contour lines.

Wilder Building Corporation

- 2 -

April 12, 1996

This plat should be submitted within 60 days to allow field verification if necessary. Review of this document will determine if sufficient area exists to consider this lot a buildable lot.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-2640.

Very truly yours,



Amy McMillen, R. S.
Water and Sewerage Program

AM:jr

Enclosures

cc: Tax Assessment Office
Fisher, Collins & Carter, Inc.
File

wp61\jane\wilder

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 _____

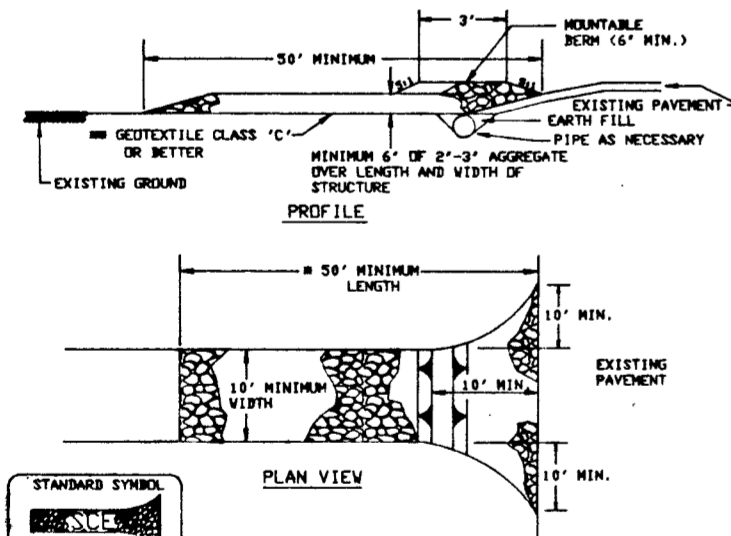
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

DISTRICT HOWARD SOIL CONSERVATION DIST. _____ DATE _____

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (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 MOST CURRENT 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, DIKES, 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 12, 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 (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.
- 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	3.777 ACRES
AREA DISTURBED	0.27 ACRES
AREA TO BE ROOFED OR PAVED	0.08 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.19 ACRES
TOTAL CUT	CU.YDS.
TOTAL FILL	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.



- STABILIZED CONSTRUCTION ENTRANCE - 2**
NOT TO SCALE
- Length - minimum of 30' (30' for single residence lot).
 - Width - 16' minimum, should be flared 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 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.
 - 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.

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 500 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 (0.7 LBS./1000SQ.FT.). FOR THE PERIOD NOVEMBER 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. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1996 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 500 LBS. PER ACRE 0-20-20 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 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE (11.5 LBS./1000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING

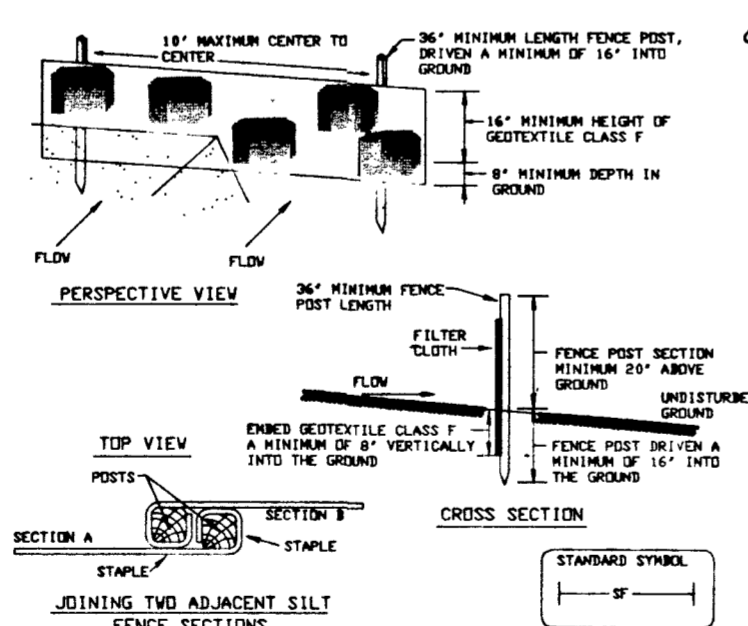
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) 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 SOD; OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (10 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 ACRES, ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE

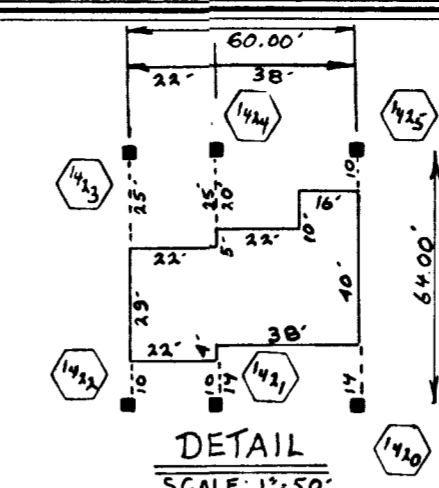
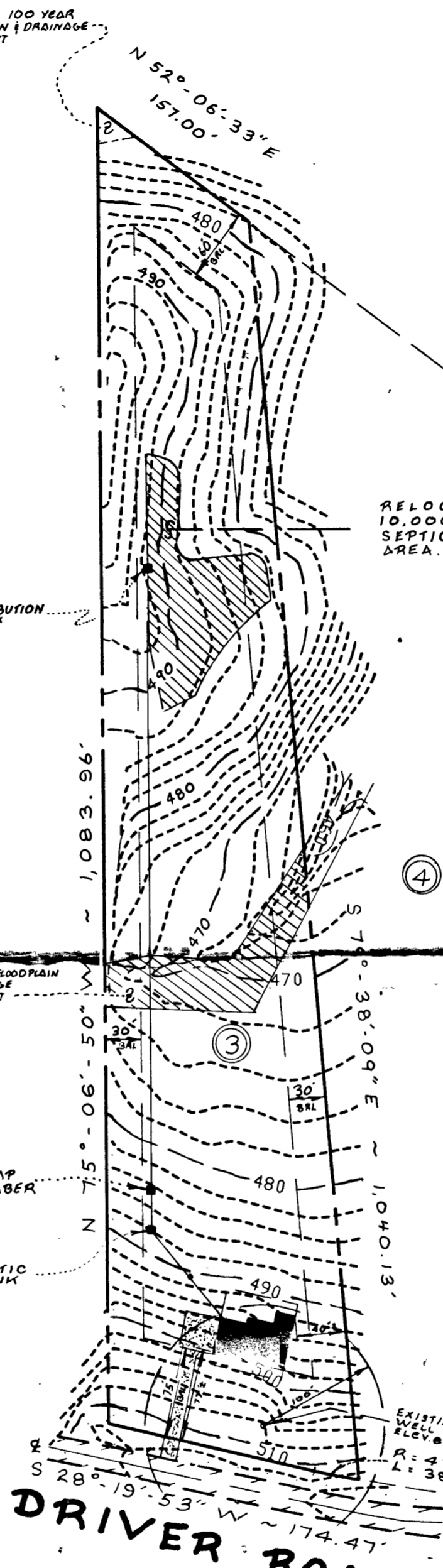
INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNVEATCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



- SILT FENCE**
NOT TO SCALE
- Construction Specifications**
- 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) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard I 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:

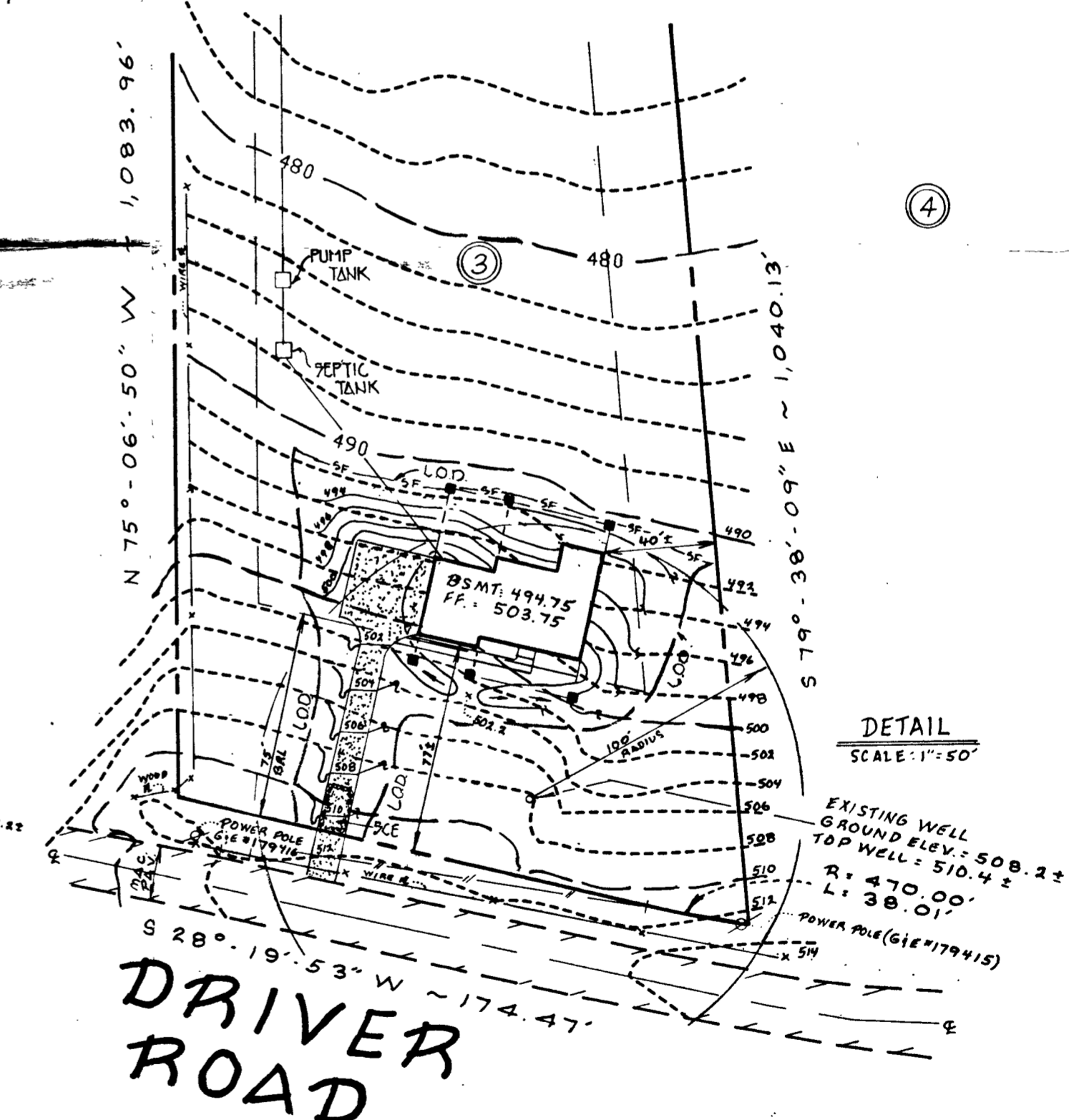
Tensile Strength	38 lbs/in. (min.)	Test: MSHT 509
Tensile Modulus	28 lbs/in. (min.)	Test: MSHT 509
Flow Rate	0.3 gal ft ² /minute (max.)	Test: MSHT 382
Filtering Efficiency	75% (min.)	Test: MSHT 382
 - Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent 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.

EXISTING 100 YEAR FLOODPLAIN & DRAINAGE EASEMENT



Approved Septic System Plan
Howard County Health Department

Ann M. Miller 1-21-97
Signature _____ Date _____



- GENERAL NOTES**
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
 - PROPOSED 1500 GALLON SEPTIC TANK.
 - A. FIRST FLOOR ELEVATION: 503.75
B. BASEMENT ELEVATION: 494.75
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 492.00
D. INVERT IN AT SEPTIC TANK: 485.00
E. INVERT OUT AT SEPTIC TANK: 484.75
F. PROPOSED GRADE OVER SEPTIC TANK: 488.50
G. INVERT AT DISTRIBUTION BOX: 476.00
H. EXISTING GROUND OVER DISTRIBUTION BOX: 476.00
I. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
J. INVERT INTO PUMP CHAMBER: 483.80

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461-2855

LOT # 3
PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT
LAUKENMANN PROPERTY
TAX MAP 10 ZONED REDED PARCEL 295
THIRD ELECTION DISTRICT HOWARD COUNTY, MD.
SCALE: 1"=100' DATE: NOV. 13, 1996



GENERAL NOTES

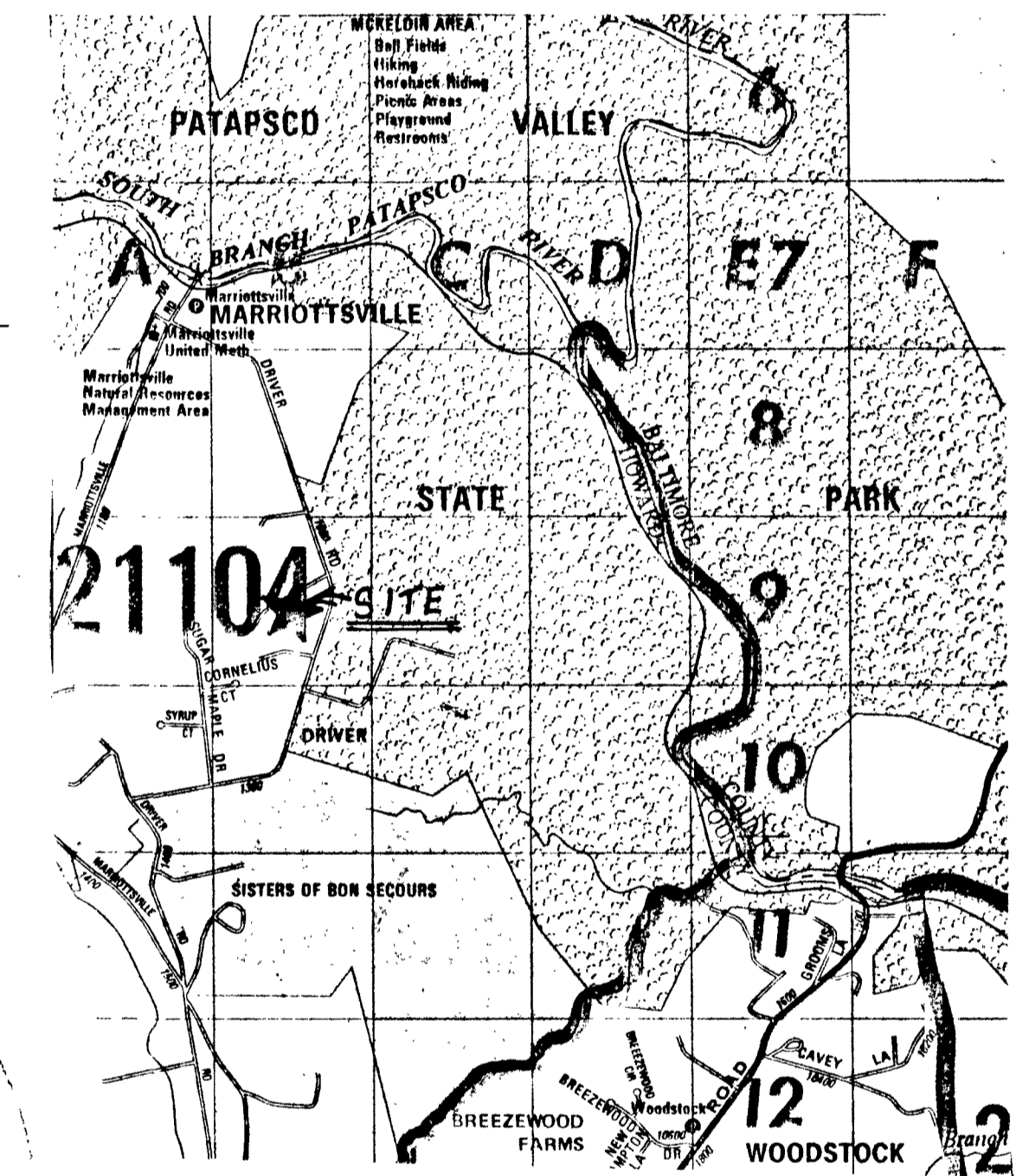
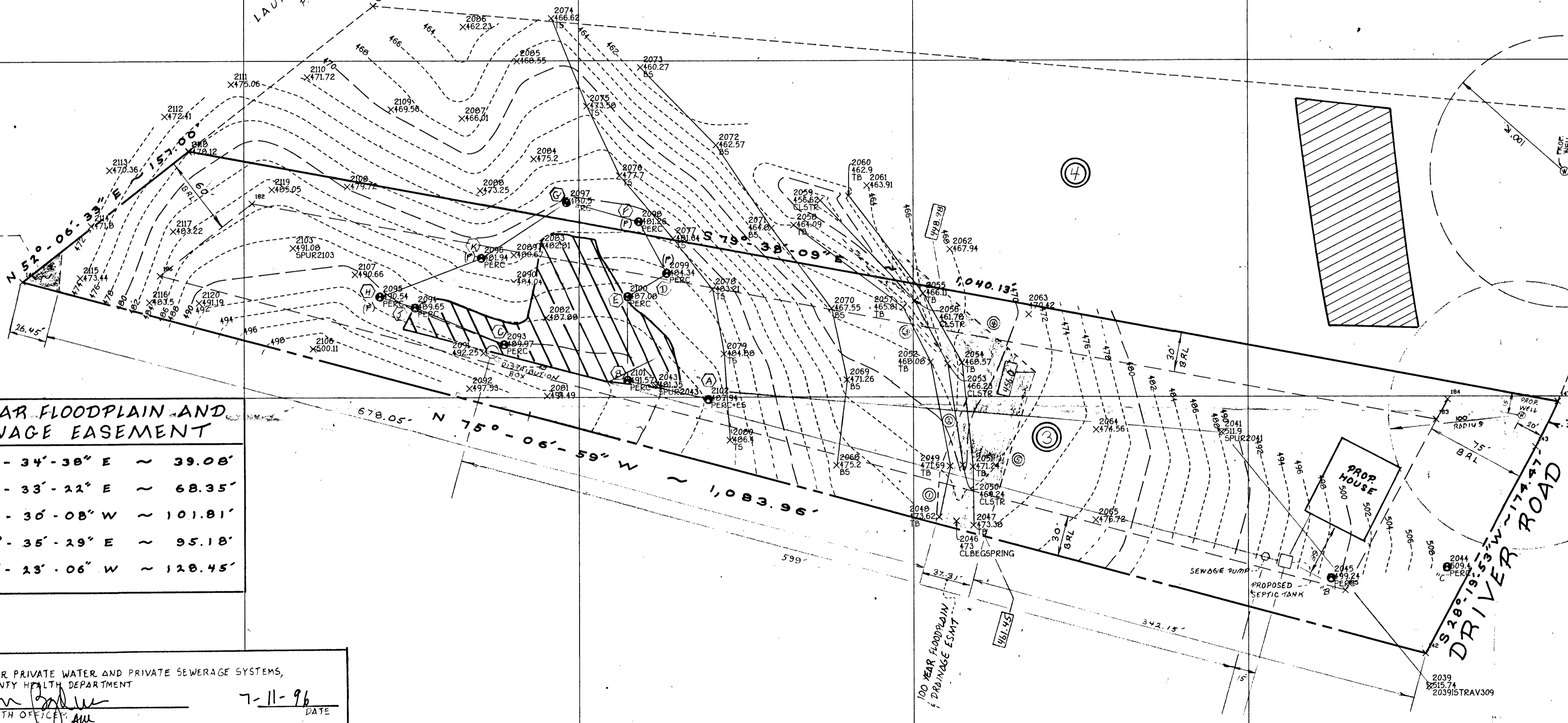
- 1) FLOOD PLAIN ELEVATIONS SHOWN HEREON WERE TAKEN FROM THE "LAUKENMANN PROPERTY", RECORDED IN PLAT BOOK # 4028. [XXXXX]
- 2) THE EASEMENT SHOWN HEREON SHALL ALLOW HOWARD COUNTY THE RIGHT OF ACCESS, THE RIGHT TO BUILD A PATH FOR THE PUBLIC WITHIN THE EASEMENT AND THE IMPLIED RIGHT FOR THE PUBLIC TO USE THE PATH.
- 3) AREA (LOT # 3) = 3.977 AC ±
- 4) BRL - BUILDING RESTRICTION LINE
- 5) THE PROPOSED HOUSE CAN NOT SEWER BY GRAVITY AND WILL REQUIRE A PUMP SYSTEM.
- 6) APPLICATION NUMBER: A 56470
- 7) THE TOPOGRAPHY SHOWN HEREON IS BASED ON FIELD RUN TOPO, DATED 5/12/96.

GENERAL NOTES

1. 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. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
4. DENOTES PROPOSED WELL LOCATION.
5. DENOTES PERC HOLE LOCATION.
6. OWNER AND DEVELOPER:
WILDER BUILDER CORPORATION
3243 SONIA TRIALS
ELLICOTT CITY, MARYLAND 21043
7. TAX MAP NO. 10, PARCEL NO. 295, THIRD ELECTION DISTRICT.
8. ZONED: 'R'
9. THE PURPOSE OF THIS PLAT IS TO REVISE LOT NO. 3 (THE LAUKENMANN PROPERTY), A NON-BUILDABLE LOT UNTIL APPROVED BY THE HOWARD COUNTY HEALTH OFFICER PER PLAT NO. 4130, INTO AN APPROVED BUILDABLE LOT.

LOT # 2
LAUKENMANN PROPERTY
P.B. # 4028

EXISTING 100 YEAR
FLOODPLAIN AND DRAINAGE
EASEMENT



100 YEAR FLOODPLAIN AND DRAINAGE EASEMENT

- ① N 03° - 34' - 38" E ~ 39.08'
- ② N 20° - 33' - 22" E ~ 68.35'
- ③ N 41° - 30' - 08" W ~ 101.81'
- ④ S 48° - 35' - 29" E ~ 95.18'
- ⑤ S 17° - 23' - 06" W ~ 120.45'

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
[Signature]
COUNTY HEALTH OFFICER: *[Signature]* DATE: 7-11-96

NOTE: FOR PRIVATE UTILITY CROSSING OF WETLANDS APPLICANT SHALL BE RESPONSIBLE TO OBTAIN ANY APPLICABLE MDE PERMITS PRIOR TO ISSUANCE OF SEPTIC PERMIT.

PERC CERTIFICATION PLAT
LOT # 3
LAUKENMANN PROPERTY
FIELD BOOK No. 752
DATE: MAY 17, 1996
ACAD DWG FILE: 60813T1.DWG
PACSOFT T-NET FILE: 60813D.TNT
PACSOFT PROJECT FILE: 60813
HOWARD COUNTY, MARYLAND
SCALE: 1"=50' DATE: 5/26/96

4

4

3

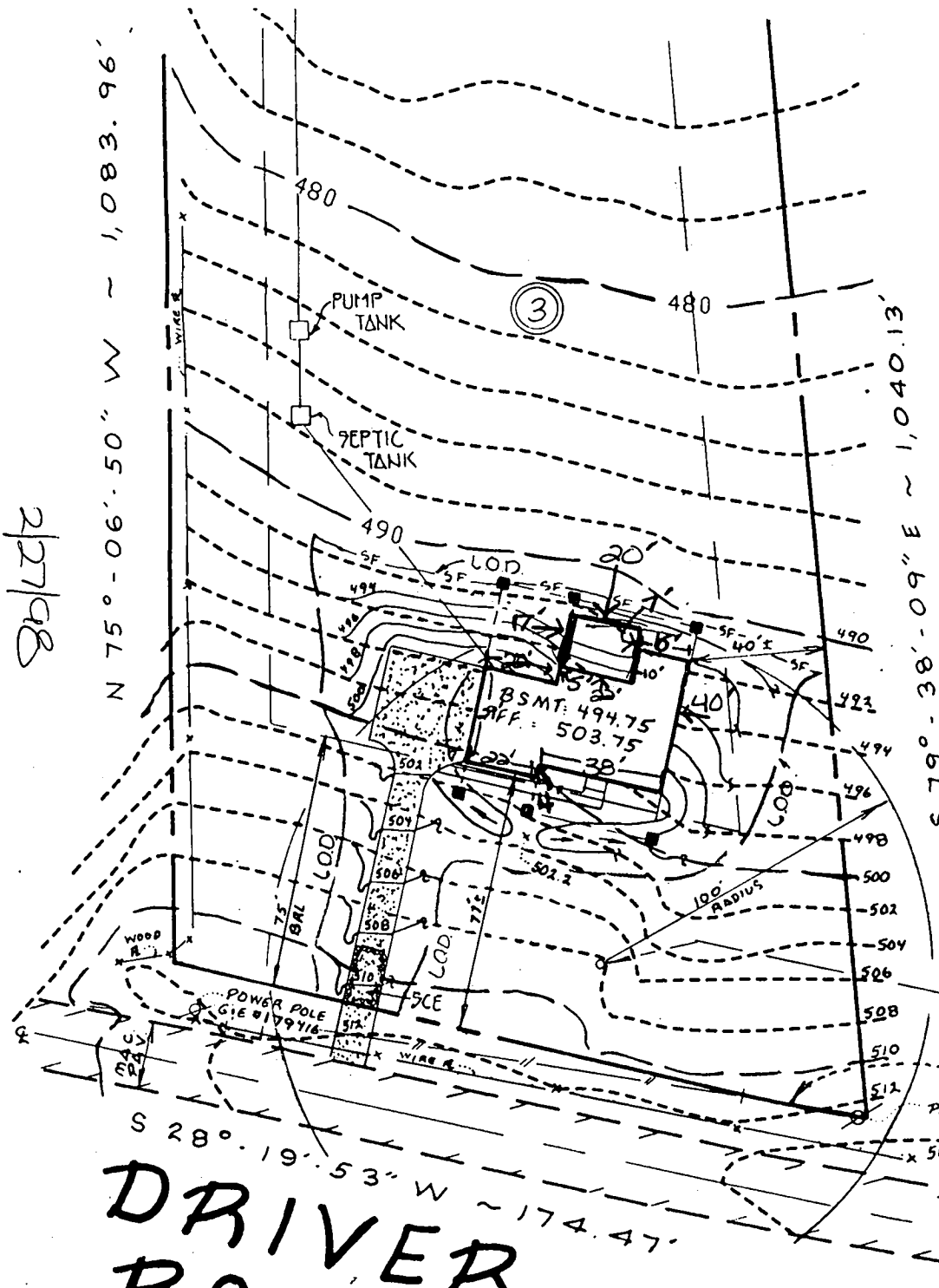
S 79°-38'-09" E ~ 1,040.13'

N 75°-06'-50" W ~ 1,083.96'

S 79°-38'-09" E ~ 1,040.13'

S 28°-19'-53" W ~ 174.47'

2/27/98
Proposed deck
location of
pavement



DETAIL

SCALE: 1"=50'

EXISTING WELL
ELEV. @ GROUND = 508.2 ±
R: 470.00'
L: 38.01'

EXISTING WELL
GROUND ELEV. = 508.2 ±
TOP WELL = 510.4 ±
R: 470.00'
L: 38.01'

POWER POLE (GIE #179415)

AD

DRIVER ROAD