

104 ID - 05 - 414814

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50696E

A 43093B

DISTRICT 5th

DATE 5/18/95

DATE SYSTEM APPROVED 5/10/95

INSPECTOR M. Rifkin

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XX981993X~~ 313-2640

INDEXED

Jack Fyock Septic Service IS PERMITTED TO INSTALL ALTER

ADDRESS 13775 Triadelphia Road, Glenelg, Maryland 21737 PHONE 988-9270

SUBDIVISION Brierly LOT 20 ROAD 13720 Highland Road

PROPERTY OWNER Windsor/Williams Joint Venture / ~~Berford~~ Cory Blanton

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Starting from the intersection of the 172.90' and 122.12' lot lines, start the first trench 25 feet down the 172.90' lot line and 85 feet off this same lot line. Run trenches on contour to right side of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 9/6/94 DKS

PLANS APPROVED BY Mark Rifkin DATE 03/16/93

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**

OLD PERMIT SIGNED
AND RETURNED 7-17-97
Serial # B01106839
check

A 43093B

5/10/95

APPLICATION

PERCOLATION TESTING

A 43093 B
P _____
DISTRICT 5TH
DATE 9-20-88

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

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 RUSSELL ZEPP Windsor/Williams Joint Venture

ADDRESS 13790 HIGHLAND RD. PHONE 554-2797
466-9547

PROSPECTIVE BUYER HENRY L. BLEVINS

ADDRESS 3600 WATERSVILLE RD. PHONE 795-2337

PROPERTY LOCATION: MT. AIRY, MD 21771

SUBDIVISION ZEPP SUBDIVISION LOT NO. 28²⁰ 19 on prelim

ROAD AND DESCRIPTION HIGHLAND ROAD HOWARD CO

ZIP: 21029 (13720 Highland Road)

TAX MAP 34 PARCEL # 7

SIZE OF LOT 3.04 AC ± TYPE BLDG. SINGLE FAMILY
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

[Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED

AND RETURNED 7/25/88

Serial # 54717

SFD-4Bm

THIS IS NOT A PERMIT

HD-216

SOIL PROFILE



6" 0

profile
 H to
 dk. brn.
 silt
 clay
 loam
 H to
 dk. tan
 sandy
 silt loam
 15%
 frags
 high mica

2 1/2'
 3'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/10/89	6 S	5	4:19	4:22	4:24	4:28	4
		9	4:22	4:24	4:24	4:26	2
	6 V	10 1/2	see profile				
	7 S	5	4:34	4:35	4:35	4:43	8
	7 V	12	clay to 3'		10% frags		
	8 S		4:36	4:39	4:39	4:44	5
	8 V	13	20% frags		clay to 3'		

REMARKS _____

TYPE OF SOIL _____

TESTED BY M. Riskin ALSO PRESENT Mr. Blevins, Ed

APPLICATION

PERCOLATION TESTING

A 43093B

P _____

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

DISTRICT 5th

DATE 9-20-88

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 RUSSELL ZEPP

ADDRESS 13790 HIGHLAND RD. PHONE 854-2797

PROSPECTIVE BUYER HENRY L. BLEVINS

ADDRESS 3600 WATERSVILLE RD. PHONE 795-2337

PROPERTY LOCATION: MT. AIRY, MD 21771 20

SUBDIVISION ZEPP SUBDIVISION LOT NO. 22

ROAD AND DESCRIPTION HIGHLAND ROAD HOWARD CO

21P:21029

TAX MAP 34 PARCEL # 7

SIZE OF LOT 3.04 AC ± TYPE BLDG. SINGLE FAMILY
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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[Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

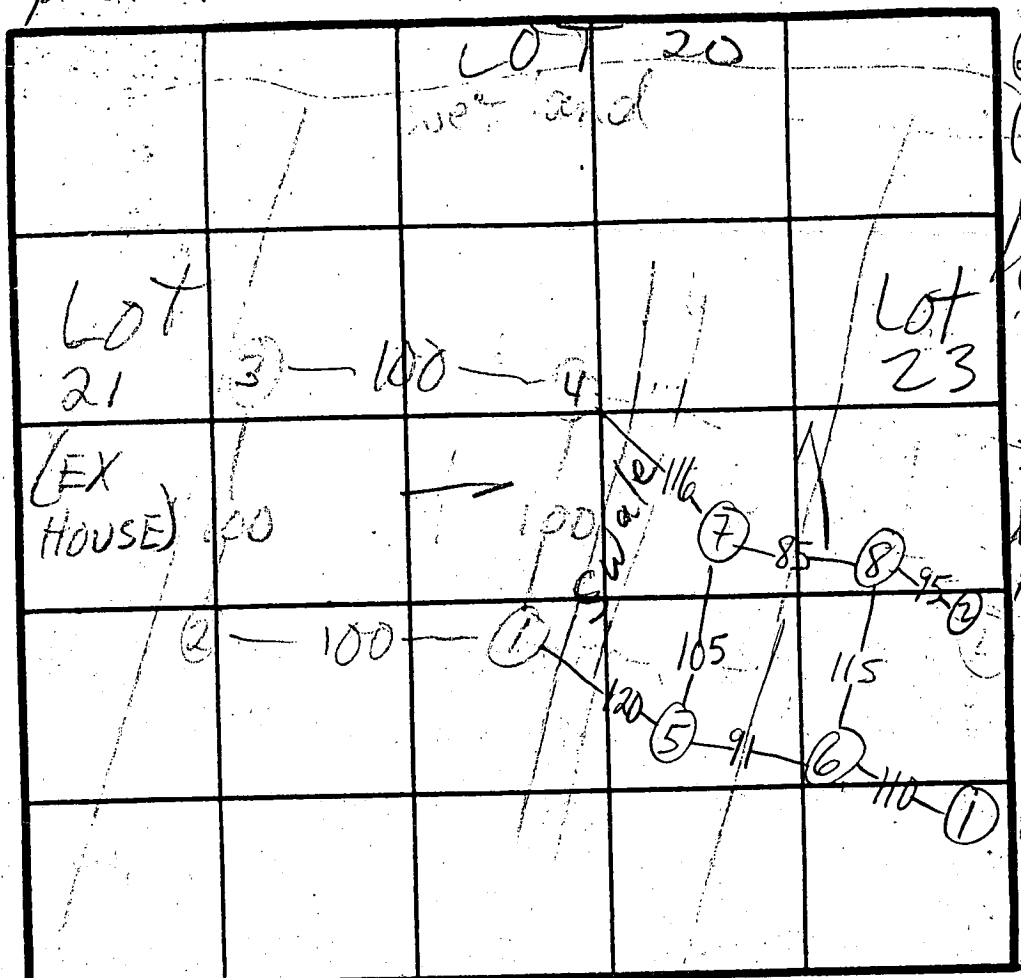
HD-216

Lot 22 20 on prelim

A 43093 B

SOIL PROFILE
 6" 0' topsoil
 yellowed org. silty clay loam
 4' med. org. sandy silt loam
 high mica some lg. frags
 10-15% frags

Holes 5-8 SEE NEXT PAGE
 INLET 4
 BOTTOM 8
 X 10 MIN
 210 A



② H1
 ① MED H1
 ③ MED LO
 ④ LO
 X = 10
 210 A BR
 Inlet 4
 Bottom 6
 HOLE 2
 Lot 23
 HOLE 1
 Lot 23

HIGHLAND RD INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/8/89	1S	6	1:58	2:09	2:09	2:26	17	
	1V	12 1/2	silt to ② 15%		frags with mica clay to		5-52	
	2S	5	1:33	1:37	1:37	1:44	7	
	2M	9	1:40	1:46	1:46	1:57	11	
	2V	12	VISUAL AS PROFILED					
	3S	5	2:09	2:13	2:13	2:21	8	
	3V	12	yel. clay		clay to 4' 10-15% frags			
	4S	5 1/2	2:13	2:16	2:16	2:22	6	
	4V	13	org. soil clay to		4 1/2 v. high mica 10% frags			
3/10/89	5S	5	4:17	4:20	4:20	4:24	4	
	5V	11	clay to 4' 10-15% frags					

REMARKS ~~Holes dug per plat use ①-④~~
 TYPE OF SOIL ~~Holes 5-6-7-8 used for Lot 20~~ (Holes 1-4 are Lot 19)
 TESTED BY M. Rifkin ALSO PRESENT D. Hopkins

1.6172	657-698	275.00'	103.16'	21° 29' 33"	52.19'	102.55'	5.53° 31' 17"E
2.0000							
3.9607							
4.0000							
5.6231							
6.0000							
7.8627							
8.5620							
9.9548							
10.4050							
11.7993							

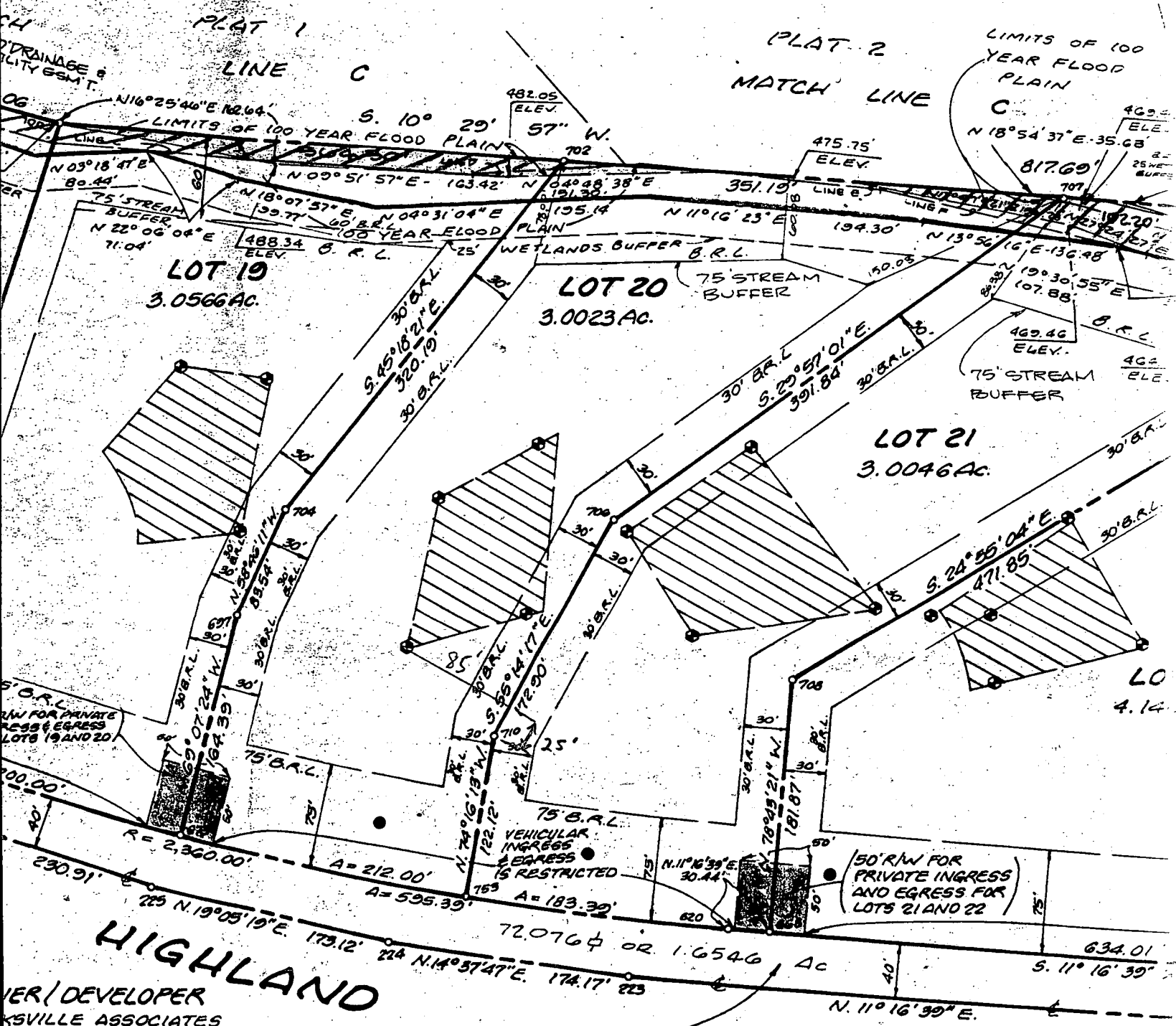
NET
LOT
GROS
100Y
NET

NOTE: "NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLAND OR STREAM BUFFERS", EXCEPT AS ALLOWED PER WP-89-119.

50' DRAINAGE & UTILITY EASEMENT

LINE A S 47° 13' 29" W	97.97'	LINE H S 46° 45' 47" W	80.35'
LINE B S 21° 39' 53" W	223.80'	LINE I S 49° 21' 53" W	37.90'
LINE C S 10° 34' 36" W	303.55'	LINE J N 20° 13' 53" E	91.47'
LINE D S 02° 31' 06" W	120.44'		
LINE E S 11° 56' 31" W	168.00'		
LINE F S 20° 08' 50" W	161.56'		
LINE G S 20° 29' 29" W	113.87'		

ON MARYLAND SYSTEM



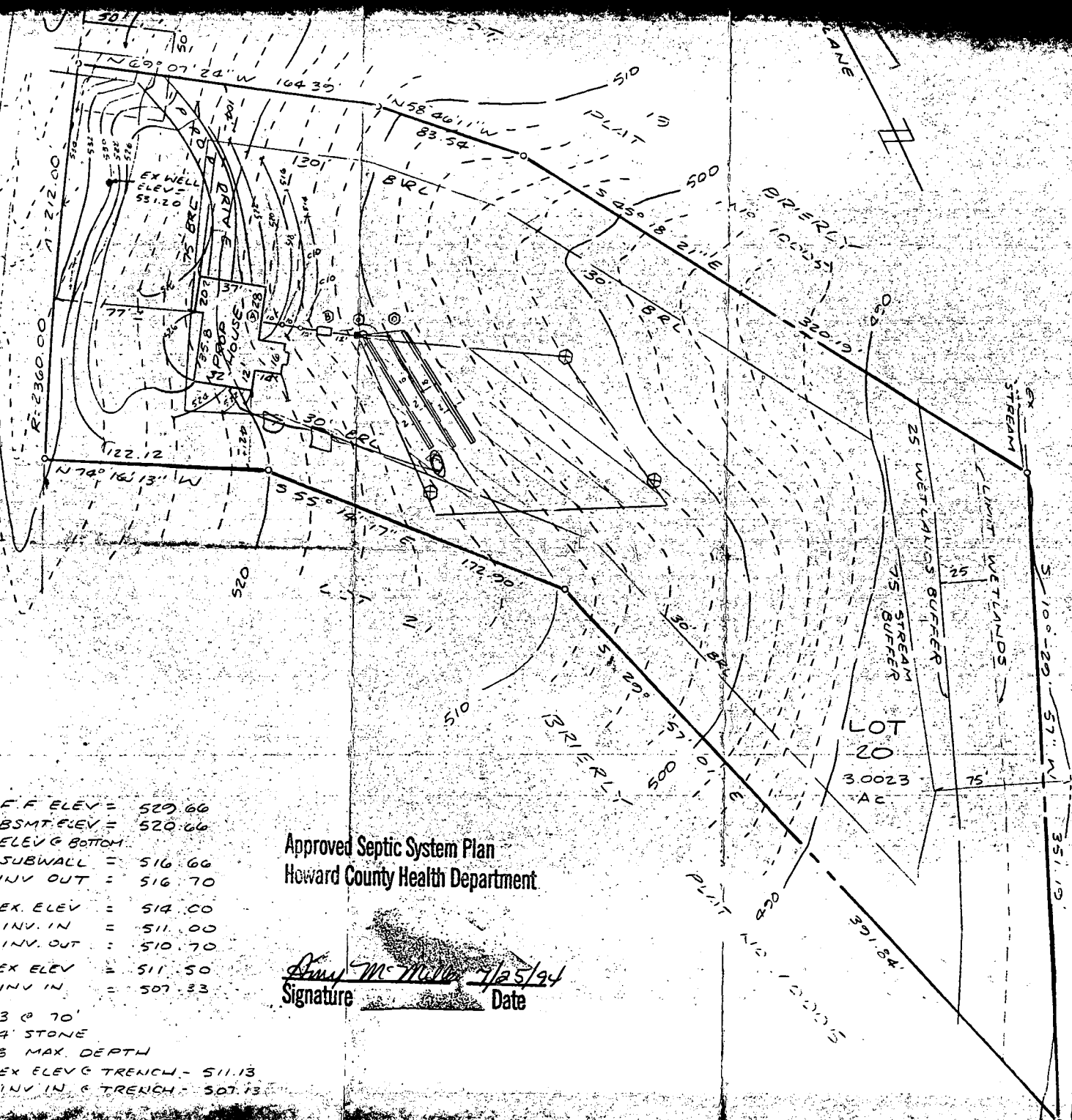
OWNER/DEVELOPER
KANSVILLE ASSOCIATES
LAWRIE B. SARGENTS
10 WEST MEATH LANE
KANSVILLE, MARYLAND 21029

LAND DEDICATED TO
HOWARD COUNTY,
MARYLAND FOR PURPOSE
OF A PUBLIC ROAD

ROAD (80' R/W)

HIGHLAND ROAD
(80' RW)

EX MASADAM
PAVING



- ① PROP HOUSE - F.F. ELEV = 520.66
BSMT. ELEV = 520.66
ELEV G BOTTOM
SUBWALL = 516.66
INV OUT = 516.70
- ② PROP. SEPTIC TANK - EX. ELEV = 514.00
INV. IN = 511.00
INV. OUT = 510.70
- ③ PROPOSED DISTRIBUTION BOX - EX ELEV = 511.50
INV. IN = 507.33
- ④ PROPOSED TRENCHES - 3 @ 70'
4' STONE
8' MAX. DEPTH
EX ELEV G TRENCH - 511.13
INV. IN G TRENCH - 507.13

Approved Septic System Plan
Howard County Health Department

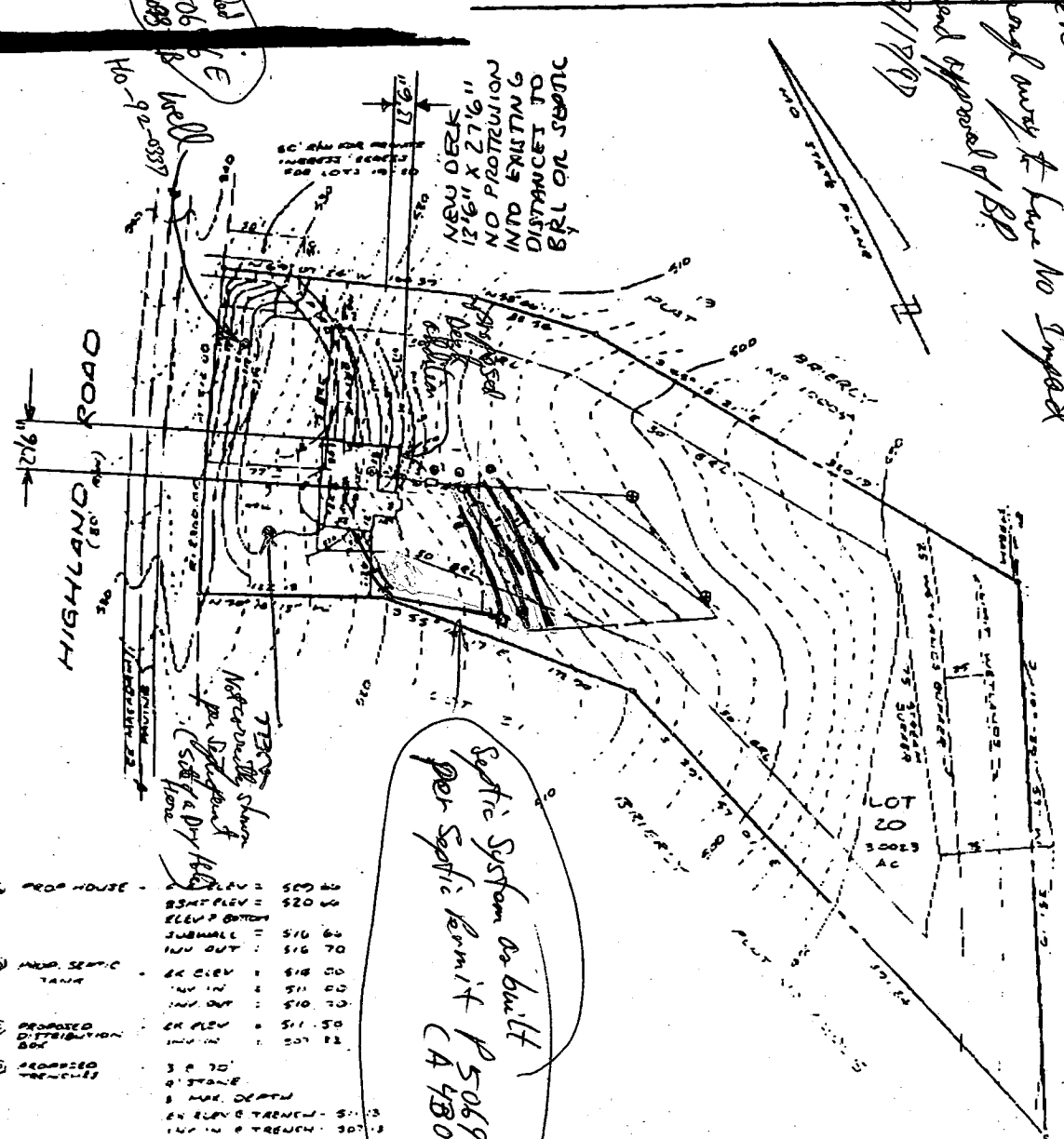
Dana McMillan 7/25/94
Signature Date

NOT TO SCALE

SITE
LOT 20
BRIE
SITUATE
FIFTH E
HOWARD
SCALE

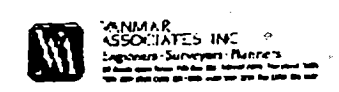
B 001068339 - Deck
 through floor slabs Sept well
 location as original proposed, add a of
 extended well + Sept location per
 Sept permit indicates Deck's still
 Footing away to have no impact
 beamhead approved by BP
 8/17/92

Well P 5066
 45888
 45888



PROPOSED HOUSE	GR FLEV = 509.60
	BSMT FLEV = 520.60
	ELEV. BOTTOM
	JUBBLE = 516.60
	IN. OUT = 516.70
PROPOSED MAIN SEPTIC TANK	GR ELEV = 518.00
	IN. IN = 511.00
	IN. OUT = 510.70
PROPOSED DISTRIBUTION BOX	GR FLEV = 511.50
	IN. IN = 507.12
PROPOSED TRENCHES	3' x 12'
	9' STONE
	3' MAX. DEPTH
	GR ELEV. TRENCH = 511.13
	IN. IN & TRENCH = 507.12

SITE PLAN
 LOT 20 SECTION 2
 BRIERLY
 SITUATED ON HIGHLAND ROAD
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, ILLINOIS
 SCALE 1" = 50' MAY 1992



PLAT REFERENCE - HOWARD COUNTY
 PLAT NO. 10005

501259.0112	805781.4921	668	501135.5671	805781.6403	657-698
501407.5909	805805.4822	704	501443.0000	806122.0000	210.00
501571.1930	805862.0981	704	501544.8994	805896.9607	
501781.5969	805957.2349	673	501212.0000	806090.0000	
501728.5276	805976.0609	706	500872.4897	806235.6231	
501165.4175	805787.5928	707	501100.0000	805960.0000	
500513.7969	805657.6516	708	502047.1535	806094.8627	
500345.3464	805617.9155	709	501486.3161	806050.5620	
502049.7868	806130.8960	697	501310.5846	805947.9548	
501906.9262	806484.8794	710	501343.6924	805830.4050	
		753	500611.6834	806153.7093	
502061.4992	806164.1641	700			
500772.0000	806267.0000				
501845.9567	806567.3395				
501781.4398	806497.6074				

COORDINATES ARE BASED ON MARYLAND STATE GRID COORDINATE SYSTEM

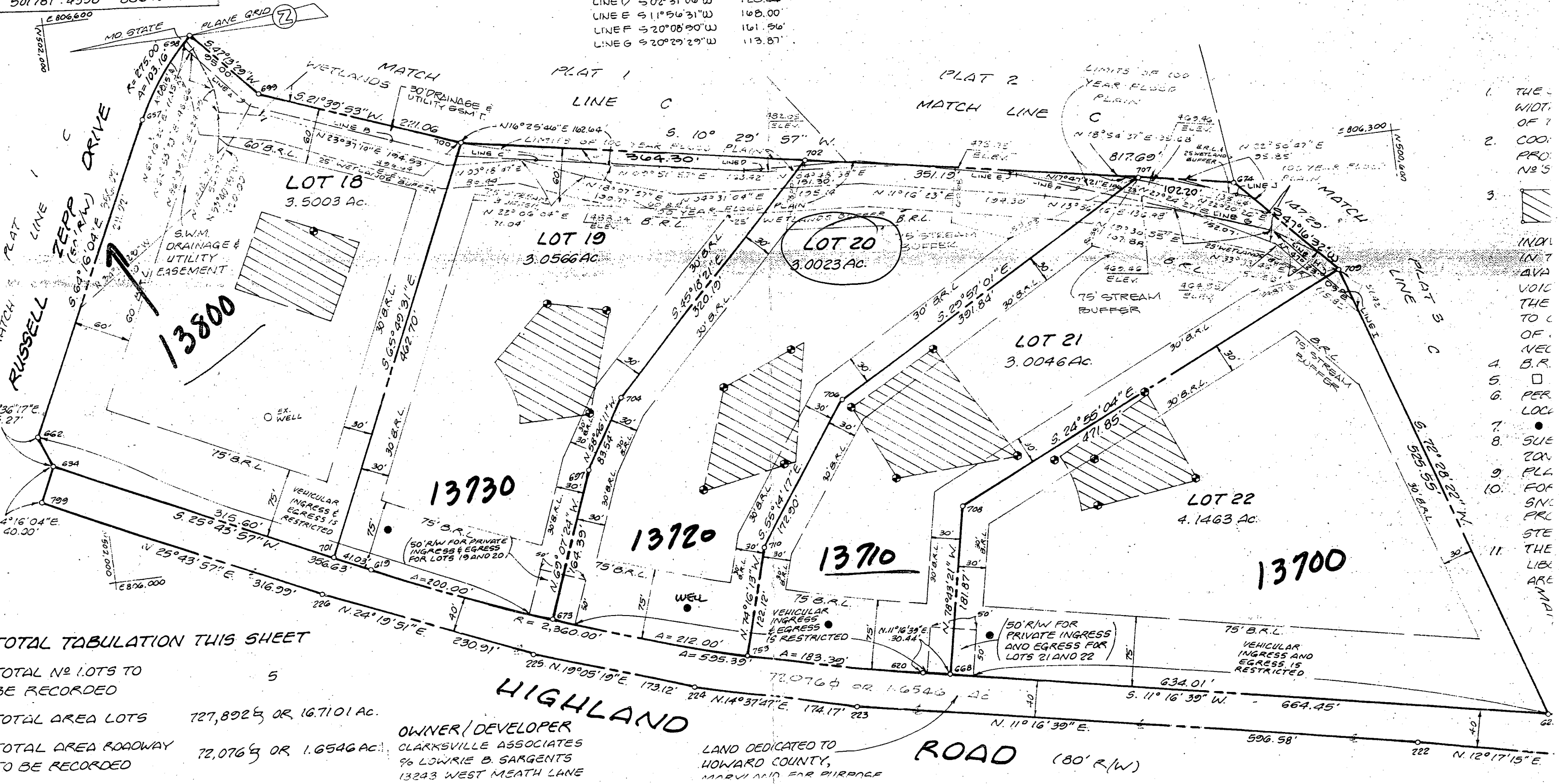
NOTE: "NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLAND OR STREAM BUFFERS", EXCEPT AS ALLOWED PER WP-89-119.

30' DRAINAGE & UTILITY EASEMENT

LINE A	S 47°13'29"W	97.99'	LINE H	S 46°45'47"W	80.35'
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LINE D	S 02°31'06"W	120.44'			
LINE E	S 11°56'31"W	168.00'			
LINE F	S 20°08'50"W	161.56'			
LINE G	S 20°29'29"W	113.87'			

GROSS LOT AREA	3.0023 AC.	GROSS LOT AREA	
100 YR. FLOOD PLAIN	0.0400 AC.	100 YR. FLOOD PLAIN	
NET LOT AREA	2.9623 AC.	NET LOT AREA	

* WP-89-119 TO ALLOW DIRECT ACCESS FOR LOTS HIGHLAND ROAD, TO ALLOW CULVERTS TO EXCEED 1,200 FEET AND ALLOW A ROAD GRADING WITHIN THE WETLANDS.



TOTAL TABULATION THIS SHEET

TOTAL NO LOTS TO BE RECORDED	5
TOTAL AREA LOTS	727,892.83 OR 16.7101 AC.
TOTAL AREA ROADWAY TO BE RECORDED	72,076.63 OR 1.6546 AC.

OWNER/DEVELOPER
CLARKSVILLE ASSOCIATES
% LOWRIE B. SARGENTS
13243 WEST MEATH LANE

LAND DEDICATED TO
HOWARD COUNTY,
MARYLAND FOR PURPOSE

1. THE WIDTH OF THE
2. COORDINATE POINTS
3. [Symbol]
4. INDICATED
5. AVAILABILITY
6. THE TO C
7. OF
8. B.R.
9. PER
10. LOCAL
11. SUE
12. ZON
13. ALL
14. FOR
15. SUE
16. PRL
17. STE
18. THE
19. LIBE
20. ARE
21. MAI

C1 7819

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

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

COUNTY NUMBER A# 43093 B

ST/CO USE ONLY

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED grid: 051793

Depth of Well grid: 175

PERMIT NO. grid: H0-92-0337

OWNER: CLARKVILLE ASSOCIATES last name: CLARKVILLE first name: TOWN: CLARKVILLE SUBDIVISION: BIRLEY SECTION: LOT: 20

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, FEET (FROM, TO), Check if water bearing. Rows: Overburden, Brown Shale, Gray Rock.

Well #1 400' Dry (backfilled) Well #2 300' Dry (backfilled) Well #3 300' Dry (backfilled)

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES [Y] NO [N]

TYPE OF GROUTING MATERIAL CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 9 NO. OF POUNDS 900 GALLONS OF WATER 54 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 30 ft.

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

MAIN CASING TYPE Nominal diameter (nearest inch) Total depth of main casing (nearest foot) [ST] [6] [30]

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] STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

Table with columns: E A C H S C R E E N, DEPTH (nearest ft.) grid: H0, 30, 175

CIRCLE APPROPRIATE LETTER 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...

DRILLERS IDENT. NO. 399

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

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

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

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

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 17 METHOD USED TO MEASURE PUMPING RATE Submersible

WATER LEVEL (distance from land surface) BEFORE PUMPING 20 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) [+ above] [- below] LAND SURFACE (nearest foot)

