

7/10/96 or
7/11/96
Anytime

TAX # 04 353560

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 57012 A

A 42730

DISTRICT _____

DATE 7/3/96

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~313-2640~~ 313-2640

DATE SYSTEM APPROVED 7-10-96

INSPECTOR SS

Arnold Backhoe & Septic Service, Inc. IS PERMITTED TO INSTALL _____ ALTER _____

ADDRESS 7110 Woodbine Road, Woodbine, MD 21797 PHONE 795-7873

SUBDIVISION Chessie Crossing LOT Lot 19 ROAD 700 Chessie Crossing Way

PROPERTY OWNER Jeffrey Nank

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

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

LOCATION - Place the distribution box 210 feet from the back lot line (north line) and 70 feet from the west side line (628.84'). Run the trenches along contours east and west.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter and cap to grade or above on septic tank. 5/17/96 OK Au

PLANS APPROVED BY Raymond Hodges DATE 7/13/92

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**

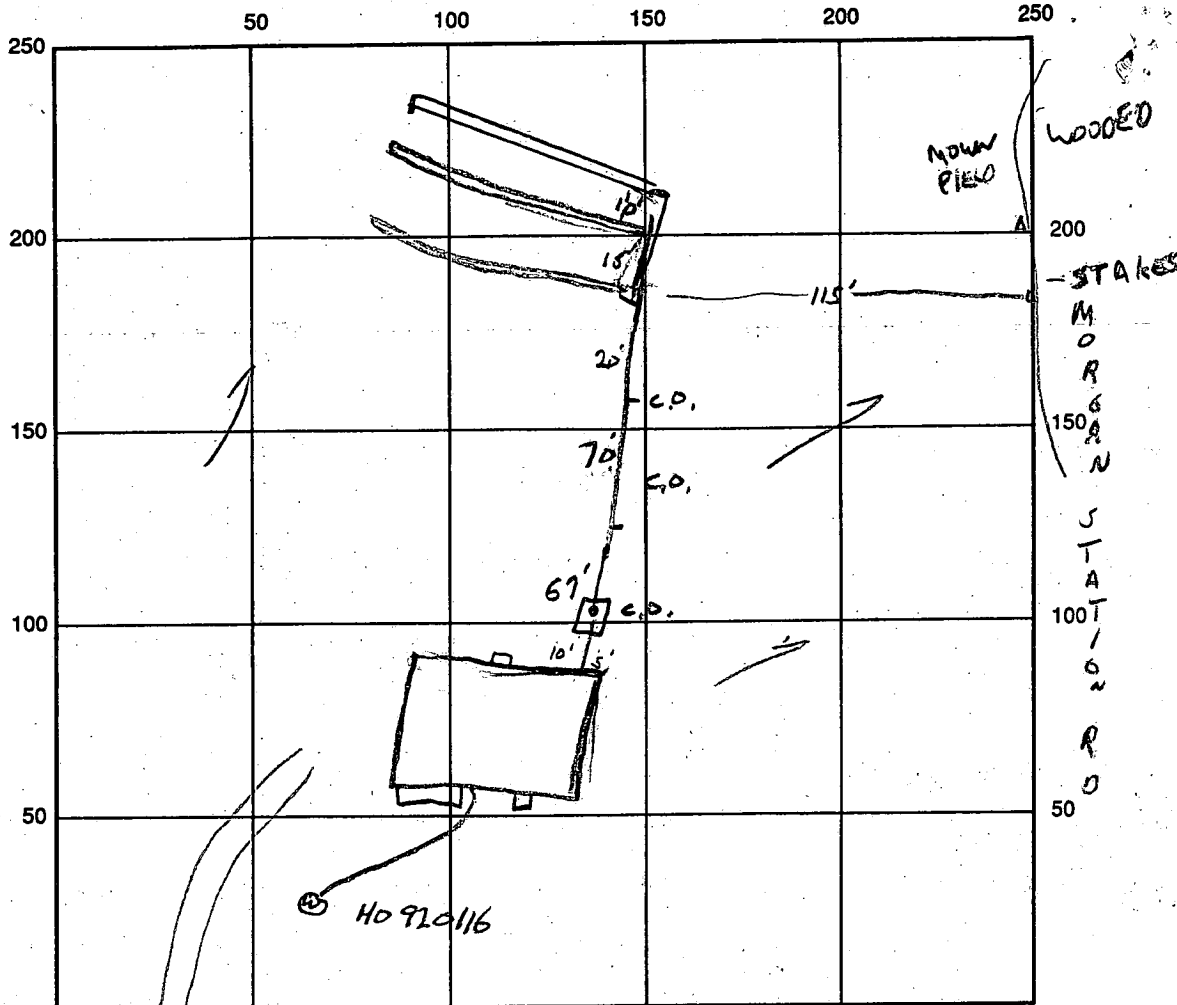
HD-260(6-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

PLD. PERMIT SIGNED
AND RETURNED 7-11-92
Seal # 40107873
deh

A 42730

WOODBINE MORGAN ROAD



2
31
3
119

SEPTIC TANK LEVEL OK CLEANOUTS 1 AT WALL, 1 IN TANK, 2 IN LINE
 DISTRIBUTION BOX LEVEL OK
 DRAIN FIELD/TITLE DEPTH 4 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 FT.
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH $\frac{1+2+3}{80/80/80}$ FT. = 240
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 220 SQ. FT.
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.
 ABSORBENT AREA — SQ. FT.

REMARKS: 7/10/96 DIST BOX IS ± 210' FROM REAR LOT LINE, ADD 2 REPAIR TRENCHES ABOVE HIGHEST TRENCH, OK TO COVER SYSTEM

DATE SYSTEM APPROVED 7-10-96 INSPECTOR Blair J...

APPLICATION

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 992-2330

A 42729
P _____
DISTRICT 4
DATE August 2, 1988

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 Paul V. & Bong Cha Brosenne Aldo & DEARLA Smith
ADDRESS 694 Morgan Station Road Woodbine, MD 21797 PHONE 489-4052

PROPERTY LOCATION: Prospective Buyer: Lambert Cissell 442-5671
SE Corner of 3425 Hipsley Mill Rd. Woodbine, MD 21797

SUBDIVISION Chessie Crossing Morgan Woodbine Rd. & Morgan Station Rd. LOT NO. 1
700 CHESSIE CROSSING WAY
ROAD AND DESCRIPTION New Road - Road A, Tax Map 3, Parcel 4

SIZE OF LOT 3 acres +/- TYPE BLDG. single family residence - 4Bm
BLDG. PERMIT SIGNED AND RETURNED 8/26/88
Serial # B10107639
(NUMBER OF BEDROOMS)

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.

James L Newburn (997-3815)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12/13/88 Per OK Hold for Plat B/W

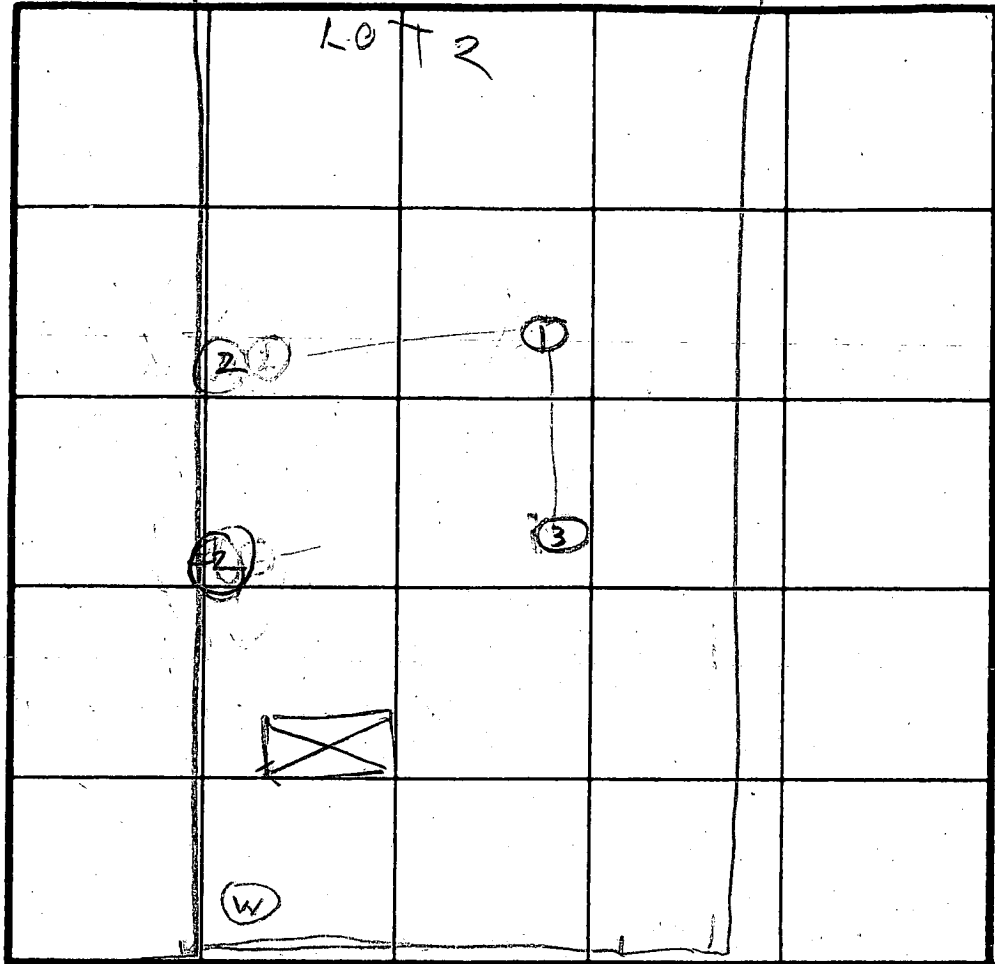
THIS IS NOT A PERMIT

Return May 12-19-88 9:30 AM

Final 20

MORGAN WOOD BLVD RD

42729
LOT NBW 20



AV TIME 5 MIN
MAX DEPTH 2 FT

SOIL PROFILE
1
CLAY
2
BROWN SAND LOAM
50% SMPLE SHALE

2
CLAY
BROWN SAND LOAM
5% SHALE FRAGS

3
CLAY
SAND LOAM
20% SHALE FRAGS

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

PROPOSED RD

DATE	TEST NO	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/13/58	1S	3	10 50	1 22	1st inch 16 sec	2nd inch 30	
	1S (shallow)	3	10 50	1st inch	52 sec	2nd inch 68 sec	
12	1V	11	OK				
	2S	4	11 05	11 07	11 07	11 16	9
	2V	12	OK				
	3V	11	OK				
11	2V	12	OK				

ONLINE LOT 28
LOT 3
ON 44

REMARKS

TYPE OF SOIL

TESTED BY

B. Hodge

ALSO PRESENT

O. Ketterman

C1 6851 SEQUENCE NO. (DENV USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER A42730

ST/CO USE ONLY, DATE Received
 DATE WELL COMPLETED 071992

Depth of Well 205 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-92-0116

OWNER DEVELOPMENT NEW BURN
 STREET OR RFD CHESSIE CROSSING WAY TOWN WOOD BINE
 SUBDIVISION CHESSIE CROSSING SECTION LOT 19

WELL LOG
 Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
Brown Shale	0	79	
Blue Rock	79	205	

GROUTING RECORD
 WELL HAS BEEN GROUTED (yes) (no) Y N
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 17 NO. OF POUNDS 1598
 GALLONS OF WATER 102
 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 50 ft.

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

MAIN CASING TYPE St
 Nominal diameter top (main) casing (nearest inch) 4
 Total depth of main casing (nearest foot) 94

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 OPEN HOLE PLASTIC OTHER

DEPTH (nearest ft.)

EACH SCREEN	DEPTH (nearest ft.)
1	82
2	
3	

SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) 56 60

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. 238
 DRILLERS SIGNATURE Joseph E. Morgan

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

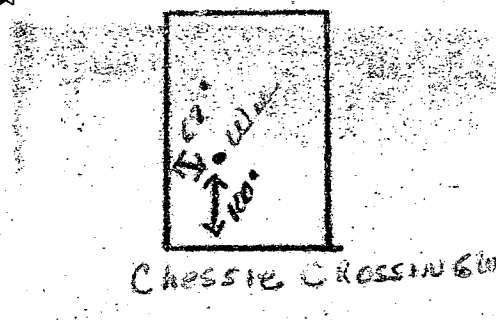
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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.) 12
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface) BEFORE PUMPING 49 WHEN PUMPING 51
 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 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) LAND SURFACE (nearest foot)

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)



NOTES:

1.  This area designates a private sewage easement of 10,000 Square Feet as required by the MD. State Dept. of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

- 2. The lots shown hereon comply with the minimum lot area and ownership width as required by the MD. State Dept. of the Environment.
- 3. Existing Zoning: RC per the 10/18/93 Comprehensive Zoning Plan.
- 4. Provide manhole cleanout to finished grade @ prop. septic tank.

Septic System Design Data

- 1. 4 Bedrooms
- 2. Inv. 2 Wall = 538.0
- 3. 1250 Gallon Septic Tank
Ex. Grade over tank = 542.50
Fin. Grade over tank = 540.00
Inv. In = 537.80
Inv. Out = 537.50
- 4. Distribution Box: 3 outlets (min).
Ex. Grade @ Box = 527.50
Fin. Grade @ Box = 527.50
Inv. = 525.50
- 5. Trench Data: 180 SF/BR
4 BR x 180 SF = 720 SF ÷ 3.0 = 240 LF Trench
Use: (2) 70' trench
(1) 100' trench
Trench A:
Ex. Grade = 527.40
Invert = 525.40
Bottom of trench = 525.40
Length = 70'
Width = 3'-0"
(See below for trenches B & C)

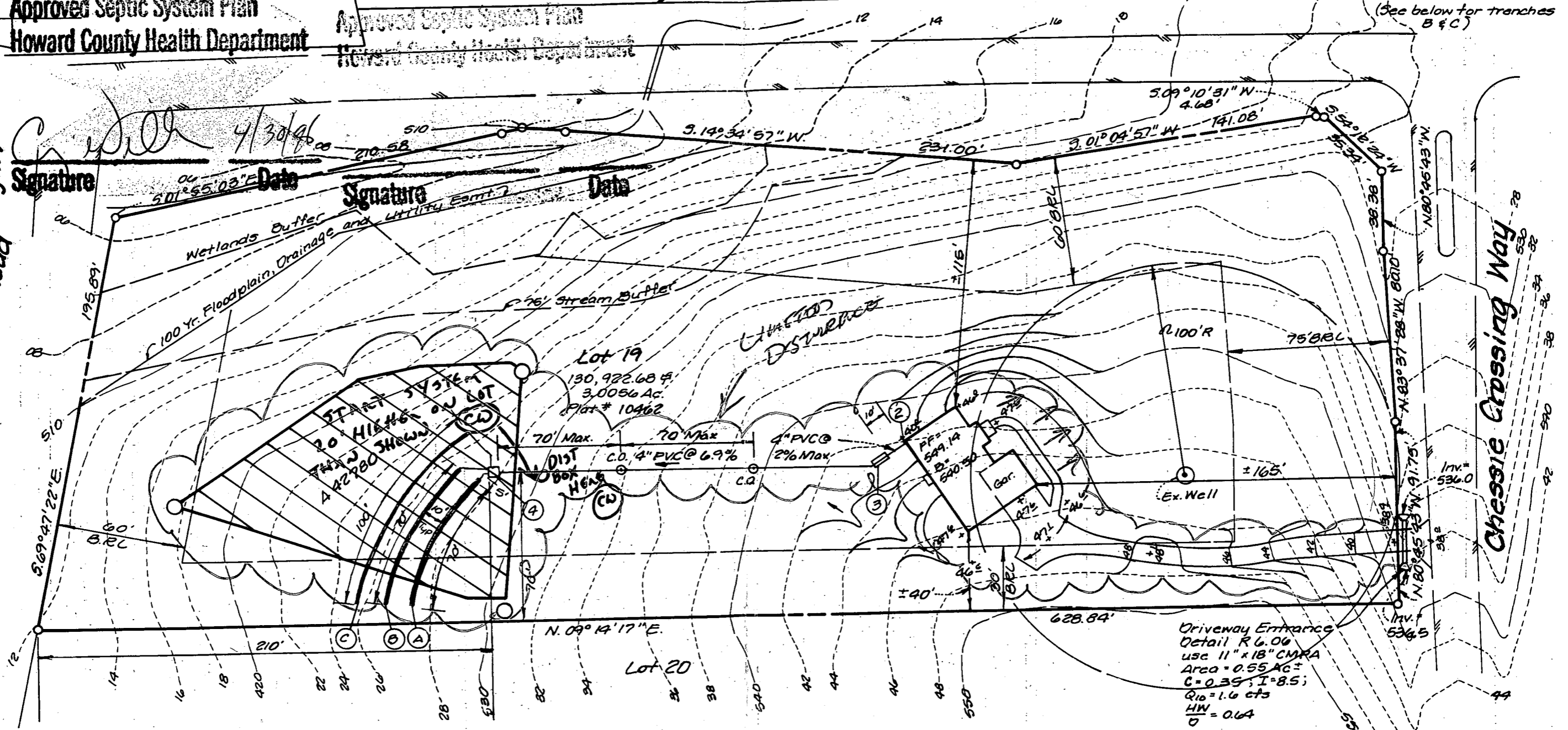
Approved Septic System Plan
Howard County Health Department

Approved Septic System Plan
Howard County Health Department

Morgan Station-Road

Woodbine-Morgan Road

Chessie Crossing Way



Signature

Date

Signature

Date

Trench B
Ex. Grade = 526.50
Invert = 524.50
Bottom = 522.50
Length = 70'
Width = 3'-0"

Trench C
Ex. Grade = 525.50
Invert = 523.50
Bottom = 521.50
Length = 100'
Width = 3'-0"

Driveway Entrance
Detail R6.06
use 11" x 18" CMRA
Area = 0.55 AC±
C = 0.35; I = 8.5;
Q₁₀ = 1.6 cfs
HW
O = 0.64

APPROVED: For Private Water and Private Sewage Howard County Health Department.
Howard County Health Officer _____ Date _____

LDE Inc
Engineers, Surveyors, Planners
9250 Rumsey Road Suite 106
Columbia, MD 21045
(410)715-1070 - (301)596-3424 - FAX (410)715-9540

PLOT PLAN		
LOT 19 CHESSIE CROSSING		
4th Election District; Howard County, MD.		
Date:	Drawn:	Rev.
April 1996	BEI	
Scale:	LDE Job No.	Sheet
1" = 50'	96-022	1 of 1

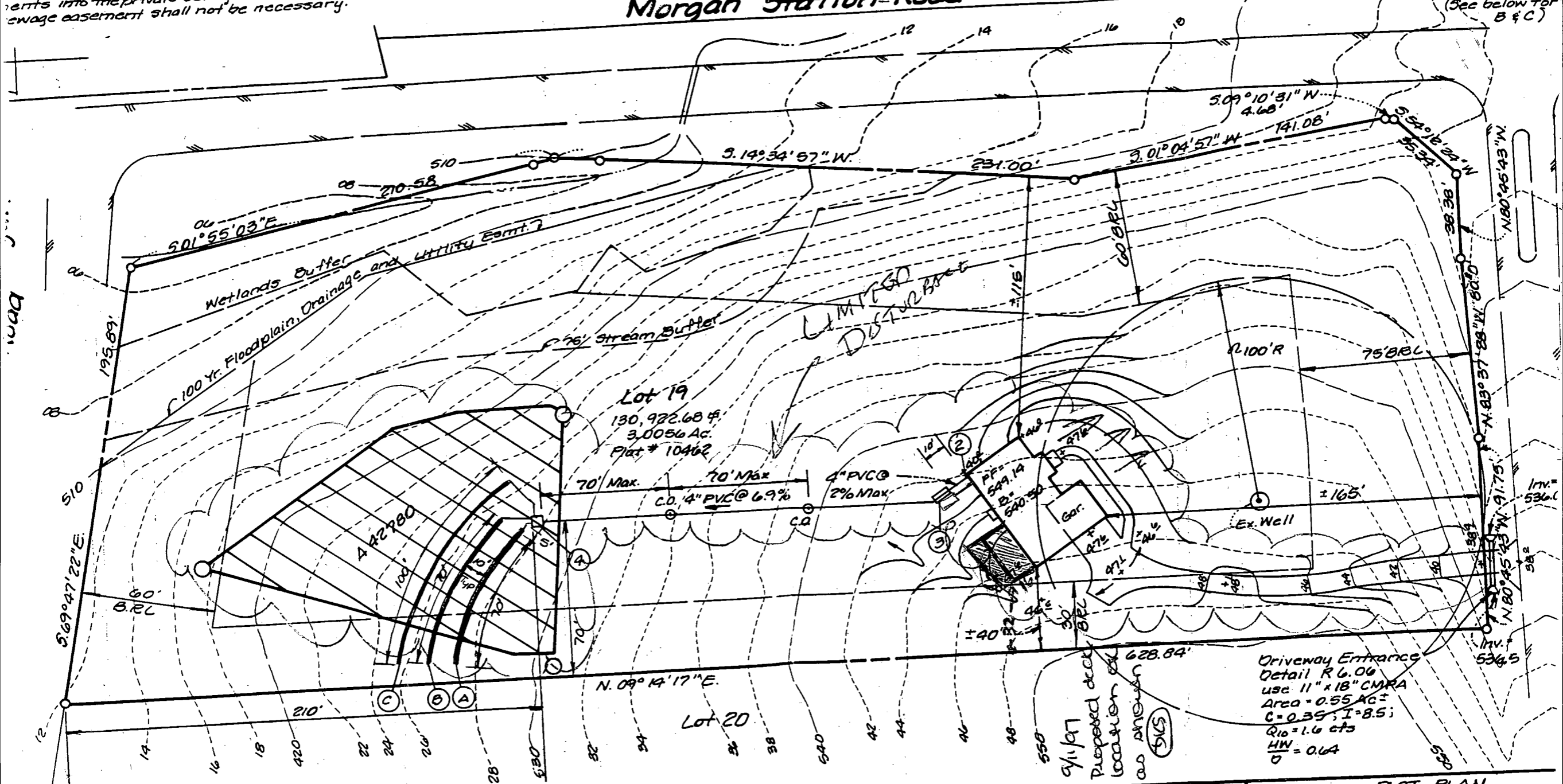
Building Permit No :

available. The connection to a public sewage system. The Officer shall have the authority to grant variances permits into the private sewage easement. Recordation sewage easement shall not be necessary.

Morgan Station-Road

015118000
 Ex. Grade @ Box = 527.50
 Fin. Grade @ Box = 527.50
 Inv = 525.50

Donor: [unclear]
 Length = 20'
 Width = 3'-0"
 (See below for B & C)



Lot 19
 130,982.68 sq ft
 3.0056 Ac.
 Plat # 10462

Lot 20

Trench B
 Ex. Grade = 526.50
 Invert = 524.50
 Bottom = 522.50
 Length = 70'
 Width = 3'-0"

Trench C
 Ex. Grade = 525.50
 Invert = 523.50
 Bottom = 521.50
 Length = 100'
 Width = 3'-0"

LDE Inc
 Engineers, Surveyors, Planners
 9250 Rumsey Road Suite 106
 Columbia, MD 21045

PLOT PLAN		
LOT 19 CHESSIE CROSSING		
4th Election District; Howard		
Date:	Drawn:	R
April 1996	BEI	
LDE Job #19		S

2: For Private Water and Private Yard, County Health Department.