

SYSTEM TO BE INSTALLED FIRST
BEFORE BUILDING PERMIT IS
SIGNED.

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

INDEXED

ELLICOTT CITY

DISTRICT 5th

DATE 4/10/78

INSTALLED - NOT APPROVED 8/22/80

CBS

Costello Builders IS PERMITTED TO INSTALL ALTER

ADDRESS 2201 Route 94, Woodbine, Md. PHONE _____

SUBDIVISION Highland Lake ROAD Holly Loch Lane LOT 24, sec.1

PROPERTY OWNER Costello Builders

ADDRESS same as above

SPECIFICATIONS 4 bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

DEEP TRENCH _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

INLET PIPE _____ FT. BELOW ORIGINAL GRADE, MAXIMUM DEPTH _____ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA _____ FT. FROM _____ LOT LINE AND _____ FT. FROM _____ LOT LINE AS SEEN WHEN
FACING LOT FROM

DRY WELL-to have 160 sq. ft. effective absorbent sidewall area per bedroom below inlet.
Inlet to be 4 ft. below original grade and maximum depth 12 ft. LOCATION PER ENGINEER'S
PLAT. If dry well and trench are used, need a 5 ft. earth buffer between dry well and
trench.

PLANS APPROVED BY D.W.M. / Charles Streaker DATE _____

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE 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 ACCEPTED.

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**

A 23987
18587

Lot 24
P 27782
A 23987

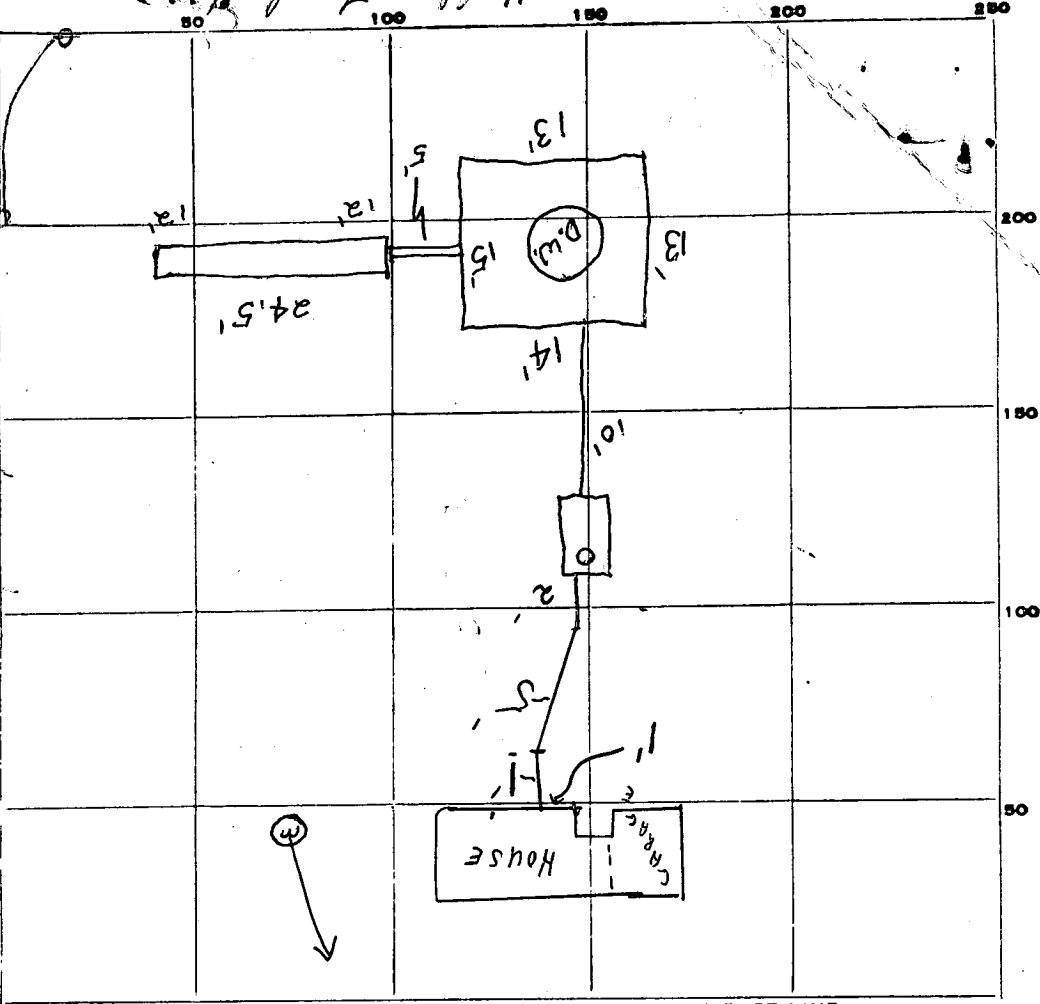
2/12
8/15/78
9/19/80

4/9/79
8/22/80
9/19/80

A23987

Holl. York Road

Side of Spruce Drive



24.5
x 7.5

1825
1715

19385

160
x 4

640

134
140

±624

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

8/15/78 Young/Costello
PERMIT CARD *Phone* *Geo. Higgins (#24)*

Rt 216

Highland

SEPTIC TANK, LEVEL ✓

S.T.	D.W.
Manhole needed	✓

terracotta

DISTRIBUTION BOX, LEVEL Na N/A

Trench
TILE FIELD, DEPTH 12 FT. TRENCH WIDTH FT.

GRAVEL DEPTH 7 1/2 ft IN. TOTAL LENGTH 24.5 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA ±184

SEE PAGE PITS, INSIDE DIAMETER outside perimeter 55 FT. DEPTH BELOW INLET 8 FT. (2) 440

ABSORBENT AREA ±624 SQ. FT.

Depth of the shell 12' D.W.

REMARKS Partial 7/12/78 Trench + D.W. with excavation only. To take out in

stone in trench (1/2 mile first time, saw house plans was on site) c.s. &

15 Aug 78 - OK to cover DW + trench. Manhole type cleanout needs to be installed on septic tank (5' below grade) (GLK)

No house connection (GLK) 16 Aug 78 - see attached (GLK)

10-11-79 D.W. 9 1/2' deep, 4 1/2' to hd, 5' dia. L.L. 8-22-80 Stop Work SR + CB.5

8/22/80 DATE SYSTEM APPROVED INSTALLER - NOT APPROVED 8/22/80 INSPECTOR CHARLES STASAKON (CW)

APPLICATION

A 23987

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

DISTRICT Fifth

DATE 9/15/76

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. Walter Bucher *Highland Lake*

ADDRESS Highland Partnership
8777 First Avenue PHONE (8)-588-3100
Silver Spring, MD 20901

PROPERTY LOCATION:

SUBDIVISION Highland Lake LOT NO. 59 [#] 39

ROAD AND DESCRIPTION Holly Leeh Lane

SIZE OF LOT one acre m/1 TYPE BLDG. 3 or 4 bedroom
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/ Mr. Walter Bucher

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

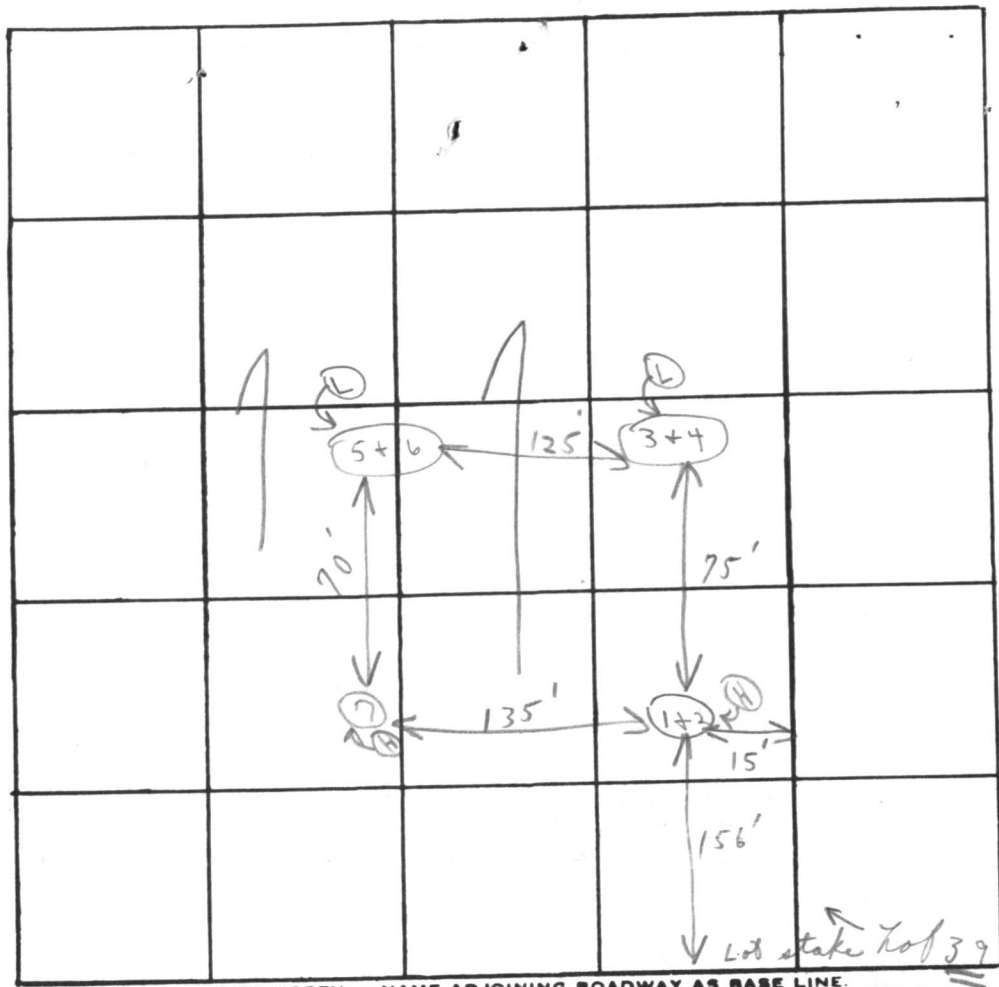
REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

A23987



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

RD 216

Highway

#24
#26

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/2/76	1	4' s	10:15	10:16	10:16	10:18	2 m	
	(H) 2	13' o	10:15	10:17	10:17	10:20	3 m	
	3	3' s	10:28	10:30	10:30	10:33	3 m	
	(L) 4	13 1/2' o	10:28	10:30	10:30	10:36	6 m	
	clay first	5 1/2' s	10:55	10:57	10:57	11:01	4 m	
	(L) 6	12' o	10:44	10:46	10:46	10:50	4 m	
	(H) 7	13' Visual	similar to others			3	4'-5'	candy loam at start
					6	22		

13' { 1-3' clay
4'
↓ loam sandy (H)
13 1/2' { 1-2 1/2' clay
↓ loam
12' { clay first 5 1/2'
↓ loam (L) 6

inlet 4'
160 sq ft
4 m

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____

(Sandy loam below clay)

C.B.S.

ALSO PRESENT: _____

Kettermans

C 1. **9294** SEQUENCE NO. (WRA USE ONLY)

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

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER **A23987**

DATE RECEIVED (WRA USE ONLY) _____

DATE WELL COMPLETED **12-29-77**

DEPTH OF WELL **125'**

PERMIT NO. FROM "PERMIT TO DRILL WELL" **40-13-3400**

DRILLERS IDENTIFICATION NO. **217**

OWNER **COSTELLO BLDG. CORP**

LAST NAME **COSTELLO** FIRST NAME _____

STREET OR RFD **ROUTE 2 BOX 2201** POST OFFICE **WOOD BINE MD.**

WELL DESCRIPTION

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
BROWN SHALE	0	30	
GREEN SLATE	30	125	<input checked="" type="checkbox"/>

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES NO

TYPE OF GROUTING MATERIAL (CIRCLE BOX) CEMENT BENTONITE CLAY

CEMENT **CM** 45-46 BENTONITE CLAY **BC** 45-46

NO. OF BAGS **10** NO. OF POUNDS **140**

GALLONS OF WATER **60**

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM **0** FT. TO **41** FT. (ENTER 0 IF FROM SURFACE)

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) **2**

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) **25**

METHOD USED TO MEASURE PUMPING RATE **ACTUAL**

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING **33** (NEAREST FOOT)

WHEN PUMPING **120** (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX)

CENTRIFUGAL ROTARY OTHER (DESCRIBE BELOW)

AIR PISTON TURBINE

JET SUBMERSIBLE

CASING RECORD

INSERT APPROPRIATE CODE BELOW

STEEL CONCRETE

PLASTIC OTHER

MAIN CASING TYPE **ST** NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) **6** TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) **42**

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES NO

CAPACITY:

GALLONS PER MINUTE (TO NEAREST GALLON) **31** **35**

PUMP HORSE POWER **37** **41**

PUMP COLUMN LENGTH (NEAREST FOOT) **43** **47**

OTHER CASING (IF USED)

DIAMETER (INCH) _____ DEPTH (FEET) FROM _____ TO _____

SCREEN RECORD

INSERT APPROPRIATE CODE BELOW

STEEL BRASS OR BRONZE OPEN HOLE

PLASTIC OTHER

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

ABOVE } LAND SURFACE

BELOW } (NEAREST FOOT)

CIRCLE APPROPRIATE BOXES

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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME **C.A. CROMWELL**

(PLEASE PRINT) **C.A. Cromwell**

SIGNATURE **C.A. Cromwell**

SCREEN

DEPTH (NEAREST WHOLE FOOT)

1	2	3	4	5	6
40	41	125			
8	9	11	15	17	21
23	24	26	30	32	36
38	39	41	45	47	51

SLOT SIZE 1, _____ 2, _____ 3, _____

DIAMETER OF SCREEN **56** (NEAREST INCH) FROM _____ TO _____

GRAVEL PACK _____

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX **68** F

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING 70

LOG INDICATOR 72

OTHER DATA AVAILABLE 74 75 76

LOCATION OF WELL ON LOT

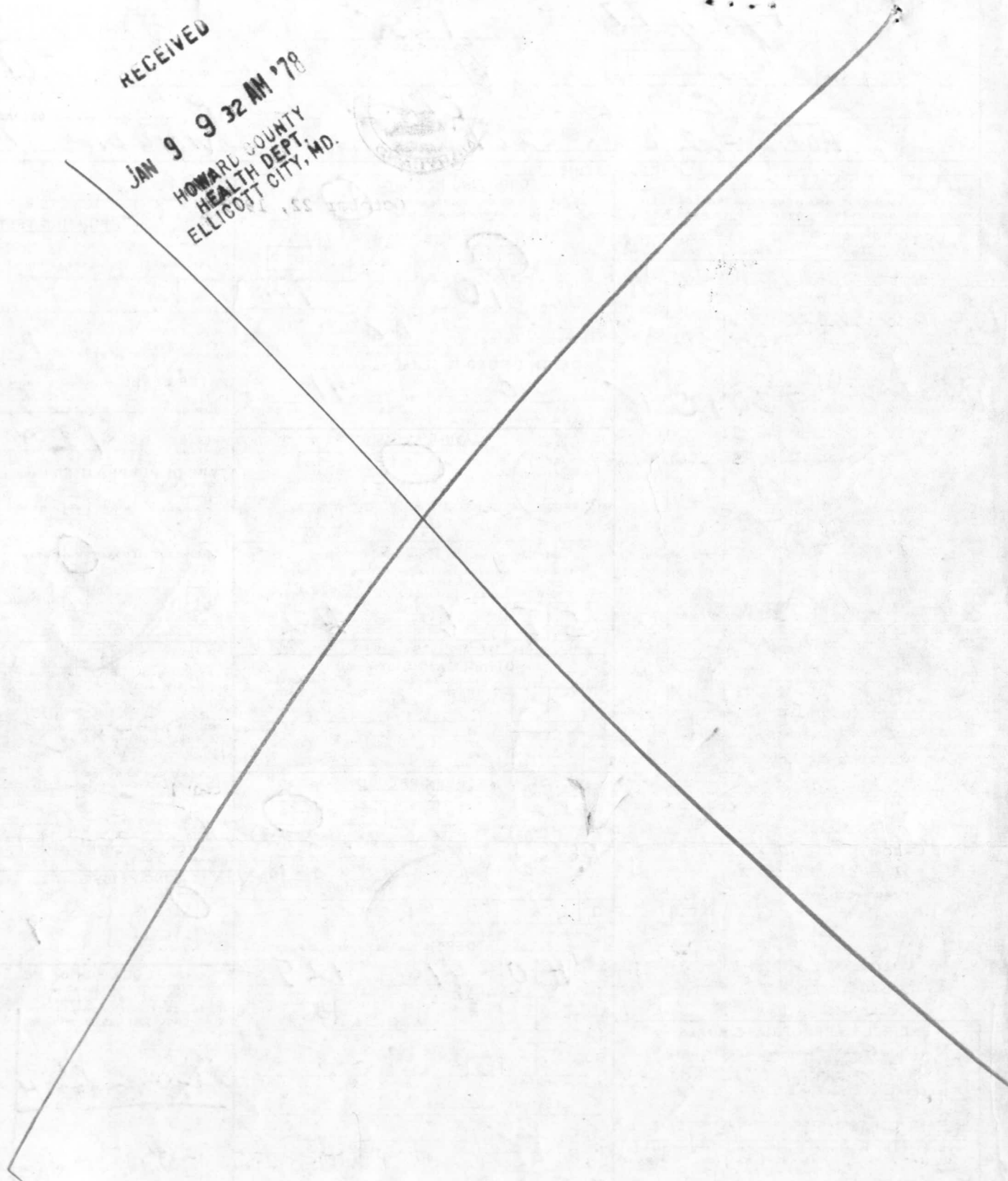
SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

BRIGHTON DRIVE RD.

RECEIVED

JAN 9 9 32 AM '78

HOWARD COUNTY
HEALTH DEPT.
ELLCOTT CITY, MD.





30

this line is 1' below 0.60

4-5' below 0.6.

- (1) well site relocated
- (2) house site questionable?
- (3) trench needed to compensate for drywell "damage".

not precise location
of system
as on
6 June 19
64K

COPY OF
SIGNED
PLAT

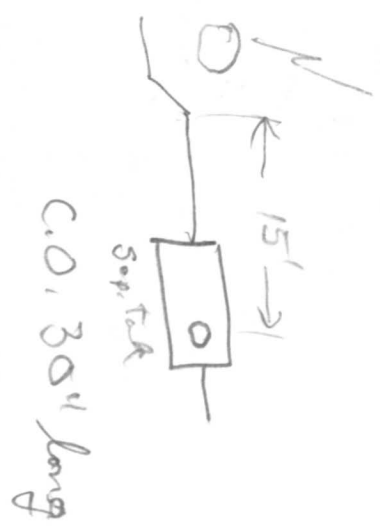
SCALE



(1) ...
 ...
 ...
 ...
 ...

2-26-80

drain pipe



...
 ...
 ...
 ...
 ...
 ...
 ...

Rx 2 1/2

LAND AREA = 1.4205 ac.

ISLE OF SKYE DRIVE

HOLLY LOCH LANE

ROAD
N 71° 54' 58" E - 18.76'
R: 250'

A = 144.45' N 60° 05' 24" E
R: 250'

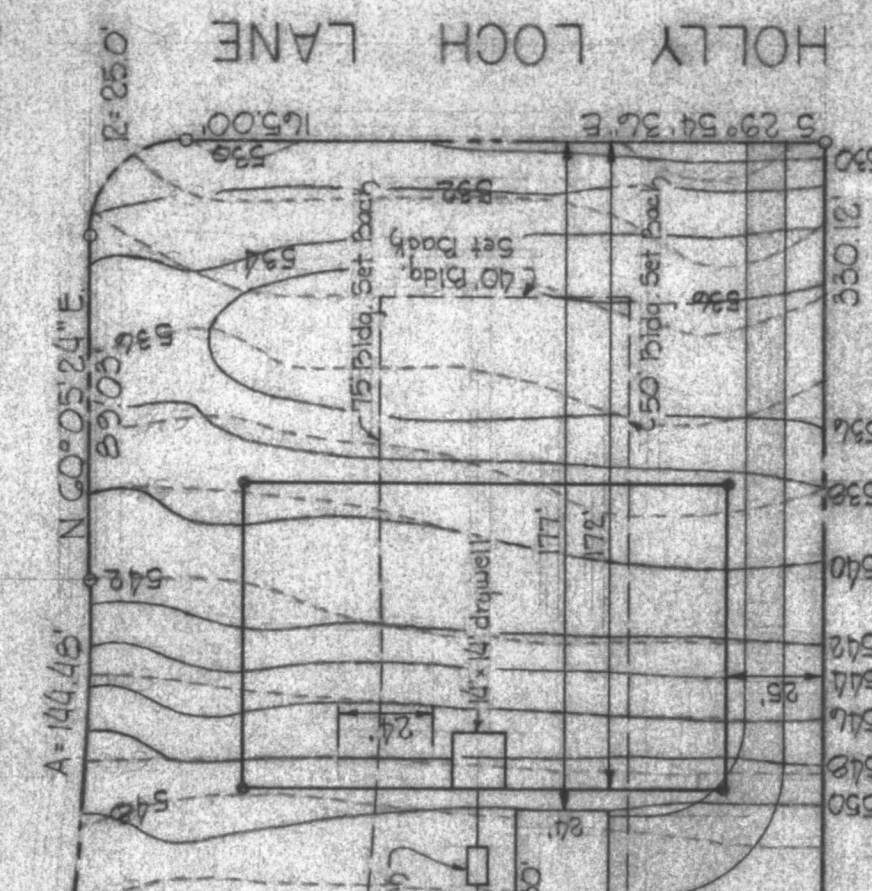
A = 179.55' N 16° 05' 02" W - 11.65'
R: 250'

HIGHLAND

R: 1096.0'

S 60° 05' 24" W

552
554
556
558
560
562
564
566
568
570
572
574
576
578
580
582
584
586
588
590
592
594
596
598
600



DESIGNED BY: Wm Young
LOT NUMBER: 24

APPROVED BY: [Signature]
SCALE: 1" = 50'
DATE:

SITE PLAN
13180 Holly Loch Lane
HIGHLAND LAKE - SECTION I

DRAWING NUMBER: 5P-1

DRYWELL DATA	
Inv. in drywell	543.00
Inv. out septic tank	543.21
Inv. in septic tank	543.46
Inv. out of dwelling	543.63
Trench inlet	542.00
Basement elevation	544.75
First floor elevation	553.50
Well	560.00

Handwritten notes:
11/17/78 for
D.W. and [unclear]
[unclear]

AZ3987

24