

6/29/89 pm
6/30/89

TAX# 03312429

PERMIT

P 44231

SEWAGE DISPOSAL SYSTEM

A 42798

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 5/5/89

DATE SYSTEM APPROVED M. Griffin

INSPECTOR 6/30/89

Bob Johnson Plumbing & Heating IS PERMITTED TO INSTALL ALTER

ADDRESS 2691 Pfefferkorn Road, West Friendship, MD 21794 PHONE 442-5817

SUBDIVISION Meadowood ROAD 1230 Crystal Ridge Ct LOT 26

PROPERTY OWNER James P. Bannon

ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 160 feet down the right (605') lot line and 180 feet off that lot line. Run trenches on contour toward left lot line.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. ex/cw

PLANS APPROVED BY C. Williams DATE 12/28/88

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

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES)

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

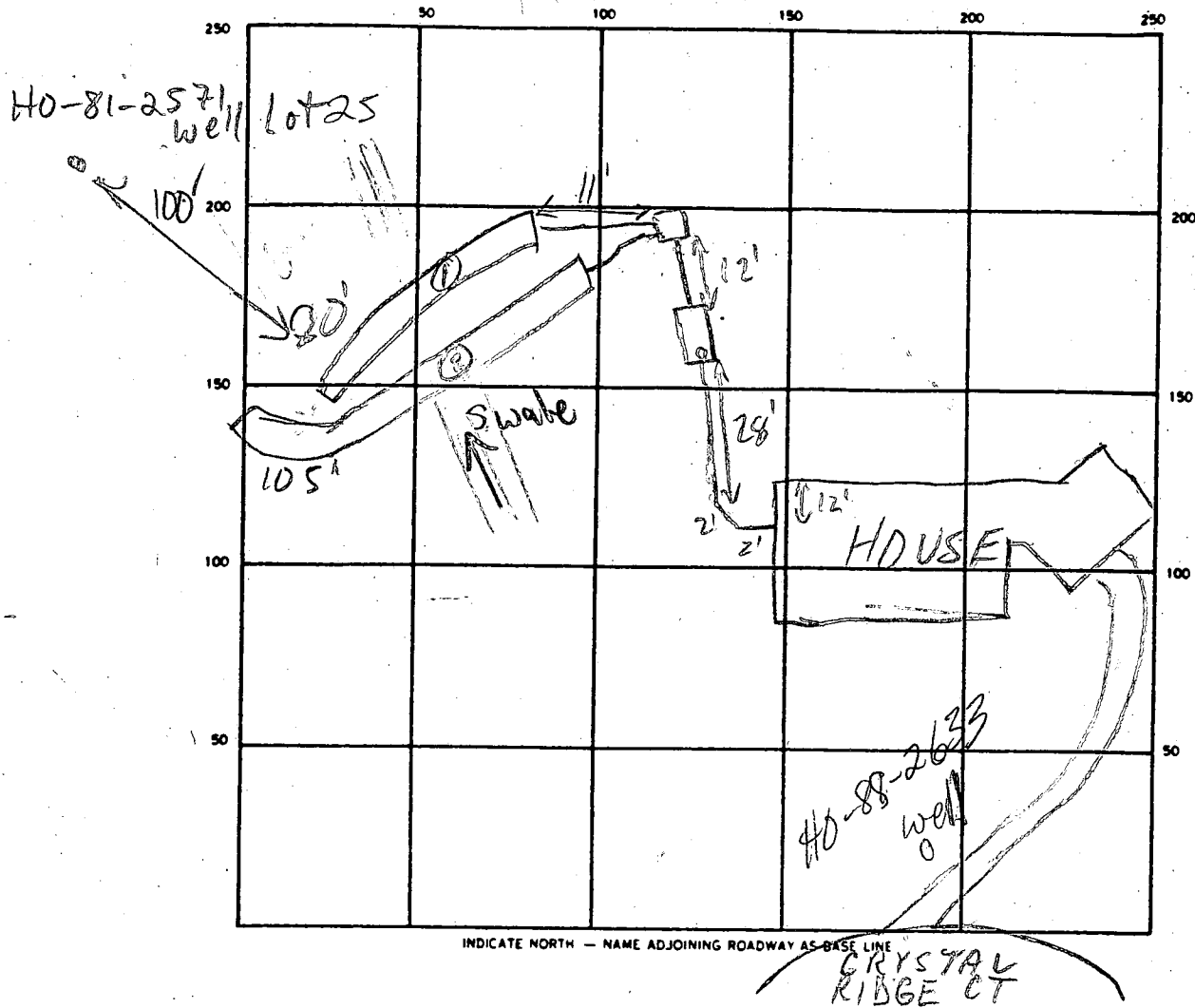
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BOG. PERMIT SIGNED
AND RETURNED 10/2/89
Serial # 50193-deck

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 42798



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

CRYSTAL RIDGE CT

SEPTIC TANK LEVEL 1500 GAL CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TILE FIELD DEPTH 6 1/2 - 7 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 - 4 FT.

EFFECTIVE GRAVEL DEPTH 3 - 4 FT. TOTAL LENGTH 105' + 185' = 290' FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 555 - 740 SQ. FT.

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS 6/29/89 FIRST TRENCH DUG & STONED ALREADY (FORCED CONTRACTOR TO DIG ALONGSIDE TRENCH TO VERIFY DEPTH); TRENCH 2 IN PROCESS, 61/78' DUG; WILL DIG TO 100' TOLD CONTRACTOR TRENCHES SHOULD FIT CONTOURS, HE CLAIMED DIFFICULTY W/ LAYOUT. OK TO CONTINUE MR.

6/30/89 ALL WORK COMPLETE OK TO COVER

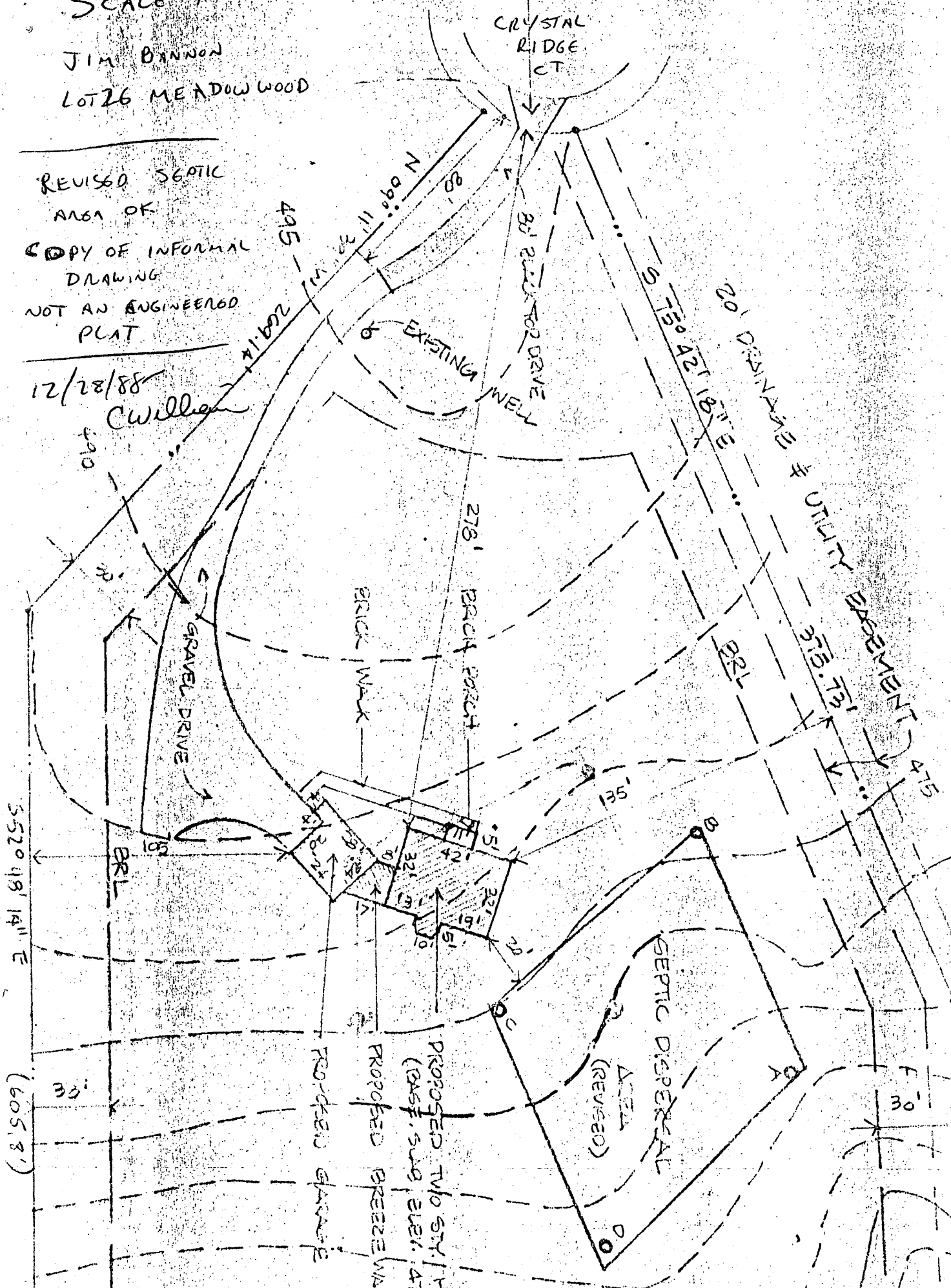
DATE SYSTEM APPROVED 6/30/89 INSPECTOR M. Rifkin

SCALE 1" = 50'

JIM BANNON
LOT 26 MEADOW WOOD

REVISED SEPTIC
AREA OF
COPY OF INFORMAL
DRAWING
NOT AN ENGINEERED
PLAT

12/28/88
C. Willig



APPLICATION

PERCOLATION TESTING

A 42798

P _____

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

DISTRICT 3rd

DATE 10/17

*Retest
11/3/88
1:30 PM*

ATTN: I WOULD LIKE TO MOVE PRESENT SEPTIC AREA BACK APPROXIMATELY 200 FT, OR WHATEVER IS FEASIBLE, FROM EXISTING HIGH HOLE. (SEE ATTACHED PLAT)

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 JAMES P. BANNON

ADDRESS 1501 IVANHOE AVE PHONE 799-7700 WORK
BALTO. MD 21228 744-4458 HOME

PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION MEADOWOOD LOT NO. # 26
ROAD AND DESCRIPTION # 1234 CRYSTAL RIDGE COURT

TAX MAP 10 PARCEL # 139
SIZE OF LOT 5.447 ACRES 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.

James P. Bannon
(SIGNATURE OF APPLICANT)

APPROVED BY CW... - PLAT OK FOR retest DATE 12/28/88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 11/3/88 Perc Satisfactory - New PLAT required. Results of retest on BACK OF ORIGINAL TEST SHEET; MAINTAIN ORIGINAL SPECS. S.M.A.

BOG. PERMIT SIGNED AND RETURNED 1-17-89
SAC - BP 23139

THIS IS NOT A PERMIT

HD-216

APPLICATION

PERCOLATION TESTING

A 38/57

P _____

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

*12/2/86
perc OK'd
pending plat*

DISTRICT _____

DATE 11/28/86

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 Springhill Associates - c/o D.S. Thaler & Associates, Inc.

ADDRESS 11 Warren Road, Baltimore, MD 21208 PHONE (301) 484-4100

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Meadowood LOT NO. 50 26

ROAD AND DESCRIPTION Henryton Road - approximately 4000' north of Tunnel Road
Howard County, Maryland

TAX MAP 10 PARCEL # 139

SIZE OF LOT 3+ Acres 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.

Nick Seiff
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

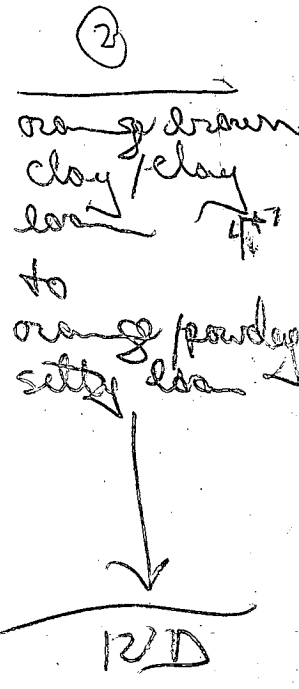
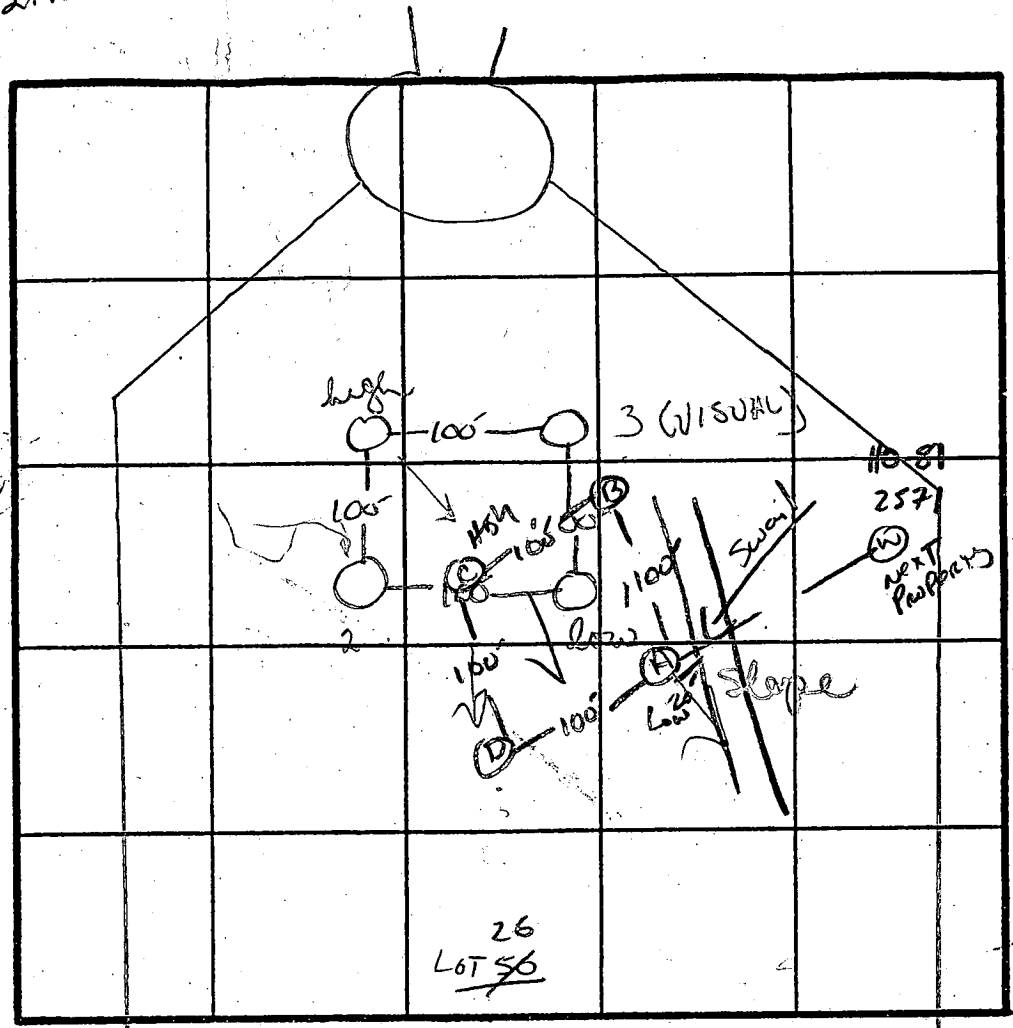
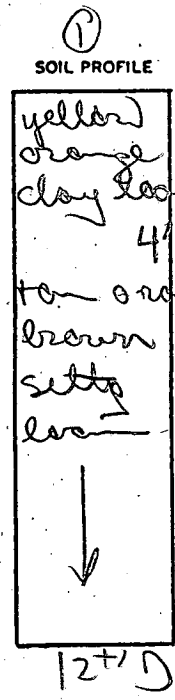
REASONS FOR REJECTION OR HOLDING for certified hole location + plat

THIS IS NOT A PERMIT

180 Ø / BORM 2 MIN

INLET 3'

MAX D. 7



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

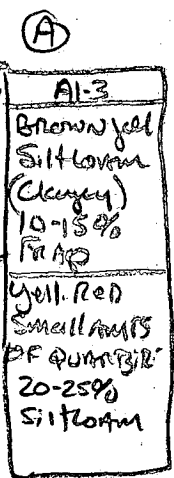
Henrietta Rd.

brown/yellow
silty loam
w/ small
sap frags
4'

layer of
hard red
rock frags
back to silty
loam

12'D

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/12	①	3'+S	1101	1103	1103	1105	2 MIN	
		12'D	bottom (see profile)					
	②	4'+S	1105	1107	1107	1109	2 MIN	
		12'D	bottom (see profile)					
	③	VISUAL ONLY						
		12'D	bottom (see profile)					
	④	3'+S	1102	1109	1109	1111	2 MIN	
		8' M	1108	1109	1109	N/A	1 MIN	
		12'D	bottom (see profile)					
11/3/84	A-D	12'D	EST. PERC TIMES SHOULD BE SIMILAR TO ORIGINAL TESTS CLAYEY TO 3' FRAGS 30-35% AT HOLD #D					



orange/yellow
silty powder
loam

EH-12-1079

uniform
to

12'D

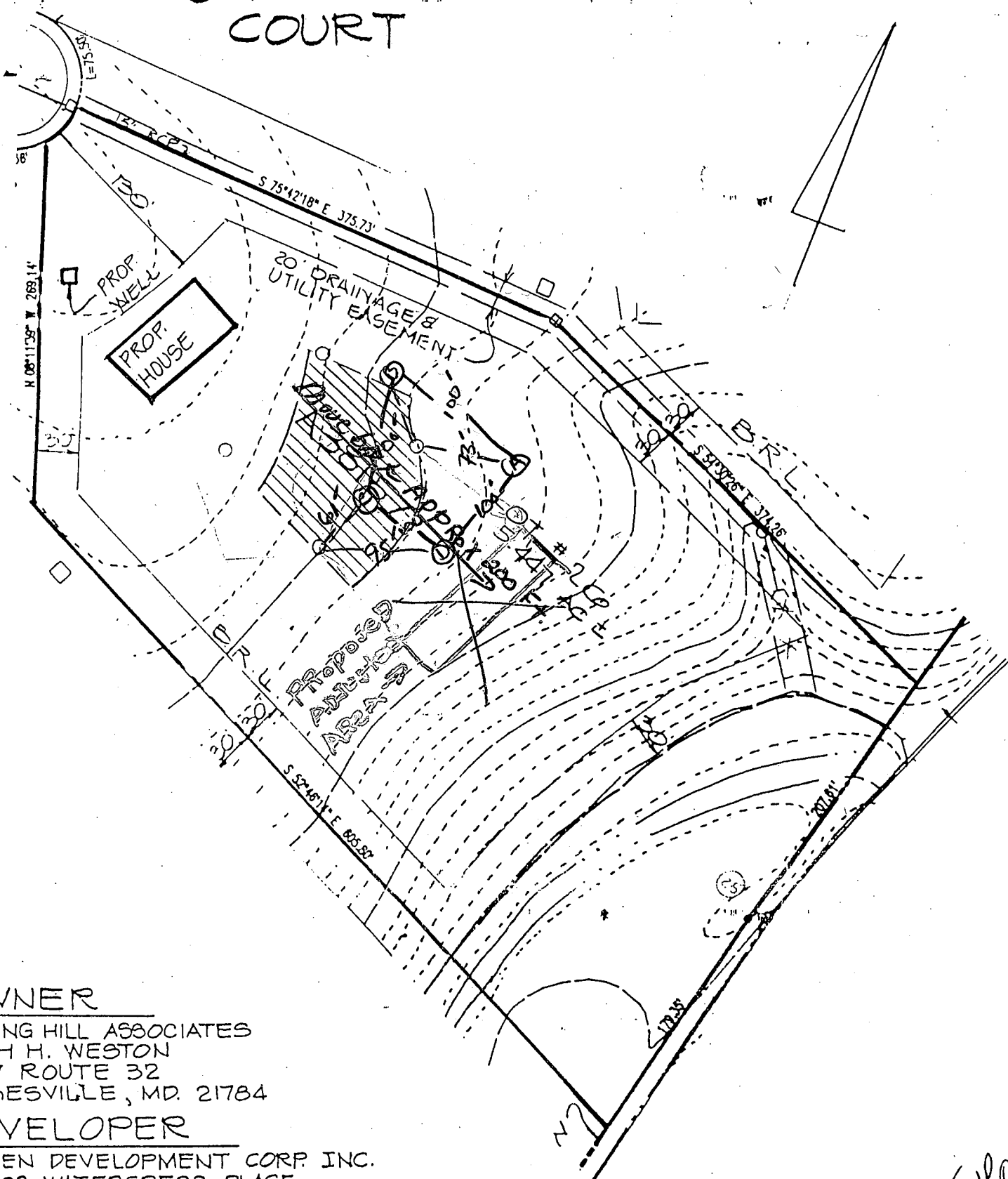
REMARKS: dug and tested as stated w/ boundaries of lot

TYPE OF SOIL: soils uniform, some w/ rock frags (#3)

TESTED BY: B. Wilson

ALSO PRESENT: Jack, Macky

CRYSTAL RIDGE COURT



OWNER

SPRING HILL ASSOCIATES
 RUTH H. WESTON
 1427 ROUTE 32
 SYKESVILLE, MD. 21784

DEVELOPER

KOREN DEVELOPMENT CORP. INC.
 5423 WATERCRESS PLACE
 COLUMBIA, MARYLAND 21045

This plot to be part of the contract *5/8/97*

P.S. Thaler & Assoc. Inc.
 CIVIL ENGINEERS • SURVEYORS
 LANDSCAPE ARCHITECTS
 11 WARREN ROAD
 BALTIMORE, MARYLAND 21208
 (301) 484-4100

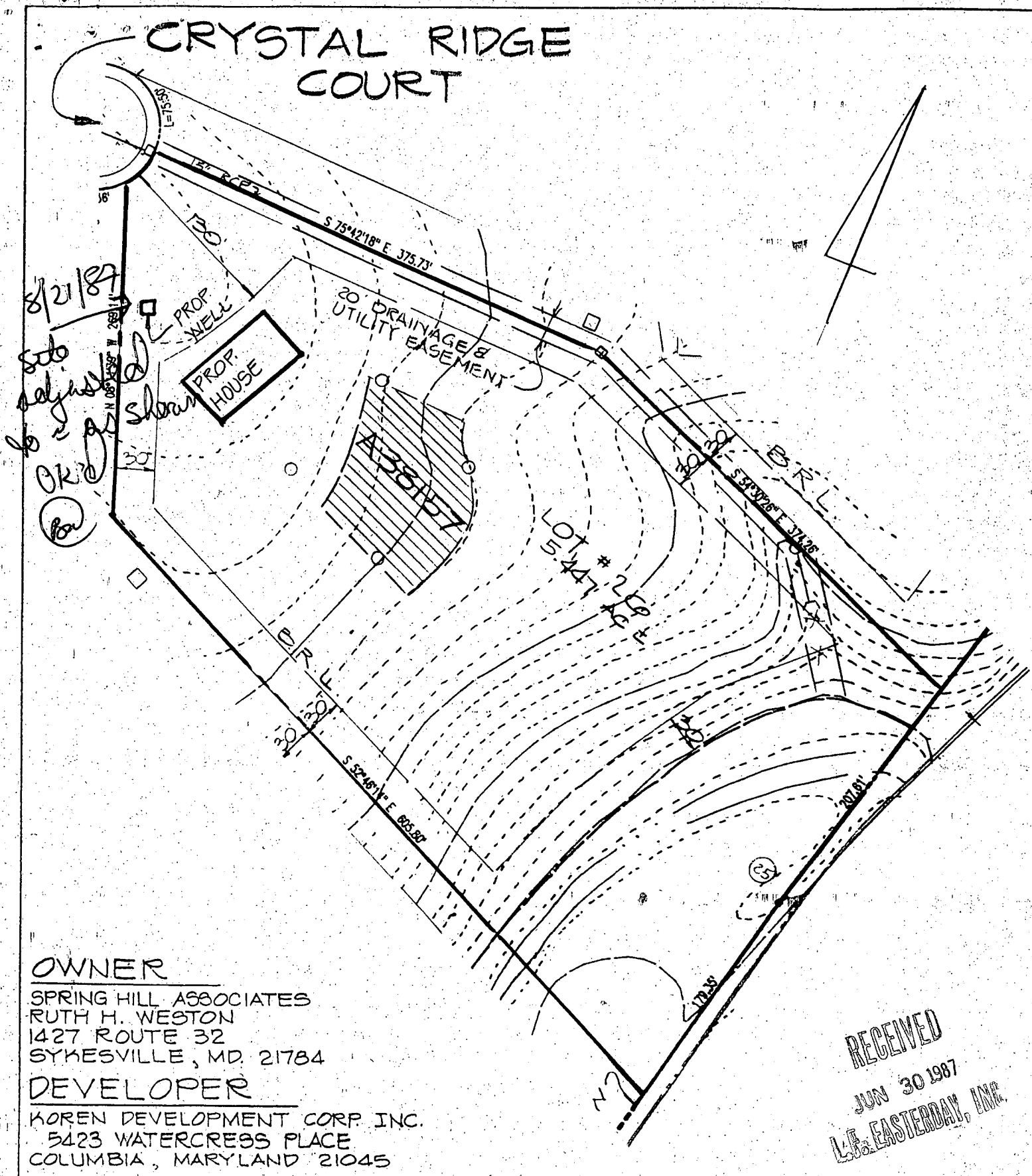
LOT # 26
MEADOWWOOD

SECTION ONE

TAP MAP 10
 3RD ELECTION DISTRICT
 SCALE: 1" = 100'

PARCEL 139
 HOWARD COUNTY, MARYLAND
 DATE: JUNE 25, 1997

CRYSTAL RIDGE COURT



OWNER

SPRING HILL ASSOCIATES
 RUTH H. WESTON
 1427 ROUTE 32
 SYKESVILLE, MD. 21784

DEVELOPER

KOREN DEVELOPMENT CORP. INC.
 5423 WATERCRESS PLACE
 COLUMBIA, MARYLAND 21045

RECEIVED
 JUN 30 1987
 L.F. EASTERDAY, INC.

P.S. Thaler & Assoc. Inc.
 CIVIL ENGINEERS • SURVEYORS
 LANDSCAPE ARCHITECTS
 11 WARREN ROAD
 BALTIMORE, MARYLAND 21208
 (301) 484-4100

LOT # 26 MEADOWWOOD

SECTION ONE

TAP MAP 10
 3RD ELECTION DISTRICT
 SCALE: 1" = 100'

PARCEL 139
 HOWARD COUNTY, MARYLAND
 DATE: JUNE 25, 1987

CRYSTAL RIDGE COURT

APPROX 150 FT TOTAL (12) BARRIERS

HOUSE
EXISTING
&
OCCUPIED
MR
10/12/89

HO-81-
2633

PROP
WELL

NO IMPACT
TO SEPTIC

20' DRAINAGE &
UTILITY EASEMENT

PROPOSED
HOUSE

MR
10/27/89

RECOMMEND

BRD APPROVAL

OWNER

SPRING HILL ASSOCIATES
RUTH H. WESTON
1427 ROUTE 32
SYKESVILLE, MD. 21784

DEVELOPER

KOREN DEVELOPMENT CORP INC.
5423 WATERCRESS PLACE
COLUMBIA, MARYLAND 21045

S. Thaler & Assoc. Inc.

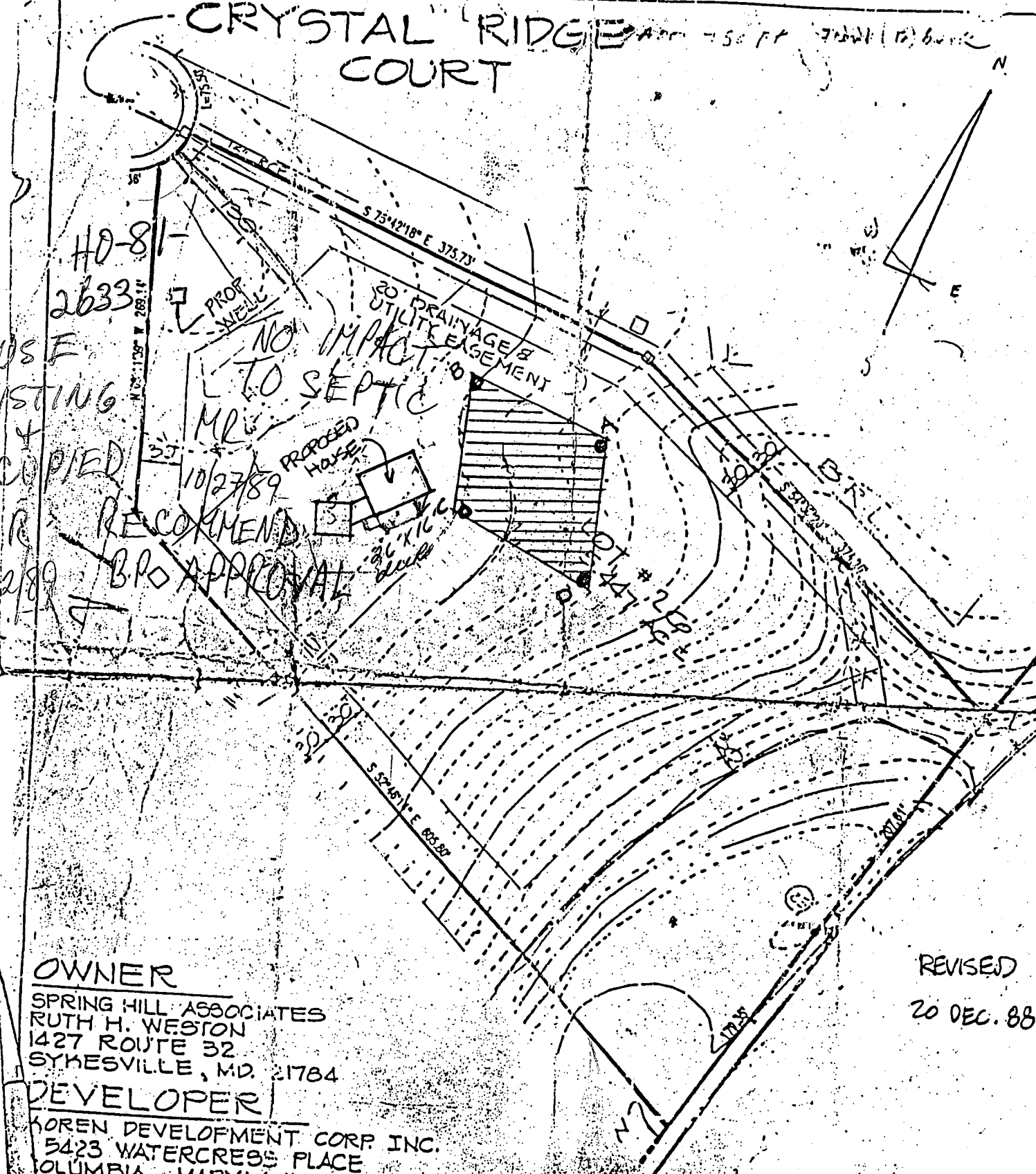
CIVIL ENGINEERS • SURVEYORS
LANDSCAPE ARCHITECTS
11 WARREN ROAD
TIMORE, MARYLAND 21208
(301) 434-4100

LOT # 26 MEADOWOOD

TAP MAP 10
3RD ELECTION DISTRICT
SCALE: 1" = 100'

SECTION ONE
PARCEL 133
HOWARD COUNTY, MD
DATE: JUNE 2

REVISED
20 DEC. 88



B 1 5206 SEQUENCE NO. (OEP 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

OEP PERMIT NUMBER AU-81-2633 fill in this form completely

OWNER INFORMATION Date Received 4/7/88 071487 SPAING HILL ASSOC 1432 RT 32 W FRIENDSHIP MD 21794

LOCATION OF WELL R-39654 HOWARD MEADOWOOD SYDNEY 1 26 4 MI

DRILLER INFORMATION George F. Easterday L. Franklin Easterday, Inc. 9265 Br. Ch. Rd., Mt. Airy, Md. 21781

DIRECTION OF WELL FROM TOWN (CIRCLE BOX) ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 87 FT

WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD A 38157 COUNTY NAME COUNTY NO. OEP SIGNATURE STATE HEALTH INSERT S DATE ISSUED 32988 CO SIGNATURE EXP. DATE NORTH GRID 547000 EAST GRID 0870000

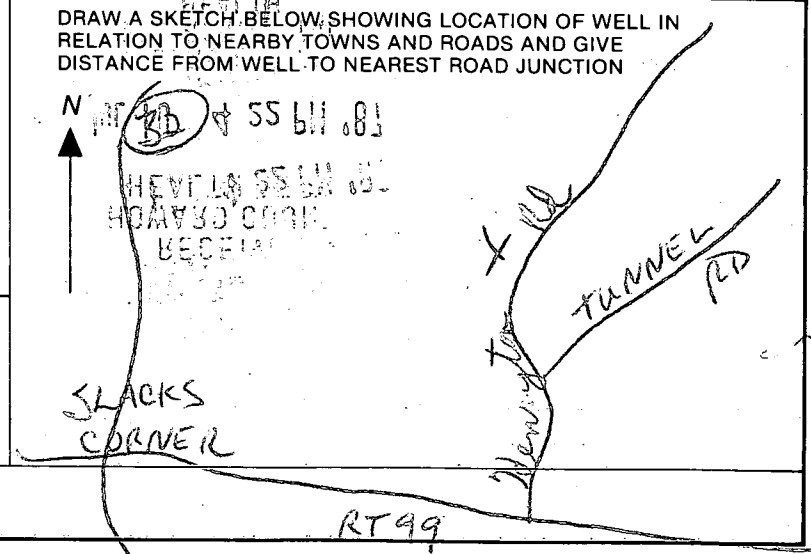
APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROtary AIR-PERcussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROtary DRive-POINT

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

REPLACEMENT OR DEEPEINED 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 THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP FORCE SA INITIALS IN BOX PERMIT No. AU-81-2633

SPECIAL CONDITIONS

C1 8533

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A-38157

DATE RECEIVED

DATE WELL COMPLETED 04/28/88

DEPTH OF WELL 420 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-81-2633

OWNER: Spring Hill Assoc. STREET OR RFD: CRISTAL RIDGE TOWN: SYKESVILLE SUBDIVISION: MEADOW SECTION: 1 LOT: 26

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, FEET TO, Check if water bearing. Rows include Topsoil, Br. mica, Tan mica, Lt Br. mica, Gray mica, and silt.

WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 40 NO. OF POUNDS 4000

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

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

SCREEN RECORD screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT)

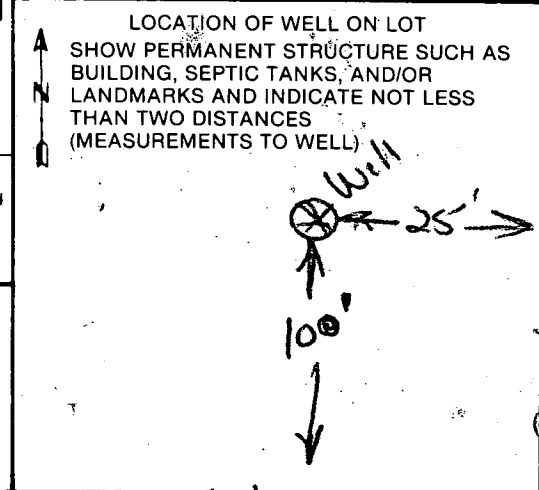
DEPTH (nearest ft.) 40, 58, 420. SLOT SIZE 1, 2, 3. DIAMETER OF SCREEN (NEAREST INCH)

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.) WQ 70, 72, 74, 75, 76. TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST C 3 HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 10 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 64 WHEN PUMPING 182 TYPE OF PUMP USED (for test) A air, P piston, T turbine, C centrifugal, R rotary, O other, J jet, S submersible

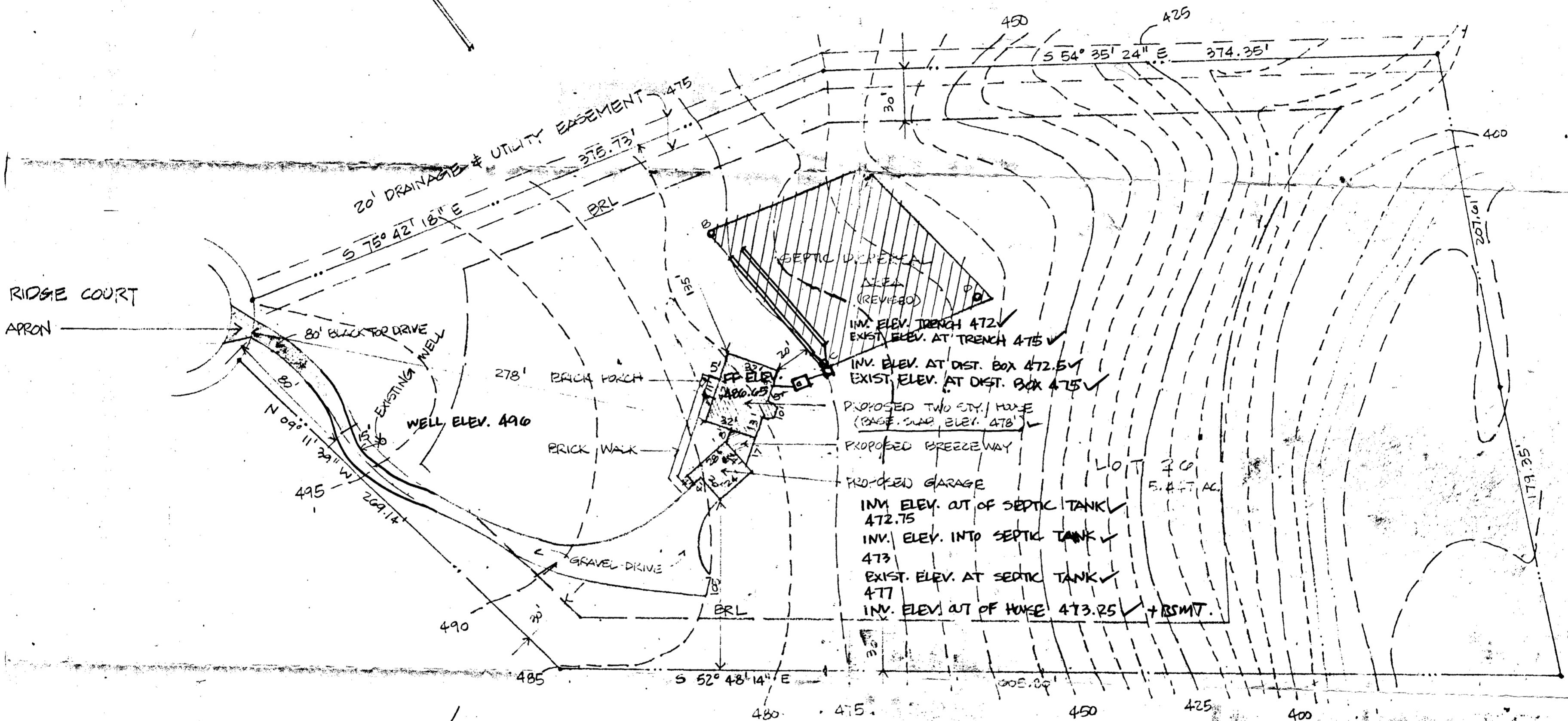
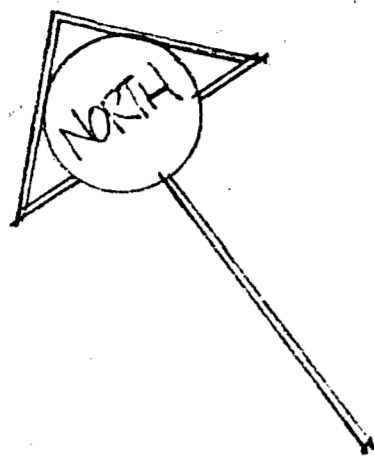
PUMP INSTALLED DRILLER WILL INSTALL PUMP YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)



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 10.17.13 "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. 40 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)



NOTE: I CERTIFY THAT THE ABOVE MEASUREMENTS ARE ACTUAL AND CORRECT FOR THIS PROPERTY *Jim Bannan*

* PERMIT # 23139

SITE PLAN 1" = 50'

BRANTLEY DESIGN/BUILD
8609 KRATZ LANE
BALTIMORE, MD 21207
521-5350

JIM & SANDY BANNON 1230 CRYSTAL RIDGE
LOT 26 MEADOWOOD SECTION 1
TAP MAP 10 PARCEL 139
3RD ELEC. DIST. HOWARD COUNTY, MD.

BUDG. PERMIT SIGNED
AND RETURNED 1-12-89

BP-23139
SK

REVISED 12 JAN. 89
REVISED 19 DEC. 88
3 OCT. 88

