

12-22-93
12:41pm
(12/23
NOON)

03-314456

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49759

A 39571

DISTRICT 3rd

DATE 11/23/93

DATE SYSTEM APPROVED 12/23/93

INSPECTOR ALM

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
313-2640

INDEXED

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Crystal Clear LOT 13 ROAD 13920 Kennard Street DRIVE

PROPERTY OWNER John & Nancy Kapp

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 144

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Start the first trench 200 feet down the right lot line and 160 feet off that lot line. Run trenches along contour toward rear 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 7/14/93 BH

PLANS APPROVED BY C. Williams DATE 07/07/89

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

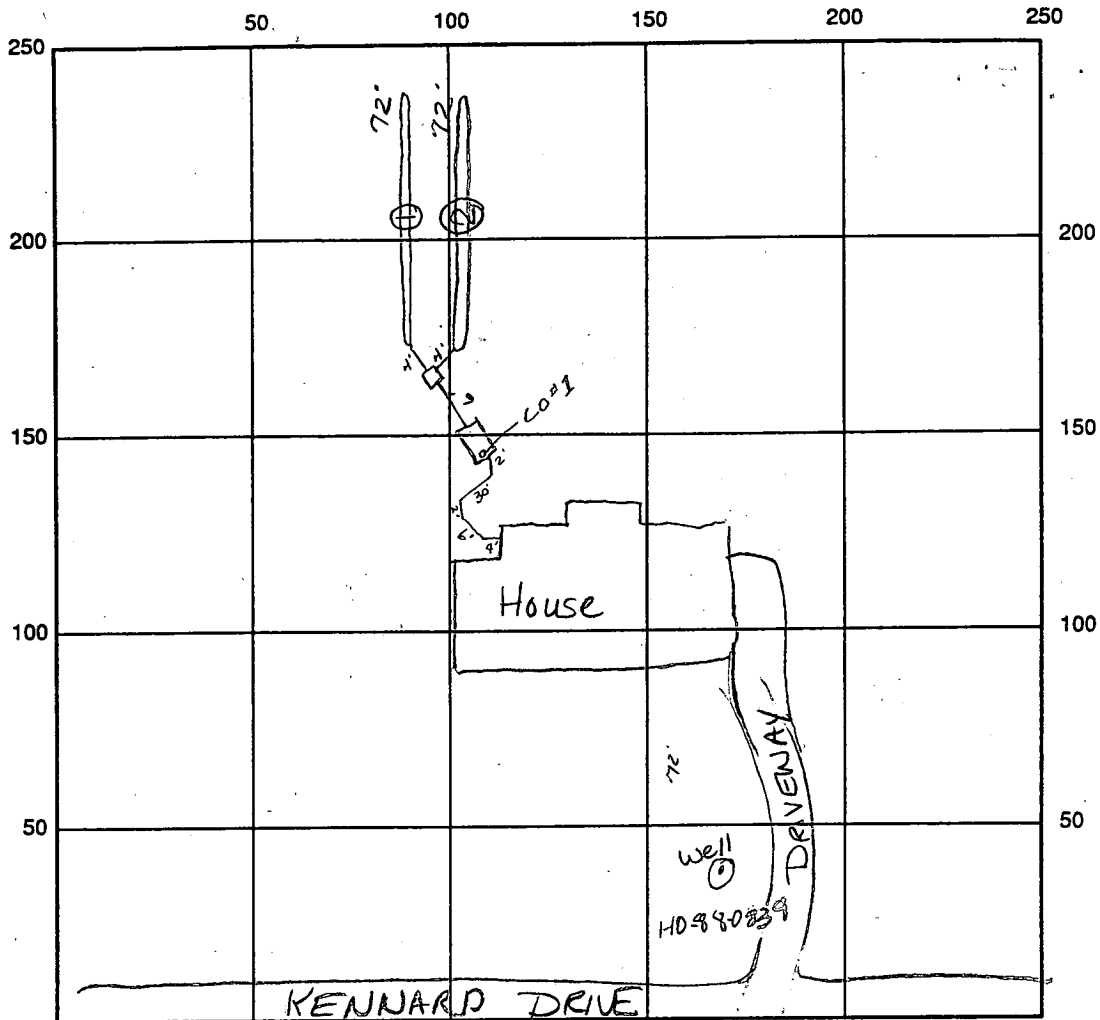
PERMIT VOID AFTER TWO YEARS

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**

A 39571



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 gal OK CLEANOUTS #2 OK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 8' FT. TRENCH WIDTH 2' FT. INLET DEPTH 3' FT.

EFFECTIVE GRAVEL DEPTH 5' FT. TOTAL LENGTH 2 \times 72' = 144' total

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 12/22/93 Trench #2 OK to cover - continue work ALM 12/22/93
Trench #2 OK, tank, DB etc OK to cover all work - Needs house
connection. ALM 12/23/93 House connection made OK to cover
final ALM

WAI 1/10/94 NO INSP - EASTBOUND

DATE SYSTEM APPROVED 12/23/93 INSPECTOR ALM

12 4' up from bottom

APPLICATION

PERCOLATION TESTING

A 39571

P _____

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

7-23-87
Percolation pending
plat approval JEN

DISTRICT 5TH

DATE 6-12-87

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. John + Nancy Kapp

PROPERTY OWNER Kenward Warfield Jr. Crystal Clear General Partnership

ADDRESS 14663 Tridelphia Rd Glenely 21737 PHONE 442-2337
670-9114

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Crystal Clear LOT NO. 18 LOT 13 Preliminary

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd
(13920 Kenward Drive)

TAX MAP 22 PARCEL # 533

SIZE OF LOT 3 1/2 acres TYPE BLDG. SFD
(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. Mal Reid
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7-23-87 for perc hole location and subdivision

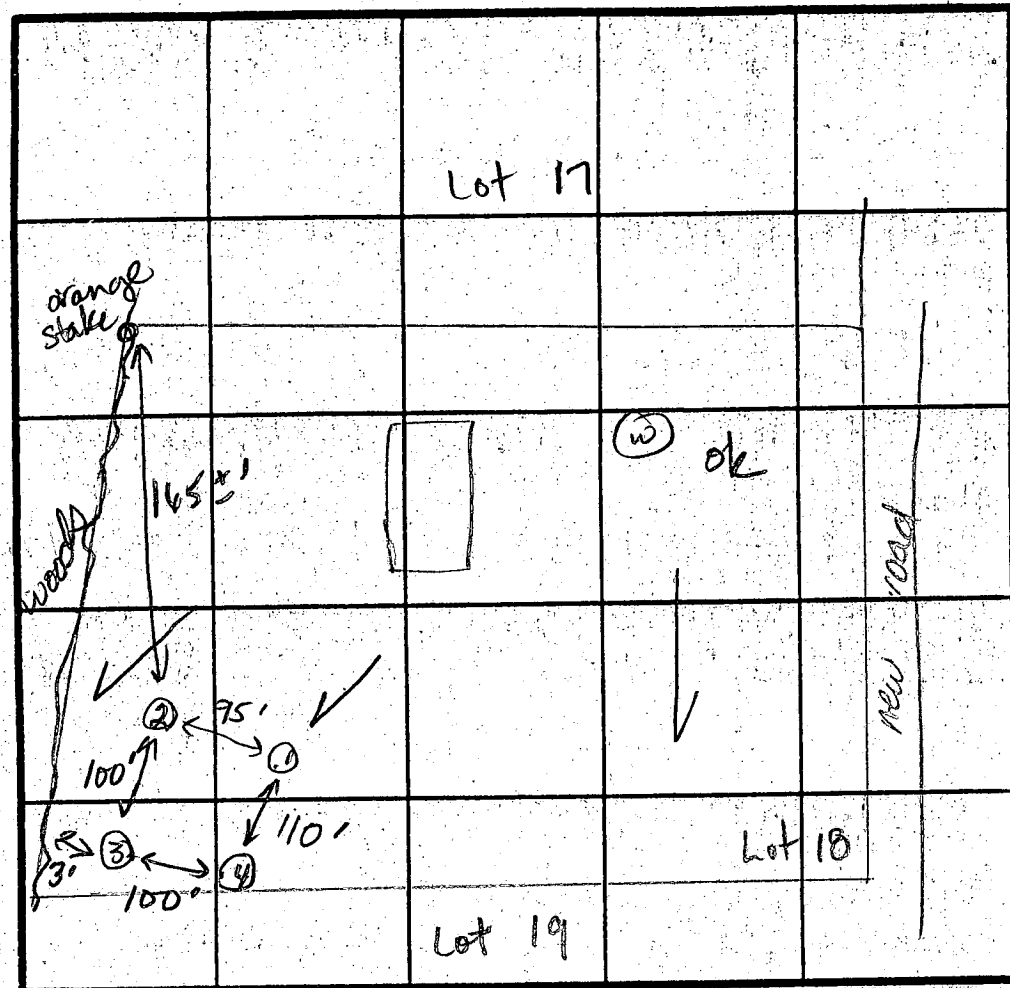
plat approval JEN
BLDG. PERMIT SIGNED AND RETURNED 6/10/87
Serial # 49053-SFD-4Bum
BLDG. PERMIT SIGNED AND RETURNED 9/11/89
Serial # 28931-SFD
5 Bedrooms with Garbage Disposal

THIS IS NOT A PERMIT

2 Highest
 1
 ↓
 4-3 Lowest
 ①

SOIL PROFILE

0-3 Br sil loam
 3-6.5 Br silty loam
 6.5-12.0 Br sil sandy loam, trace of broken rock frags < 10%
 12.0 Bottom



②
 0-2 Dk br sil cl lm, some gvl
 2'-6.5 Br sil lm, trc gvl
 6.5-12.5 Tan sa sil lm, trc lg qtz pieces < 10%
 12.5 Bottom

X Perc 7 min
 Specs
 Invert @ 4' x 1'
 3' x 1' stone
 8'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

IVORY ROAD

0-3.5 Br sil lm, trc gvl
 3.5-6.0 Br cl sa sil lm, trc decomposed suprolite
 6.0-12.0 Tan sandy silt
 12.0 Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-23-8	1	3.5 S	11:19	11:21	11:21	11:25	4
		7.5 M	11:18	11:20	11:20	11:23	3
		12.0 D	Bottom (see profile)				
	2	12.5 V	(see profile)				
	4	4.0 S	11:30	11:36	11:36	11:43	7
		12.0 D	Bottom (see profile)				
	3	3.5 S	11:28	11:35	11:35	11:47	12
		13.5 D	Bottom (see profile)				

③
 0-2.5 Dk br sil cl lm
 2.5-13.5 Br sa sil lm, trc decomposed rx frags < 5%
 13.5 Bottom

REMARKS: All holes located per plat.
 TYPE OF SOIL: 0-3' Dk br sil cl lm, 3'-6' Br cl sil lm, 6'-13' Br sa sil lm
 TESTED BY: JE Nadeau
 ALSO PRESENT: Mark Reich

EH-12-1079

C1 **9995** 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 **A 39 > 71**

ST/CO USE ONLY
 DATE Received [] [] [] [] [] []
 DATE WELL COMPLETED **09/1/89**

Depth of Well **300**
 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
HO-88-0535

OWNER **COMAR 1 AND CO**
 STREET OR RFD last name **EDWARD DR** first name **GREEN** TOWN **GREEN**
 SUBDIVISION **C102** SECTION **13** LOT **13**

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	
Topsoil	0	1	
Shaly	1	10	
Sandy clay	10	134	
Mica	134	300	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **30** NO. OF POUNDS **200**
 GALLONS OF WATER **150**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **134** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO**
 STEEL CONCRETE
PL **OT**
 PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **135**
 OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD
 screen type or open hole insert appropriate code below
ST **BR** **HO**
 STEEL BRASS OPEN HOLE
PL **OT**
 PLASTIC OTHER

C2
 DEPTH (nearest ft.)
 EACH SCREEN **HO** **133** **300**
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) from to

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **7**
 PUMPING RATE (gal. per min. to nearest gal.) **4**
 METHOD USED TO MEASURE PUMPING RATE **Direct**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **17** WHEN PUMPING **22**
 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: **29**
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) **31** **35**
 PUMP HORSE POWER **37** **41**
 PUMP COLUMN LENGTH (nearest ft.) **43** **47**
 CASING HEIGHT (circle appropriate box and enter casing height) **+** above **-** below LAND SURFACE (nearest foot) **50** **51**

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.

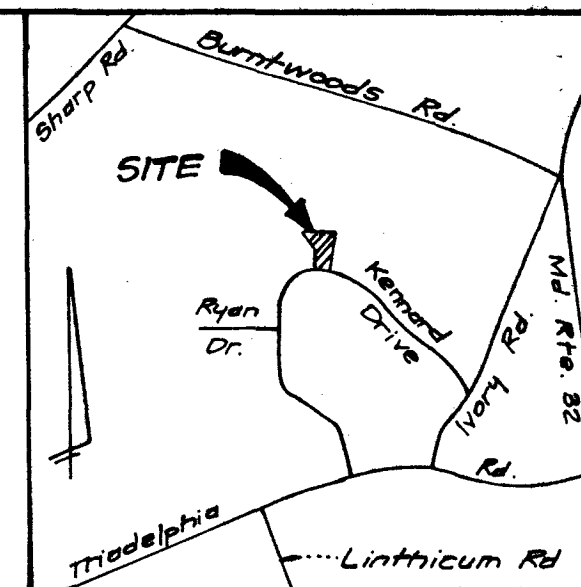
DRILLERS IDENT. NO. **41**
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 **68**
 OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 TELESCOPE CASING **70** **72** LOG INDICATOR **74** **75** **76** OTHER DATA

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)

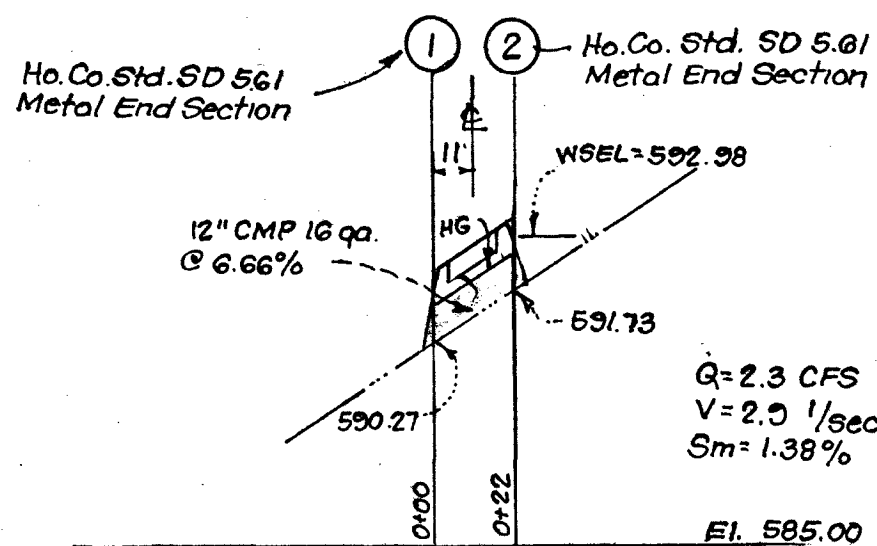
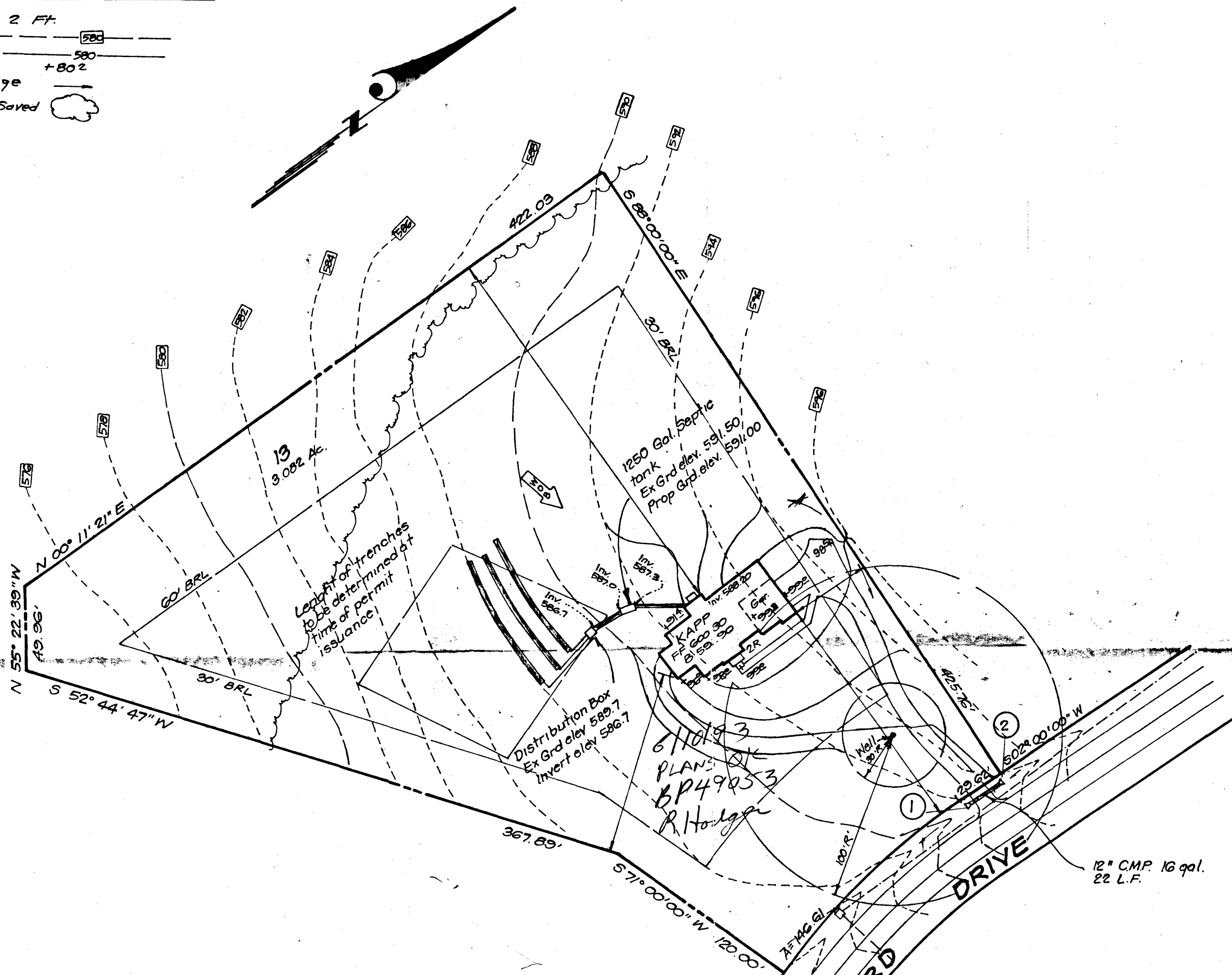
LEGEND

- Contour Interval, 2 Ft.
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Existing Trees to be Saved



VICINITY MAP

Scale: 1" = 2000'



PROFILE SCALE
 Horiz 1" = 50'
 Vert 1" = 5'
 Note: Ref. to Ho. Co. Std. No R-0.06 For Drwy Construction

NOTE: Topography was taken from Site Development Plan prepared by Macris, Hendricks and Whitmer P.A.

Plot Reference N^o 8445



CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED JME	SITE DEVELOPMENT PLAN LOT 13 CRYSTAL CLEAR 3RD ELECTION DISTRICT HOWARD COUNTY MARYLAND	SCALE 1" = 50'
DRAWN BAL		DRAWING 10F1
CHECKED JME		JOB NO. 92-062
DATE JUNE 1993		FOR: JOHN McDONOUGH BUILDERS, INC. 6310 Stevens Forest Road #104 Columbia, Md. 21046

