

8/24/98
2:30 C.O.

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-426014

P 59924

A 47689

DISTRICT 5th

DATE 4-7-98

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 8-25-98

INSPECTOR [Signature]

INDEXED

Jack Fyock Septic Services

IS PERMITTED TO INSTALL ALTER

ADDRESS P.O. Box 89, Glenelg, MD 21797

PHONE 410-988-9270

SUBDIVISION Hyde Property

LOT 14

ROAD 12281 Hydeaway Court

PROPERTY OWNER

Cornerstone Homes, Inc.

ADDRESS

BUILDING PERMIT SIGNED

AND RETURNED

SEPTIC TANK CAPACITY 1250 GALLONS

12-3-04 B00151428-Sub Room

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 5 1/2 feet below original grade. Bottom maximum depth 7 1/2 feet below original grade. Effective area begins at 5 1/2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting at the front right corner of the lot, go to a point 120 feet up the right (197.00'0 lot line and then 20 feet off that point for the distribution box placement. Run trenches on contour toward the left lot line as viewed from Hydeaway Court.

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

[Signature] 9/22/98

PLANS APPROVED BY Ronald J. Pinkley

DATE 7/10/98

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

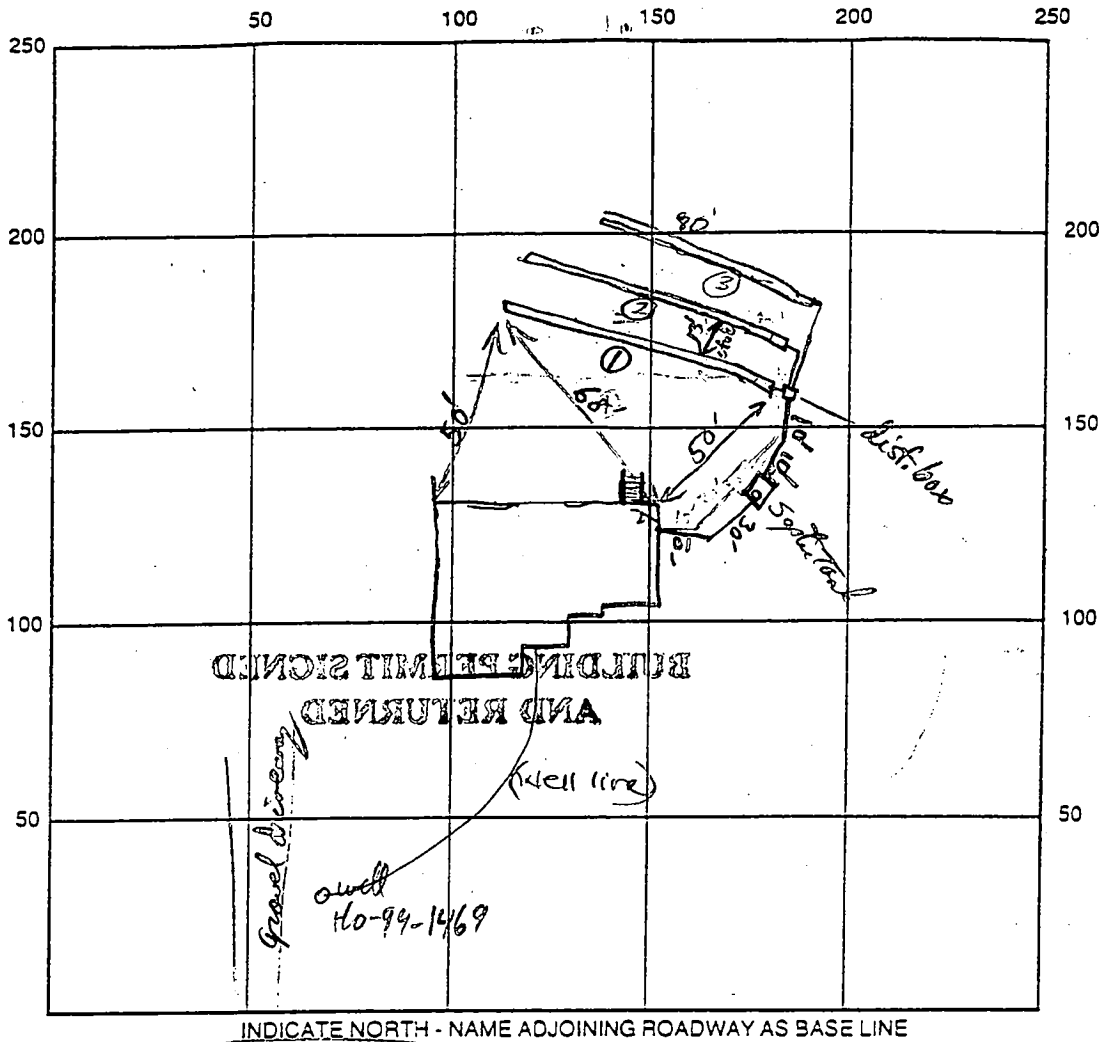
PERMIT VOID AFTER TWO YEARS

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**

59924
A111111



SEPTIC TANK LEVEL 1250 gal Mid Ocean CLEANOUTS (5)

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TITLE DEPTH 7½ FT. TRENCH WIDTH 3 FT. INLET DEPTH 5½ FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 100/100/80 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 840 SQ. FT. $\frac{290}{270}$

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 2.0 FT.

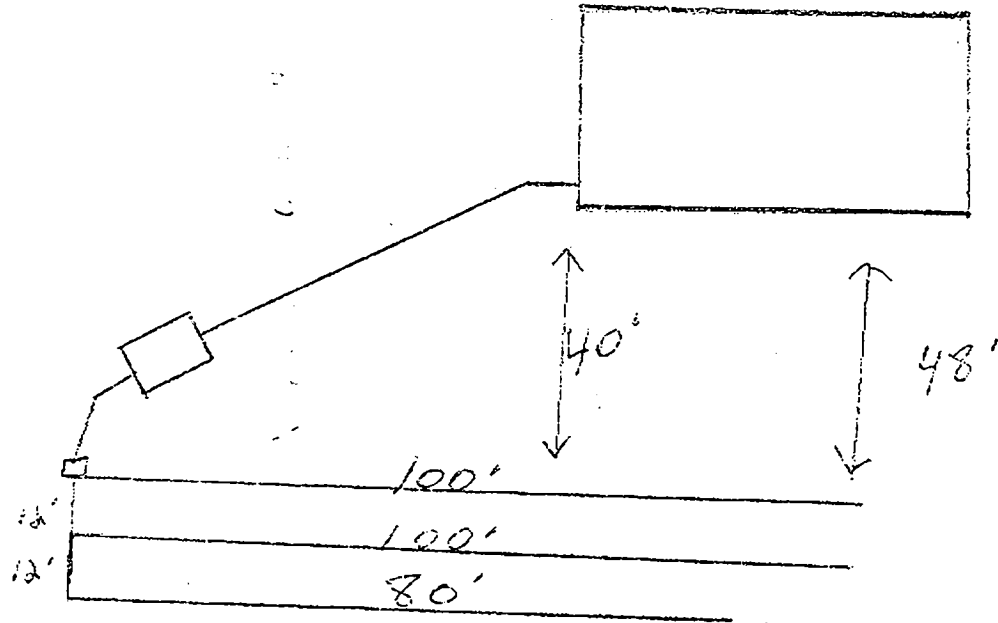
ABSORBENT AREA — SQ. FT.

REMARKS: Good Sanitary Soil Report 3 1/2 ft in Tr 1 + 2, House Connection OK, after cover supply line
Septic Tank & First Trench, OK to gravel fill second Trench when done 8/24/98
8/25/98 OK to cover all work final all

8/28/98 WPI - Well line, P.A. 48" below grade; well casing 16" above
grade; 2-piece cap installed; PVC conduit pipe OK; OK to cover. DS

DATE SYSTEM APPROVED 8/25/98 INSPECTOR Amy M. Melle

LOT 14



8/26/98
Contractors
Diagram of installed
septic system
AKM

APPLICATION

PERCOLATION TESTING

A 47689

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER H & A CONSTRUCTION INC ^{CORNERSTONE HOMES, INC} AL PROCOPIO

ADDRESS 1046 Annapolis Rd. Gambrills MD PHONE (301) 621-7888

AGENT OR PROSPECTIVE BUYER FISHER COLLINS & CARTER INC. ²¹⁰⁵⁴

ADDRESS 9171 Balto. Natl. pike ellcott city PHONE 461-2855
MD. 21042

PROPERTY LOCATION: HYDE PROP.

SUBDIVISION MD. RT 216 & PETRILLO DRIVE LOT NO. 14

ROAD AND DESCRIPTION (12281 Hydraway Court)

TAX MAP 40 PARCEL # 133

SIZE OF LOT 1 AC. TYPE BLDG. S.F.D. - 4 Bed
(SINGLE FAMILY DWELLING OR COMMERCIAL)

COUL PERMIT SIGNED
AND RETURNED 7-10-98
Serial # 20112157
S.F.D. - 4 Bed

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. Zacharia y. Fisch
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

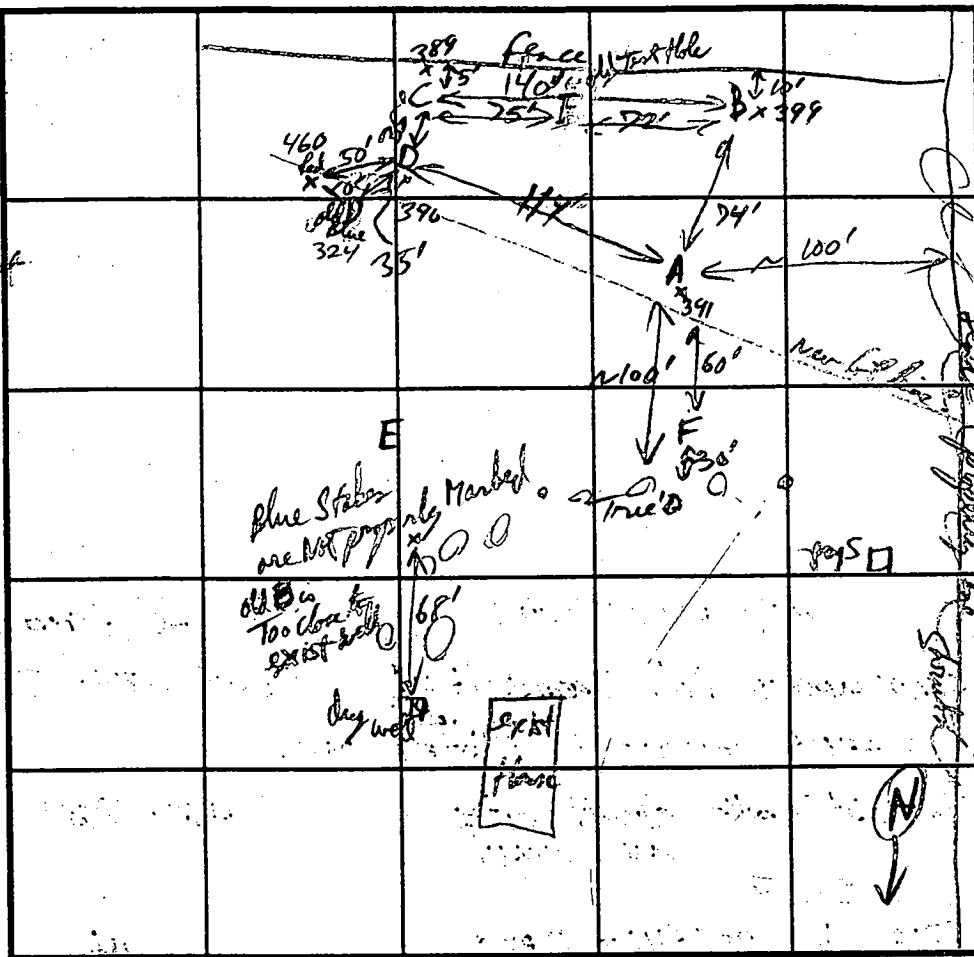
4/14

COUNTY #

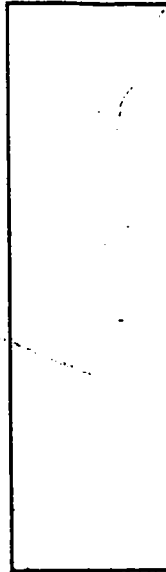
SOIL PROFILE

391 A

Red Brn SCL
4 1/2' 5' 6' var. light Brn SL



SOIL PROFILE



Test Hole D Same as C

Test Hole E Same as B

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-2-97	391 A	13' 4 1/2'	11:12:48	11:14:50	11:15:00	11:17:00	2 min
	392 B	13' 4 1/2'	11:14:18	11:17:00			too slow
	C	6'	11:10:00	11:16:00	11:16:00	1:06:00	10 min
	389 C	5'	11:26:29	11:35:00	11:35	11:44	9 min
		7'	11:26:30	11:30:00	11:30:00	11:34:00	4 min
	390 D	12' 4 1/2'	11:33:40	11:39:00	11:39:00	11:47:00	8 min
	14-E	12'	visual only	OK below 5 1/2'-6'			OK

REMARKS Note Test Holes C+D are on final lot 13 - use old fence line (still on site 3/1/98) as a marker for placing septic system - do this before Issuing Building Permit App.

TYPE OF SOIL Chert

TESTED BY RPP/indley ALSO PRESENT B. Katterson et al

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7 min TRENCH WIDTH 3

INLET DEPTH 6 MAXIMUM BOTTOM DEPTH 8 SQ. FT./BEDROOM 210

4 1/2' 5' 6' 13' 4 1/2' 13' 4 1/2' 5' 6' 12'

Red Brn SCL

var. light Brn SL

light Brn var. SL

light Brn var. SL

APPLICATION

PERCOLATION TESTING

A 47689

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2540

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER H & A CONSTRUCTION INC % AL PROCOPIO

ADDRESS 1046 Annapolis Rd. Gambrills MD PHONE (301) 621-7888

AGENT OR PROSPECTIVE BUYER FISHER COLLINS & CARTER INC. 21054

ADDRESS 9171 Balto. Natl. pike ellcott city MD. 21042 PHONE 461-2855

PROPERTY LOCATION: HYDE PROP.

SUBDIVISION MD. RT 216 & PETRILLO DRIVE LOT NO. 13

ROAD AND DESCRIPTION _____

TAX MAP 40 PARCEL # 133

SIZE OF LOT 1 AC. TYPE BLDG. S.F.D.
(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. Zacharia G. Fisch
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

APPLICATION

PERCOLATION TESTING

A 47689
P _____

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

DISTRICT _____

DATE 10/11/91 12/1/91

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 Margaret A. Hyde c/o Mr. Dick Talkin

ADDRESS 9175 Guilford Road, Suite 301 Columbia, MD 21046 PHONE 730-7733

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Hyde Property LOT NO. 3 (existing perc)

*Test Holes Found on Final lot 13
and preservation Parcel A
New lot 2 F-96-145*

ROAD AND DESCRIPTION 12300 block of Scaggsville Road

Fulton, Maryland

TAX MAP 40 PARCEL # 133

SIZE OF LOT ± 10.6 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. *Rosanna Eichelberger (signed)*
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING: *Reconfigure Sewage Disposal Area to Maintain 100' well to sewage Area Separation*

Stake P only 80' from existing dug well; changed location, now @ 105' well

distance for 3B' - effective soil depth begins 4' for Hole D, 6' for other 3 holes

Hole D is more toward crest of hill ~ 1/2' higher elevation than others RPP 1/9/92

THIS IS NOT A PERMIT

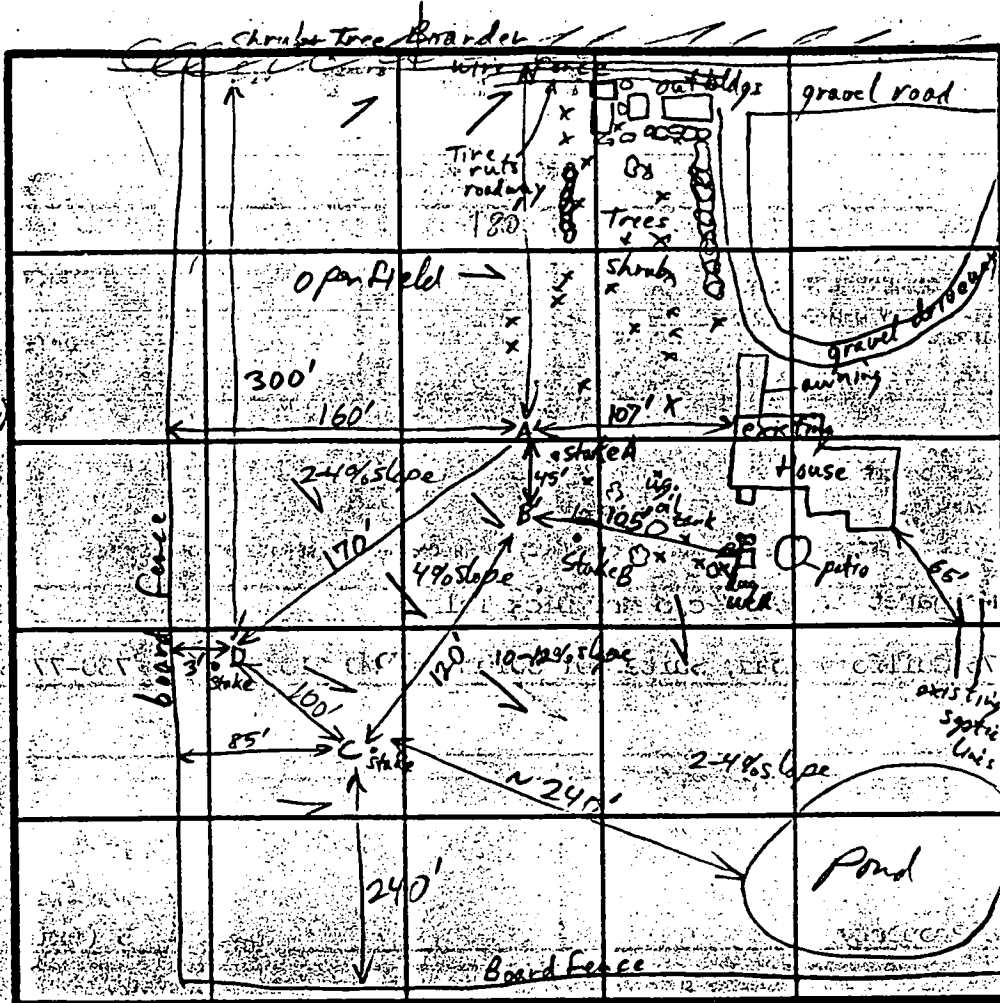
HD-216

Lot 3

Hole 3B

SOIL PROFILE

10' Topsoil
 reddish
 yellow brown
 (10YR 5/3) Loo
 SL-SCL
 10-15% clay
 5 1/2 in. micaceous
 Tan-Grey
 10YR 7/3
 Sand-LS
 single St.
 LC consistence
 Near bottom
 6-12" CO.S (mfr)
 Mottled orange stain
 Str. Spherulic
 13 1/2 Moist soil
 but not wet



Hole 3D

10' Topsoil
 (10YR 5/3) Loo
 Red-CL-L
 somewhat micaceous
 SL-SCL
 2-3% clay
 Red-Red Br
 HL-CL
 ch. cobbles
 Red-CL
 HSL
 Massive-S
 Micaceous
 5 1/2 Lt grey + wh
 Mix of yellow
 Tan LS
 Massive Sph
 coarse-med
 + V-E. mic
 getting tile
 Olive Tan at

Hole 3A
 (same as 3B)

Hole 3C

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

10' Topsoil
 Red
 HCL (35%)
 3 1/2 Red Br 10YR 5/3
 SL (23%)
 4 1/2 Red HCL
 5 1/2 Yellow Br SL
 6 1/2 Red HCL
 6 1/2 Red HCL
 6 1/2 Olive-Tan
 V. micaceous
 Lt. SL (23%)
 Moist
 13

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/27/91	3B'	@ 4' S @ 8' m	11:41:30 11:33:00	12:11:30 11:37:15	still on top Nail	11:37:15 11:42:00	NH 5 min
	3B'	13 1/2 V					
	3A'	@ 4' S	12:16:	12:41:00	12:41:00	1:21:00	1 1/2 in 40 min
	3A'	@ 8' m	12:11:30	12:15:00	12:15:00	12:22:00	7 min
	3A'	12 1/2 V					
	3D	@ 8' m	1:45:00	1:50:00	1:50:00	1:59:00	9 min
	3D	@ 4' S	1:48:00	1:51:00	1:51:00	1:57:30	6 1/2 min
	3D	11 1/2 V					
	3C	@ 4' S	No Movement				
	3C	@ 7 1/2' m	2:24	2:32	2:32	2:54	22 min
	3C	@ 13V					

REMARKS Reserve Area is suitable for deep Trenches only (except near Hole 3D)
 Existing home has had recent failure of drain field lines to the surface

TYPE OF SOIL ChB2 Chester Silt loam
 TESTED BY R.P. Pinkley
 ALSO PRESENT P.W. Miller - g.p.w. Miller
 Road, Austin

APPLICATION

PERCOLATION TESTING

A 47689
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT _____

DATE 12/20/91

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER H & A CONSTRUCTION INC % AL PROCOPIO

ADDRESS 1046 Annapolis Rd. Gambrills MD PHONE (301) 621-7888

AGENT OR PROSPECTIVE BUYER FISHER COLLINS & CARTER INC. 21054

ADDRESS 9171 Balto. Natl. pike ellcott city MD. 21042 PHONE 461-7855

PROPERTY LOCATION: HYDE PROP.

SUBDIVISION MD. RT 216 & PETRILLO DRIVE LOT NO. EXISTING HOUSE (F-96-145)

ROAD AND DESCRIPTION _____

TAX MAP 40 PARCEL # 133

SIZE OF LOT 1 AC. TYPE BLDG. S.F.D.
(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.

Zacharia G. Fisch
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

EXIST FENCE

COUNTY #

SOIL PROFILE

Station E

SOIL PROFILE

0'
 Red Brn
 SCL

6'
 well red
 SL
 1/2 with
 obsid

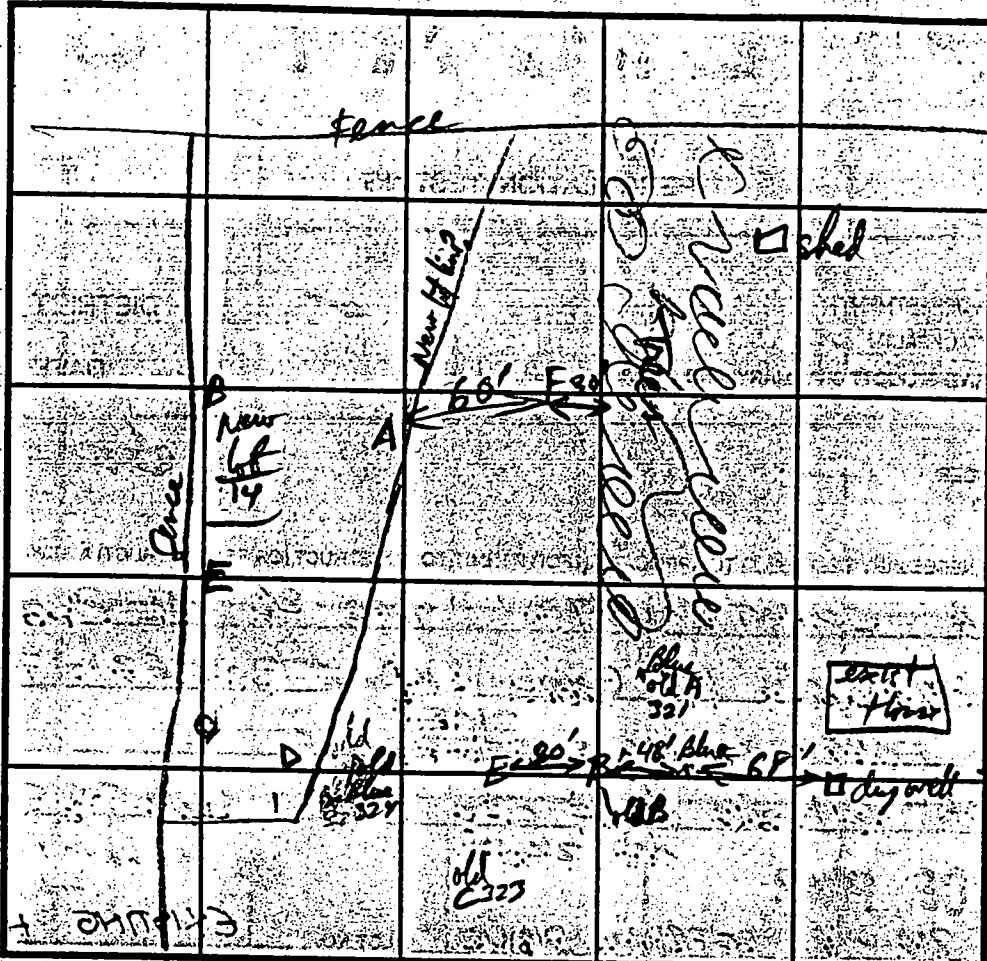
12'

west Post
 Red SCL

3'
 heavy &
 yellow
 yellow

6'
 very
 white
 yellow
 yellow
 SL

12'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-2-94	V12 E	V12	visual only	OK	blank		OK
	V12 1/2 F	V	1:08:50	1:13:00	1:13:00	1:24:00	9 min

REMARKS _____

TYPE OF SOIL clay

TESTED BY R. P. [unclear]

ALSO PRESENT Don Keithman et al

TRENCH DESIGN DATA AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

F 95-18

LOT 8

(264)

(108)

EXISTING SHEDS TO BE REMOVED

N 52°30'54" E 420.81'

X-SEC 21
ELEV. 430'

(14)
43,100
54,714

HYDEWAY

EXISTING WELL

EXISTING DWELLING
TO REMAIN

EXISTING PRIVATE FARM
POND TO BE REMOVED

25' WETLAND
Buffer

(13)
60,000
54,714

(1-5)

(1-4)

(1-1)

COURT

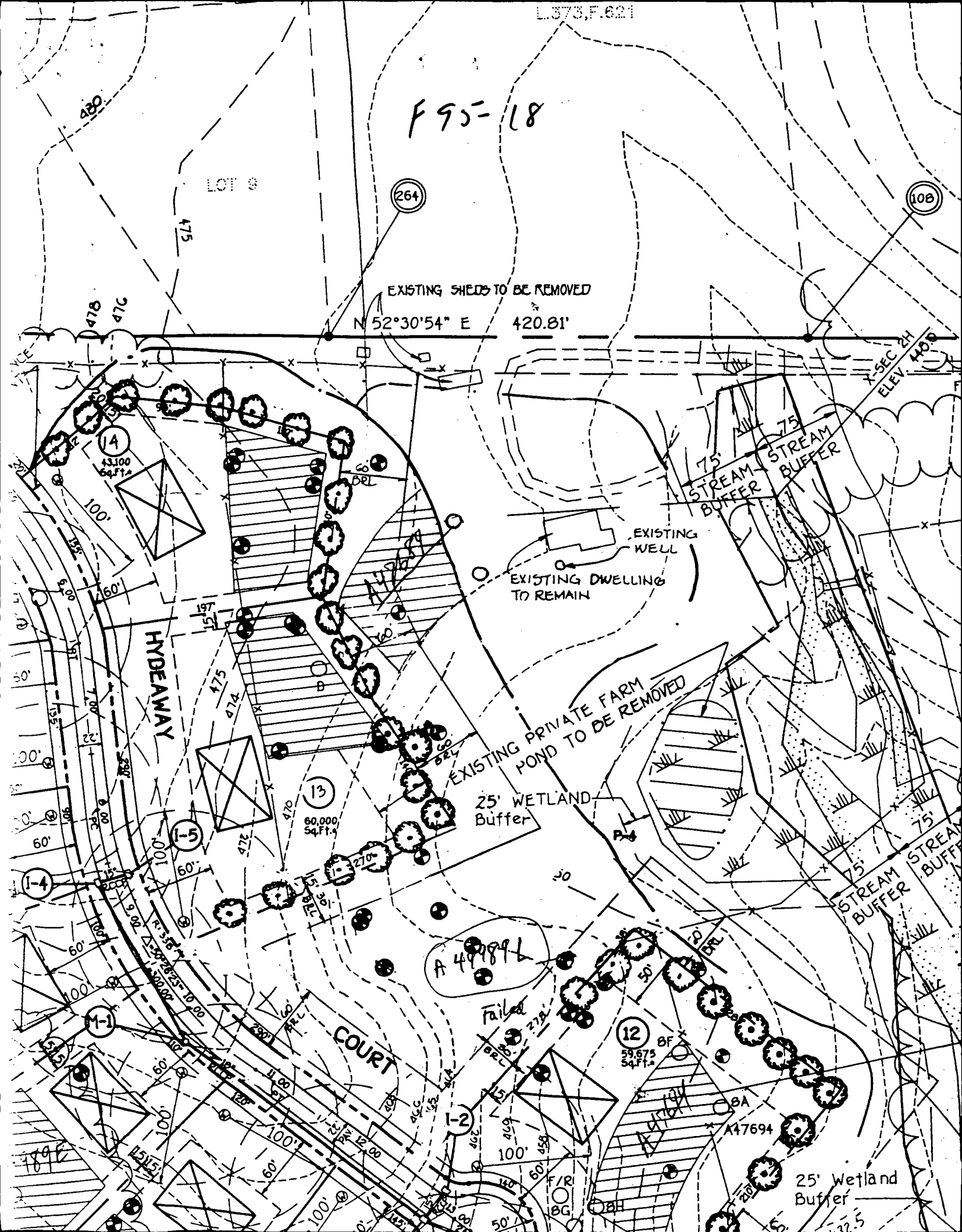
A 49789 L

Failed

(12)
59,575
54,714

(1-2)

25' Wetland
Buffer



C1 05190

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER 13-A 47689

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

ST/CO USE ONLY DATE RECEIVED 7-29-98

DATE WELL COMPLETED 04 01 98

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" No 94-1469

OWNER Cornersone Homes STREET OR RFD 12281 Hydeaway Ct TOWN Fulton SUBDIVISION Hyde Property SECTION LOT 19

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for TOP SOIL, BROWN MICA, SAND STONE, GRAY MICA, SAND STONE, GRAY MICA, SAND STONE, GRAY MICA, SAND STONE, GRAY MICA, SAND STONE, GRAY MICA, SAND STONE, GRAY MICA, SAND STONE, GRAY MICA.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), NO. OF BAGS 17, NO. OF POUNDS 1200, GALLONS OF WATER 85, DEPTH OF GROUT SEAL 0 to 36 ft.

CASING RECORD: MAIN CASING TYPE ST, Nominal diameter 6, Total depth 72.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

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

DEPTH (nearest ft.) table with columns: 1-11, 15-17, 21-23, 26-30, 32-36, 38-41, 45-47, 51-56, 60-68.

NUMBER OF UNSUCCESSFUL WELLS: 110

WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P).

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...

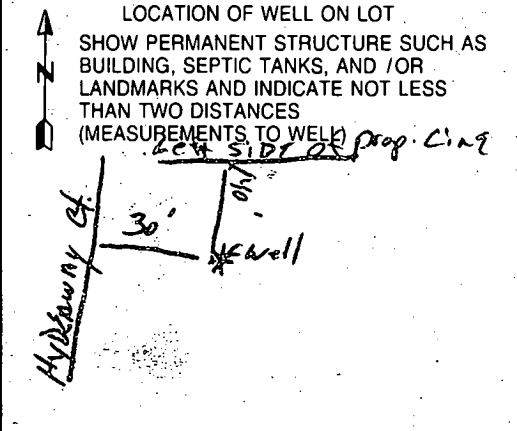
DRILLERS LIC. NO. MWD 040, DRILLERS SIGNATURE Gene F. Eberling, LIC. NO. MWD 585, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee).

MDE 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 6, PUMPING RATE 3.0, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 20 ft before, 136 ft when pumping.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP (NO), TYPE OF PUMP INSTALLED S (submersible), CAPACITY: GALLONS PER MINUTE 31-35, PUMP HORSE POWER 37-41, PUMP COLUMN LENGTH 43-47, CASING HEIGHT 46 above, 2 below.



4-1-98

8:30

Review OK KM 4-20-98

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1469
 Location of property (road) 12787 Hydeaway Ct
 Subdivision Hyde Property Lot 14 Block _____ Plat _____ Sec. _____
 Well Driller G. Easterday Owner Cornerstone Homes
 Depth of well 400 1 1/2 pm
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 20'

I. High rate pumping -- reservoir drawdown.

Time pump started 8:40 Pumping rate 15 G.P.M
 Total time 20 min to reach pumping water level 135 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

Pump 38

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill @ 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:00	135'	20 sec		3 G.P.M
9:15	135'	20 sec		3 G.P.M
9:30	135'	20 sec		3 G.P.M
9:45	135'	20 sec		3 G.P.M
10:00	135'	20 sec		3 G.P.M
10:15	135'	20 sec		3 G.P.M
10:30	135'	20 sec		3 G.P.M
10:45	135'	20 sec		3 G.P.M
11:00	135'	20 sec		3 G.P.M
11:15	135'	20 sec		3 G.P.M
11:30	135'	20 sec		3 G.P.M
11:45	135'	20 sec		3 G.P.M
12:00	135'	20 sec		3 G.P.M
12:15	135'	20 sec		3 G.P.M
12:30	135'	20 sec		3 G.P.M
12:45	135'	20 sec		3 G.P.M
1:00	135'	20 sec		3 G.P.M
1:15	136'	20 sec		3 G.P.M
1:30	136'	20 sec		3 G.P.M
1:45	136'	20 sec		3 G.P.M
2:00	136'	20 sec		3 G.P.M
2:15	136'	20 sec		3 G.P.M
2:30	136'	20 sec		3 G.P.M
2:45	136'	20 sec		3 G.P.M
3:00	136'	20 sec		3 G.P.M

B 1 2446 SEQUENCE NO. (MDE USE ONLY)
 1 2 3 4 5 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-94-1469
 70 79
 fill in this form completely

Date Received (APA) 2/11/98
 8 MM DD YY 13
 OWNER INFORMATION **RN 7374**
Cornerstone Homes
 15 Last Name Owner First Name 34
3691 Norfolk Ave
 36 Street or RFD 55
Laurel, Md. 20723
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard CC#
 8 COUNTY 21
Hydeway Manor Hyde Property
 23 SUBDIVISION 42
 SECTION: 44 46 LOT 14
Fulton
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) 1 M I
 73 76 77 78

DRILLER INFORMATION
George F. Easterday M WD 040
 Driller's Name 76 License No. 81
E. Franklin Easterday, Inc.
 Firm Name
9265 Brown Church Rd., MT. Airy, Md. 21771
 Address
George F. Easterday 2/14/98
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 11 NEAR WHAT ROAD Hydeway Ct (12281) 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 34 50 37
 DISTANCE FROM ROAD ENTER FT OR MI 38 39
 TAX MAP: 40 BLK: 12 PARCEL 133

B 2 WELL INFORMATION
 1 2 APPROX. PUMPING RATE 5
 (GAL. PER MIN) 8 12
 AVERAGE DAILY QUANTITY NEEDED 500
 (GAL. PER DAY) 14 20

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 APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

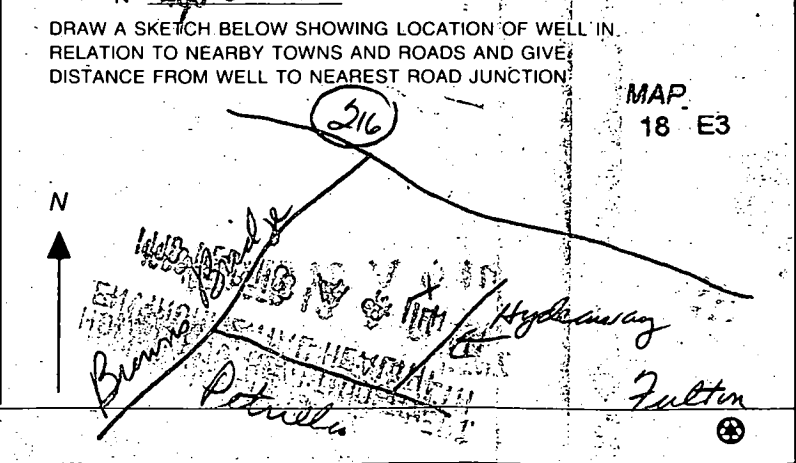
NOT TO BE FILLED IN BY DRILLER, HEALTH DEPARTMENT APPROVAL
Howard 13-A 47689
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE
 DATE ISSUED 03/11/98 INSERT S → 41
 43 MM DD YY 48 CO SIGNATURE Frank Patis EXP. DATE 3/11/99
 NORTH GRID 482 0 0 0 EAST GRID 0815 0 0 0
 50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
 24 28
 APPROXIMATE DIAMETER OF WELL 8 INCH
 NEAREST

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
3/27/98
11500 g groud
 SOURCES OF DRILLING WATER
 1. wells
 2. 17 BAGS GROUT PER DRILLER
 3. LOCATION OK
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E 8105
 N 4802
 000
 000

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTary DRIVE-POINT
 other _____

REPLACEMENT OR DEEPEMED 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEAN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52



Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER HO 96 GAP 013 54 63
 FORCE RP WRITE INITIALS IN BOX PERMIT No. HO 94-1469
 57 68 70 71 72 73 74 75 76 77 78 79
 SPECIAL CONDITIONS
 NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

SEND REPORT TO:

DEPARTMENT OF HEALTH AND MENTAL HYGIENE
 Laboratories Administration
 201 W. Preston St.
 P.O. Box 2355, Baltimore, Maryland 21203
 J. Mehsen Joseph, Ph.D., Director

Lab No. _____ Date Received _____

WATER ANALYSIS

Do not write above this line.

S Bottle Number HO-2833 Name Cornerstone Homes County Howard County Code 13

A Source Hydeaway Court Data Category Code 4/F

M Collected: Date 4/1/98 Time 12:15 Collector & Phone R.J. Palkley 410-313-2640 Submitter Code

P CHECK (one per box)

L Drinking Water Landfill Stream Other Community Non-community Private Other Source (raw water) Distribution (treated) MCL Emergency Routine Recheck Special Federal Project S

E

I

D

F Plant No. Sampling Station Preservation: Iced Acid Type of Acid H₂SO₄

I pH Chlorine: Free Total Specific Conductance

E Notes to Lab/Remarks: HO-94-1469 Hyde Property Lot 14 J.L.A.

L

D

CHECK TESTS	TESTS	CODES	ERROR CODE	G/L	RESULTS	DATE ANALYZED	ANALYST INITIALS
	Alkalinity (Total)	00410					
	Alkalinity, Ca CO ₃ Sat.	74023					
	Ammonia - N	00608					
	Chloride	00940					
	Color*	00081					
	Conductance*, spec.	00095					
	Dissolved Solids	70300					
	Hardness	00900					
	Fluoride	00951					
	Nitrite, N	00615					
<input checked="" type="checkbox"/>	Nitrate - Nitrite, N	00630			<u>2.2</u>	<u>4-03-98</u>	<u>BK</u>
	pH*, Ca CO ₃ Sat.	70311					
	Sulfate	00945					
	Total Solids	00500					
	Turbidity*	00076					
	Other:						

* Results reported in Units, all others in milligrams per liter (ppm)

Number of Tests Requested 01
 DHMH 90-A 10/93

Section Chief **D. MILLER-TUCK**
 SUBMITTER'S COPY

Date Reported APR 7 1998

Partial List of Submitter Codes

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
1-30	County Codes	53	Chesapeake Bay & Special Projects
41	Individual Septics & Wells Program	59	Standards & Certification Program
42	Water Supply Program	63	Division of Food Control
43	Recreational Sanitation & Migrant Camps, DHMH	64	Engineering & Maintenance, DHMH
44	STP Inspection Division	65	Division of Community Services
45	Hazardous & Solid Waste Admin. (Landfill Samples)	66	Office of Attorney General
46	Pre-Treatment Enforcement Division	67	Dept. of General Services
48	Licensing and Certification, DHMH	77	E.P.A.
52	Water Quality Monitoring Program	91	State Highway Administration
		96	L.U.S.T./U.S.T./CERCLA
		99	Unknown

Codes for Federally Funded Projects (leave box blank if not federal)

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
S	Safe Drinking Water Act (SDWA)	N	National Pollution Discharge Elimination System (NPDES)
R	Resource Conservation and Recovery Act (RCRA)	M	Miscellaneous (Other)

Partial List of Data Category Codes

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
1F	Sediment Samples	2F	Innovative Disposal
2A	Industrial Effluents/Compliance	5A	Solid Waste/Landfills
2B	Industrial Grab	5B	Kidney Dialysis
2C	Municipal Compliance	5C	Commercial Bottled Waters
2D	Municipal Grab	5D	Misc. Wastewaters
4A	MCL Surveys	5E	Misc. River/Stream
4B	Routine Monitoring & Other Communities	5F	Misc. Drinking Water
4D	Potable - County Community	5G	Swimming Pools
4E	Potable - Non Community	5H	Marine or Estuarine Natural Bathing Areas
4F	Potable - Private Wells		
4G	Real Estate Trans./Charge Samples		

Partial List of Error Codes

<u>Code</u>	<u>Description</u>	<u>Code</u>	<u>Description</u>
A	Laboratory Accident	J	Wrong sample type
C	Mechanical/Materials failure	RR	No sample received
D	Insufficient Sample	X	Improper preservation
E	Sample past holding time	LL	Mislabeled sample

ENVIRONMENTAL PROTECTION AGENCY
 WASHINGTON, D.C. 20460
 EPA-823-R-91-001 P 3-115

APPLICATION

HOWARD COUNTY

PERMIT APPLICATION

DEPARTMENT OF INSPECTIONS, LICENSES & PERMIT
3430 COURT HOUSE DRIVE, ELLICOTT CITY, MARYLAND 21043

SERIAL NUMBER

B00112757

BUILDING ADDRESS (HOUSE NO., STREET, TOWN OR AREA)

12281 Hydeaway Court
Highland, MD 20777

36500

GRADING/SEDIMENT CONTROL YES NO **GP97-176**
SDP #

DESCRIPTION OF WORK AUTHORIZED **Dorchester**
2 story, full bsmnt, 10R, 2FB,
1NB, FP, garage, 4BR

LOT NO.	PARCEL NO.	SEC.	AREA	BLOCK NO.	LIBER	FOLIO
14	133			24		
SUB DIVISION		ZONE	ZONE MAP	ELEC. DIST.	CENSUS TR.	
Hydeaway Moor		RD10	40	5	6051.2	

OWNER NAME AND ADDRESS
CORNERSTONE HOMES, INC
9691 NORFOLK AVENUE
LAUREL, MD 20723

PHONE NO.
(410) 792-2565

SIZE OF BLDG.	FRONT	DEPTH	HEIGHT
1	54'	413'	10'
2	54'	42'	10'
B	5-1'	28'-6"	10'

OCCUPANT'S NAME AND ADDRESS
Same as Owner

TYPE OF BLDG.	AREA	VOLUME	ROOF
B. ROOMS 4	1444		Asph
ROOMS 10			
BATHS 2 1/2	1364		Asph
FIREPLACES 1	1212		

ARCHITECT OR ENGINEER'S NAME AND ADDRESS
TSA Group, Inc.
2480 Baltimore National Pike, #418
ELlicott City, MD 21043

PHONE NO.
(410) 265-6105

FOOTINGS	FOUNDATION	S. WALLS
11" x 8"	2' concrete w/ dr	w/bsing

CONTRACTOR'S NAME AND ADDRESS
Same as Owner

UTILITIES			
WATER	SEWER/SEPTIC	GAS	ELECTRICITY
TYPE OF HEAT			AC
			Gas

I have carefully examined and read this application and know the same is true and correct, and that is doing this work, all provisions of Howard County Ordinances and the State Laws of Maryland will be complied with, whether specified or not; and I will notify the Department of Inspections, and Permits twenty-four hours in advance when I am ready for the inspections called for elsewhere in the application; and that no work will be covered up until such inspections have been complied with.

EXISTING USE
Vacant Lot

PROPOSED USE
New S.F.D.

EST. CONSTRUCTION COST
\$130,400

LICENSE NUMBER
#472.00

PERMIT FEE
\$472.00

Brian D. Boy
President
7/2/98
DATE

FOR OFFICE USE ONLY

DISTANCE IN FEET FROM R/W LINE TO FRONT BUILDING LINE _____
SIDE YARD _____
(DISTANCE IN FEET FROM SIDE BLDG. LINE TO SIDE PROPERTY LINE)
TO SIDE BUILDING LINE _____
DISTANCE IN FEET, REAR YD. REQUIRING SET _____
BACK _____ (CORNER LOT ONLY)
SDP # _____

FUNCTION	DATE	SIGNATURE APPROVAL
ZONING/PLANNING	X	
SHA	X	
SEDIMENT/GRADING	X	
BUILDING OFFICIAL	X	
WATER & SEWER	X	
HEALTH DEPT.	X 7/10/98	Ronald P. Kelly
FIRE PROTECTION	X	
STORM WATER MGM	X	

Check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

CAUTION
To begin construction before a permit placard has been issued and displayed on the job is a violation of the law.
Use and occupancy permit must be applied for two weeks before it will be issued.

IMPORTANT: PLEASE SHOW ZIP CODES AND AREA CODES WHEREVER REQUIRED.

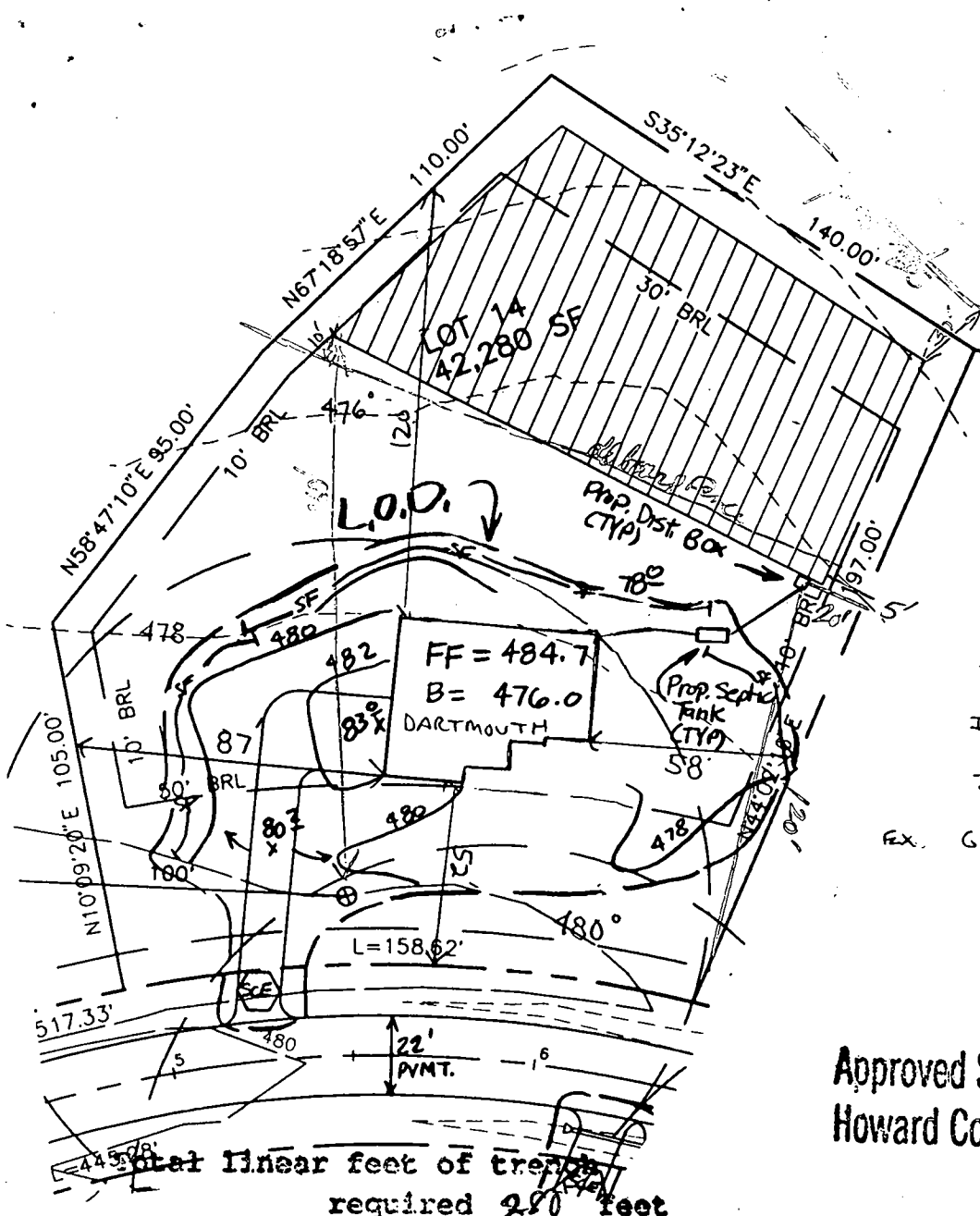
APPROVED

DATE

LP-69-591

Distribution of Copies:
White - Building Official
Green - Planning & Zoning

Yellow - Engineering
Pink - Health Dept.
Gold - S.H.A.



Septic ELEVATIONS

INV HOUSE OUT	474 ⁵
INV TANK IN	474 ⁰
INV TANK OUT	473 ⁷
INV BOX IN	473 ³
INV BOX OUT	473 ⁰
EX. GRADE AT BOX	476 ⁰

Approved Septic System Plan
Howard County Health Department

Width of trench(es) 3 feet

BUILDER: Depth of trench(es) 2 1/2 feet

Depth of stone required below

CORNERSTONE HOMES, INC. 2 feet

9691 NORFOLK AVENUE
LAUREL, MD 20723

(410) 792-2565

Brad Shirley 7/10/98
Signature Date

HYDE PROPERTY

LOT 14

PROJECT:

LOCATION:

TAX MAP 40 - PARCEL 133
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE:

PLOT PLAN

DATE:

MAY, 1997

DRAWING

2 OF 3

SCALE: 1" = 50'



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

November 25, 1998

Cornerstone Homes, Inc.
9691 Norfolk Avenue
Laurel, Maryland 20723

RE: Hyde Property - Lot 14
12281 Hydeaway Court
Well Permit #HO-94-1469

Dear Sirs:

This is to advise you that the septic system for the above referenced property was installed, inspected and approved on August 25, 1998.

The water sample recently submitted for testing was free of coliform and fecal coliform bacteria at the time of sampling and is bacteriologically safe for drinking.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-1496. No guarantee can be given for health protection beyond this date of issue. Based upon satisfactory investigation and evaluation by the Howard County Health Department, the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.09.

This certificate may become final upon completion of the final bacteriological test which is to be taken by the county health department within six months. It is requested that the homeowner contact Ms. Vicki Fellas, at (410) 313-2644, to make an appointment for follow up sampling.

Date of Water Sample: November 16, 1998
November 23, 1998

Date of Well Completion: April 1, 1998

Approving Authority

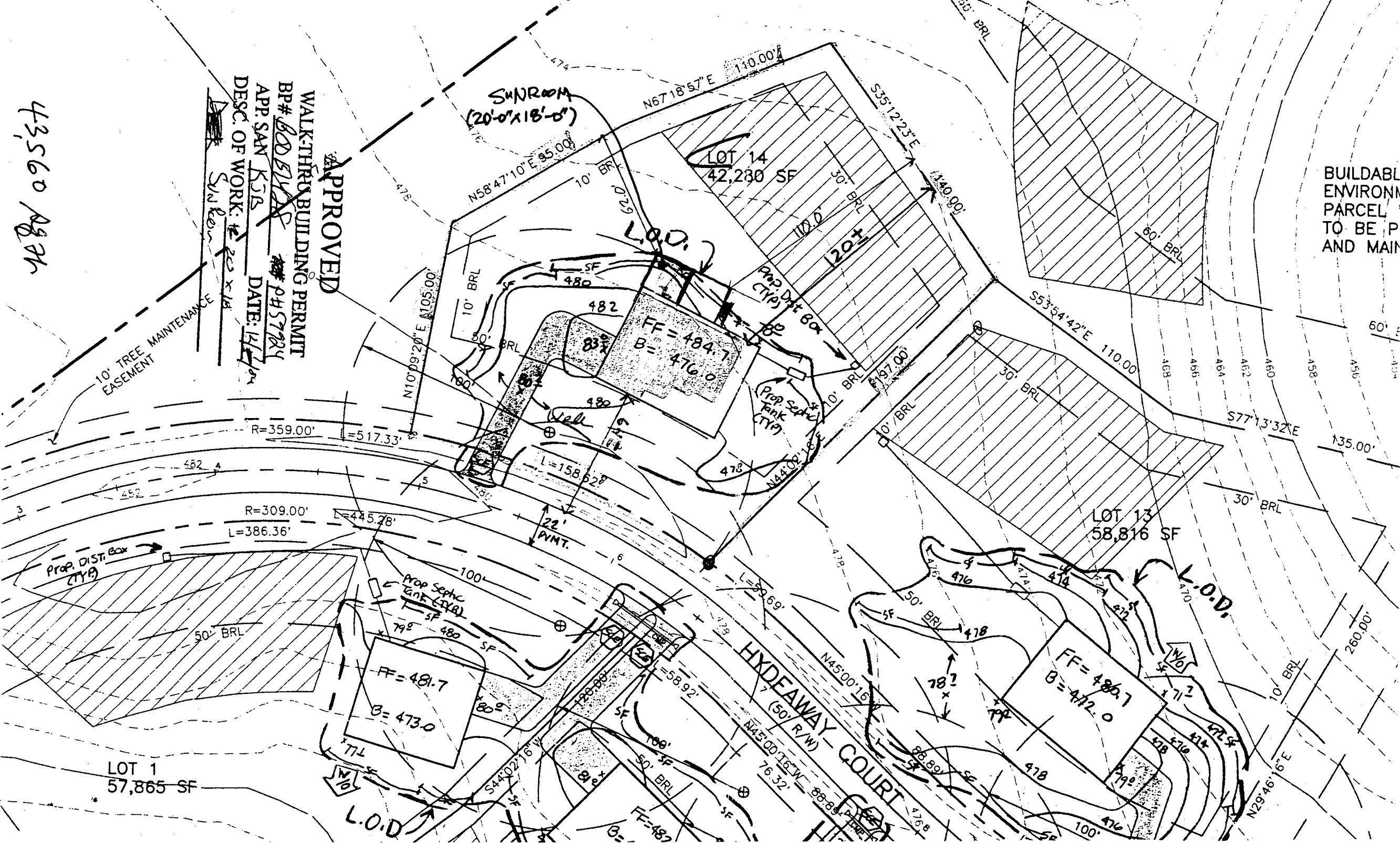
Amy Mc Millen
Amy Mc Millen, R.S.
Water and Sewerage Program

DKS:alm
cc:Building Inspector's office
file

43560 Ag 21

WALKTHRU BUILDING PERMIT
BP# 80051425
APP. SAN KJR
DESC. OF WORK: 20' x 18'
DATE: 1/17/24

APPROVED



BUILDABLE ENVIRONMENTAL PARCEL TO BE PLANNED AND MAINTAINED

LOT 1
57,865 SF

HYDEAWAY COURT
(50' R/W)

LOT 13
58,816 SF

LOT 14
42,230 SF