

8/30/94
C-0 12:00
8/31/94 ASAP
WPT 7/1/94 ANYTIME

Tax ID-04-351479

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50107

A 42815

DISTRICT 4th

DATE 6/22/94

DATE SYSTEM APPROVED 8/31/94

INSPECTOR M. Rifkin

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-2640~~ 313-2640

INDEXED

*Time Expired for F.C.O.P.
Compliance

Hy and Lowe

IS PERMITTED TO INSTALL X ALTER

ADDRESS 7000 Warfield Road, Gaithersburg, Maryland 20760 PHONE 926-5924

SUBDIVISION Camden Downs LOT 13 ROAD 15600 Thistle Downs Court

PROPERTY OWNER Carl Cunzeman

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 - Place the first trench 65 feet off the front (323.96') lot line and 120 feet off the left (580.82') lot line as seen when facing the lot from Thistle Downs Court. Run trenches on contour toward the right (248.56') lot line. MAINTAIN A MINIMUM OF 100 FEET FROM THE WELL.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 5/31/94 DKS

OK TO START TRENCHES 10' DOWNHILL MRI per ALM

PLANS APPROVED BY Jane Nadeau

DATE 01/08/90

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

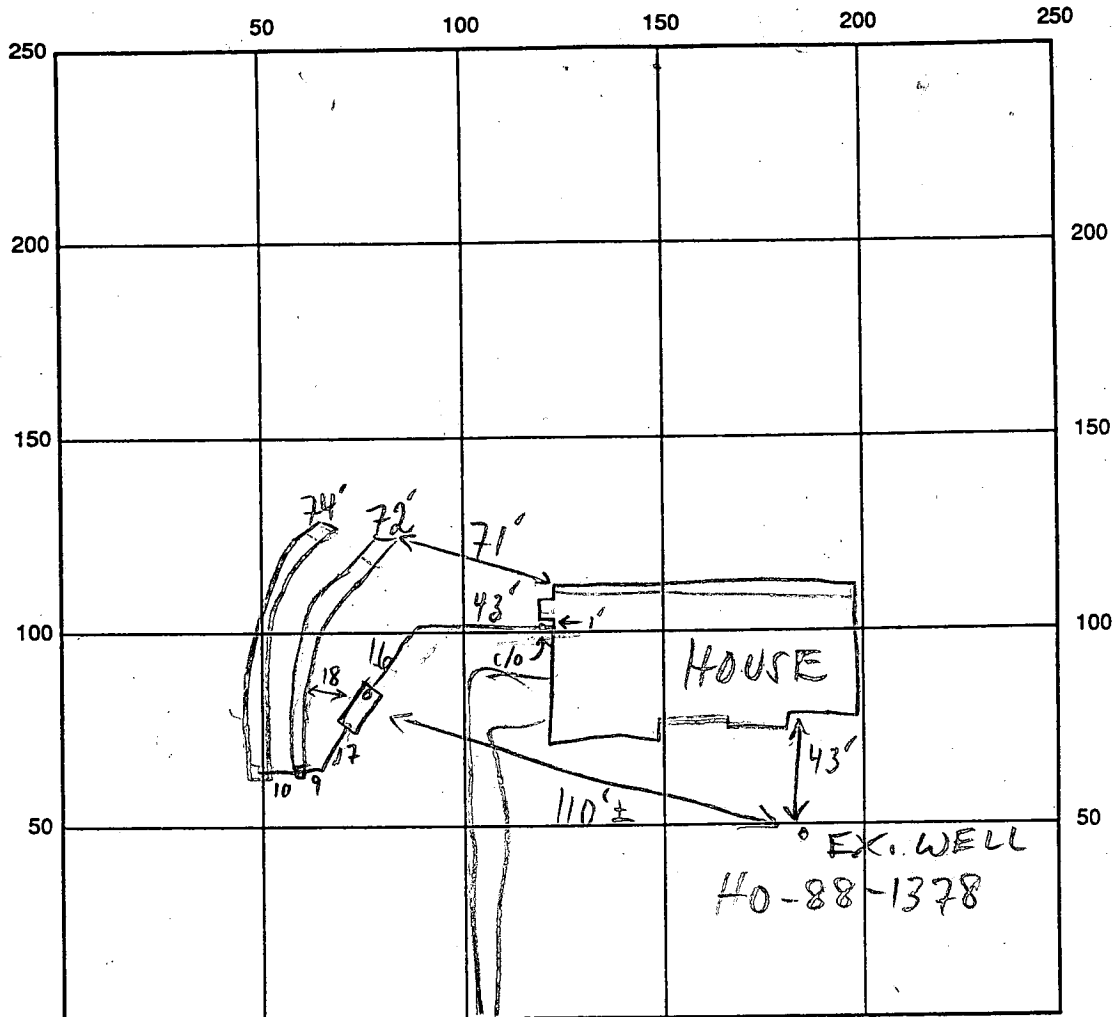
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

BLOG. PERMIT SIGNED
AND RETURNED 8-6-97
Seal # 200101269
add'l deck

42815



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 GAL-OK CLEANOUTS S.T. & INLINE-OK

DISTRIBUTION BOX LEVEL OK BAFFLE IN

DRAIN FIELD/TITLE DEPTH 8.5/8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5/3 FT.

EFFECTIVE GRAVEL DEPTH 5/5 FT. TOTAL LENGTH ① 72
② 74 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA ① 360
② 370 SQ. FT.

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

ABSORBENT AREA 730 SQ. FT.

REMARKS: 8/30/94 OK TO STONE TRENCHES; TRENCHES
SLIGHTLY FURTHER DOWNHILL THAN PER REVISED SPECS (10') IN
BASED ON HOUSE MEASUREMENT, BUT PLENTY OF REPAIR AREA MR
8/31/94 OK TO COVER MR
9/1/94 WRT 3 1/2' below grade NO insp sheet sum

DATE SYSTEM APPROVED 8/31/94 INSPECTOR M. Rifkin

APPLICATION

PERCOLATION TESTING

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

A 42815
P _____
DISTRICT 4th
DATE 8/16/88

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 Carrie Lee Hutchins Carl Cunzeman

ADDRESS 830 Morgan Station Road, Woodbine MD 21797 PHONE 725-1865

PROSPECTIVE BUYER Potomac Development Company

ADDRESS 1015 Copperstone Ct., Rockville, MD 20852 PHONE 424-6006

PROPERTY LOCATION:

SUBDIVISION Camden Downs LOT NO. 14 Prelim (13)

ROAD AND DESCRIPTION Old Frederick Road and Morgan Station Road
(15600 Whistle Downs Court)

TAX MAP 8 PARCEL # 1

SIZE OF LOT 4.00 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.

Gregory B. Powell
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 1-24-89 Res Satisfactory - Hold For Subd 1CAI-SUB

BLDG. PERMIT SIGNED

AND RETURNED 5/4/94

Serial # 53496
SFD-4Bmm

THIS IS NOT A PERMIT

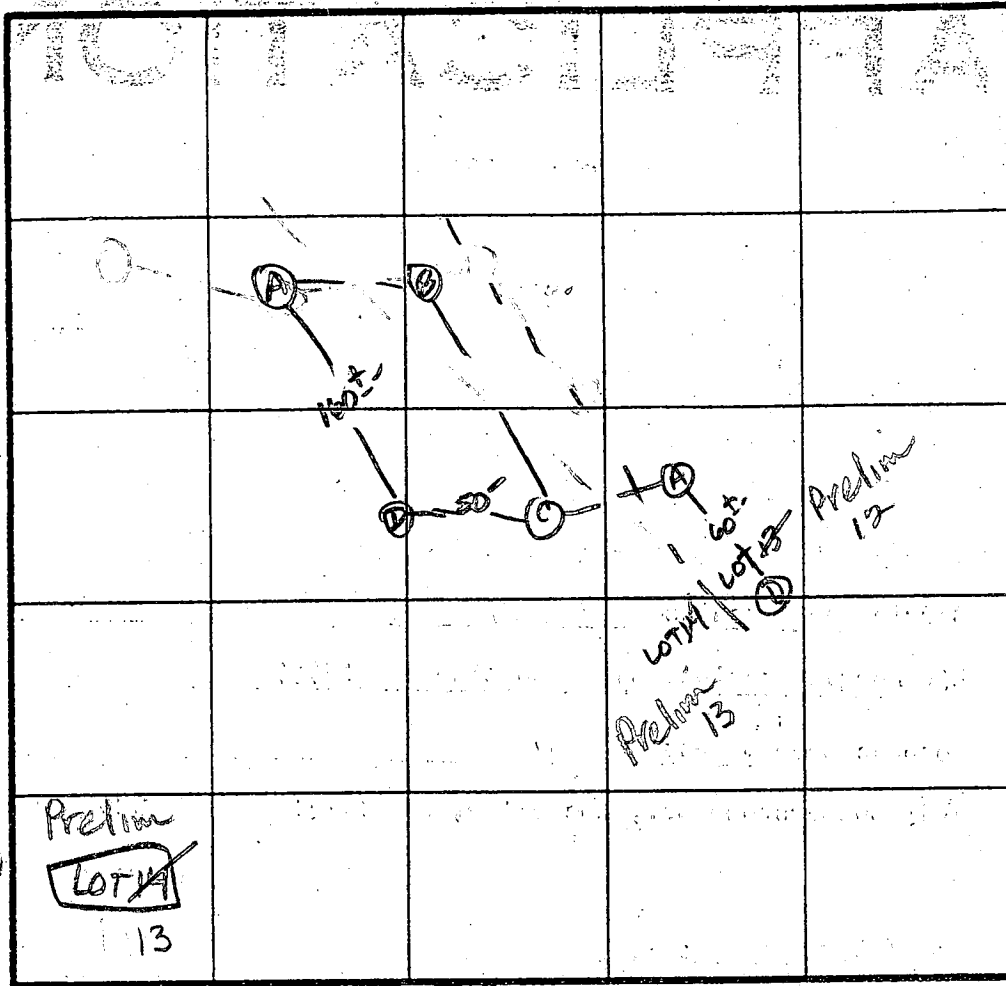
A 42815



SOIL PROFILE

0'
8'
4-8.5'
12.5'

AP
Yellow Br.
Silty Clay
loam 10-15%
Frapp
Yellow Br.
w/ red
casts
silty loam
15-20%
Frapp



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

OLD FRED Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/2/89	C S V	5.5' 12.5'	11:10 AS Profile	11:11 led	11:11	11:14	3 min
	D V	13'	Similar to Profile				
	A S M	3' 7.5'	11:35 11:26	11:37 11:30	11:37 11:30	11:40 11:35	3 min 5 min
	A V	13'	Similar to B w/ less clay.				
	B S V	5' 13'	11:16 Similar to Profile	11:20	11:20	11:25	5 min
			w/ more Frapp. 25-30%				

REMARKS 1-toles APPROX TO PLAT & AS STAKED

TYPE OF SOIL Chestnut

TESTED BY S. Abel ALSO PRESENT Phil

EH-12-1079

FREDERICK

ROAD

THISTLE

AREA TO BE DEDICATED TO
HOWARD COUNTY FOR THE
PURPOSE OF A PUBLIC
ROAD (1.185 Ac.)

TOTALS

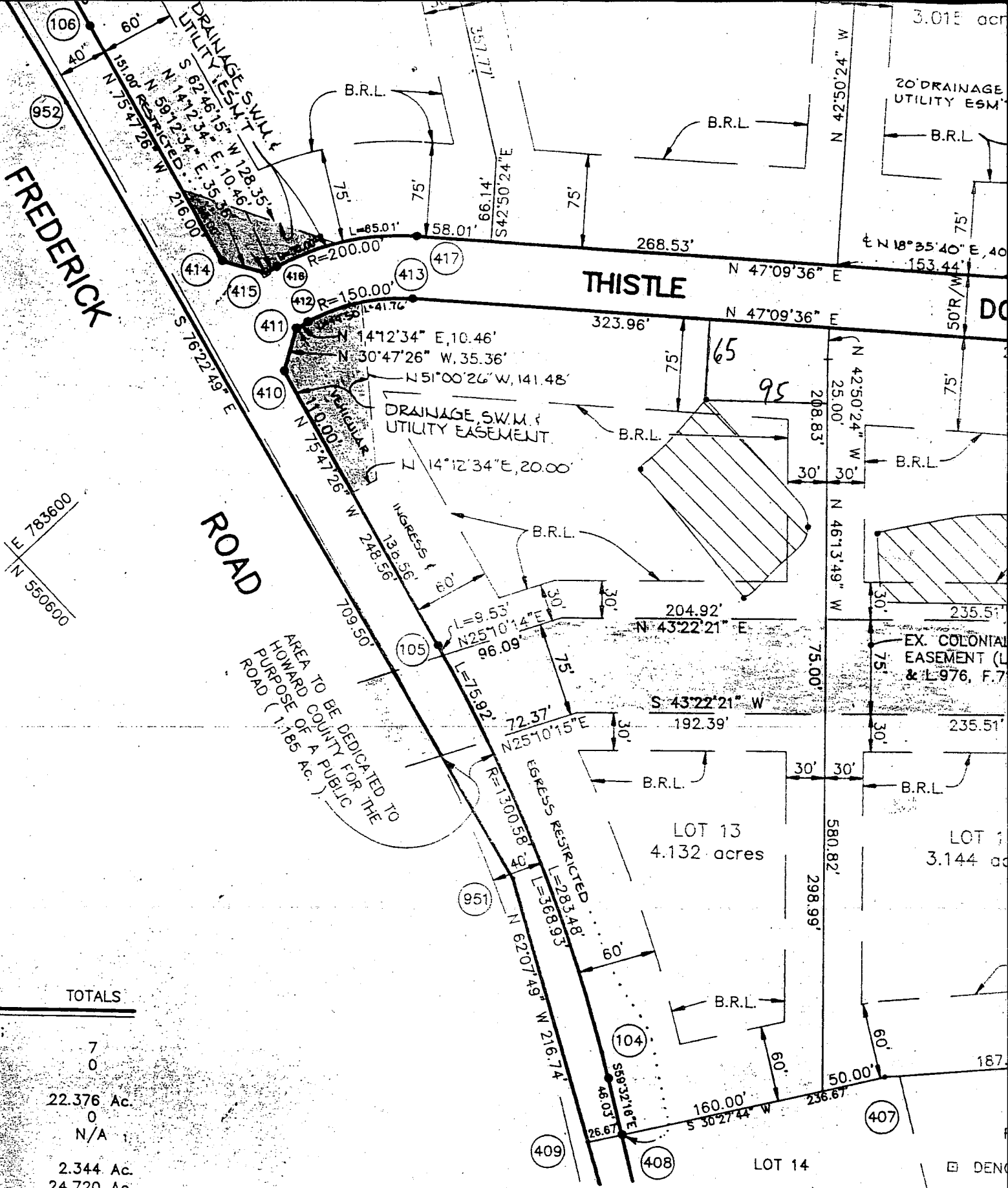
RDDED;

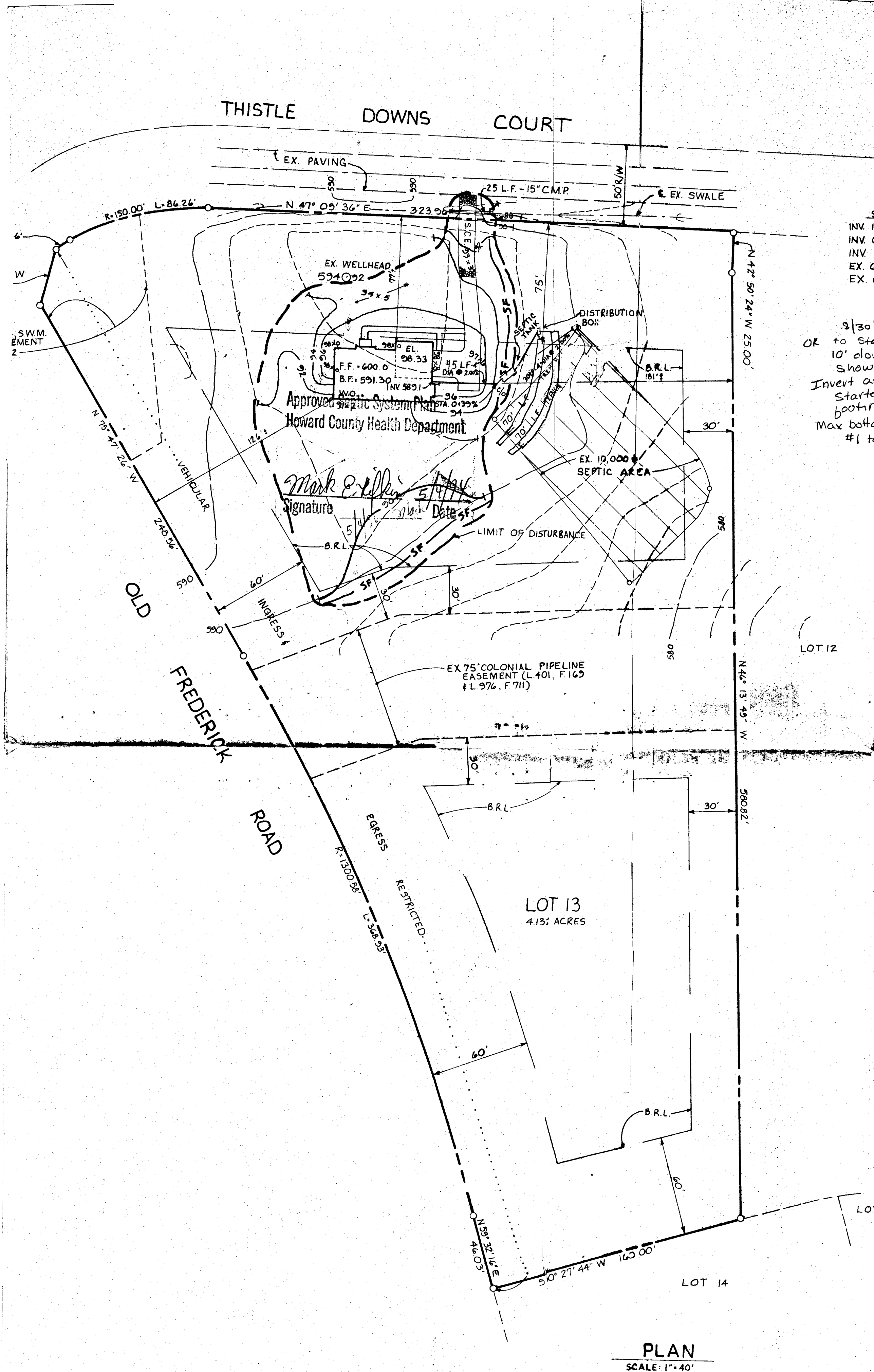
7
0
22.376 Ac.
0
N/A
2.344 Ac.
24.720 Ac.

SURVEYOR'S CERTIFICATE

HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS
SUBDIVISION OF PART OF THE LANDS CONVEYED BY THE GRALAN COMPANY TO
HUTCHINS, HOWARD O. HUTCHINS, JR., DOROTHY LEE UNDERWOOD,
ELIZABETH HAUGH AND MARY LOUISE CROSS BY DEED DATED JULY 28,
RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER 458,
AND ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR

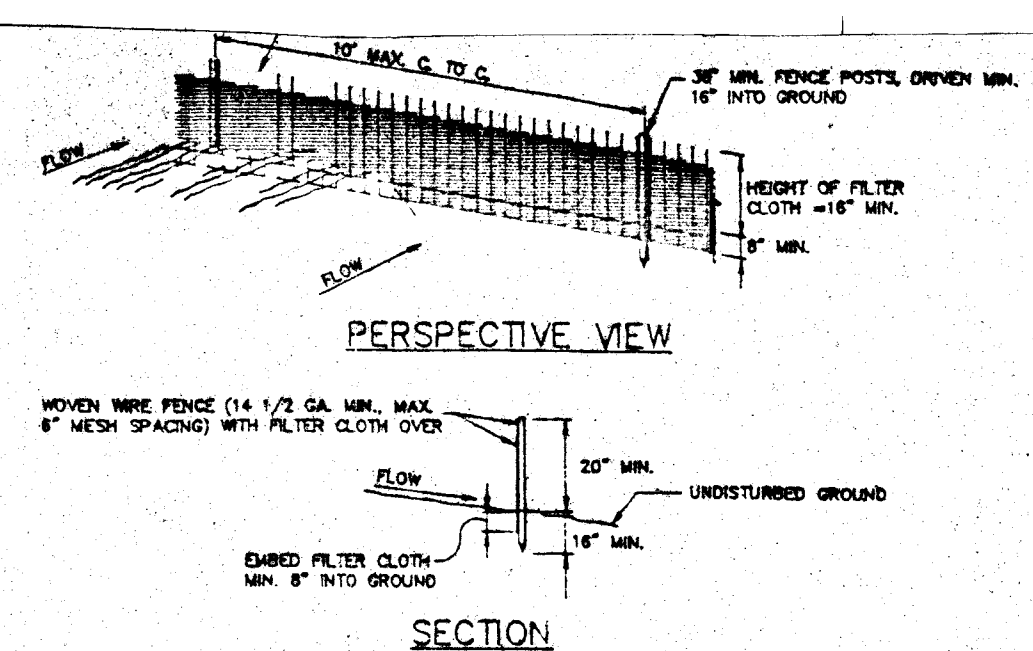
WE, CARRIE LEE HUTCHINS,
MARY LOUISE CROSS OWNER
SUBDIVISION, AND IN CONSID
ZONING, ESTABLISH THE MINI
SUCCESSOR AND ASSIGNS, (





SEPTIC DESIGN
 INV. INTO SEPTIC TANK = 587.9
 INV. OUT OF SEPTIC TANK = 587.6
 INV. INTO DISTRIBUTION BOX = 587.0
 EX. GRADE @ SEPTIC TANK = 591.9
 EX. GRADE @ DISTRIBUTION BOX = 590.0

9/30/94
 OK to start 12' trench
 10' down from where
 shown
 Invert at house was
 started 18" below
 footings.
 Max bottom depth of trench
 #1 to be 8 1/2' in at 3 1/2'
 from



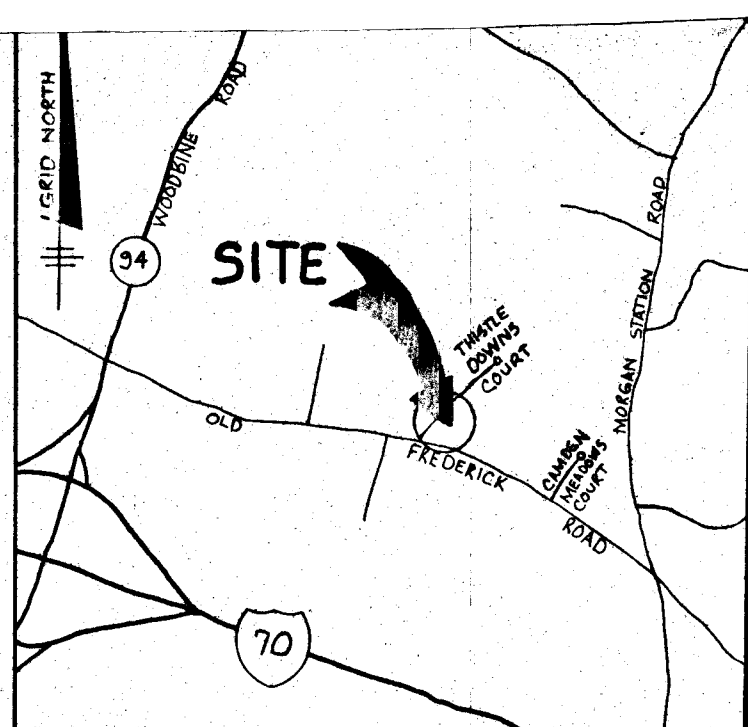
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
 1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 3. When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
 4. Maintenance shall be performed as needed and material removed when "barges" develop in the silt fence.

POSTS: Steel, either T or U type or 2" hardwood.
 FENCE: Woven wire, 14 Ga., 6" max. mesh opening.
 FILTER CLOTH: Filter K, Mifflin 1000, Stenshagen 7' 40" or approved equal.
 PREFABRICATED UNIT: Geotex, Envirofence or approved equal.

SILT FENCE DETAIL (SF)
 NO SCALE

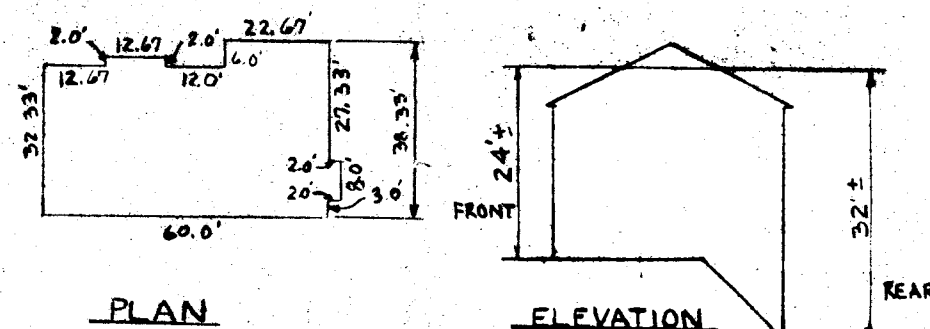
SEQUENCE OF CONSTRUCTION

1. OBTAIN A GRADING PERMIT.
2. INSTALL S.C.E. AND SILT FENCE.
3. PERFORM GRADING AND BEGIN BUILDING CONSTRUCTION.
4. STABILIZE DISTURBED AREAS IN ACCORDANCE WITH TEMPORARY SEEDING NOTES.
5. COMPLETE ALL CONSTRUCTION INCLUDING ALL UTILITIES.
6. UPON APPROVAL OF THE HOWARD COUNTY D.P.W. SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROLS AND STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.



SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (313-1835).
2. All negative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL.
3. Following initial soil disturbances or re-disturbances, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1; b) 14 days for all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted around the perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL, for permanent seedings (Sec. 51), and (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding rates do not allow for proper germination and establishment of grasses.
6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
7. Site Analysis:
 Total Area of Site: 4.132 AC.
 Total Area Disturbed: 0.618 AC.
 Area to be Reroofed or Paved: 0.084 AC.
 Area to be Vegetatively Stabilized: 0.535 AC.
 Total Cut: 454 cu. yds.
 Total Fill: 488 cu. yds.
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment controls must be provided, if deemed necessary by the Howard County Department of Licenses and Permits Sediment Control Inspector.
10. Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
11. Sediment will be removed from traps when its depth reaches clean out elevation shown on the plans.
12. Cut and fill quantities provided under site analysis do not represent full quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of undercutting or removal of unsuitable material. The contractor shall familiarize himself with site conditions which may affect the work.



HOUSE TYPE
 NO SCALE

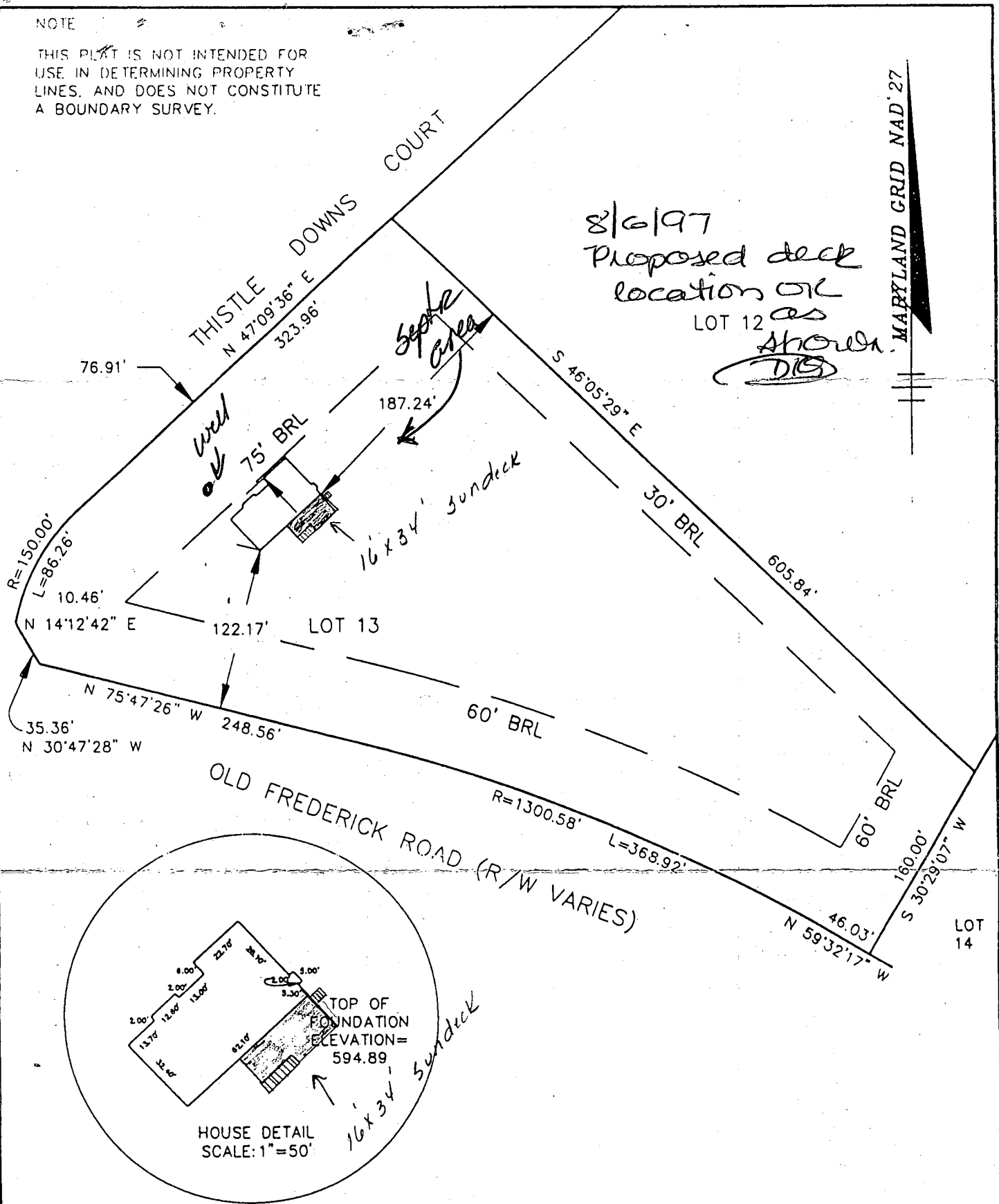
ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
LOT 13	5600 THISTLE DOWNS COURT

SUBDIVISION NAME: CAMDEN DOWNS		SEC./AREA 1	LOT/PARCEL 13
PLAT # 9572	BLOCK # 3 & 8	ZONE R	TAX MAP 3 & 8
WATER CODE: N/A		SEWER CODE: N/A	

DATE	NO.	REVISION
OWNER/DEVELOPER CARL CUNZEMAN 10717 GORMAN RD LAUREL, MD. 20723		
PROJECT: LOT 13 CAMDEN DOWNS SECTION 1		
AREA TAX MAP NO. 3 & 8 PARCEL 1 ZONED: R 4TH ELECTION DISTRICT HOWARD COUNTY, MD.		
TITLE: PLOT PLAN		
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive - Suite 200 Columbia, Maryland 21045 410-997-8900 FAX: 410-997-9288		
DATE 4/4/94	DESIGNED BY:	
DRAWN BY: CAS		
PROJECT NO: 98500		
DATE: 4/4/94		
SCALE: AS SHOWN		
DRAWING NO. 1 OF 1		

NOTE

THIS PLAT IS NOT INTENDED FOR
USE IN DETERMINING PROPERTY
LINES, AND DOES NOT CONSTITUTE
A BOUNDARY SURVEY.



THIS IS TO CERTIFY THAT I HAVE SURVEYED THE PROPERTY
SHOWN HEREON FOR THE PURPOSE OF LOCATING THE IMPROVE-
MENTS THEREON AND THAT THE IMPROVEMENTS ARE LOCATED
AS SHOWN.

I FURTHER CERTIFY THAT THE SUBJECT LOT LIES WITHIN ZONE
"C" (AREAS OF MINIMAL FLOODING) AS SHOWN ON THE FEDERAL
EMERGENCY MANAGEMENT ADMINISTRATION'S FLOOD INSURANCE
RATE MAP, COMMUNITY PANEL No.240044 0008 B.

Alan Vann Shackelford
ALAN VANN SHACKELFORD #598

7/1/94
DATE



RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERS PLANNERS SURVEYORS
8818 CENTRE PARK DRIVE
TWO CENTRE PARK SUITE 200
COLUMBIA, MARYLAND 21045
Phone: (410)997-8900 Fax: (410)997-9282

WALL CHECK SURVEY

LOT 13
CAMDEN DOWNS
SECTION ONE

4th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE: 1"=100' WO.NO.98500 BY: A.V.S. DATE: 6/30/94

C1 1604 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-42315

ST/CO USE ONLY DATE Received 05-07-90 DATE WELL COMPLETED 06-05-90 Depth of Well 165 (TO NEAREST FOOT)
PERMIT NO. 40-88-1378

OWNER: Camden Downs Partnership last name first name TOWN Lisbon
STREET OR RFD: Thistle Downs Ct
SUBDIVISION: Camden Downs 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	2	
Brown slate	2	15	
Blue slate	15	40	
Brown slate	40	45	
Blue slate	45	110	
Brown slate	110	115	
Blue slate	115	165	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)
TYPE OF GROUTING MATERIAL: CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 5 NO. OF POUNDS 502
GALLONS OF WATER 30
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 1 ft.

CASING RECORD
casing types insert appropriate code below
STEEL (ST) CONCRETE (CO)
PLASTIC (PL) OTHER (OT)
MAIN CASING TYPE: PL
Nominal diameter top (main) casing (nearest inch): 6
Total depth of main casing (nearest foot): 21

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

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

DEPTH (nearest ft.): 165
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH): 4
from to

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. 453
DRILLERS SIGNATURE: [Signature]
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee): [Signature]

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
70 72 74 75 76
TELESCOPE LOG OTHER DATA
CASING INDICATOR

PUMPING TEST
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: 35 WHEN PUMPING: 40
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
PUMP HORSE POWER: 37
PUMP COLUMN LENGTH (nearest ft.): 43
CASING HEIGHT (circle appropriate box and enter casing height): []
LAND SURFACE: 2 (nearest foot)

