

5/13/85
2:30 PM
5-14-85
AM Inspection

PERMIT

5-14-85
approved
SMB

P 35301
A 31570

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

05-392675

ELLICOTT CITY

DISTRICT 5th

INDEXED

DATE 5/17/85

United General Contractors IS PERMITTED TO INSTALL ALTER

ADDRESS _____ PHONE 461-2227

SUBDIVISION LaIsle ROAD 6632 Corina Court LOT 6

PROPERTY OWNER Rao V. Mandava

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 - 168 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 5 1/2 feet below original grade. Effective area begins at 4 feet below original grade. 1 1/2 feet of stone below distribution pipe. LOCATION: Start first trench 25 feet from the front lot line and 300 feet from the right lot line as seen from Corina Court. Run trench(s) along level ground near front lot line. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench (s) before gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY C. Williams DATE 11/7/83

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 AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE YEARS.

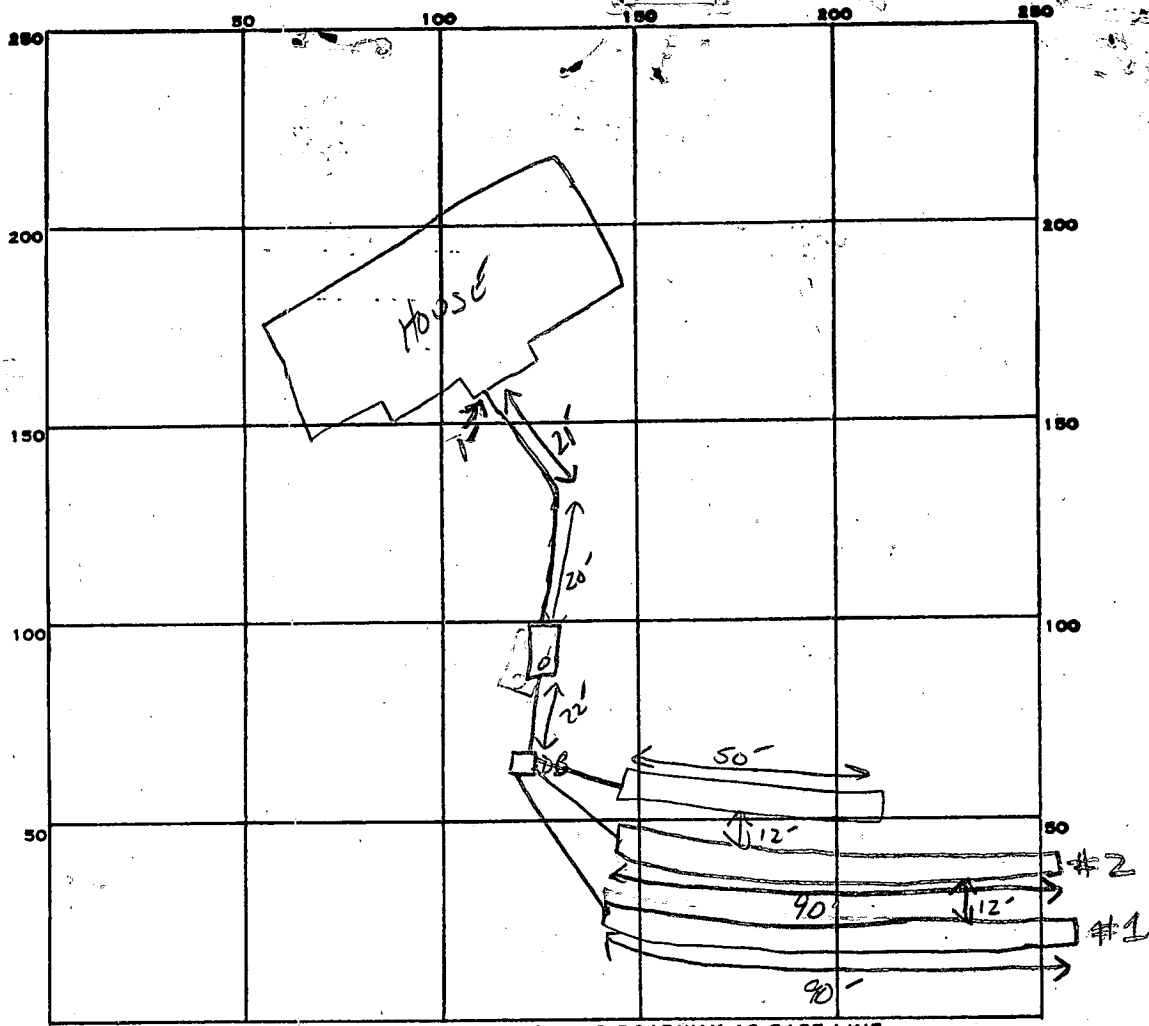
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 31570



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

CORINA COURT

PERMIT CARD

SEPTIC TANK, LEVEL 1500 GAL

CLEANOUTS

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH #1 5.5' #2 5.5' FT. TRENCH WIDTH 3 (AW) FT. INLET 4'

GRAVEL DEPTH 18 IN. TOTAL LENGTH #1 90' #2 90' #3 50' TOTAL 230'

NUMBER OF TRENCHES 3 TOTAL BOTTOM AREA 690 sq ft

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 690 SQ. FT.

REMARKS 5-13-85 OK TO COVER TRENCH #1 AND #2 EXCEPT VERY END; OK TO COVER ALL WORK FROM DB TO HOUSE; FINISH TRENCH #3 CALL FOR AM INSPECTION
FINAL SABL

DATE SYSTEM APPROVED 5-14-85 INSPECTOR SABL

Handwritten calculations:

$$\begin{array}{r} 3 \\ 168 \\ 4 \\ \hline 472 \\ 224 \\ 3 \overline{) 672} \\ 6 \overline{) 224} \\ 12 \end{array}$$

Permit

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 31570

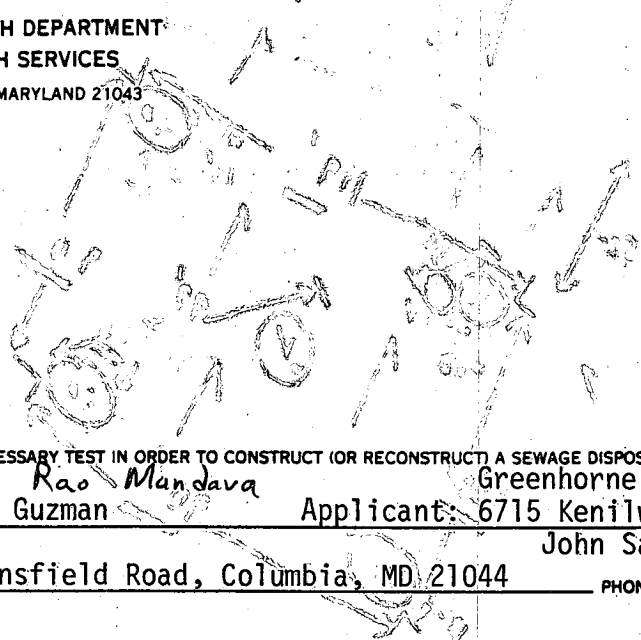
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 5th

DATE 8/14/81



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 Francisco Guzman Applicant: Rao Mandava Greenhorne & O'Mara, Inc.
6715 Kenilworth Ave., Riverdale, MD
John Sakai 277-2121 x 177 20840
ADDRESS 10959 Swansfield Road, Columbia, MD 21044 PHONE _____

PROPERTY LOCATION:

SUBDIVISION La Isla LOT NO. 6
6632 Corina Court
ROAD AND DESCRIPTION Cedar Lane 1,000 Ft. North of Intersection W/Rte. 32

SIZE OF LOT 3+ acre TYPE BLDG. Single Family Dwelling
4 bedrooms
(NUMBER OF BEDROOMS)

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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 8/20/81 HOLD FOR OFFICE DISCUSSION - WATER ON LOT

8/20/81 OK PERF. S. shallow system only @ office

BLDG. PERMIT SIGNED

AND RETURNED 8/20/81

Serial # 64528 Pool

BLDG. PERMIT SIGNED

AND RETURNED 8/20/81

for SKD on 8/20/81

THIS IS NOT A PERMIT

Permit

APPLICATION

A 31570

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

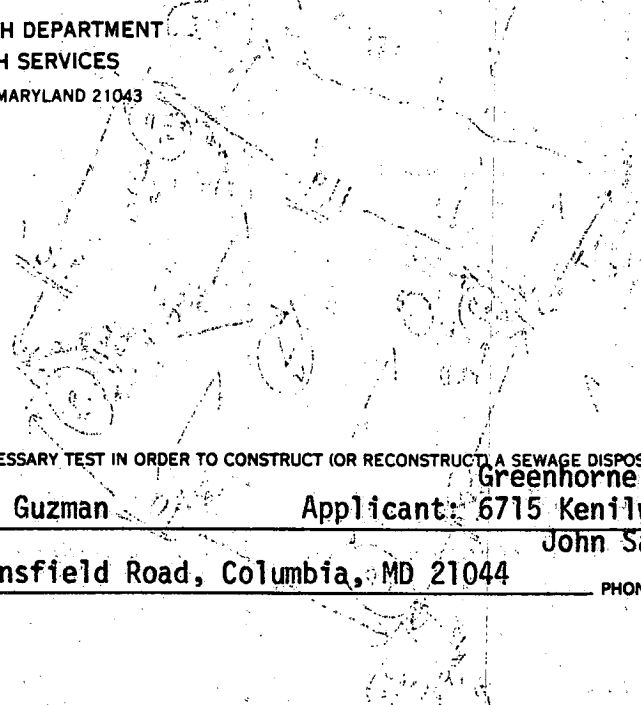
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(SIGNATURE OF APPLICANT)

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REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 8/24/81 HOLD FOR OFFICE DISCUSSION - WATER ON LOT

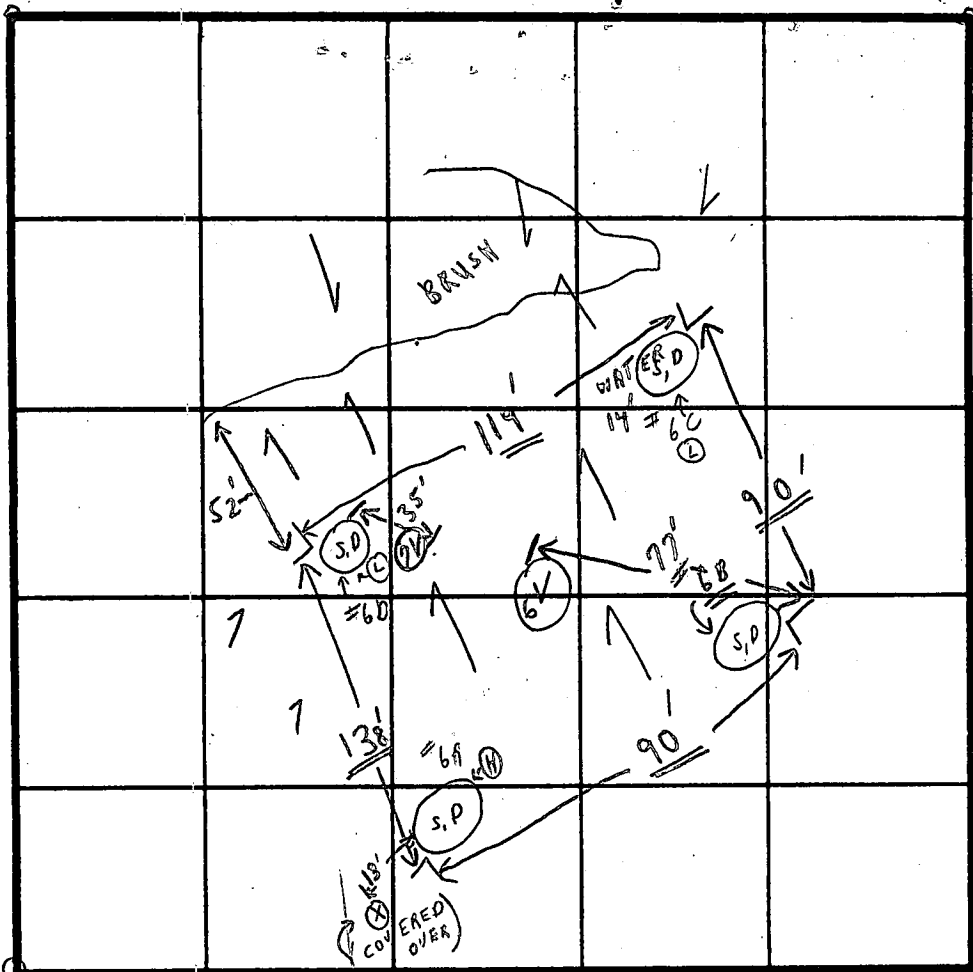
C.B.D.

THIS IS NOT A PERMIT

6

SOIL PROFILE

SEE EACH HOLE BELOW



FIELD SHEET
TESTS PER PERC STAKES

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
PROPOSED UNNAMED ROAD

Sheet 4

SOIL PROFILE	DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
				START	STOP	START	STOP	
1'-3' CLAY	8/20/81	6 B S	3'	10:06	10:07	10:07	10:09	2 min
3'-8' SANDY MICR LOAM		6 B D	8'	SIMILAR		TO SHELF		
1'-4 1/2" CLAY 4 1/2" - LOAM TO 12'-10"		6 A S (1)	3 1/2'	10:25	10:00	10:56	10:xx	XXX (1/2"-3/4" @ most)
		6 A D	12'-10'	MICA	LOAM	FROM SHELF TO BOTTOM		
1'-3 1/2' CLAY 3 1/2'-14' LOAM		6 C S	3 1/2'	10:11	10:12	10:12	10:15	3 min
		6 C D	14'	WAITER	HOLD	LOAM TO WATER		
1'-3' CLAY 3'-7' LOAM		6 D S	3'	10:17	10:26	10:26	10:48	22 min
		6 D D	7'	SIMILAR		TO SHELF		
		6 V	13'-10"	(1'-4' CLAY 4'-13'-10" MICR LOAM)				
	8/20/81 P.M.	6 A S (2)	4'-3"	12:45	12:49	12:49	1:02	13 min

{ IF APPROVED }
SHALLOW TRENCHES ONLY C.B.

(1/2"-3/4" @ most)

9:30-2:30
Water level

{ REQUESTED }
DEEPER DUG TO

10 min avg

REMARKS: 9V (12" DRY) HOLES DUG @ ARRIVAL 4:40 (1) HOUSE SITE
TESTS IN OPEN; HIGH GRASS - HOLD FOR (2) WELL SITE
TYPE OF SOIL: _____ (3) CERTIFIED HOLES
TESTED BY: C. B. J. ALSO PRESENT: PHIL BRADFORD + ASST. - A.M. (4) HOLD - WATER

C1 0899 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 TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A 315 70

DATE RECEIVED

DATE WELL COMPLETED 10/1/84

DEPTH OF WELL 200 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0378

OWNER Mandava Rao V. STREET OR RFD Corina Court TOWN Simpsonville SUBDIVISION La Isla SECTION LOT 6

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 (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: Brown shale 0-22, Gray mica rock 22-200.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 5 NO. OF POUNDS 470 GALLONS OF WATER 30 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 21 ft.

CASING RECORD

MAIN CASING TYPE S7 Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 25 OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole (insert appropriate code below) ST BR HO PL OT STEEL BRASS OPEN HOLE PLASTIC OTHER DEPTH (nearest ft.) H0 23 200

C2

DEPTH (nearest ft.) H0 23 200 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F.IN BOX 68

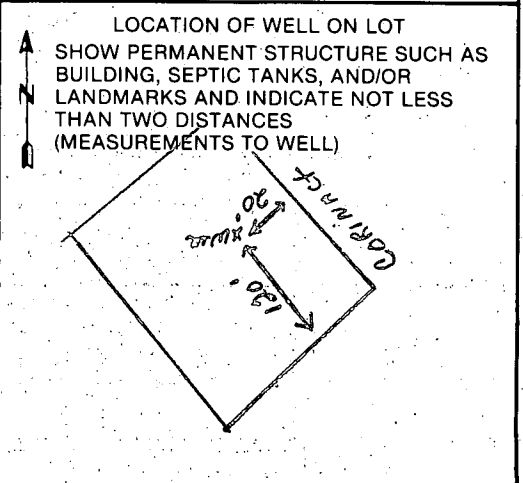
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) WQ TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 62 METHOD USED TO MEASURE PUMPING RATE bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 25 WHEN PUMPING 123 TYPE OF PUMP USED (for test) 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) 2



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. 238 DRILLERS SIGNATURE Joseph L. Manpre (MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

B 1 7652

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-81-0378

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

1/12/84 10:00 A.M.

please print or type

fill in this form completely

Date Received

120783

OWNER INFORMATION

MANDAVA V. RAO

5885 HARNESS CT.

COLUMBIA MD 21044

B 3

LOCATION OF WELL

HOWARD

LA ISLA

SECTION LOT 6

SIMPSONVILLE

MILES FROM TOWN (enter 0 if in town)

DRILLER INFORMATION

Joseph H. Mayne

238

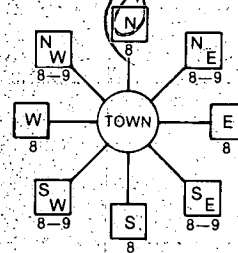
Joseph H. Mayne

5512 Ridge Rd. Md. Chevy Md.

Signature Date Dec. 7, 83

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Corina Court

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD

ENTER FT or MI

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home, Farming, Industrial, Public or Private Water Company, Test, Observation, Monitoring

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD

A31570

COUNTY NAME

COUNTY NO.

OEP SIGNATURE

STATE HEALTH INSERT S

DATE ISSUED

Frank Skinner 6/2/84

NORTH GRID

EAST GRID

APPROXIMATE DEPTH OF WELL

200 FEET

APPROXIMATE DIAMETER OF WELL

6 INCH

METHOD OF DRILLING (circle one)

- Bored, Jetted, Rotary, Cable, Reverse-Rotary, Drive-Point

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- Not replace, Replace and seal, Replace as standby, Deepen

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER

FORCE INITIALS PERMIT No. 40-81-0378

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

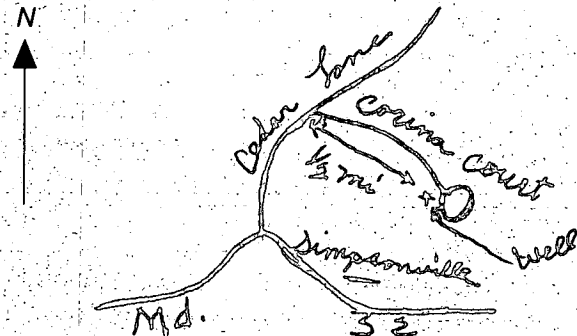
- Well

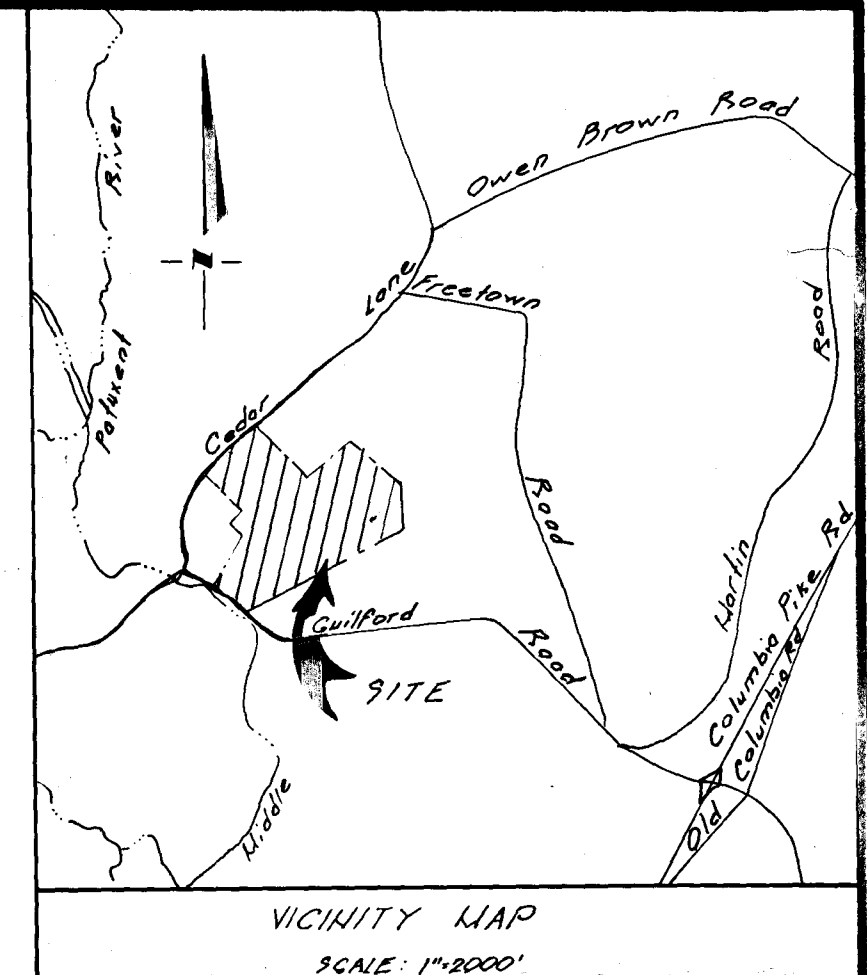
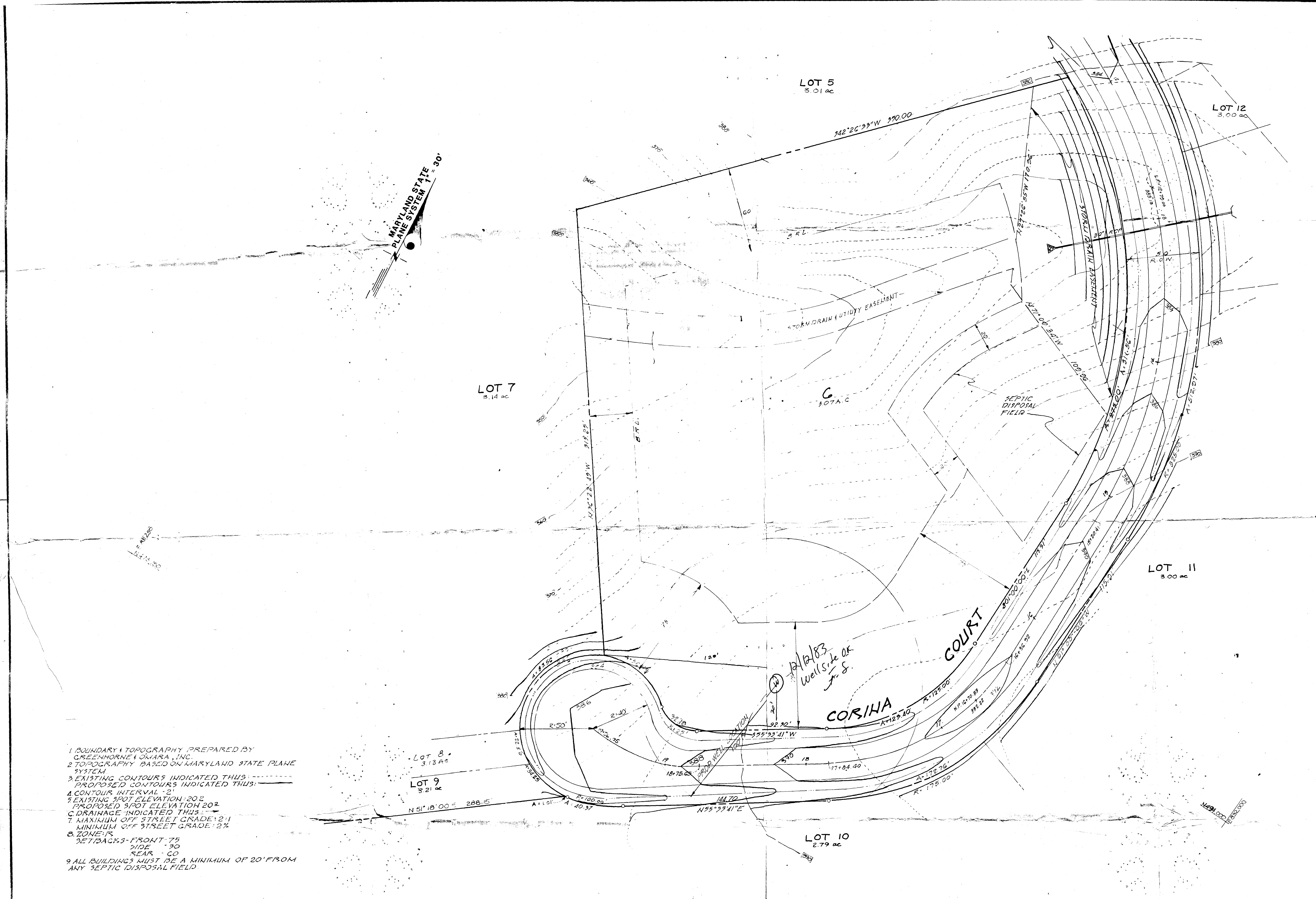
WRITE THE BOX-NUMBER FROM THE MAP HERE

830 1, 490 3

Treatment OK 25' casing, 21' open, 5' bags cement

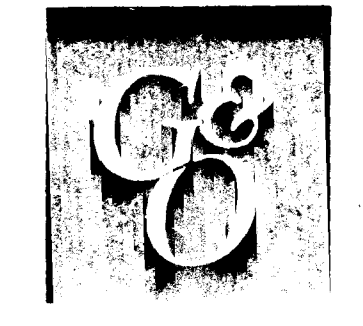
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION





- 1 BOUNDARY & TOPOGRAPHY PREPARED BY GREENHORNE & O'MARA, INC.
- 2 TOPOGRAPHY BASED ON MARYLAND STATE PLANE SYSTEM
- 3 EXISTING CONTOURS INDICATED THUS: - - - - -
- 4 PROPOSED CONTOURS INDICATED THUS: - - - - -
- 5 CONTOUR INTERVAL - 2'
- 6 EXISTING SPOT ELEVATION - 20.2
- 7 PROPOSED SPOT ELEVATION 20.2
- 8 DRAINAGE INDICATED THUS: - - - - -
- 9 MAXIMUM OFF STREET GRADE: 2:1
- 10 MINIMUM OFF STREET GRADE: 2%
- 11 ZONE: R
- 12 SETBACKS - FRONT: 75'
- 13 SIDE: 30'
- 14 REAR: 60'
- 15 ALL BUILDINGS MUST BE A MINIMUM OF 20' FROM ANY SEPTIC DISPOSAL FIELD

No.	REVISION	DATE	BY

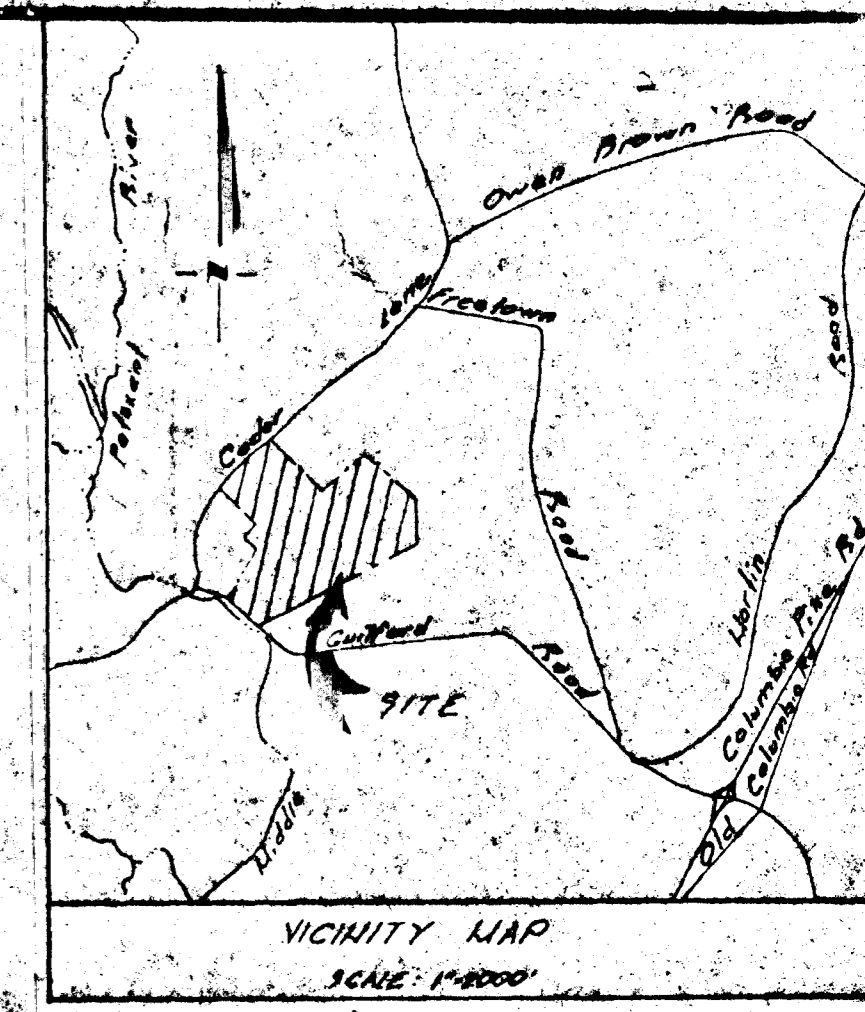


GREENHORNE & O'MARA, INC.
 ENGINEERS • ARCHITECTS • PLANNERS • SURVEYORS
 2 RESEARCH PLACE ROCKVILLE, MD. 20850
 (301) 948 - 0900
 GREENBELT, MD • ANNAPOLIS, MD • FAIRFAX, VA • NO. HUNTINGDON, PA

DEVELOPMENT PLAN
LA ISLA
 LOT 6 BLOCK 'A'
 TAX MAP NO. 35 PARCEL NO. 113
 5TH ELECTION DISTRICT
 HOWARD COUNTY MARYLAND

SHP DESIGN	SCALE 1" = 30'
IDP DRAWN	C OF 19
D.O.B. CHECKED	
DATE	SHEET
12/1/1983	15-622-X
JOB No.	FILE No.

DEVELOPER
 FRANCISCO GUZMAN
 10959 SWANFIELD ROAD
 COLUMBIA, MD. 21044



MARYLAND STATE
PLANE SYSTEM 1" = 30'

LOT 7
3.14 ac

LOT 5
3.01 ac

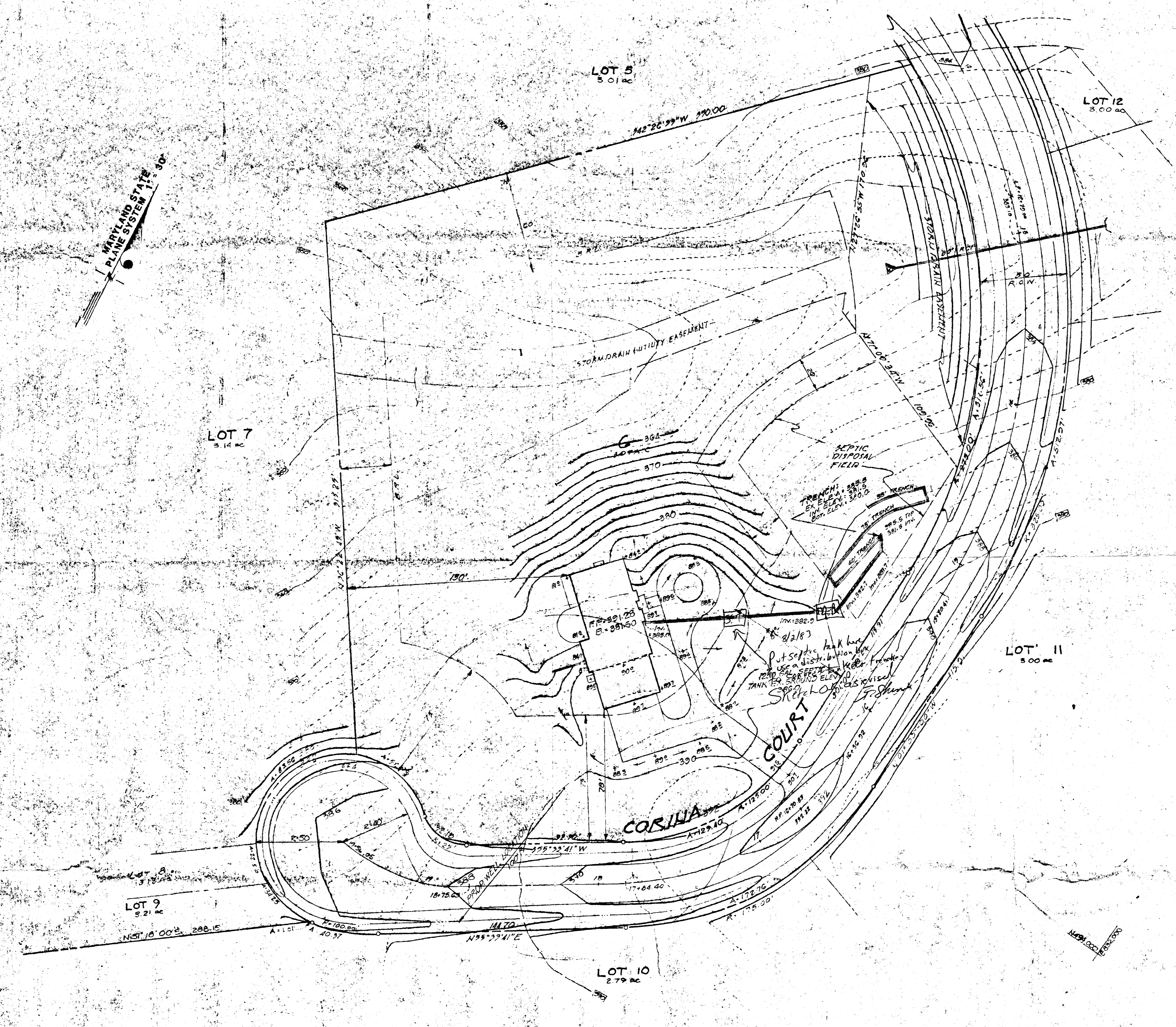
LOT 12
3.00 ac

LOT 11
3.00 ac

LOT 10
2.79 ac

LOT 9
3.21 ac

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COLUMBIA, MD 21044

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DEVELOPMENT PLAN
LA ISLA
LOT G BLOCK X
TAX MAP NO 35 PARCEL NO 119
5TH ELECTION DISTRICT
HOWARD COUNTY MARYLAND

SHP DESIGN	SCALE 1" = 20'
IDP DRAWN	C OF 17
P.O.B. CHECKED	SHEET
SEPT 1987 DATE	15-622-X FILE No.