

1-14-88
2 pm
1-22-88
AM asap
final

05-392659

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 39948

A 31568

DISTRICT 5th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 8/21/87

DATE SYSTEM APPROVED 1-22-88

INSPECTOR JEN

{ F.C.O.P.
Time expired }

Connor Construction, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 8455 Baltimore National Pike, Ellicott City, MD PHONE 465-9531

SUBDIVISION La Isla ROAD 6620 Corina Court LOT 4

PROPERTY OWNER Inder Sharma 596-3333
car # 440-0665

ADDRESS _____

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

GARBAGE GRINDER? YES X NO Installation of 2 garbage disposal

$$\begin{array}{r} 195 \\ 4 \\ \hline 780 \end{array}$$

156 ft
5780

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 195 sq. ft. per bedroom. 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 distribution box 110 feet from front lot line and 160 feet from left lot line as seen when facing the lot from Corina Court. Run trenches on contour toward the front 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. OK/SA

PLANS APPROVED BY S. Abel DATE 4/14/87

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 TRENCH(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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.

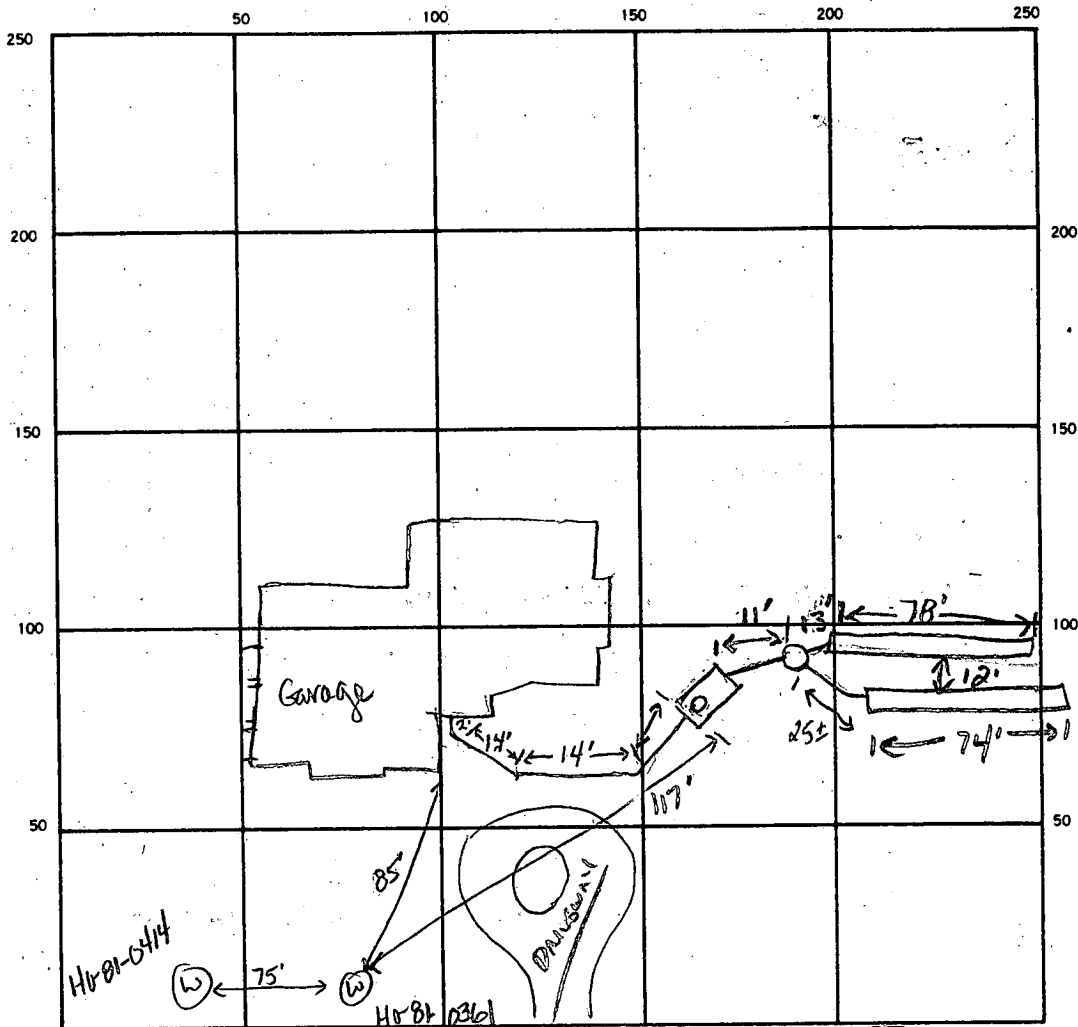
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

31568



INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE.

Conna Court

SEPTIC TANK LEVEL 2000 gal CLEANOUTS 1 ST

DISTRIBUTION BOX LEVEL OK w/ baffle

DRAIN FIELD/TILE FIELD. DEPTH 8.5 8.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 3 FT.

EFFECTIVE GRAVEL DEPTH 5.5 5.5 FT. TOTAL LENGTH 78 74 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 429 407 SQ. FT.

0	2
78	74
5.5	5.5
390	370
429	407

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

ABSORBENT AREA 836 SQ. FT.

REMARKS 1-14-88 OK to deepen trench to 9 ft. with inlet at 4 ft. DEN 1-14-88 OK to add stone, pipe & paper to trench #1 & #2. Can cover most of trench 1 if necessary for access. 1-22-88 OK to cover trench #2. Re-grout around distribution box where trench #2 line leaves it. Add left over stone to beginning of trench #2. OK to cover all work. DEN

DATE SYSTEM APPROVED 1-22-88 INSPECTOR Jane E. Madigan

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 31568

P _____

DISTRICT 5th

DATE 8/14/81

HOLD ↓

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

PROPERTY LOCATION:

SUBDIVISION La Isla LOT NO. 4

ROAD AND DESCRIPTION Cedar Lane 1,000 Ft. North of Intersection W/Rte. 32
6620 CORINA CT.

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 S. McEl FOR Treches/D.W. DATE 4-14-87

REJECTED BY _____ FOR BLDG. PERMIT SIGNED DATE _____
AND RETURNED 7-14-87

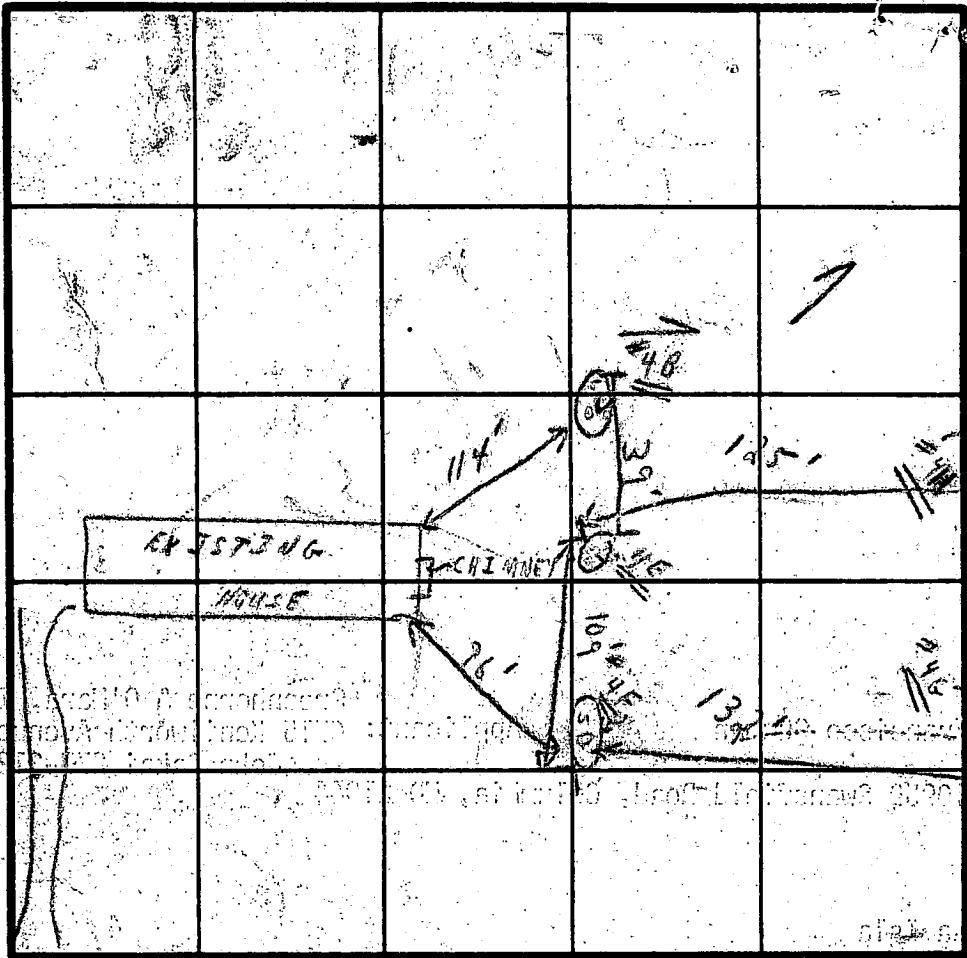
HOLD PENDING FURTHER TESTS _____
S. McEl DATE _____
BP# 11141

REASONS FOR REJECTION OR HOLDING 8/19/81 for sewage area to be redesigned;
initial #40 {hole} rock 3'-5' below original grades 8/21/81 Tests
in another area - hold - see back. C.B.D.
WATER WELL TO EXISTING HOUSE IS C.B.D. SEALED; COVERED &/OR DISCONNECTED
HOLD ↓ TIL EXISTING

THIS IS NOT A PERMIT

SOIL PROFILE

SEE EACH HOLE BELOW



FIELD SHEET
MILES
STARTED

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8/19/81	4 G	3'-8"	2:55	2:56	2:56	2:59	3 min	
8/21/81	4 C	8'-3" (SHELF TO BOTTOM 10" M)						
8/19/81	4 H	2 1/2'	3:00	3:01	3:01	3:03	2 min	
8/19/81	4 H	12'	(SHELF TO BOTTOM SANDY LOAM)					
8/19/81	4 F	2'	3:22	3:24	3:24	3:26	2 min	
8/19/81	4 F	4'-2"	(SHELF TO BOTTOM SANDY LOAM)					
8/19/81	4 B	1'	{ VISUAL 8/19/81 }					
8/19/81	4 B	1'	{ AS STATED }					
8/19/81	4 E S	3'	3:59	4:01	4:01	4:07	6 min	
8/21/81	4 F	2'-2"	(SHELF TO BOTTOM SANDY LOAM)					

SOIL FILE

1'-3" CLAY
3'-2'-3" SANDY LOAM
2'- CLAY
2'-3" LOAM
7'-12'
1'-2" CLAY
2'-9" SANDY LOAM
7'-12"
1'-3" CLAY
3'-14" SANDY LOAM
1'-3" CLAY
(SAND) LOAM

Unit
shall
2'-6" BELOW
OR 2' GRASSY
CBL

REMARKS

8/19/81 HOLD FOR REDESIGN/POSTALY
8/21/81 REDESIGNED TESTS IN DIFFERENT?

TYPE OF SOIL

TESTED BY

C.R.

ARR

ALSO PRESENT

JOHN OF ENGINEER
PHT + KELLUM

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

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

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DATE 8/14/81

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(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12/19/81 for coverage permit to be installed
instead of 40' area } rock 3'-5' below surface. ready 8/21/81 Tests
in another area - half-acre tank
C.R.P.

THIS IS NOT A PERMIT

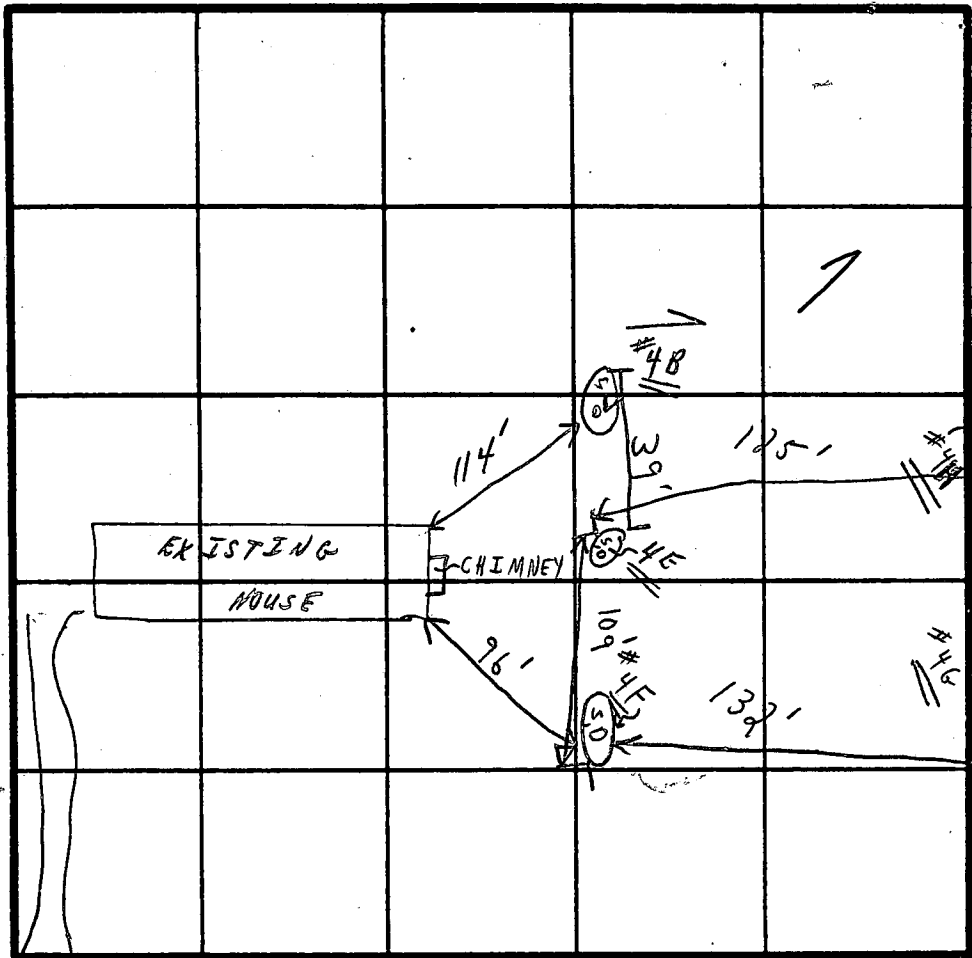
#4

SOIL PROFILE

SEE EACH HOLE BELOW



FIELD SHEET
HOLE HOLES
STAKED



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

CEDAR LANE

Recommend
Unit 3'
Shallow tests
3'-6' BELOW
= OPT. GRADE
C.B.R.
Unit 3'
4 min

SOIL PROFILE

	DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
				START	STOP	START	STOP	
1'-3' CLAY	8/21/81	4 G S	3'-8"	2:55	2:56	2:56	2:59	3 min
3'-8"-8'-3" SANDY LOAM	P.M.	4 G D	8'-3"	(SHELF TO BOTTOM LOAM)				
1'-2' CLAY 2'-2" LOAM TO 12'		4 H S	2 1/2'	3:00	3:01	3:01	3:03	2 min
		(L) 4 H D	12'	(SHELF TO BOTTOM SANDY LOAM)				
1'-2' CLAY 1' SANDY 2'-9" LOAM TO 12-3"		4 F S	2'	3:22	3:24	3:24	3:26	2 min
		4 F D	9'-12-3"	(SHELF TO: BOTTOM SANDY LOAM)				
1'-3' CLAY 3'-14' SANDY LOAM	8/19/81	4 B S	1'	{ VISUAL 8/19/81 }				
		4 B D	1'	{ AS STAKED }				
1'-3' CLAY (SANDY LOAM)		Use 4 E S	3'	3:59	4:01	4:01	4:07	6 min
		4 E D	3 1/2'	(SHELF TO BOTTOM SANDY LOAM)				
							4	13

REMARKS

8/17/81 HOLD FOR REDESIGN POSSIBLY

TYPE OF SOIL

8/21/81 { REDESIGNED TESTS IN DIFFERENT? } C.B.R.

TESTED BY

C.B.R.

AREA

ALSO PRESENT

JOHN OF ENGINEER
PHIL + KELLUM

B 1 SEQUENCE NO. (THIS SPACE IS PUNCHED IN COLS. ON ALL CARDS)

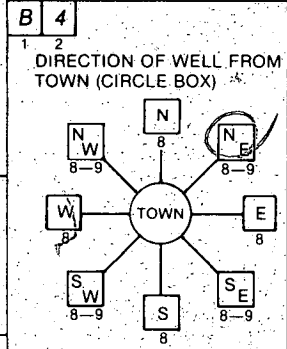
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

OEP PERMIT NUMBER
 HO-81-0281
 fill in this form completely

Date Received 082483
 OWNER INFORMATION
 COLLINGS TIMOTHY
 15 Last Name 34 Owner First Name
 36 2518 ANGELINA CIRCLE 55 Street or RFD
 57 COLUMBIA 70 State 72 Zip 76

B 3 LOCATION OF WELL
 1 2 HOWARD 8 COUNTY 21
 23 SUBDIVISION LA ISLA 42
 SECTION 44 46 LOT 4 48 50
 52 NEAREST TOWN SIMPSONVILLE 71
 MILES FROM TOWN (enter 0 if in town) 1 73 76 77 78

DRILLER INFORMATION
 GEORGE F. EASTERDAY 90
 Driller's Name License No. 80
 U. F. EASTERDAY, INC.
 Firm Name
 9265 Brown Church Rd. Mt. Airy, Md. 21771
 Address
 George F. Easterday 8/22/83
 Signature Date



CEDAR LANE 11 NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N
 WEST W 32 EAST E
 SOUTH S
 34 600 37 DISTANCE FROM ROAD
 ENTER FT or MI FT 38 39

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

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)

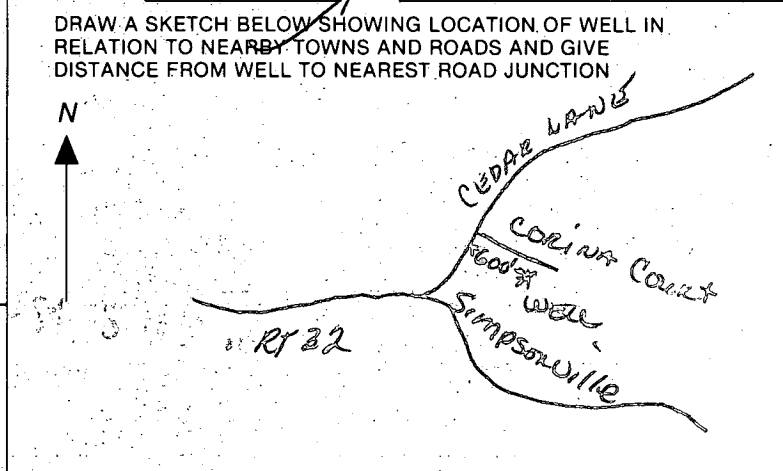
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 HOWARD COUNTY NAME
 A31568 COUNTY NO.
 OEP SIGNATURE STATE HEALTH INSERT S
 DATE ISSUED 083083 3/30/84
 CO SIGNATURE EXP. DATE
 NORTH GRID 494000 EAST GRID 0831000
 50 55 57 63

APPROXIMATE DEPTH OF WELL 200 24 28 FEET
 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. water yesterday
 3. well
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E 830 1
 N 490 4
 000 000

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 31 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
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER 54 GAP 63
 FORCE FS WRITE INITIALS IN BOX PERMIT No. HO-81-0281 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

SEQUENCE NO. (P USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

MD-81-0361

fill in this form completely

DO NOT BE PUNCHED IN COLS. 3-6 ON ALL CARDS

please print or type

1/9/84 9:30 A.M.

Date Received

8 13

OWNER INFORMATION

SHARMA INDER

15 Last Name Owner First Name 34

10073 SHARKER DRIVE

36 Street or RFD 55

COLUMBIA MD 21046

57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Joseph L. Magna 238

Driller's Name 77 License No. 80

Joseph L. Magna

5512 Ridge Rd Mt. Airy, Md.

Address

Joseph L. Magna Nov 28, 83

Signature Date

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

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
THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER GAP

FORCE INITIALS PERMIT NO. ES HO-81-0361

SPECIAL CONDITIONS

B 3

LOCATION OF WELL

HOWARD

8 COUNTY 21

LAZKA

23 SUBDIVISION 42

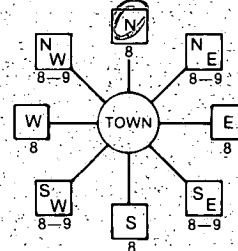
SIMPSONVILLE

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Corina Court

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

18 37

DISTANCE FROM ROAD ENTER FT or MI FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD A31568

COUNTY NAME COUNTY NO.

OEP SIGNATURE DATE ISSUED Frank Skovira 6/2/84

43 48 CO SIGNATURE EXP. DATE

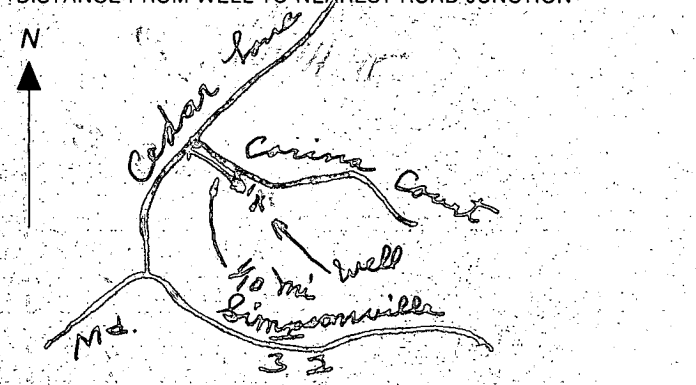
NORTH GRID 494000 EAST GRID 0831000

SOURCES OF DRILLING WATER 1 WELL 37 casing 32 open 8 bags cement

WRITE THE BOX NUMBER FROM THE MAP HERE

E 830 N 4904

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



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0361
 Location of property (road) Cornio Ct.
 Subdivision La Jolla Lot 4 Block Plat Sec.
 Well Driller Joseph Mayne Owner Jander Sharma
 Depth of well 320
 Distance of measuring point (M.P.) above ground 1'
 Static water level (S.W.L.) below M.P. 45'

I. High rate pumping -- reservoir drawdown
 Time pump started 8:00 Pumping rate 12 gal.
 Total time 30 min. to reach pumping water level 149 ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:15	185	5 min.		12
8:30	149	5		12
8:45	150	20		3
9:00	150	20		3
9:15	150	20		3
9:30	150	20		3
9:45	149	20		3
10:00	153	20		3
10:15	157	24		2 1/2
10:30	157	30		2
10:45	157	30		2
11:00	160	30		2
11:15	158	40		1 1/2
11:30	160	35		1 3/4
11:45	161	35		1 3/4
12:00	161	35		1 3/4
12:15	163	35		1 1/2
12:30	163	40		1 1/2
12:45	164	40		1 1/2
1:00	164	40		1 1/2
1:15	164	40		1 1/2
1:30	164	40		1 1/2
1:45	164	40		1 1/2
2:00	164	40		1 1/2

1-19-88
AM

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X Replacement _____
Receipt # 40829
Date 1-18-88
Name of Installer John Gaske Telephone 788-3289
License Number #3189
Certified Well Pump Installer _____ Well Driller _____ Registered Plumber X
Name of Property Owner MR & MRS. J. SHARMA Telephone 730-4585
Subdivision LA ISLA, Columbia Lot # #4 Well Tag # HO-81-0361
Site Address 16620 COPINA COURT

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible X
2. Make Myers
3. Model # _____
4. Capacity 3 GPM
5. Pump exceeds well capacity Yes _____ No X
6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors X Cable guards X Other TAPE

Motor
1. Horsepower 1/2
2. RPM 2
3. Voltage 230
a. 110 _____
b. 220 X

Pitless Adapter
1. Make _____
2. Model # ST 52-J 5/P
3. Depth _____

Tank
1. Capacity 82
2. Pressure relief valve? 75#

Piping
1. Type Big Blue
2. Size 1"
3. NSF and/or BOCA Code approved yes
4. Depth of supply line 280

Well data
1. Depth 300 ft.
2. Yield 3 GPM
3. Static water level 280 ft.
4. Will water supply be disinfected by installer? yes

1-19-88 WELL LINE AT 48" - PITLESS AT 78" - NO INSIDE WORK DONE

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

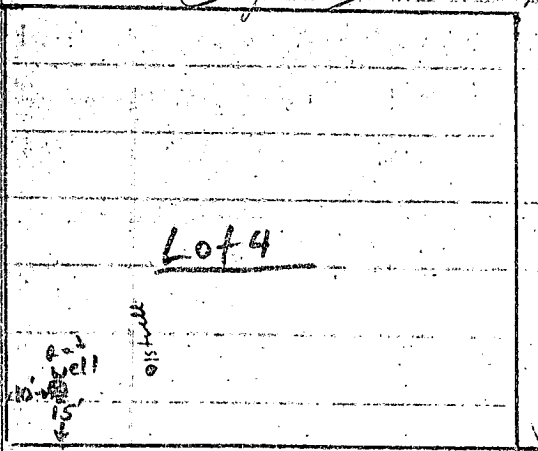
All information given above is true to the best of my knowledge.

Signature of Applicant: John Gaske
Date: 1-18-88

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

Would like well to left off property
line. Close to front.

LATSLA



CORINA Ct.

1/30/84
2nd Well site
OK
M.S.

B 1 3671

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

HO-81-0414

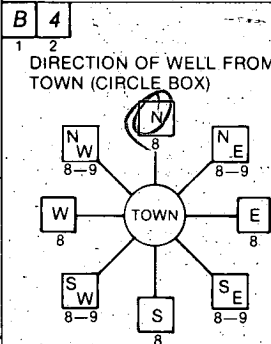
fill in this form completely

Date Received 2/9/84 1:30 AM.

OWNER INFORMATION: KLOPP, NIKOLAS, 10959 SWANSFIELD RD, COLUMBIA, MD 21044

LOCATION OF WELL: HOWARD COUNTY, LAISLA SUBDIVISION, SECTION 44, LOT 4, SIMPSONVILLE, 1/2 MILE FROM TOWN

DRILLER INFORMATION: Joseph L. Magna, 238 License No. 80, 5512 Ridge Rd. Mt. Airy, Md 21771, 1/30/84



CORINA COURT NEAR WHAT ROAD, 30 FEET DISTANCE FROM ROAD, ENTER FT or MI FF

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

- USE FOR WATER (CIRCLE APPROPRIATE BOX): HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY), FARMING, INDUSTRIAL, PUBLIC OR PRIVATE WATER COMPANY, TEST, OBSERVATION, MONITORING

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: HOWARD COUNTY, A-31568, DATE ISSUED 020684, CO SIGNATURE Fred Sherrin 8/6/84

APPROXIMATE DEPTH OF WELL 200 FEET

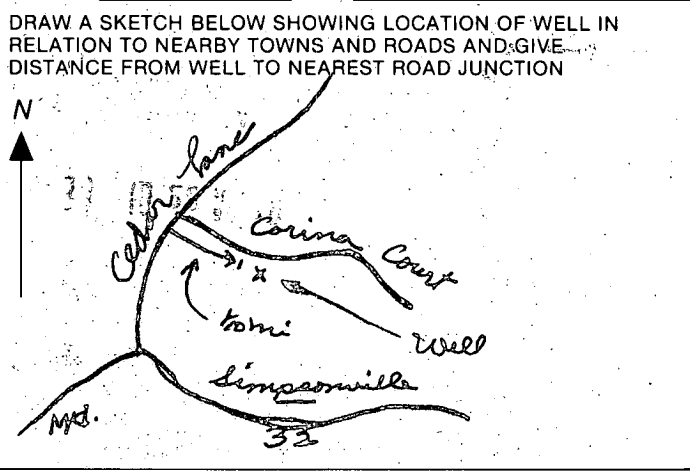
APPROXIMATE DIAMETER OF WELL 6 INCH

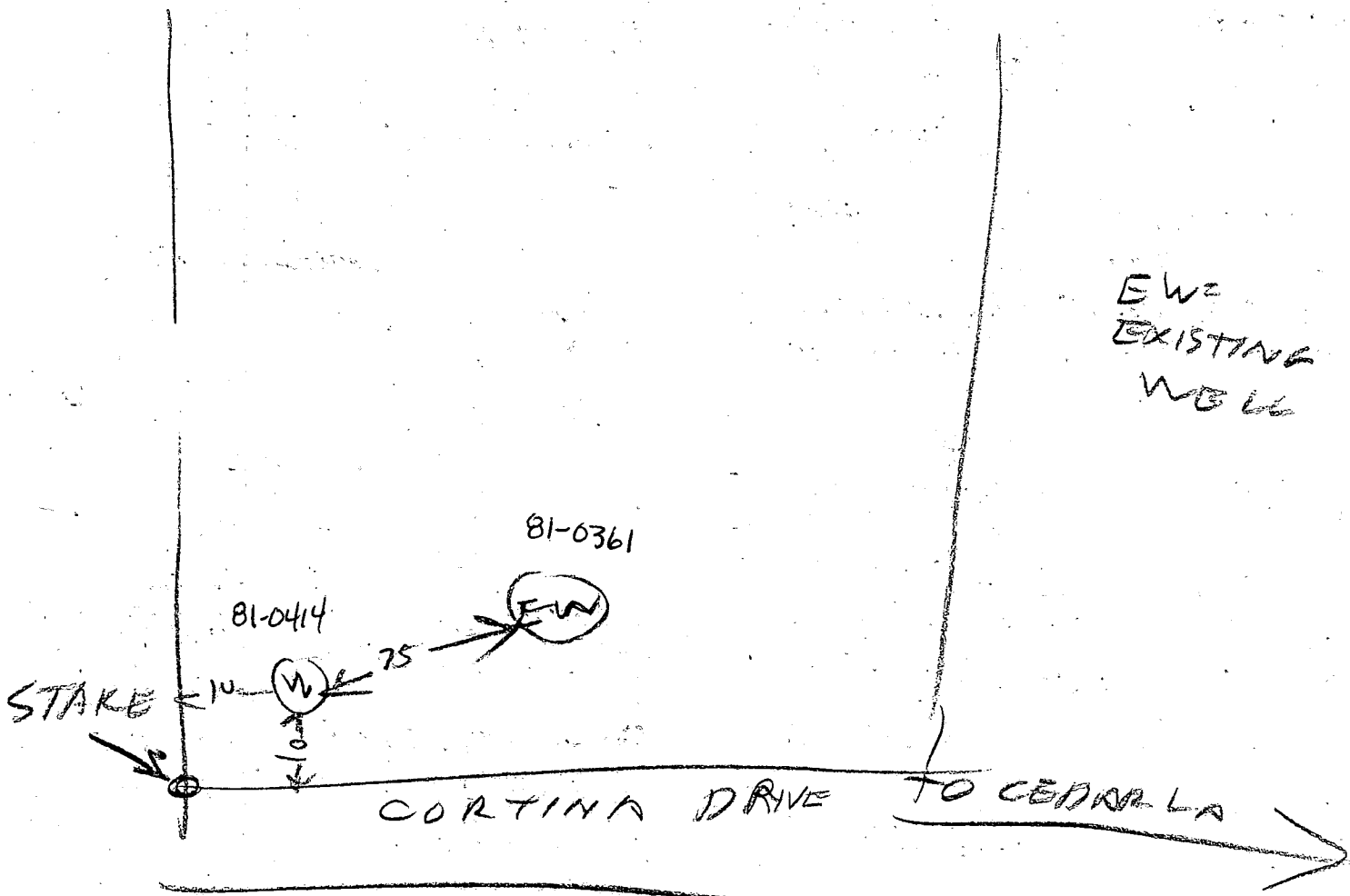
METHOD OF DRILLING (circle one): BORED (or Augered), JETTED, Jetted & DRIVEN, AIR-ROtary, AIR-PERcussion, ROTARY (Hydraulic Rotary), CABLE, REVERSE-ROtary, Drive-POINT

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, THIS WELL WILL DEEPEM AN EXISTING WELL

Not to be filled in by driller (OEP USE ONLY): APPROP. PERMIT NUMBER GAP, FORCE FS PERMIT No. HO-81-0414

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





- 2/9/84
- ① LOCATION OK
 - ② 30 FT CASING 2 FT OUT OF GROUND
 - ③ 24 FT OPEN HOLE MEASURED WITH A STRIPE
 - ④ 8 BAGS
 - ⑤ WELL OK

Raymond Hodge

C1 4494
 (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 31568**

DATE Received: [] [] [] [] [] [] [] []
 DATE WELL COMPLETED **020989**
 Depth of Well: **300** (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-81-0414**

OWNER **Klopp** last name **Nicolas** first name
 STREET OR RFD **Corina Court** TOWN **Simpsonville**
 SUBDIVISION **La Isla** SECTION [] LOT **4**

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	
Brown Shale	0	26	
Gray mica rock	26	300	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **8** NO. OF POUNDS **252**
 GALLONS OF WATER **48**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **24** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO** **PL** **OT**
 STEEL CONCRETE PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter **6** Total depth of main casing **30**
 top (main) casing (nearest inch) (nearest foot)

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

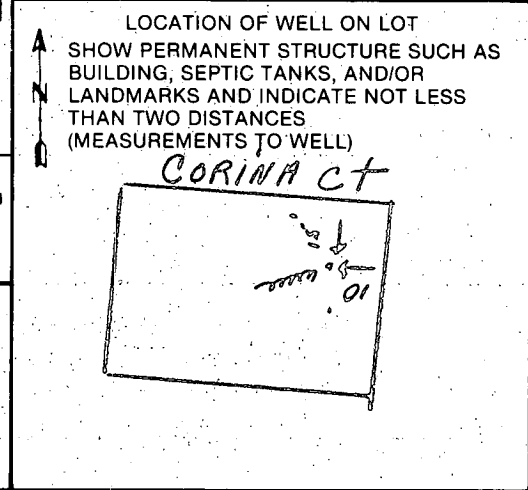
C2
 DEPTH (nearest ft.)
 1 **HO** 28 300
 2 [] [] [] [] [] [] [] []
 3 [] [] [] [] [] [] [] []
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN [] [] [] (NEAREST INCH)
 from [] to []

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
 70 [] 72 [] 74 [] 75 [] 76 []
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **6**
 PUMPING RATE (gal. per min. to nearest gal.) **3**
 METHOD USED TO MEASURE PUMPING RATE **bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **40** WHEN PUMPING **20**
 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: **NO**
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) [] [] [] [] [] []
 PUMP HORSE POWER [] [] [] [] [] []
 PUMP COLUMN LENGTH (nearest ft.) [] [] [] [] [] []
 CASING HEIGHT (circle appropriate box; and enter casing height) **+** above **-** below LAND SURFACE **2** (nearest foot)



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 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**
Joseph L. Moore
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0414
 Location of property (road) Corina Court
 Subdivision La Isla Lot 4 Block — Plat — Sec. —
 Well Driller Joseph Mayne Owner Nicolas Klopp

Depth of well 300
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 40'

I. High rate pumping -- reservoir drawdown

Time pump started 12:00 Pumping rate 15 gal.
 Total time 1:30 to reach pumping water level 207 ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill $\frac{1}{2}$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
12:15	116	4 sec.		15
12:30	202	5		12
12:45	203	20		3
1:00	203	20		3
1:15	203	20		3
1:30	207	20		3
1:45	207	25		2½
2:00	207	25		2½
2:15	207	25		2½
2:30	207	25		2½
2:45	207	25		2½
3:00	206	22		2¾
3:15	206	22		2¾
3:30	205	22		2¾
3:45	205	20		3
4:00	205	20		3
4:15	205	20		3
4:30	205	20		3
4:45	205	20		3
5:00	205	20		3
5:15	205	20		3
5:30	205	20		3
5:45	205	20		3
6:00	205	20		3

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

August 11, 1988

Mr. Inder Sharmar
10073 Shaker Drive
Columbia, Maryland 21046

RE: Well Permit Application
La Isla - Lot 4

Dear Mr. Sharmar:

On August 9, 1988 Mr. Dave Kerr of the Division of Residential Sanitation and I visited the above referenced property to review potential well sites. Your builder, Mr O'Connor, showed us around the property.

We were unable to establish any approvable well sites behind your house because of concerns about potential contamination from nearby septic reserve areas and from the influence of adjacent swales and drainage areas.

With Mr. O'Connor's assistance we confirmed that there are indeed two viable wells on the front part of the lot. Well HO-81-0361 (yield 1.5 gallons per minute) is connected to the house. Well HO-81-0414 (yield 2.5 gallons per minute) has not been put into service.

The capacity of the unused well would seem to be more than sufficient to provide the 500 gallon per day quantity requested in your current well application. If you are still uncertain about sufficient reserve capacity, either or both of the existing wells could be deepened to provide additional storage reservoir.

I would also like to take this opportunity to remind you of previous conversations in which you were advised that no wells would be allowed to sit unattended. Any well not put into service would be ordered abandoned and sealed. Additionally, due to nitrate-nitrogen content in excess of 10 parts per million, nitrate removal is required before either well can be approved as a potable supply.

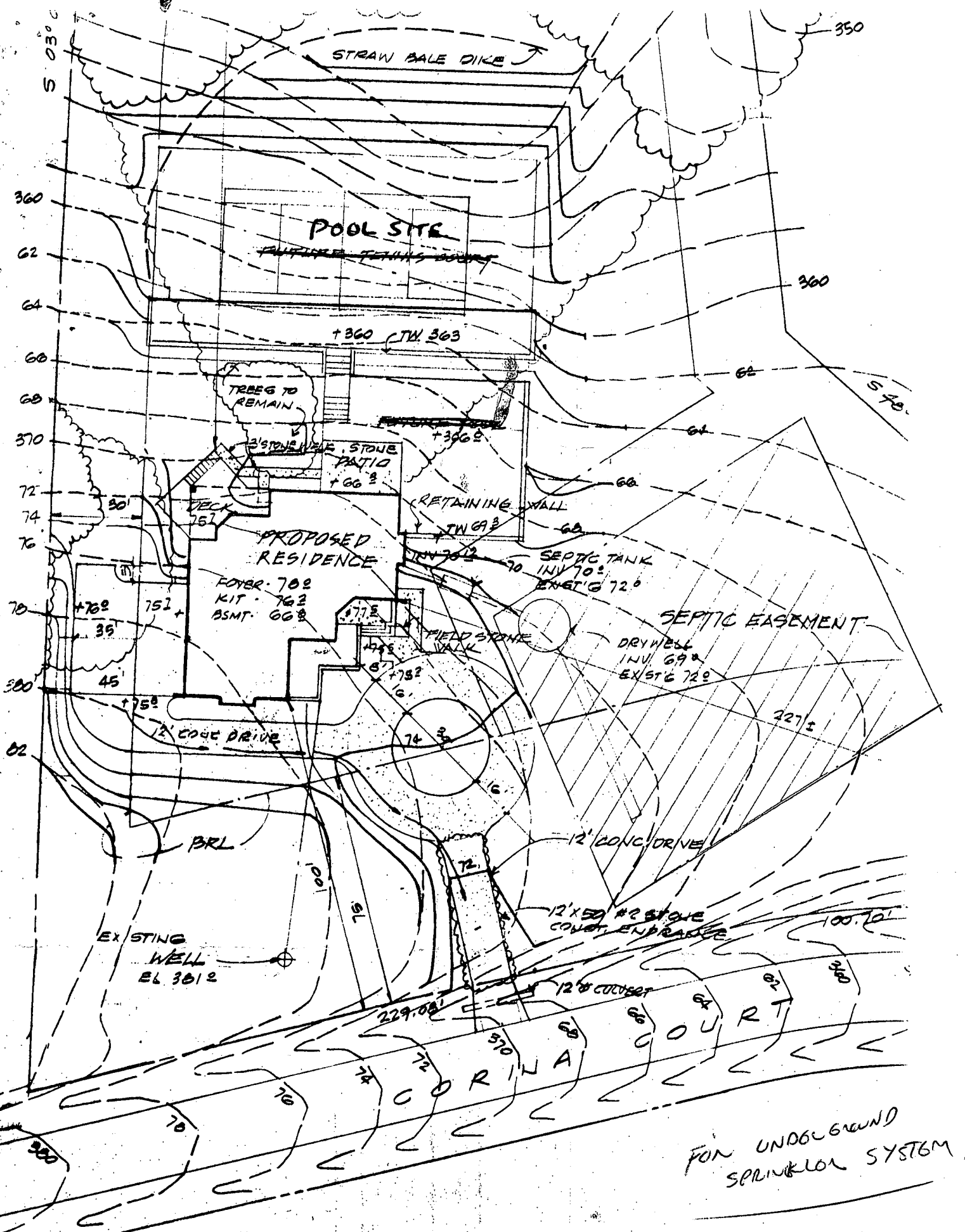
Please feel free to contact me at this office to discuss this matter further.

Very truly yours,

Craig Williams, Director
Water and Sewerage Program

CW:JR

cc: Dave Kerr
George Easterday



SITE PLAN

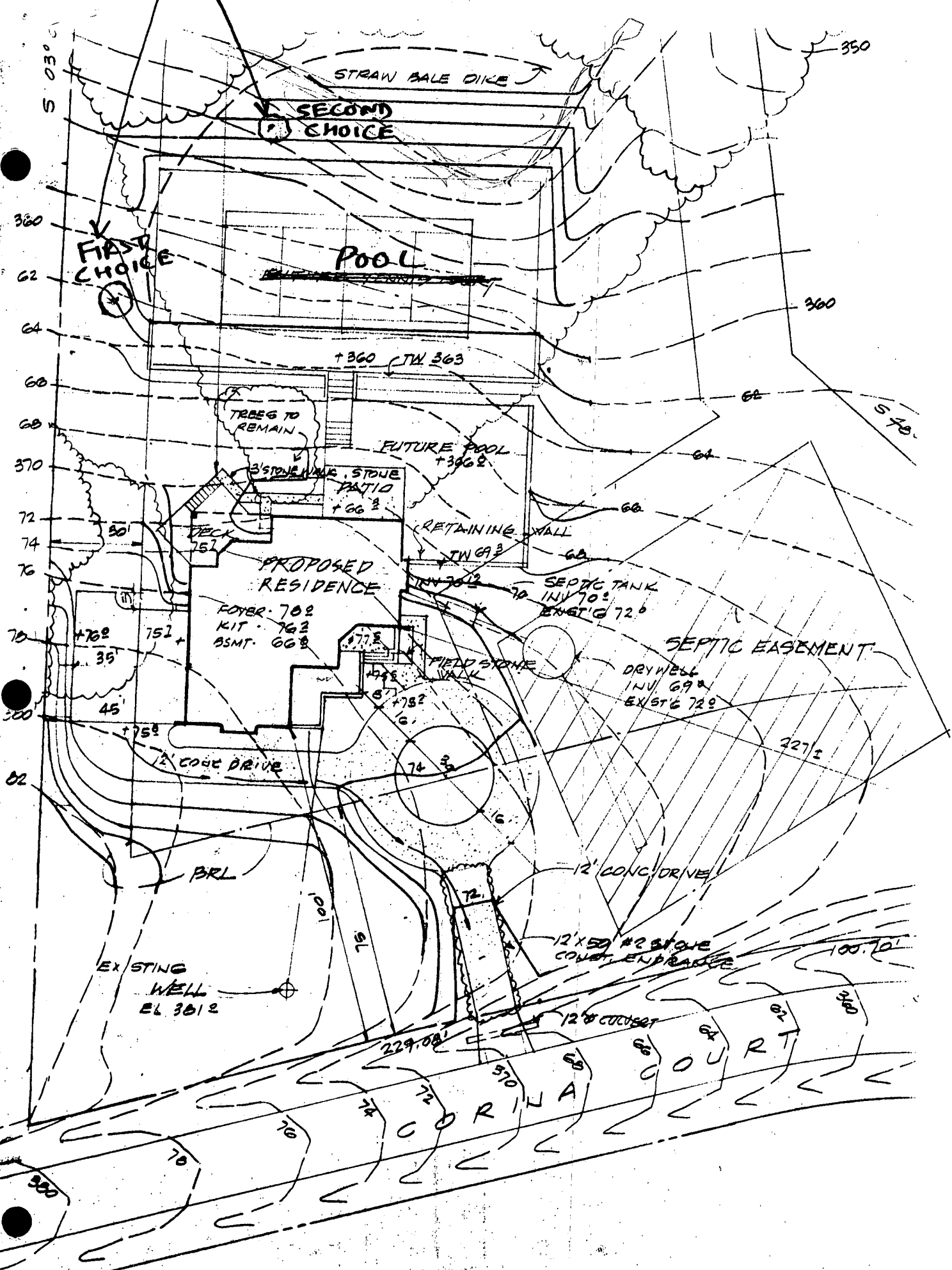
LOT 4 BLK A LA ISLA

1" = 30'.0"

FOR UNDERGROUND SPRINKLER SYSTEM,



PROPOSED
IRRIGATION
WELL LOCATIONS



SITE PLAN

LOT 4 BLK A LA ISLA

1" = 30'.0"



This area indicates a private easement of approximately 10,000 sq. ft. as required by the Maryland State Dept. of Health and Mental Hygiene for individual sewage disposal systems. Improvements of any kind in this area are restricted until public sewage is available and serving any residential structures constructed on this site. This easement shall become null and void upon connection to a public sewage system. *

Percolation test holes shown hereon have been field located and shown as "•".

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Dept. of Mental Health and Hygiene.

Percolation areas and water wells for adjoining lots will be shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems. Howard County Health Dept.

County Health Officer _____ Date _____

* The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

R.M. BERLIN AND S.L. KINGS

Approx. 100 yr floodplain 1.30 Ac.

CEDAR LANE

JOHN F. HORTON et ux

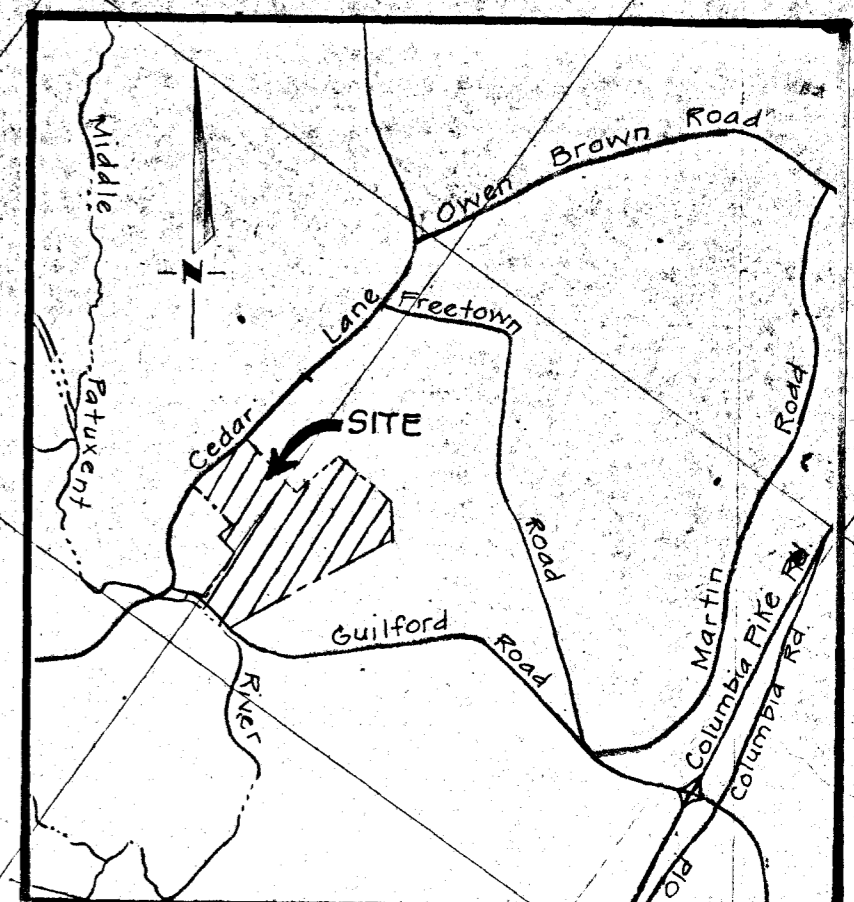
JOHN R. HOLBROOK

MAUDE M. HARRISON et ux

HOWARD E. BANKS Jr et ux

THOMAS P. PETERS et ux

JAMES W. MAXWELL et ux



VICINITY MAP 1" = 2000'

GENERAL NOTES

1. Boundary Survey by Greenhorne & O'Mara 3-3-81.
2. Aerial Photography by Greenhorne & O'Mara.
3. Area of public Right-of-Way = 2.25 Ac.
4. Area of dedicated Open Space = 1.30 Ac.
5. Total area of tract as computed is 44.3092 Ac.
6. Proposed number of Lots = 13.
7. Zoning - R; Minimum lot size 3.0 Ac.
8. All flood plain information obtained from U.S. Dept. of H.U.D. F.I.A. Maps.
9. = House = Septic tank
10. This plan is utilizing the 10% lot adjustment as established under Sec. 16.116 A, "Flood Plain Lot Adjustment"
11. Variance granted for street extension "VP-81-99"

LEGEND

- = Elev. of proposed house site
- = Well area
- = Septic area
- = Percolation test hole

SCALE: 1" = 100'

LA ISLA

WELL AND SEPTIC PLAN

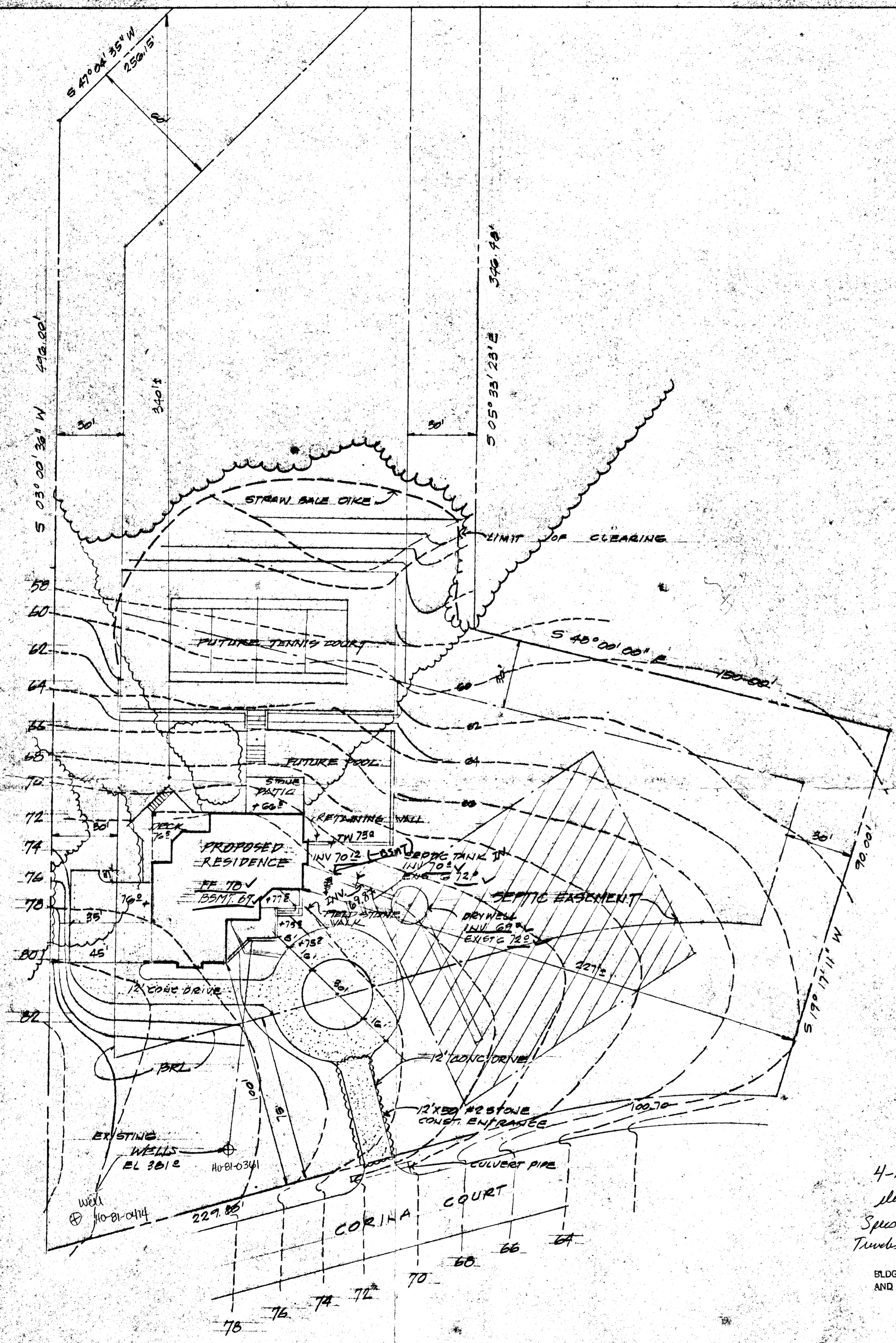


DATE 9/25/81
 FERDINAND C. PROVENI
 REGISTERED ENGINEER
 MD. REG. No. 4851

GREENHORNE & O'MARA, INC.
 ENGINEERS - ARCHITECTS - PLANNERS - SURVEYORS
 6715 KENILWORTH AVE., RIVERDALE, MD.

well site lot #9 lower

PRINTED SEP 25 1981 GREENHORNE & O'MARA, INC.



SITE PLAN 1" = 30'-0"

4-14-87
 Elevations of
 Specs can be either
 Trends or Day will
 BLDG. PERMIT SIGNED
 AND RETURNED 4/14-87
 SIGNED
 CPH/1141

PROCESSED
 HEALTH
 HEALTH

REVISIONS
 CRAIG L STEWART
 ARCHITECT
 5408 SMOOTH MEADOW WAY
 BALTIMORE, MARYLAND 21244
 BALTIMORE, MARYLAND 21244
 TEL: 866-9233 FAX: 866-587-3000

THE SHARMA RESIDENCE
 LOT 4 LA. ISLA SUBDIVISION COLUMBIA MD
 SITE PLAN



JOB NO. 12-86
 DATE 12-87
 SHEET 1
 OF 11

NOT FOR CONSTRUCTION