

3/30/87
Approved
S. Abel

House Connected 10/20/86
10/20/86

PERMIT

P 37909
A 29155

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

03-308960
INDEXED

ELLICOTT CITY
DISTRICT 3rd
DATE 10/20/86

B & B MECHANICAL IS PERMITTED TO INSTALL XX ALTER

ADDRESS _____ PHONE _____

SUBDIVISION SUNSET VALLEY ROAD 983 SUNSET VALLEY DR. LOT #1, Sec. 2

PROPERTY OWNER CASSERLY

ADDRESS 7516 HARFORD RD. B. MD. 21234

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

GARBAGE GRINDER? YES _____ NO XX

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

PLACE THE DISTRIBUTION BOX 245' FROM THE FRONT (250') LOT LINE AND 40' FROM THE
LEFT (617') LOT LINE AS SEEN FROM SUNSET RD. RUN TRENCHES ON CONTOUR TOWARD
RIGHT SIDE OF LOT.

TRENCHES -- 210'SQ. PER. BEDROOM. TRENCH TO BE 2' WIDE. INLET MAX. 5' FEET BELOW ORIGINAL
GRADE. BOTTOM MAX. DEPTH 9' BELOW ORIGINAL GRADE. 4 FEET OF STONE BELOW DIST-
ribution pipe.

BUDG. PERMIT SIGNED
AND RETURNED 8/5/94
Serial # 55706
Ingwald P.M.

PLANS APPROVED BY S. ABEL DATE 5-9-86

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.

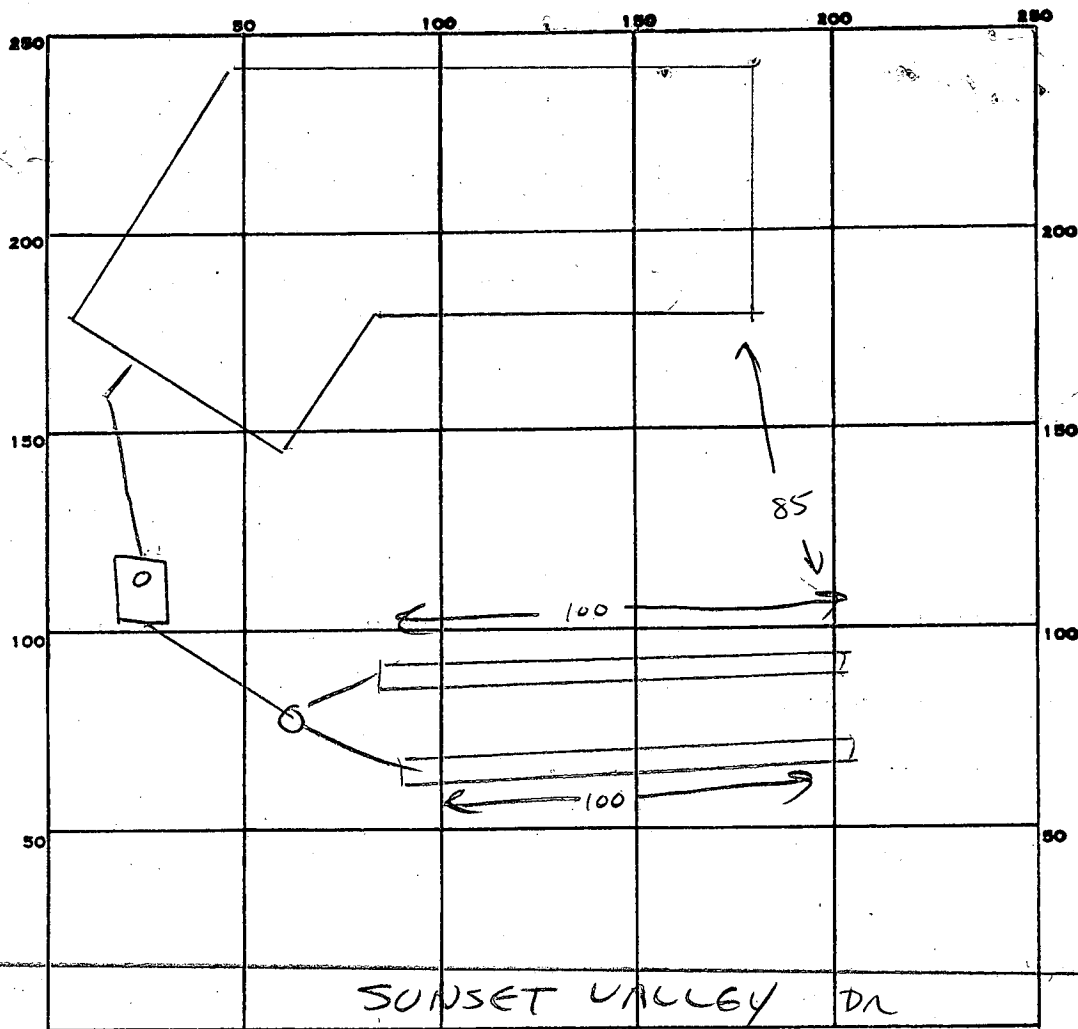
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA. OR
PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED

BP. # 71004
BUDG. PERMIT SIGNED
AND RETURNED 11/15/86
Serial # 22436
P.M.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

A 29155



PERMIT CARD ☒

SEPTIC TANK, LEVEL ☒

CLEANOUTS ST - MAIN HOLE

DISTRIBUTION BOX, LEVEL ☒

TILE FIELD, DEPTH 8 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 4 FT. 3 FT EFFECTIVE IN. TOTAL LENGTH 210 FT.

NUMBER OF TRENCHES 2 (105+105) ONE SIDEWALL TOTAL BOTTOM AREA 630

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

ABSORBENT AREA 630 SQ. FT.

REMARKS HOUSE CONNECTION REQ'D - OK TO COVER ALL ELSE 10/24/86 CW

DATE SYSTEM APPROVED

3-30-87

INSPECTOR

S. Abel

SUBDIVISION: SUNSET VALLEY Sec. 2LOT NUMBER: 1DRY WELL OR DRY WELL AND TRENCH

	<u>Septic Tank</u>	<u>sq. ft./bedroom</u>
3 bedroom	1000 gallon	<u>Minimum Total square Feet</u>
4 bedroom	1250 gallon	
5 bedroom	1500 gallon	

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES210 sq. ft./bedroomTrench to be 2 wide.Inlet 5 feet below original grade.Bottom maximum depth 9 feet below original grade.Effective area begins at 5 feet below original grade.4 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: PLACE THE DISTRIBUTION BOX 245 FT FROM THE FRONT (250.54')
LOT LINE AND 40 FT FROM THE LEFT (617.55') LOT LINE AS
SEEN WHEN FACING THE PROPERTY FROM SUNSET VALLEY DR. ROW
TRENCHES IN CONTOUR TOWARD RIGHT SIDE OF LOT. S. AND 6-13-86

B.P. # 71004

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

A 29155

P _____

DISTRICT 3RD

DATE 10/12/78

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 ~~VIRGINIA M. GARRATT~~ CASSERLY

ADDRESS FORSYTHE ROAD SYKESVILLE, MD. 21784 PHONE 301-442-2262

PROPERTY LOCATION:

SUBDIVISION SUNSET VALLEY LOT NO. New #1 11/14/80 Plot

983
ROAD AND DESCRIPTION SUNSET VALLEY DRIVE

SIZE OF LOT 3.0 AC. ± TYPE BLDG. SINGLE FAMILY RESIDENCE

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.

SIGNATURE OF APPLICANT Bruce D. Bunte

APPROVED BY Raymond Hodge FOR TRENCH DATE 2/17/83

REJECTED BY _____ FOR _____ DATE _____

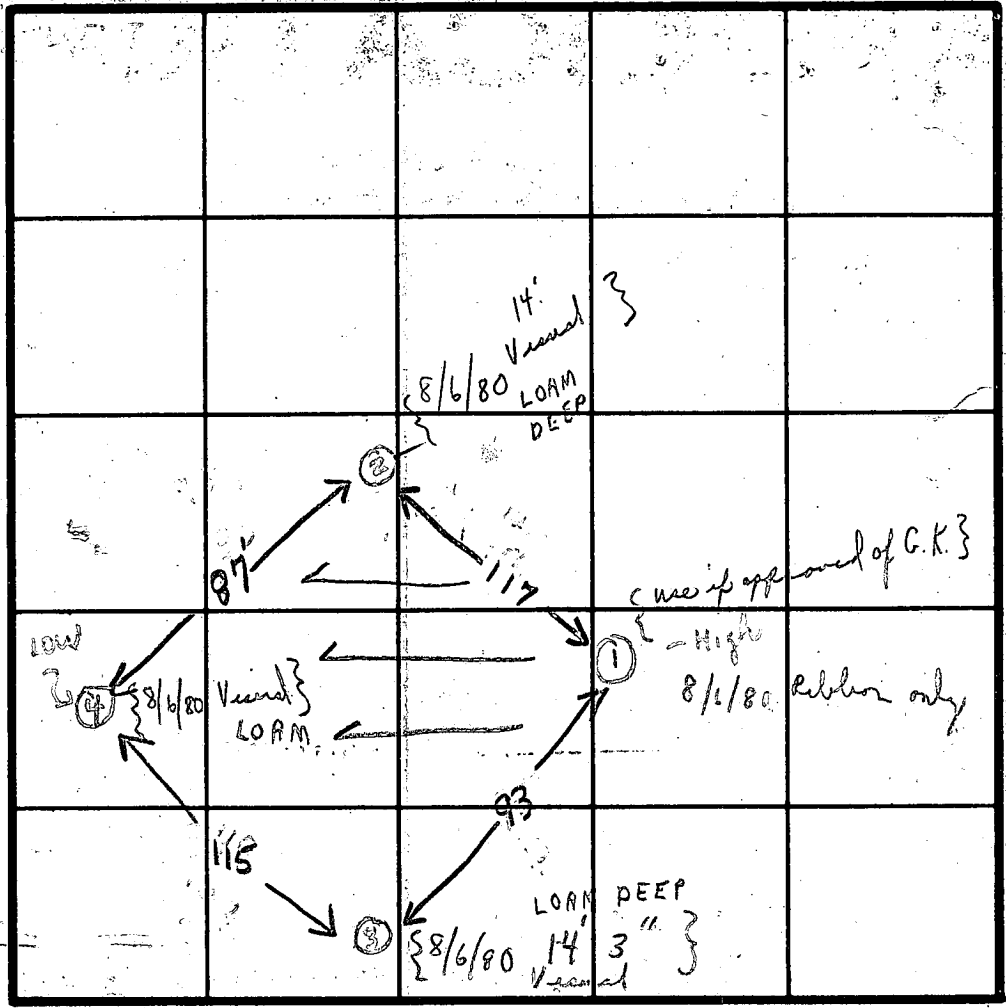
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING B.P. # 71004

THIS IS NOT A PERMIT

New #1

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DAY ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/15/80	1S	5'	952	1008	1008	1028	20
	1D - HIGH	13'	952	959	959	1008	9
	2S	6	1000	1016	1016	1030	14
	2D	12 1/2	VISUAL	SIMILAR			
	3S	5'	955	1008	1008	1026	18
	3D	13 1/2	955	1000	1000	1019	10
	(4S) - LOW	5 1/2	957	1027	3/4"		fails
	4D	13 1/2	958	1015	1015	1033	18
	4m	6 1/2	1050	1105	1105	1128	23
							21/12
8/6/80	Visual & Agg. Holes 3	14' 3"	LOAM DEEP (One by one take)		per Mr. Crovo checked		
C.B.S.	G.K. Hole #4	14' 6"	LOAM	DEEP			
	G.K. Hole #2	14'	LOAM	DEEP			

FIELD SHEET

4' inlet
good road
@ 5'

16 min
= average
FIELD SHEET

REMARKS Variable clay layer Tests 1 & 3 staked - open field - 3 located near front

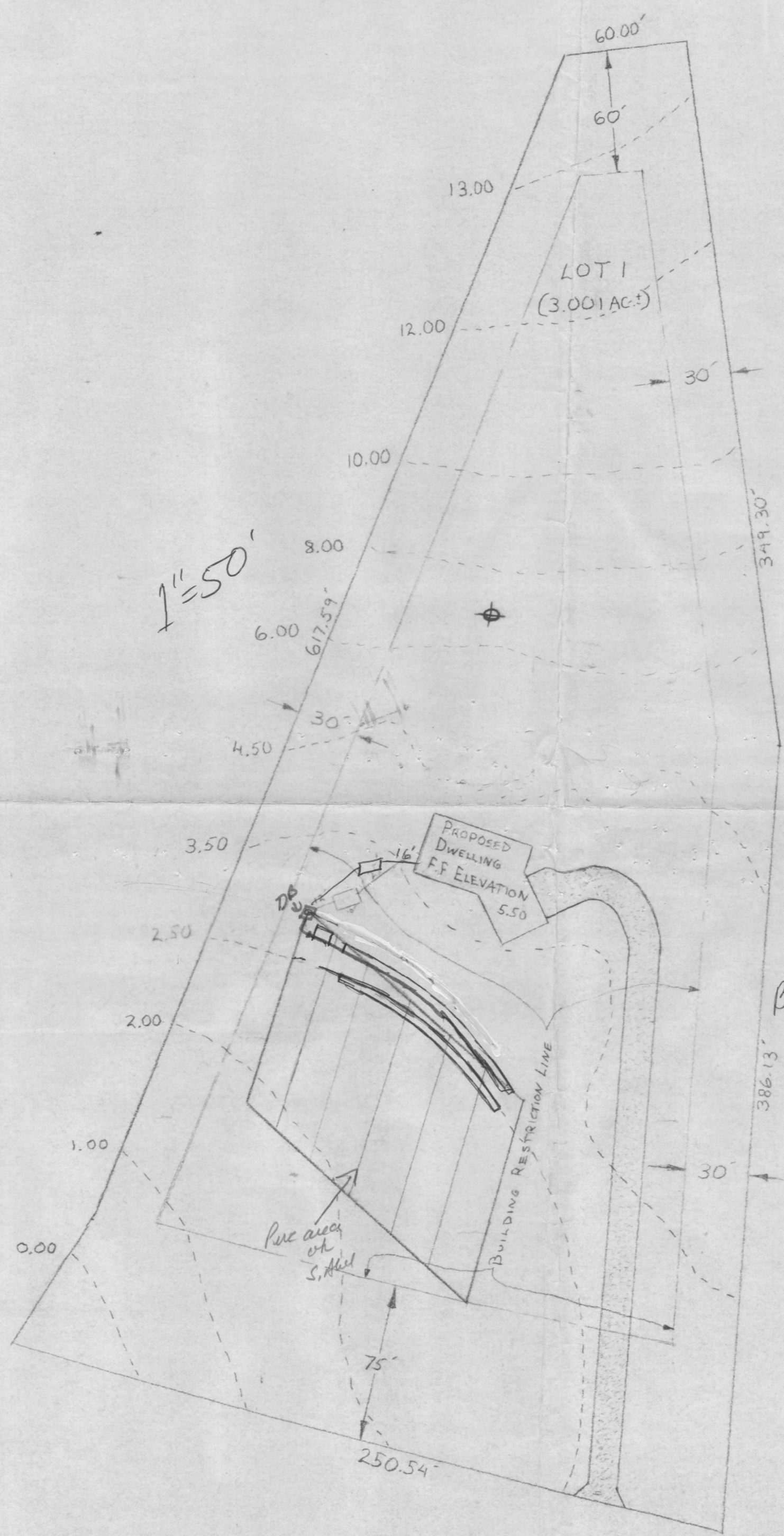
TYPE OF SOIL Silty loam below clay layer (with sand)

TESTED BY (GK) + RD

ALSO PRESENT

8/6/80 SC. CROVO
WALTER DIGGER

RECEIVED
HOWARD COUNTY
HEALTH DEPT.
MAY 5 10 20 AM '86
DIVISION OF
ENVIRONMENTAL
HEALTH



ELEVATIONS:

FIRST FLOOR	5.50 ✓
SEWER OUTLET HOUSE	3.00 ✓
BASEMENT FLOOR	-2.50 ✓
SEPTIC TANK INVERT IN	1.50 ✓ 2.6
SEPTIC TANK INVERT OUT	1.00 ✓ 2.35
X DRYWELL INVERT IN	.50 ✓
TRENCH WELL	3.00
GRADE AT TRENCH	

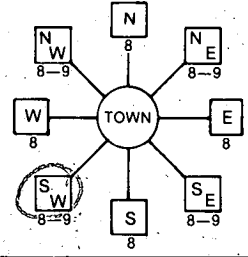
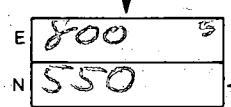
B.P. # 71004
Cassidy

TRENCHES
5-9
210" Ø BR
3 BR House
210 FT TRENCH REQUIRED
2(105')

well 6/7.5.

2104
840
210

TOLERANCES (EXCEPT AS NOTED)	REVISIONS			MAC CORP.	SITE PLAN	
	NO.	DATE	BY			
DECIMAL	1			983 SUNSET VALLEY DRIVE		
±	2					
FRACTIONAL	3			DRAWN BY DW	SCALE 1"=50'	MATERIAL
±	4			CHK'D	DATE 4-21-86	DRAWING NO.
ANGULAR	5			TRACED	APP'D	1011
±						

B 1 1442 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND <i>2nd</i> PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER 42-81-0665 fill in this form completely
Date Received 8/10/84 2303P2 OWNER INFORMATION KARFONTA CHARLES 21 CHRYSLER PLACE CATONSVILLE MD 21228 Town State Zip		B 3 LOCATION OF WELL HOWARD 8 COUNTY SUNSET VALLEY 23 SUBDIVISION SECTION 2 LOT I SYKESVILLE 52 NEAREST TOWN MILES FROM TOWN (enter 0 if in town) 2 MI	
DRILLER INFORMATION Ralph Mayne Driller's Name Ralph Mayne (well Drilling) Firm Name 9120 Brown Church Rd. Mt. Airy Address Ralph Mayne Signature Date 8/19/84 77 License No. 873		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  NEAR WHAT ROAD SUNSET VALLEY DR. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH DISTANCE FROM ROAD 325 ENTER FT or MI FF	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME A 29155 COUNTY NO. OEP SIGNATURE DATE ISSUED 080984 CO SIGNATURE EXP. DATE 2/9/85 NORTH GRID 550000 EAST GRID 0805000	
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)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE 	
APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE REVERSE-ROTary Drive-POINT other		REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY ☐ THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)	
Not to be filled in by driller (OEP USE ONLY)			
APPROP. PERMIT NUMBER GAP FORCE 1W WRITE INITIALS IN BOX PERMIT No. 42-81-0665 SPECIAL CONDITIONS			

Page 1 of 1
Date August 10, 1984

Review H 9713

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0665
 Location of property (road) Sunset Valley Drive
 Subdivision Sunset Valley Lot 1 Block Plat Sec. 2
 Well Driller Ralph Maune Owner Charles Kartonta

Depth of well 160
Distance of measuring point (M.P.) above ground 2
Static water level (S.W.L.) below M.P. 35

I. High rate pumping -- reservoir drawdown

Time pump started 12:30 Pumping rate 9
Total time 15 min to reach pumping water level 40 ft. below M.P.

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

[illegible]

C1 4543	SEQUENCE NO. (OEP USE ONLY)	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.
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		COUNTY NUMBER A29155	

DATE Received	DATE WELL COMPLETED	Depth of Well	PERMIT NO.
8 13	081084	22 160 26 (TO NEAREST FOOT)	FROM "PERMIT TO DRILL WELL" 40-81-0665
OWNER KARFONTA last name		CHARLES first name	
STREET OR RFD		TOWN	
SUBDIVISION SUNSET VALLEY		SECTION 2	LOT 7

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 FROM TO	Check if water bearing
Top Soil	0 2	
Sandy	2 65	
Sand Stone	65 70	✓
Mickn	70 75	
Sand Stone	75 85	✓
Mickn	85 160	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
YES 44	NO 44
TYPE OF GROUTING MATERIAL	
CEMENT CM	BENTONITE CLAY BC
NO. OF BAGS 13 NO. OF POUNDS 1300	
GALLONS OF WATER 28	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0 48 TOP 52 ft. to 50 54 BOTTOM 58 ft. (enter 0 if from surface)	

CASING RECORD	
casing types insert appropriate code below	ST CO STEEL CONCRETE
	PL OT PLASTIC OTHER
MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)	
PL 6 77	
60 61 63 64 66 67 70	

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

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

C2	
DEPTH (nearest ft.)	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	
SLOT SIZE 1 2 3	
DIAMETER OF SCREEN (NEAREST INCH)	
56 60	

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. 223
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Raph E. Mayne
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
T (E.R.O.S.)	WQ
70 72	74 75 76
TELESCOPE CASING	LOG INDICATOR
OTHER DATA	

C 3		
PUMPING TEST		
HOURS PUMPED (nearest hour) 3		
PUMPING RATE (gal. per min. to nearest gal.) 9		
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 35	
PUMP HORSE POWER 37 41	
PUMP COLUMN LENGTH (nearest ft.) 43 47	
CASING HEIGHT (circle appropriate box and enter casing height)	
+ above } LAND SURFACE (nearest foot) 2	
- below }	

LOCATION OF WELL ON LOT	
SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)	
Diagram showing well location on lot with distances 25' and 325'.	

77 Pt PL - 13 bags

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

PUMP INSTALLATION

THE FOLLOWING STATEMENT MUST BE COMPLETED BY THE HOME OWNER
WHEN A PUMP IS INSTALLED BY A PERSON OTHER THAN THE WELL
DRILLER:

My well driller is not to install the pump for my water well, and I
hereby certify that it will be my responsibility to have a Pump Permit
taken out by a registered master plumber or certified pump installer.
It will be my responsibility to notify the Health Department before
and during the installation so that inspections can be made by their
representative. (Pursuant to Chapter XVII, of the Plumbing Code of
Howard County.)

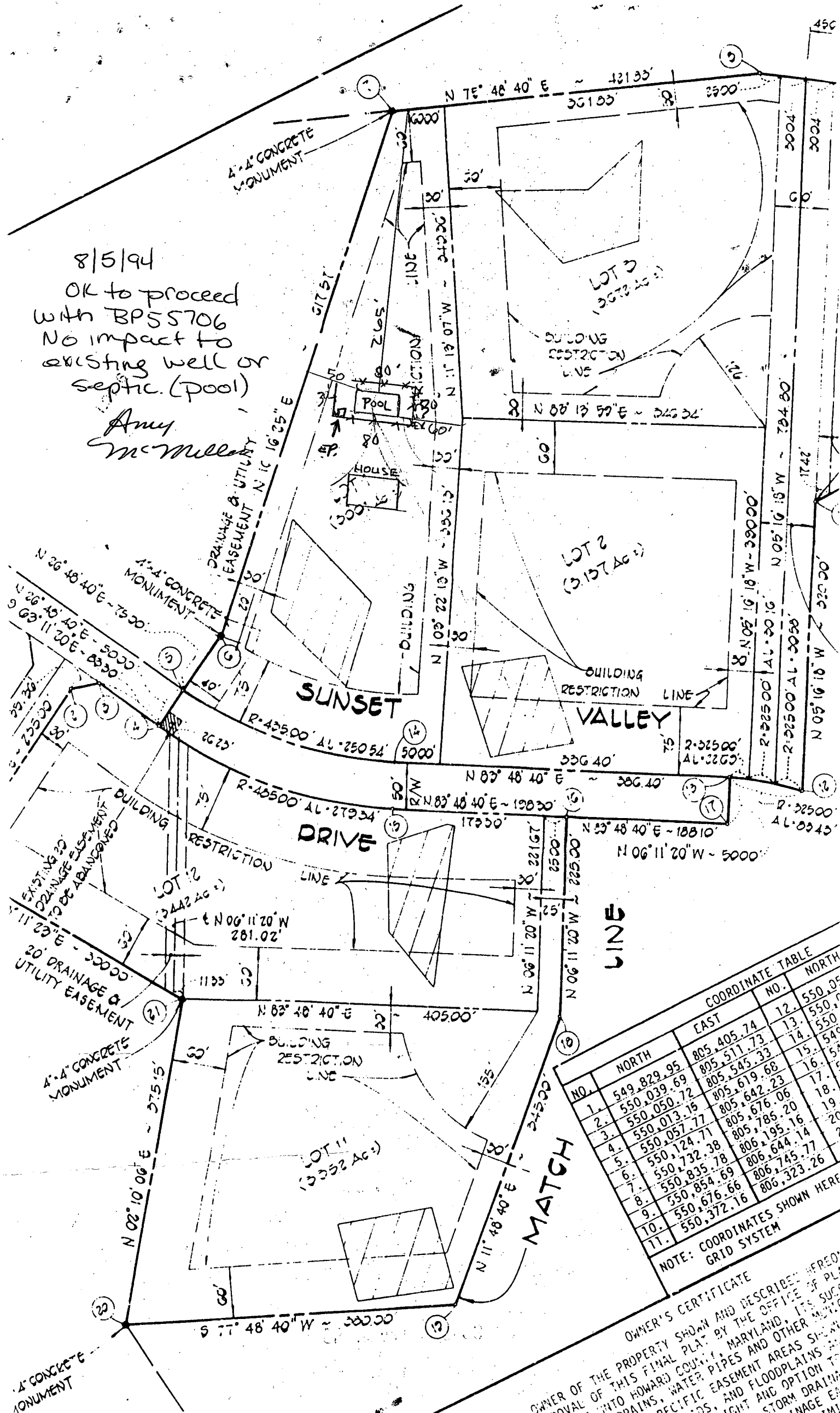
Car J. [Signature]
(Name) SSU LOT 1

21 CHRYSLER PLACE BALTO. MD 21228
(Address)

H0-81-0665
(OEP Well Permit Number)

8/22/84
(Date)

Amy
McMullen



COORDINATE TABLE		
NO.	NORTH	EAST
1.	549,829.95	805,405.74
2.	550,039.69	805,511.73
3.	550,050.72	805,545.33
4.	550,013.15	805,619.68
5.	550,057.77	805,642.23
6.	550,124.71	805,676.06
7.	550,732.38	805,786.20
8.	550,835.78	806,195.16
9.	550,854.69	806,644.14
10.	550,676.66	806,745.77
11.	550,372.16	806,323.26

COORDINATES SHOWN HERE
IN UTM SYSTEM

[illegible]