

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

05-407184/14/90(2)P.C.O
C.B.A.

P 50624B

A 38574

DISTRICT 5th

DATE 4/4/95

DATE SYSTEM APPROVED 12/14/90

INSPECTOR C.B.A.

INDEXED

Jack Fyock Septic Service

IS PERMITTED TO INSTALL ☐ ALTER ☒

ADDRESS _____ PHONE 988-9270

SUBDIVISION Twelve Hills LOT 15 ROAD 13021 Twelve Trees Court

PROPERTY OWNER Stephen Forthuber

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210

TRENCHES - 210sq. ft. per bedroom. Trench to be 2.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 4.0 feet of stone below distribution pipe.

LOCATION - Beginning at the front left lot corner as seen when facing the lot from the pipe stem, place the distribution box 245 feet down the left (656.2') lot line and 90 feet off the same lot line. Run trenches on contour toward the right (350.39') and left (656.2') lot lines. Maintain a minimum of 100 feet from the well.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 10-11-90 JEN

PLANS APPROVED BY Jane Nadeau cm DATE 10/03/90

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

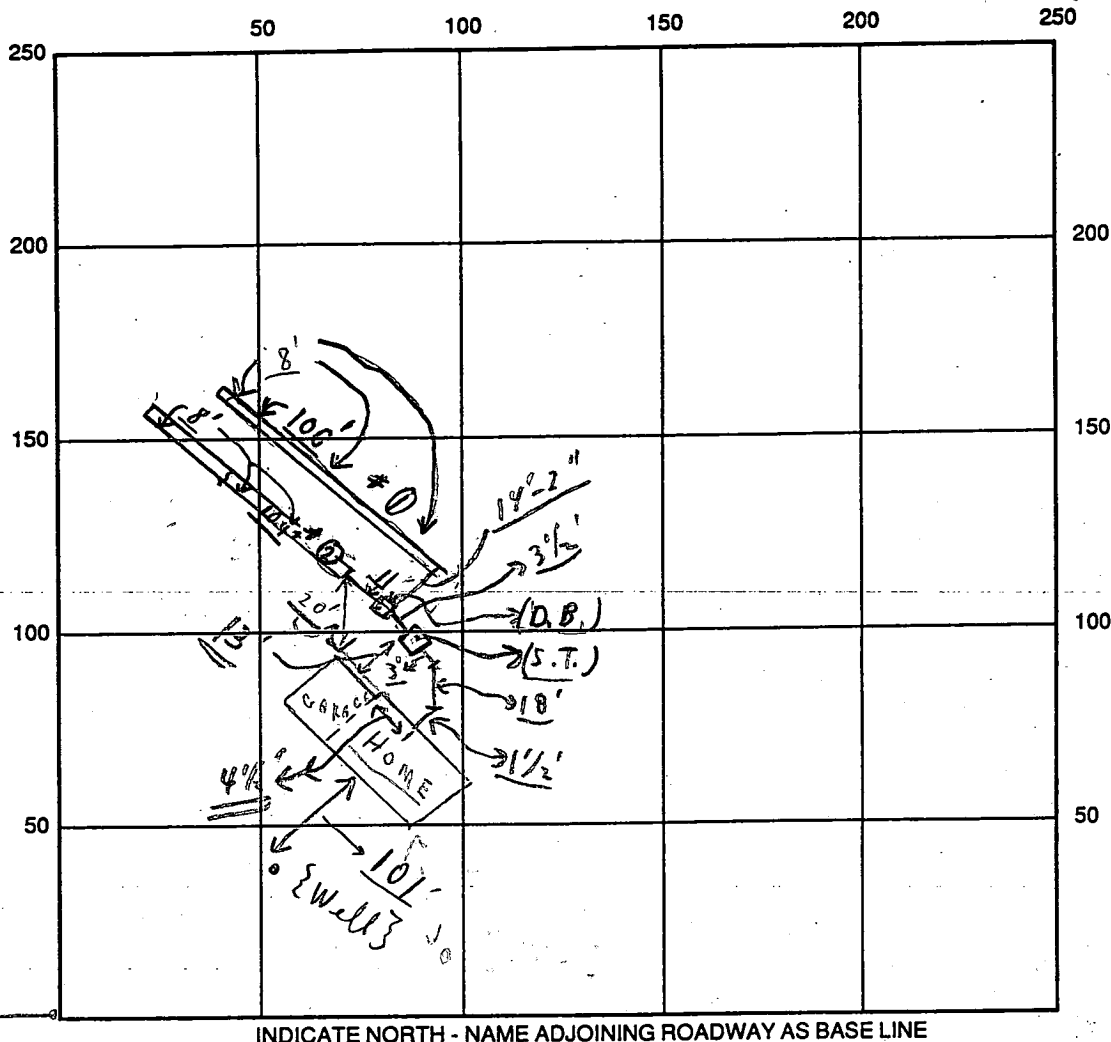
PERMIT VOID AFTER TWO YEARS

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.

A 38574



SEPTIC TANK LEVEL OK CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK (Baffle is in)

DRAIN FIELD/TITLE DEPTH ^① 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH ^② 4 FT. TOTAL LENGTH ^① 106' ^③ 104' ± 210' +

NUMBER OF TRENCHES 2 ONE SIDEWALL/ ~~SOIL~~ BOTTOM AREA 840⁺ SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 840⁺ SQ. FT.

DISTRIBUTION BOX LEVEL OK (Baffle is on)

DRAIN FIELD/TITLE DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH $\frac{106'}{104' \pm}$ FT. 210' +

NUMBER OF TRENCHES 2 ONE SIDEWALL/ BOTTOM AREA 840⁺ SQ. FT.

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

ABSORBENT AREA 840⁺ SQ. FT.

REMARKS: P.M. 12/14/90 (1) Partial ok for stone in #1 trench only.

P.M. 12/14/90 (2) Partial of 1st cover #0 trench except last 3'± and all pipes from house to dist. bot. only ok for stone in #2 trench first half only;

LATE P.M. 12/14/90 ③ ②nd trench dug out & stored over $\frac{1}{2}$ material

OK TO COVER AS FINISH - BAD WEATHER ^{SAW} 2 TRUCKS COMING IN ^{AND} COMING WEEKEND

DATE SYSTEM APPROVED 12 / 14 / 90 INSPECTOR Charles Byron, Thea

4 No W. P. I. yet.

APPLICATION

PERCOLATION TESTING

A 38574

P _____

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

DISTRICT 5

DATE 12/17/86

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 Altogether Limited Partnership
ADDRESS 10176 Baltimore National Pike Suite 210 PHONE 465-5855

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE Final lot 15 sec 2

PROPERTY LOCATION: 13021 Twelve Trees Court
NEH T. (April?)

SUBDIVISION Altogether LOT NO. 78

ROAD AND DESCRIPTION Linden Church Rd + Rt 32

TAX MAP 28 PARCEL # 66

SIZE OF LOT 4 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.

Mal S. Keil
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

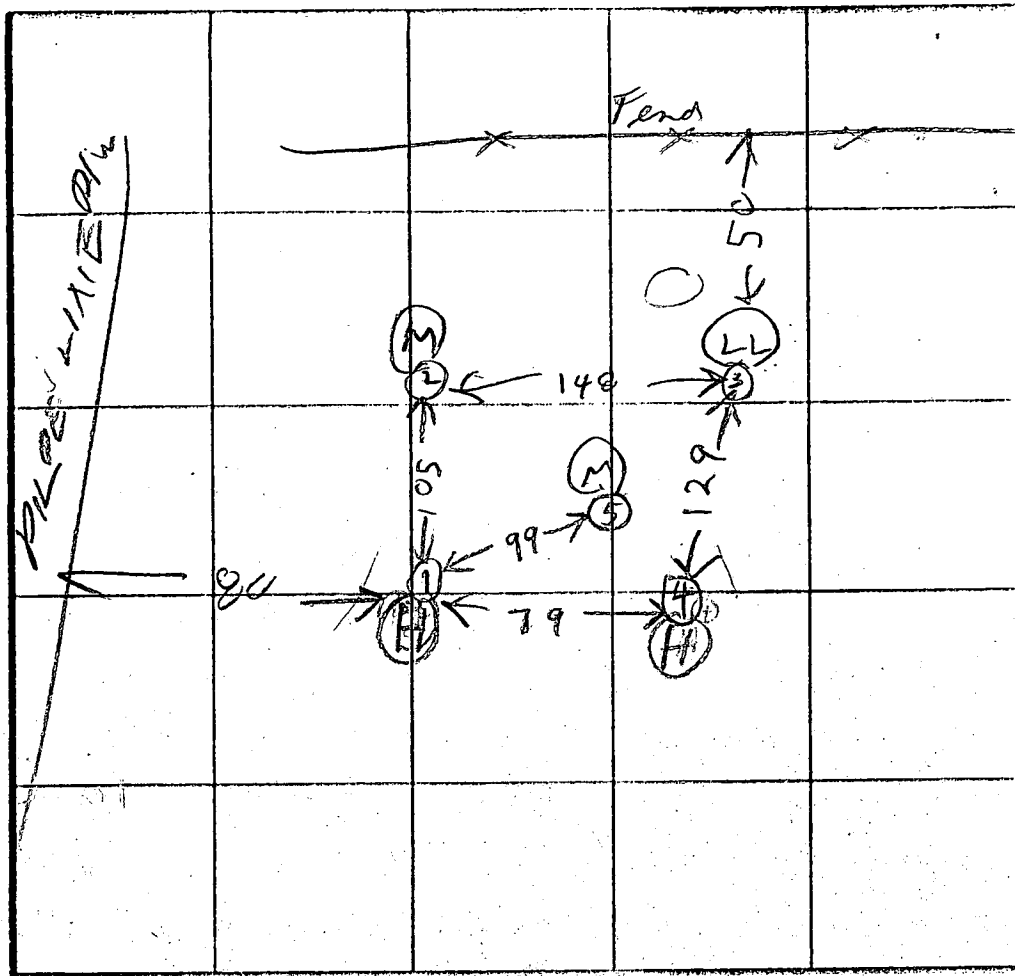
REASONS FOR REJECTION OR HOLDING 2/18/87 Perc OK Hold for Plat

ENCL. PERMIT SIGNED 5/25/89
AND RETURNED 32310
Serial # 32310
4 Bedrooms

THIS IS NOT A PERMIT

Lot 15

Lot 15



$\bar{x} = 8 \text{ min}$
Inlet = 4 ft
Bottom = 8 ft
210 sq ft / bdrn

- ① ④ = HIGH
- ⑤ NEXT HIGH
- ③ LOWEST
- ② NET LOW

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/18/87	1S	5	207	208	208	213	5
	1D	8	210	213	213	223	10
	1V	12	OK				14
	2S	6	218	219	219	221	3
	2V	12	OK				
	3S	4 1/2	225	228	228	236	8
	3V	12	OK				
	4S	5	230	233	233	240	7
	4V	11	OK				
2/19/87	5V	12	OK				

av
Time
6 min
max
Depth
4 FT

⑤
BROWN CLAY
GRAY BROWN SANDY LOAM

REMARKS: 1 hole dug per surveyor plot 5/60

TYPE OF SOIL

TESTED BY: R. HODGES

DAVE CLINT
ALSO PRESENT OLEARY JR

①
SOIL PROFILE
0
BROWN CLAY
4
BROWN SAND LOAM
12

②
BROWN CLAY
4
LIGHT BROWN SAND LOAM
12

③
BROWN CLAY
3
GRAY BROWN SAND LOAM
12

④
BROWN CLAY
4
GRAY BROWN SAND LOAM
12
EH 12-1079

C1 0076 SEQUENCE NO. (DENV USE ONLY)
1 2 3 4 5 6
(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 38574

ST/CO USE ONLY
DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8 13

15 20

22 26
(TO NEAREST FOOT)

28 29 30 31 32 33 34 35 36 37

OWNER For Huber, Stephen
STREET OR RFD Twelve Trees Court TOWN Clarksville
SUBDIVISION Twelve Hills SECTION 2 LOT 15

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

SANDSTONE 0 57
GRAY MICH
ROCK 57 545

DRY WELLS 320, 365, 460.
385, 365, 365.
FILLED IN WITH CEMENT
+ DRILLING MATERIALS.

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 PRE-
SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF
MY KNOWLEDGE.

DRILLERS IDENT. NO. 238

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

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

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 12 NO. OF POUNDS 1128

GALLONS OF WATER 72

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 38 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

ST CO
STEEL CONCRETE
PL OT
PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

5 6 63

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

screen type or open hole
insert appropriate code below
ST BR HO
STEEL BRASS OPEN
PL BRONZE HOLE
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

SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)

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

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 4

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 15

WHEN PUMPING 277

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:

CAPACITY:
GALLONS PER MINUTE (to nearest gallon)

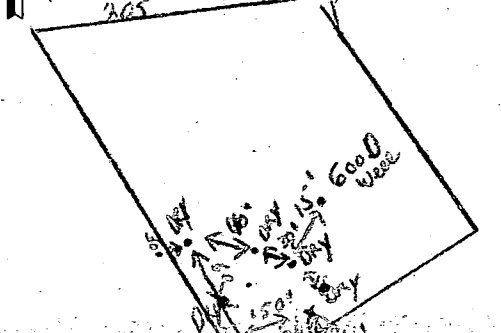
PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (nearest foot)

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)



Page 1 of 1
 Date 8/29/89

Review _____

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

*grouted 38 open,
 12 bags*

Well Permit No. HO - EB-0790
 Location of property (road) Twelve Trees Court
 Subdivision Twelve Hills Lot 15 Block _____ Plat _____ Sec. 2
 Well Driller Joseph Mayne Owner Forthuber, Stephen

Depth of well 365
 Distance of measuring point (M.P.) above ground 2
 Static water level (S.W.L.) below M.P. 29'

I. High rate pumping -- reservoir drawdown

Time pump started 7:00 Pumping rate 12 gpm
 Total time 45 min. to reach pumping water level 265 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:15	160	5		12
7:30	265	5		12
7:45	265	60		1
8:00	265	60		1
8:15	265	60		1
8:30	265	60		1
8:45	265	60		1
9:00	265	60		1
9:15	265	60		1
9:30	265	60		1
9:45	265	60		1
10:00	265	60		1
10:15	263	60		1
10:30	265	57		1 ⁺
10:45	265	60		1
11:00	265	60		1
11:15	268	60		1
11:30	268	Had trouble 60		1
11:45	268	with string 60		1
12:00	278	level, believe 60		1
12:15	278	it was wrapped 60		1
12:30	275	around pump 60		1
12:45	269	60		1
1:00	267	60		1
HD-224: 1:15	267	60		1
1:30	267	60		1

MR OK 12/4/89

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

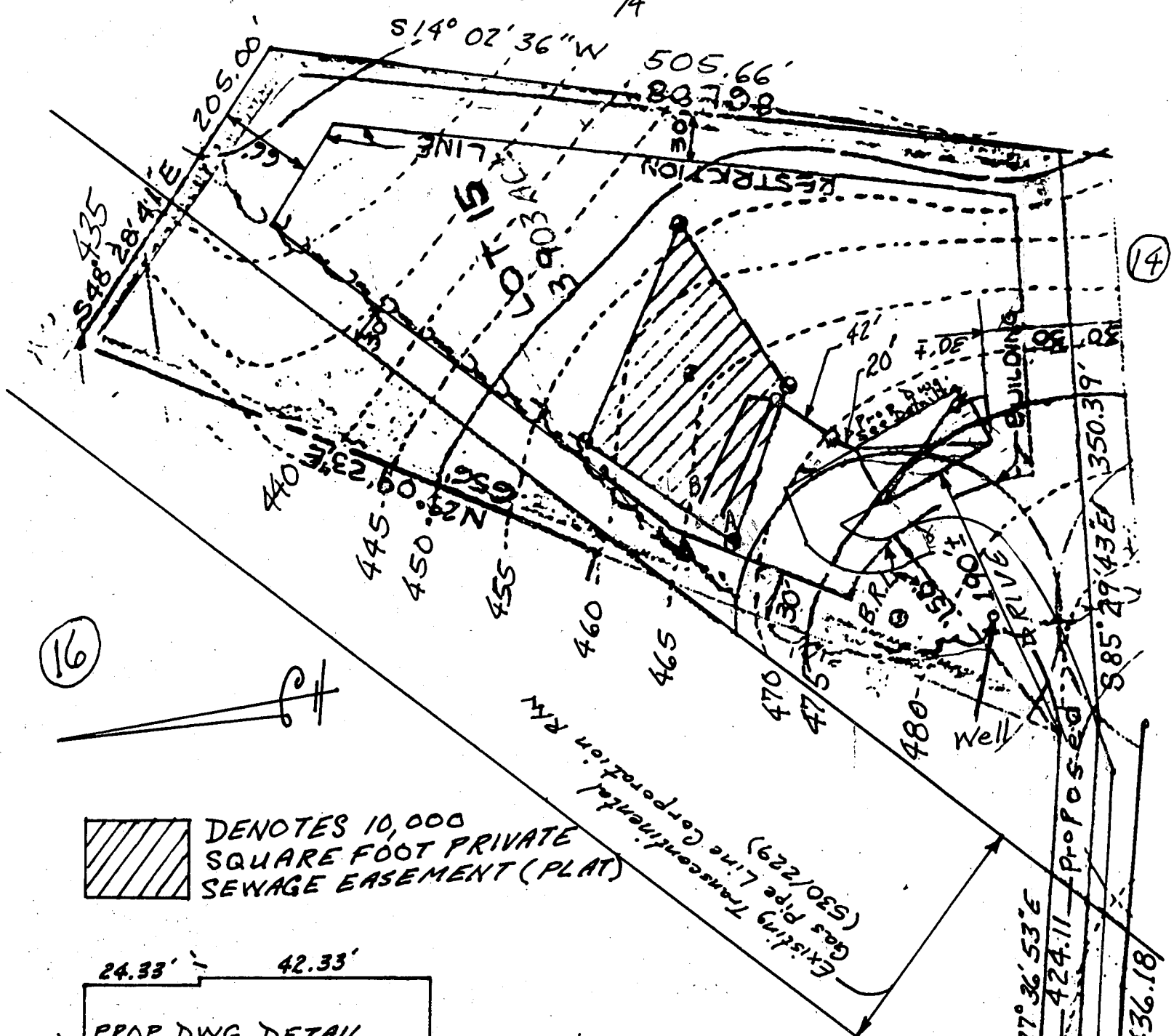
Depth of well 545'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 15'

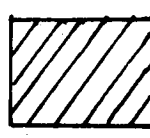
Time pump started 7:00 Pumping rate 15 gpm.
Total time 30 min to reach pumping water level 277 ft. below M.P.

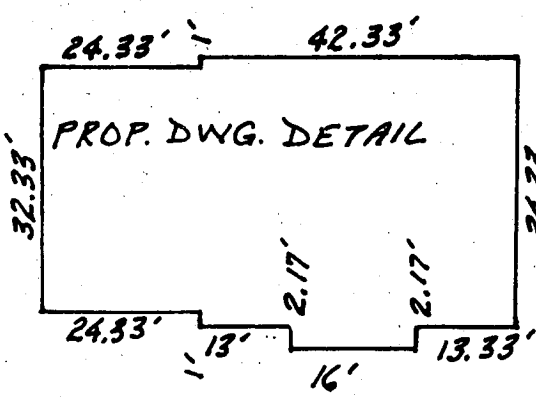
[illegible]

Prepared by Robert Stedman
 12800 Tinstone Ct.
 Silver Spring, Md 20904
 WK 202-962-2408 Messages accepted Voice mail

Lot Scale $\frac{1}{4}'' = 20.5'$



 DENOTES 10,000 SQUARE FOOT PRIVATE SEWAGE EASEMENT (PLAT)



Drawing not to specific Scale.

Note: 10' of house
 Sewer going
 into tank to
 be not over
 $\frac{1}{4}''$ per foot.

DESCRIPTION	ELEV.
FIRST FLR	478.9
INV OUT HSE	471.6
INV IN TANK	467.9
INV OUT TANK	466.8
INV IN DIST BOX	463.5
INV IN TRENCH 'A'	463.3
INV IN TRENCH 'B'	462.3
EX GRADE TANK	470.0
EX GRADE BOX	467.9
EX GRADE TRENCH 'A'	466.8
EX GRADE TRENCH 'B'	465.8
EX WELL	481.9
F.F. BASEMENT	468.9

Lot 15

'TWELVE HILLS'
 SECTION TWO
 LOTS 7-24

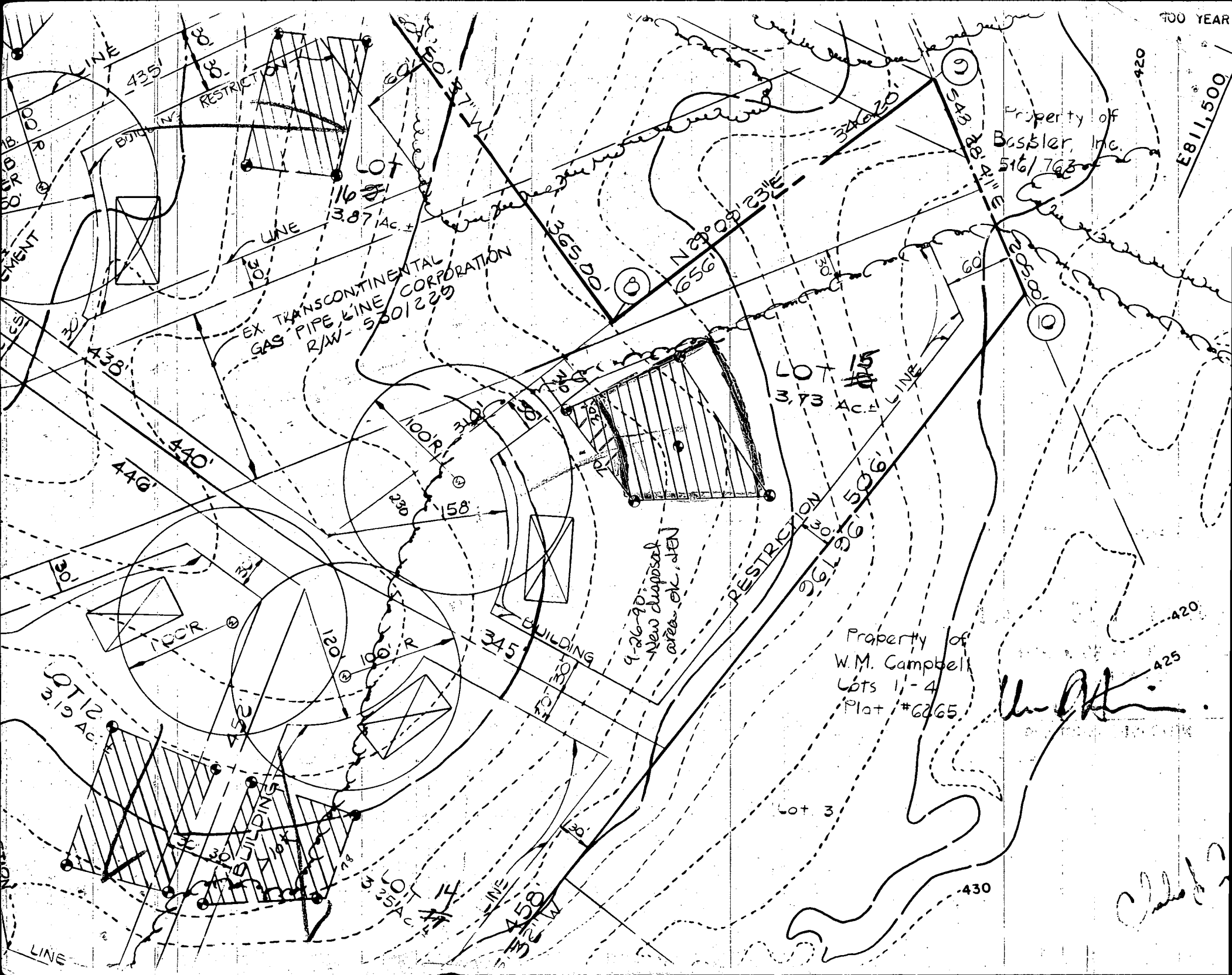
TWELVE TREES
 COURT
 (50' RW)

Fifth Election District
 Howard County Maryland

SITE PLAN Lot 15 TWELVE TREES COURT

5/25/90 Plan U/C R/L

Note: Topography hereon per
 Lot 10 'Altogether' By F.C.C. Inc.
 4.10.87. (Not Field Run)



DISTRIBUTION BOX ELEVATIONS

EX. GRD. = 467.0

INV. IN = 461.77

TRENCH ELEVATIONS

#1 EX. GRD. = 465.30

INV. IN = 461.30

#2 EX. GRD. = 463.50

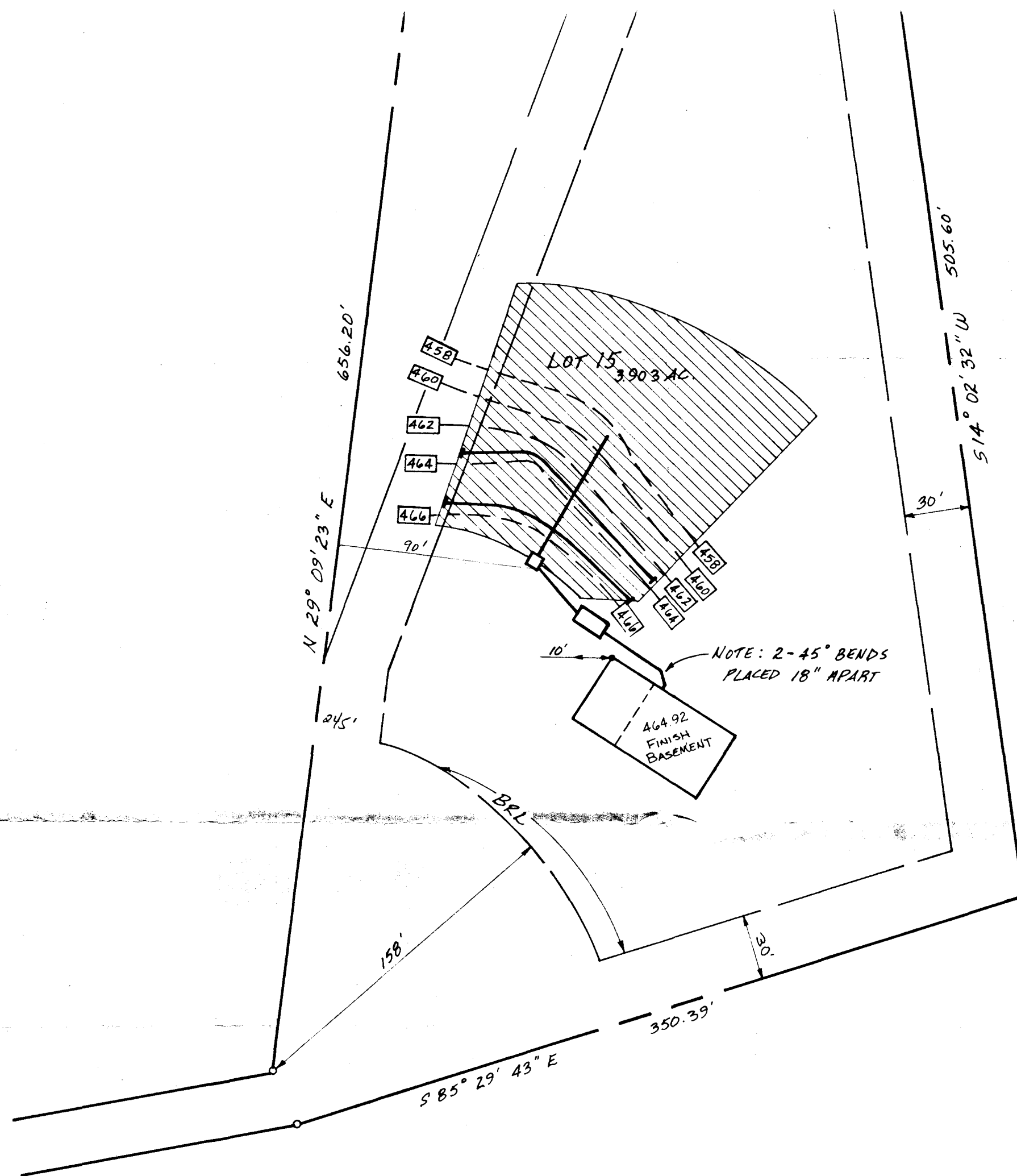
INV. IN = 459.50

NOTES: TRENCHES 10' APART AND 2' WIDE

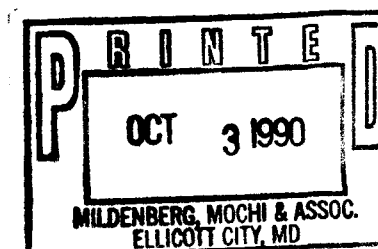
RELOCATED DISTRIBUTION BOX

APPROVED BY JANE NADEAU

ON 10-3-90 AT HER OFFICE.



**SUBMITTED
FOR
REVIEW**



OWNER: ROBERT STEDMAN
12800 TINSTONE CT
SILVER SPRING, MARYLAND
20904

APPROVED FOR PRIVATE WATER AND PRIVATE SEWER

**TWELVE HILLS
LOT 15**

SECTION TWO LOTS 7-24
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SEPTIC LAYOUT

	DATE 9-27-90
DRAWN BY RDP	SCALE 1"=50'
PROJECT No. 90523	

**MILDENBERG,
MOCHI & ASSOCIATES, INC.**
ENGINEERS • SURVEYORS • PLANNERS

3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043
(301) 461-0078 D.C. Metro: (301) 621-5768

[Signature] 10/4/90
JW HOWARD COUNTY HEALTH OFFICER