C 1 | 0641 | 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 402235

DATE Received

DATE WELL COMPLETED 09/13/88

Depth of Well 325 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" AO-88-0130

OWNER

STREET OR RFD (last name) (first name) TOWN

SUBDIVISION SECTION LOT

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	FEET TO	Check if water bearing
Top Soil	0	2	
Shale	2	15	
Sand Stone	15	29	✓
Mica	29	30	
Sand Stone	30	55	✓
Mica	55	325	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes Y (44) no N (44)

TYPE OF GROUTING MATERIAL

CEMENT CM (45 46) BENTONITE CLAY BC (45 46)

NO. OF BAGS NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from 0 (48 TOP 52) ft. to 20 (54 BOTTOM 58) ft.

(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

ST STEEL | CO CONCRETE | PL PLASTIC | OT OTHER

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)
PL (60 61)	6 (63 64)	30 (66 70)

EACH CASING — OTHER CASING (if used)

	diameter inch	depth (feet) from	to

SCREEN RECORD
screen type or open hole — insert appropriate code below

ST STEEL | BR BRASS BRONZE | HO OPEN HOLE | PL PLASTIC | OT OTHER

C 2 (1 2)

EACH SCREEN

		DEPTH (nearest ft.)	
1	HO (8 9)	278 (11 15)	325 (17 21)
2	(23 24)	(26 30)	(32 36)
3	(38 39)	(41 45)	(47 51)

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (56 60) (NEAREST INCH)

GRAVEL PACK from to

IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 (68)

OEP USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T (70) TELESCOPE | (E.R.O.S.) (72) LOG INDICATOR | WQ (74 75 76) OTHER DATA

C 3 (1 2)

PUMPING TEST
HOURS PUMPED (nearest hour) 4 (8 9)

PUMPING RATE (gal. per min. to nearest gal.) 2 (11 15)

METHOD USED TO MEASURE PUMPING RATE Bailed

WATER LEVEL (distance from land surface)

BEFORE PUMPING 24 (17 20)

WHEN PUMPING 248 (22 25)

TYPE OF PUMP USED (for test)

A (27) air | P (27) piston | T (27) turbine | C (27) centrifugal | R (27) rotary | O (27) other (describe below) | J (27) jet | S (27) submersible

PUMP INSTALLED
DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) 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)

(+) (49) above | (−) (49) below — LAND SURFACE — 1 (50 51) (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. 273

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

SUPERVISOR (sign of driller or journeyman)

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)

EMERGENCY/TEMP NO. IF ANY

B	1	3501	SEQUENCE NO. (DP USE ONLY)

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

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

STATE PERMIT NUMBER: HO-88-0136

fill in this form completely

Date Received (APA): 01 SEP

OWNER INFORMATION

Last Name / Owner / First Name: CAPITANO CONST

Street or RFD: 4280 TEN OAKS RD

Town: DAYTON State: MD Zip: 21036

DRILLER INFORMATION

Driller's Name: Ralph Mayne License No.: 223

Firm Name: Ralph Mayne Well Drilling

Address: 9120 Brown Church Rd. Mt Airy

Signature: Ralph Mayne Date: 8/14/88

B 3 LOCATION OF WELL

COUNTY: HOWARD

SUBDIVISION: TALBOTT PROP

SECTION: II LOT: 007

NEAREST TOWN: DAYTON

MILES FROM TOWN (enter 0 if in town): 1 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX): N, NE, E, SE, S (circled), SW, W, NW — TOWN

NEAR WHAT ROAD: Ten Oaks Rd.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): NORTH N, WEST W, 32, E (circled) EAST, S SOUTH

DISTANCE FROM ROAD: 650

ENTER FT or MI: FT

B 2 WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D (circled) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
- P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
- T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME: Howard COUNTY NO.: A 40235

STATE SIGNATURE: ______ INSERT S

DATE ISSUED: 081888 CO SIGNATURE: Jane C. McLean EXP. DATE: 2-18-89

NORTH GRID: 507000 EAST GRID: 807000

APPROXIMATE DEPTH OF WELL: 150 FEET

APPROXIMATE DIAMETER OF WELL: 6 NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

per Well Drill. 9/13

6 # Bag of cement
30 ' Well Casing
26 ' Open hole
2 ' Casing above ground. at grout.

000
000 Taylor [illegible] G.B.

SOURCES OF DRILLING WATER

1. Well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E: 8007

N: 5007

METHOD OF DRILLING (circle one)

BORED (or Augered) — JETTED — Jetted & DRIVEN

AIR-ROTary (circled) — AIR-PERcussion — ROTARY (Hydraulic Rotary)

CABLE — REVerse-ROTary — DRive-POINT

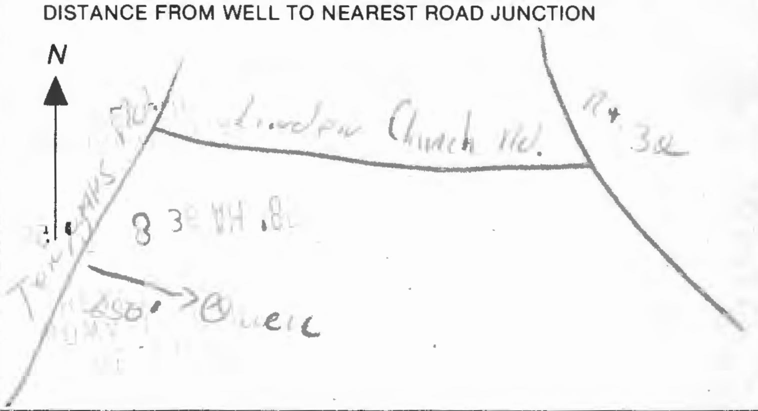
other ______

REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX)

- N (circled) THIS WELL WILL NOT REPLACE AN EXISTING WELL
- Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
- D THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) ______

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



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

APPROP. PERMIT NUMBER: GAP

FORCE: JN WRITE INITIALS IN BOX — PERMIT No.: HO-88-0136

SPECIAL CONDITIONS

Page ____ of ____
Date Sept 13, 1988

Review ok 2/13/89 cw

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0136
Location of property (road) Ten Oaks Road
Subdivision Talbott Property Lot 7 Block ____ Plat ____ Sec. 1
Well Driller Ralph Mayne Owner Capitano Construction

Depth of well 325
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 28'

I. High rate pumping -- reservoir drawdown

Time pump started 9:30 Pumping rate 10 GPM
Total time 45 min to reach pumping water level 205 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 2 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:15	208'	45 Sec		1½ GPM
10:30	208'	45 Sec		1½ GPM
10:45	208'	45 Sec		1½ GPM
11:00	208'	45 Sec		1½ GPM
11:15	208'	45 Sec		1½ GPM
11:30	208'	45 Sec		1½ GPM
11:45	208'	45 Sec		1½ GPM
12:00	208'	45 Sec		1½ GPM
12:15	208'	45 Sec		1½ GPM
12:30	208'	45 Sec		1½ GPM
12:45	208'	45 Sec		1½ GPM
1:00	208'	45 Sec		1½ GPM
1:15	208'	45 Sec		1½ GPM
1:30	208'	45 Sec		1½ GPM
1:45	208'	45 Sec		1½ GPM
2:00	208'	45 Sec		1½ GPM
2:15	208'	45 Sec		1½ GPM
2:30	208'	45 Sec		1½ GPM
2:45	208'	45 Sec		1½ GPM
3:00	208'	45 Sec		1½ GPM
3:15	208'	45 Sec		1½ GPM
3:30	208'	45 Sec		1½ GPM
3:45	208'	45 Sec		1½ GPM
4:00	208'	45 Sec		1½ GPM
HD-2244:15	208'	45 Sec		1½ GPM

Page 2 of 3

Page _____ of _____ Review _____
Date _____

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0136
Location of property (road) Ten Oaks Road
Subdivision Talbott Property Lot 7 Block ____ Plat ____ Sec. 1
Well Driller Ralph Mayne Owner Capitano Construction

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Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 28'

I. *High rate pumping -- reservoir drawdown*

Time pump started 9:30 Pumping rate 10 G.P.M.
Total time 45 to reach pumping water level 205 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)
10:15	208'	45 sec	N/A	1½ G.P.M.
10:30	↓	↓	↓	↓
10:45	↓	↓	↓	↓
11:00	↓	↓	↓	↓
11:15	208'	45 sec	Observed C.B.K. 9/13	1½ G.P.M.
		9/ Note:	Visual - Contractor	
		13 Note:	11:10 Chem #1645	

HD-224

A 40235

SUBDIVISION: Talbott Property - Sec I
Ten Oaks Road

LOT NUMBER: 7 Final
(old lot-3)

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	Septic Tank	Minimum Total Square Feet
3 bedroom	1000 gallon	_____
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.

TRENCHES

180 sq. ft./bedroom

Trench to be 2' wide.

Inlet 3.5 feet below original grade.

Bottom maximum depth 8.0 feet below original grade.

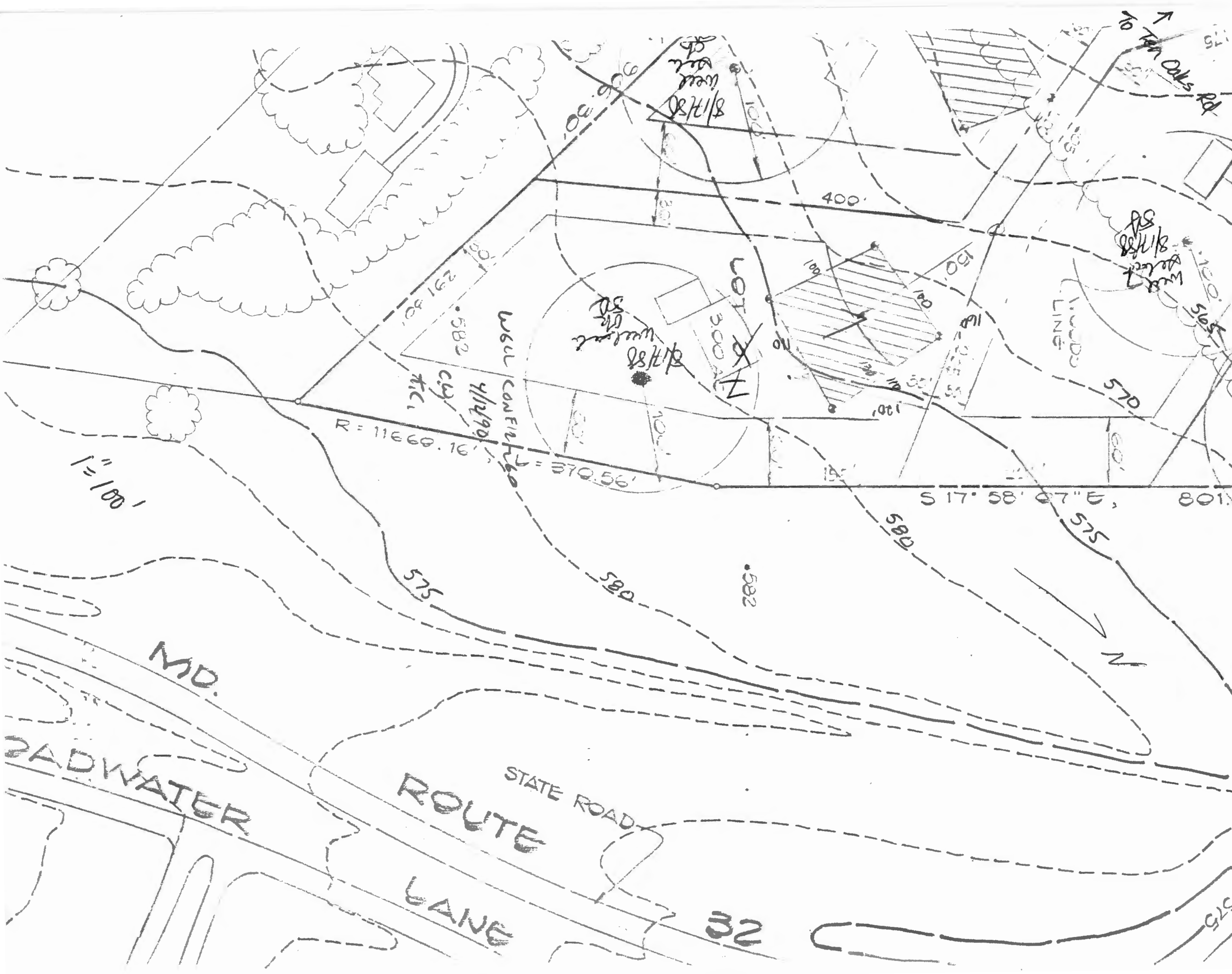
Effective area begins at 3.5 feet below original grade.

4.5 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 absorbent sidewall area by 22%.

LOCATION: Beginning at the front left lot corner place the distribution box 160 feet down the left (235') lot line and 120 feet off the left (235') lot line as seen when facing the property from Ten Oaks Road. Run the trenches on contour toward the left (235') lot line 8-18-88 JEN

HD-191


MD. ROUTE 32
STATE ROAD
BROADWATER LANE
1" = 100'
R = 11669.16'
L = 370.56'
S 17° 58' 07" E, 801
575
580
570
582
400'
LOT 7
WELL CONFIRMED 4/12/90 Cty T.C.
To Ten Oaks Rd
N