

6/4/91 AM

03-313271

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

P 47087

A 38629

DISTRICT 3rd

DATE 5/15/91

DATE SYSTEM APPROVED 6-5-91

INSPECTOR JEN

Walter W. King, Plumbing and Heating

IS PERMITTED TO INSTALL X ALTER

ADDRESS 5305 King's Court, Frederick, Maryland 21702 PHONE 662-6990

SUBDIVISION Willow Highlands ROAD 1741 Willow Springs Dr. LOT 6

PROPERTY OWNER Pulte Homes

ADDRESS

~~EXCHANGE ENGINEER'S USE TO INCREASE SEPTIC TANK CAPACITY BY 10% AND ABSORPTION AREA BY 22%.~~

~~CARBIDE GRINDER XXXXXX XXXXXXXXXXXXXXXXXXXX~~

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

180
41720
180 ft

TRENCHES - 180 sq.ft. per bedroom. Trench to be 2 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 8.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 260 feet from the rear lot line and 125 feet from the left lot line as seen when facing the lot from Willow Springs Drive. Run trenches on contour toward the left lot line.

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

INSTALL SYSTEM HIGH ON LOT IF POSSIBLE. C.W. 100'

PLANS APPROVED BY Sid Abel

CM DATE 03/14/89

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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

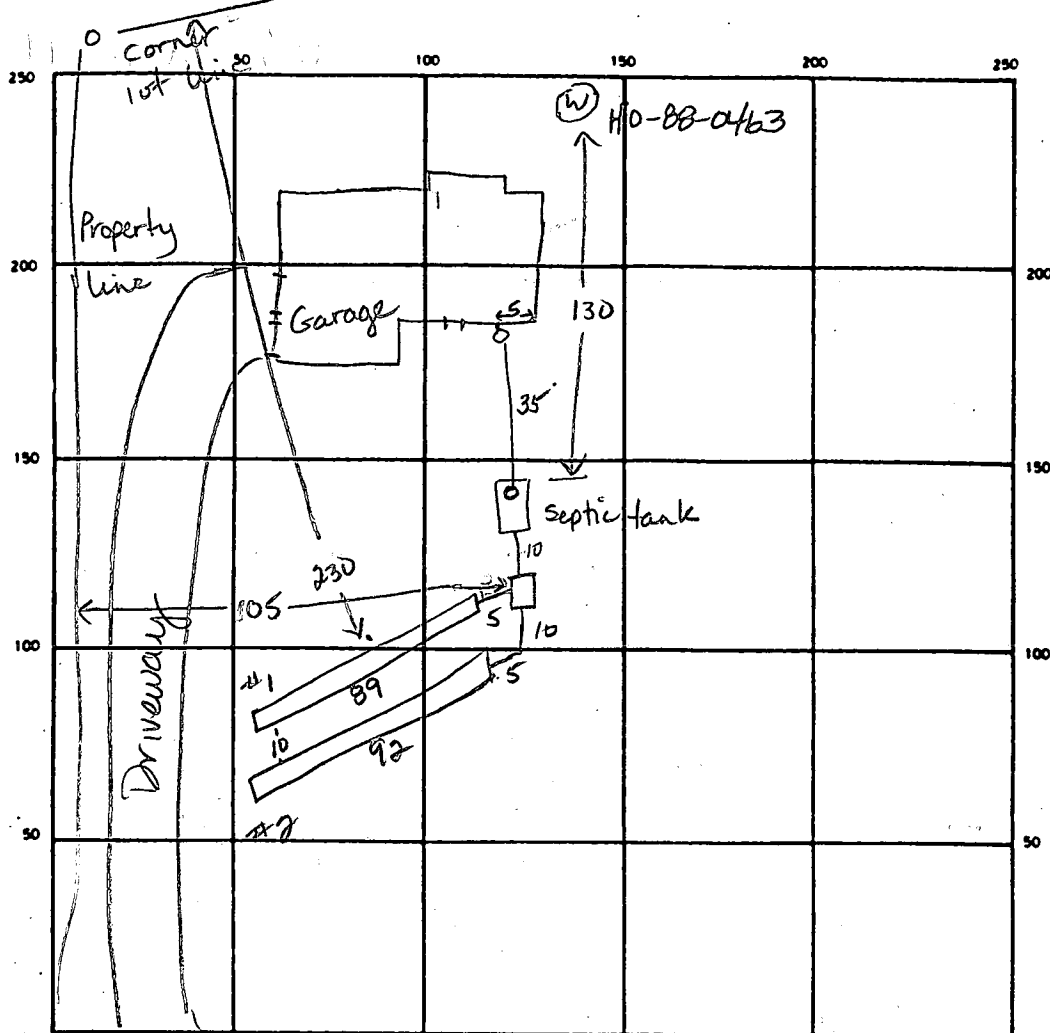
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 38629



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Willow Springs Drive

SEPTIC TANK LEVEL 1250 gal CLEANOUTS 1 in sewerline at house, 1 on septic tank

DISTRIBUTION BOX LEVEL OK (with baffle)

DRAIN FIELD TILE FIELD DEPTH 8.5 8.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4.5 4.5 FT.

EFFECTIVE GRAVEL DEPTH 4 4 FT. TOTAL LENGTH 89 92 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 356 368 SQ. FT.

DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 724 SQ. FT.

REMARKS 6-4-91 OK to fill trenches with stone, add pipe & paper,
JEN 6-5-91 OK to cover all work JEN

DATE SYSTEM APPROVED 6-5-91 INSPECTOR Jane E. Maden

APPLICATION

PERCOLATION TESTING

A 38629

P _____

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

DISTRICT 3

DATE 12-16-1986

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 WILLOW SPRINGS LIMITED PARTNERSHIP / Pulte Home Corp
16801 WESLEY CHAPEL ROAD
ADDRESS MONKTON, MARYLAND 21111 PHONE 921-8707
347-8700

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION: Highlands
SUBDIVISION WILLOW SPRINGS GOLF COURSE LOT NO. 6

ROAD AND DESCRIPTION N/S U.S. 1741 Willow Springs Dr.

TAX MAP 9 & 15 PARCEL # 151 & 11
SIZE OF LOT 3.0 Ac. ± TYPE BLDG S.F.D.
(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. Willow Springs Inc. Gen Partner
By Thomas C. [Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY [Signature] FOR Deputy DATE 5-22-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4-13-87 PERC SATISFACTORY, hold for subdivision plat - S. Alue

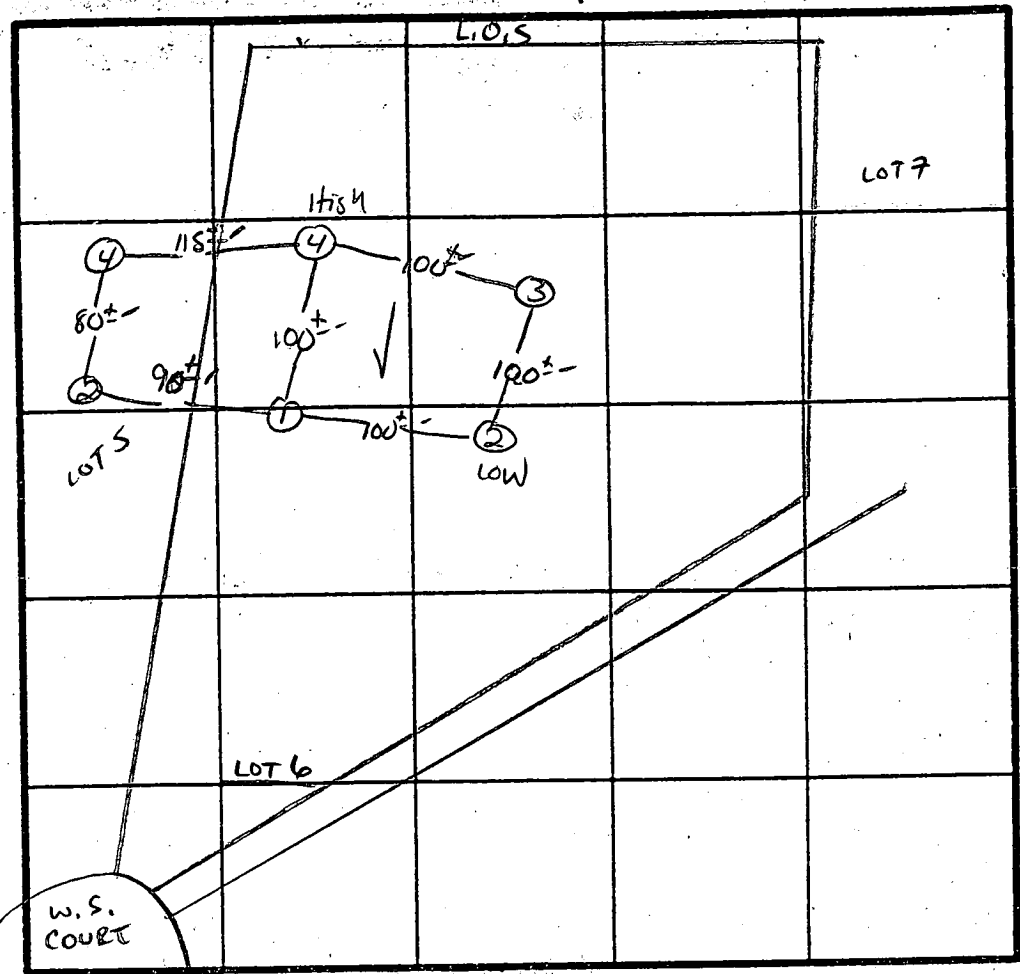
BLDG. PERMIT SIGNED
AND RETURNED 4/23/91
Serial # 36518 - SFD

BLDG. PERMIT SIGNED
AND RETURNED 5-22-89
BP25542 87A

THIS IS NOT A PERMIT

① - ④
SOIL PROFILE

12 ¹¹	AP. RED BK Silt loam 12-15% clay 15-20% FRAGS
4.5	Yellow BK Silty sand loam 20-25% FRAGS



7 Perc 11 min
180 #1BR
INLET ~~4.5~~ 4
Bottom ~~9.0~~ 8

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

[illegible]

REMARKS HOLCS DIFF THAN PLAT - "FLIPPED" X100'

TYPE OF SOIL CHESTER

TESTED BY S. Abel ALSO PRESENT O-KETTERMAN

B 1 7932 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (DP USE ONLY) 7932	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-88-0463 <small>fill in this form completely</small>
Date Received (APA) 031389 OWNER INFORMATION WILLLOW SPRINGS LIMITED 16801 WESTLEY CH RD MONTGOMERY MD 21111		LOCATION OF WELL HOWARD WILLOW HIGHLAND SECTION 44 LOT 6 WEST FRIENDSHIP MILES FROM TOWN (enter 0 if in town) 1 MI	
DRILLER INFORMATION Ralph MAYNE Ralph MAYNE well drilling 9120 Brown Church Rd, Wt. Md. Ralph Mayne 3/2/89		DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500		NEAR WHAT ROAD Willow Spring Dr. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 350 FT or MI	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="radio"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="radio"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD A. 38629 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 031389 NORTH GRID 541000 EAST GRID 0808000 50 55 57 63	
APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6" INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well WRITE THE BOX NUMBER FROM THE MAP HERE 5008	
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTARY Drive-POINT other		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="radio"/> THIS WELL WILL DEEPEMED 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 FORCE 5A INITIALS PERMIT NO. 40-88-0463	
SPECIAL CONDITIONS			

- ① 45 ft open Hole
- ② 50 ft casing
- ③ 15 bags

④ Well already Grouted
I obtained information

from *Boyle*
⑤ Location OK

RECEIVED
HOWARD COUNTY
HEALTH DEPT
MAR 4 22 PM '89
DIVISION OF
ENVIRONMENTAL
HEALTH

5/5/89 RH

Well Permit No. HO - 88-0463
Location of property (road) Willow Sp. Dr.
Subdivision Willow Highlands Lot 6 Block Plat Sec.
Well Driller R. Mayne Owner Willow Sp. Co.

Depth of well 185'
Distance of measuring point (M.P.) above ground 2nd
Static water level (S.W.L.) below M.P. 26

Time pump started 12:00 Pumping rate 10 GPM
Total time 15 min to reach pumping water level 28 ft. below M.P.

[illegible]

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 ☒
Replacement _____

Receipt # 47161
Date 6/3/91

Name of Installer Walter W. King Plbg. & Htg. Contr, inc Telephone 301-662-6990

License Number Md. 2217

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber ☒

Name of Property Owner Pulte Homes Telephone 301-921-8707
Subdivision Willow Springs Lot # 6 Well Tag # HO -88 - 0469
Site Address 1741 Willow Springs DR.

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible ☒
- Make Goulds
- Model # 5 ES 05422
- Capacity 5 GPM
- Pump exceeds well capacity Yes _____ No ☒
- If Yes, is low pressure cutoff switch installed? Yes _____ No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards ☒ Other _____

Motor

- Horsepower 1/2
- RPM 3500
- Voltage _____
 - 110 _____
 - 220 ☒

Pitless Adapter

- Make Martinson
- Model # BP-10K
- Depth 42" min
60" Max

Tank

- Capacity 42
- Pressure relief valve? yes

Piping

- Type plastic 160#
- Size 1"
- NSF and/or BOCA Code approved ☒
- Depth of supply line 42" min
60" max.

Well data

- Depth 185' ft.
- Yield 10 GPM
- Static water level _____ ft.
- Will water supply be disinfected by installer? yes

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).

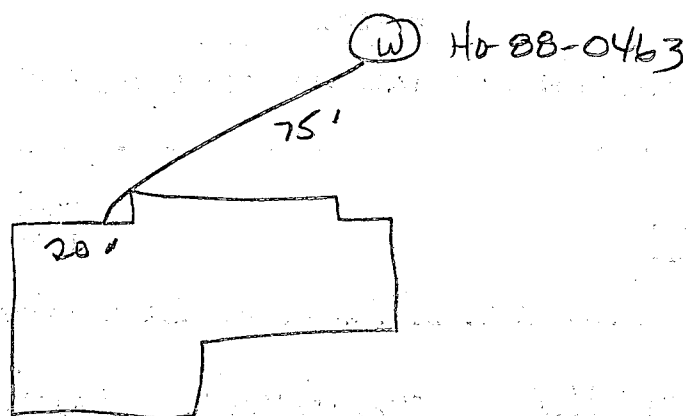
All information given above is true to the best of my knowledge.

Signature of Applicant: Walter W. King

Date: May 30, 1991

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

Pulte-8707
921-8714
Wilbur



6-4-91

Pitless adaptor at 41 inches below grade. Well line 55 inches below grade. House connection ok. No pump tank installed yet.

REVISIONS				
REV NO.	DATE	REVISION REQUESTED BY	REVISION MADE BY	REVISION
1	12/19/89	PULTE	S&L	HOUSE TYPE CHANGE
2	1/3/90	PULTE	S&L	HOUSE TYPE - HAMILTON II
3	4/5/90	PULTE	S&L	HOUSE TYPE - CANTERBURY
4	2/1/91	PULTE	S&L	HOUSE TYPE - REMINGTON (FRONT #1)
5	2/13/91	PULTE	S&L	CHANGE TO SIDE ENTRY GARAGE
6	2/19/91	PULTE	S&L	LOWER GRADE IN REAR OF HOUSE BY 0.4'

SEPTIC SYSTEM DATA

INV. @ HOUSE 558.33 @ 1.0%

SEPTIC TANK

EX. GRADE 562.20
FIN. GRADE 563.50
INV. IN 559.0
INV. OUT 557.7

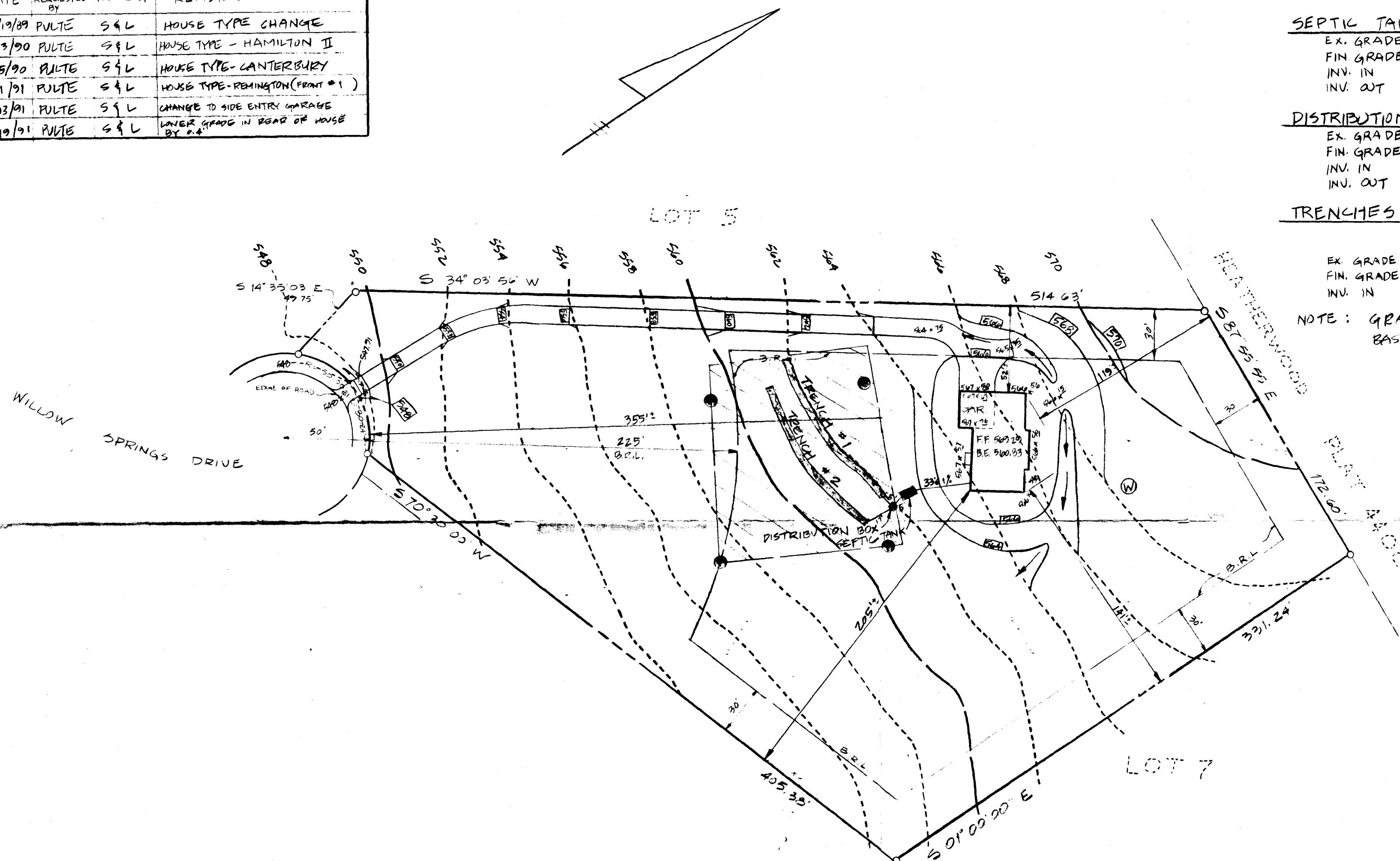
DISTRIBUTION BOX

EX. GRADE 562.0
FIN. GRADE 562.0
INV. IN 557.6
INV. OUT 557.45

TRENCHES (LENGTH AND NUMBER TO BE DETERMINED BY HOWARD COUNTY HEALTH DEPARTMENT)

	TRENCH #1	TRENCH #2
EX. GRADE	562.0	561.0
FIN. GRADE	562.0	561.0
INV. IN	557.5	556.5

NOTE: GRAVITY SEWER SERVICE IS AVAILABLE TO THE BASEMENT.



TOTAL DISTURBED AREA OF SITE = 26,000 sq ft

SHANABERGER & LANE

3726 TOWN & COUNTRY BLVD.
SUITE 107
ELLICOTT CITY, MD. 21043
(301) 461-9563

OWNER: PULTE HOME CORPORATION

9059 GAITHER ROAD
GAITHERSBURG, MARYLAND 20877
(301) 921-8707

SITE PLAN
LOT 6
WILLOW HIGHLANDS AT
WILLOW SPRINGS GOLF COURSE

PLAT # 1920
3RD ELECTION DISTRICT
HOWARD COUNTY, MD.
SCALE: 1" = 50'
DATE: 5/17/89

4/23/91
PLANS OK
RIT