

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

DATE SYSTEM APPROVED

INSPECTOR

P 47169

A 38632

DISTRICT 3rd

DATE 4/4/91

7/17/91

M. R. Rife

Walter W. King Plumbing & Heating Contractors IS PERMITTED TO INSTALL 4 ALTER

ADDRESS 5305 King's Court, Frederick, Maryland 21702 PHONE 301-662-6990

SUBDIVISION Willow Highlands LOT 9 ROAD 1758 Willow Springs Court

PROPERTY OWNER Pulte Homes Corp. Brian Makoff

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - 210 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Start the first trench 280 feet from the rear lot line and 150 feet off the left lot line as seen when facing the lot from Willow Springs Drive. Run trenches along contour in both directions.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 5/29/91 OK RH

PLANS APPROVED BY Raymond Hodges cm DATE 5/15/91

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

BLDG. PERMIT SIGNED

AND RETURNED 3/24/92

Serial # 41570

A 38632

APPLICATION

PERCOLATION TESTING

A 38632

P _____

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

DISTRICT _____

DATE 12-16-86

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 Willow Springs Limited Partnership Putte Home Corp.

ADDRESS 16801 Wesley Chapel Road PHONE 347-8700
Mankton, MD 21111

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Willow Highlands LOT NO. 9 Retest

ROAD AND DESCRIPTION 1758 Willow Springs Court

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG _____
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 5-9-91 Recommend adjusting SDA to above

EI 544.5. JENadeau

BLDG. PERMIT SIGNED

AND RETURNED 5/13/91

Serial # 36820 - SFP

THIS IS NOT A PERMIT

APPLICATION

PERCOLATION TESTING

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

ADDRESS

16801 WESLEY CHAPEL ROAD
MONKTON, MARYLAND 21111

PHONE

347-8700

PROSPECTIVE BUYER

ADDRESS

PHONE

PROPERTY LOCATION:

SUBDIVISION

Highlands
WILLOW SPRINGS GOLF COURSE

LOT NO.

9

ROAD AND DESCRIPTION

N/S U.S. RTE 70 N AT LIVE STOCK ROAD

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.

(SIGNATURE OF APPLICANT)

APPROVED BY

[Signature]

FOR

Standard trench

DATE

6-2-89

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

DATE

REASONS FOR REJECTION OR HOLDING

4-18-87 Per Order of the Court; Hold for subdivision plat. Still

THIS IS NOT A PERMIT

B 1	7955	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-88-0658 fill in this form completely
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)				
Date Received (APA) 051089		LOCATION OF WELL		
OWNER INFORMATION WILLOW SP. L. M. T. E. D.		HOWARD 8 COUNTY		
16801 WESTLEY RD.		WILLOW HIGHLANDS 23 SUBDIVISION		
MORTKTON		SECTION 1 LOT 9 52 NEAREST TOWN		
MD 2111		WEST FRIENDSHIP 71		
DRILLER INFORMATION Ralph MAYNE		MILES FROM TOWN (enter 0 if in town) 1 MI		
Ralph MAYNE well drilling		willow SP. CR. NEAR WHAT ROAD		
9120 Bayne Church Rd. Mt Airy		200 DISTANCE FROM ROAD		
Ralph Mayne		ENTER FT or MI FT		
WELL INFORMATION		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL		
APPROX. PUMPING RATE (GAL. PER MIN.) 5		Howard COUNTY NAME		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500		A38632 COUNTY NO.		
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)		STATE SIGNATURE Mark E. Ralpin INSERT S 11/30/89		
APPROXIMATE DEPTH OF WELL 150 FEET		DATE ISSUED 053189		
APPROXIMATE DIAMETER OF WELL 6" INCH		CO SIGNATURE Mark E. Ralpin		
METHOD OF DRILLING (circle one) ☒ BORED (or Augered) ☐ JETTED ☐ Jetted & DRIVEN ☒ AIR-ROTARY ☐ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) ☐ CABLE ☐ REVERSE-ROTARY ☐ HEAT ☐ DRIVE-POINT other _____		NORTH GRID 540000 EAST GRID 0810000		
REPLACEMENT OR DEEPEENED 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 DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41		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 8000 5400		
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 6/27/89 4930 60' CASING GROUT 25 BAGS OBS'D 30' OPEN MR 2' CASING A.G. 6/27/89 OK		
FORCE MR WRITE INITIALS IN BOX PERMIT No. 40-88-0658		SPECIAL CONDITIONS:		

C1	2494	SEQUENCE NO. (DENV 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.
				COUNTY NUMBER A38632

DATE Received	DATE WELL COMPLETED	Depth of Well	PERMIT NO.
8 13	15 20	22 26	FROM "PERMIT TO DRILL WELL"
	062789	145	10-18-1655
		(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37

OWNER	last name	first name	TOWN
STREET OR RFD	WILLOW	Dr	West Friendship
SUBDIVISION	WILLOW HIGHLANDS	SECTION	LOT 9

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	
Top Soil	0 2	
Sandy	2 45	
Gravel Stone	45 50	
MICKA	50 55	
Gravel Stone	55 60	
MICKA	60 145	
MICKA	60 145	

GROUTING RECORD	
WELL HAS BEEN GROUTED	
(Circle Appropriate Box)	
TYPE OF GROUTING MATERIAL	
CEMENT	BENTONITE CLAY
CM	BC
NO. OF BAGS	NO. OF POUNDS
25	150
GALLONS OF WATER	
150	
DEPTH OF GROUT SEAL (to nearest foot)	
from 48 TOP 52 ft. to 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 CASING TYPE			
Nominal diameter top (main) casing (nearest inch)			
Total depth of main casing (nearest foot)			
PL	6	10	
60	61	66	70

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

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

C2	
DEPTH (nearest ft.)	
145	
EACH SCREEN	
1	HO
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	

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

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

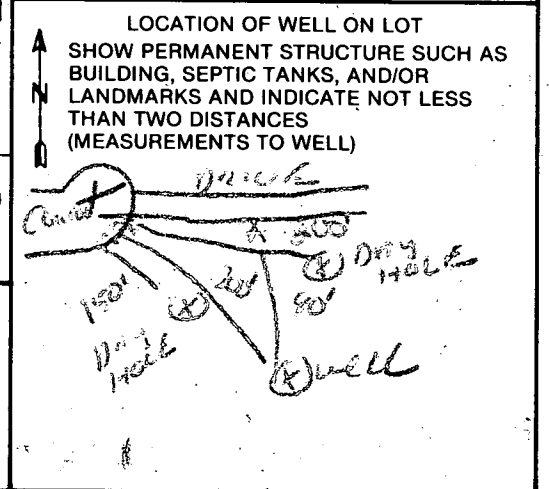
C3		
PUMPING TEST		
HOURS PUMPED (nearest hour)		
8		
PUMPING RATE (gal. per min. to nearest gal.)		
11		
METHOD USED TO MEASURE PUMPING RATE		
Keweenaw		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING		
17		
WHEN PUMPING		
22		
TYPE OF PUMP USED (for test)		
A	P	T
air	piston	turbine
27	27	27
C	R	O
centrifugal	rotary	other (describe below)
27	27	27
J	S	
jet	submersible	
27	27	

PUMP INSTALLED	
DRILLER WILL INSTALL PUMP YES NO	
(CIRCLE) (YES or 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)	
31	
PUMP HORSE POWER	
37	
PUMP COLUMN LENGTH (nearest ft.)	
43	
CASING HEIGHT (circle appropriate box and enter casing height)	
+ above	
LAND SURFACE	
- below	
2 (nearest foot)	

CIRCLE APPROPRIATE LETTER	
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	M. H. [Signature]
(MUST MATCH SIGNATURE ON APPLICATION)	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	



bags cement (25)

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 # 47163
Date 6/8/91

Name of Installer Walter W. King Plbg. & Htg. Contr, Inc Telephone ~~801-921-8707~~
301-662-6990

License Number 2217

Certified Well Pump Installer Well Driller Registered Plumber x

Name of Property Owner Pulte Homes Telephone 301-921-8707
Subdivision Willow Springs Lot # 9 Well Tag # HO - 88 - 0658
Site Address 1758 Willow Springs DR

Pump

1. Type
 - a. Deep well jet
 - b. Shallow well jet
 - c. Submersible x
2. Make Goulds
3. Model # 5ES 05422
4. Capacity 7 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 Cable guards x Other

Motor

1. Horsepower $\frac{1}{2}$
2. RPM 3500
3. Voltage
 - a. 110
 - b. 220 x

Pitless Adapter

1. Make Martinson
2. Model # BP-10K
3. Depth 42" min
66" max

Tank

1. Capacity 42
2. Pressure relief valve? yes

Piping

1. Type plastic 160#
2. Size 1"
3. NSF and/or BOCA Code approved x
4. Depth of supply line 42" min.
60" max

Well data

1. Depth 145 ft.
2. Yield 10 GPM
3. Static water level ft.
4. 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).

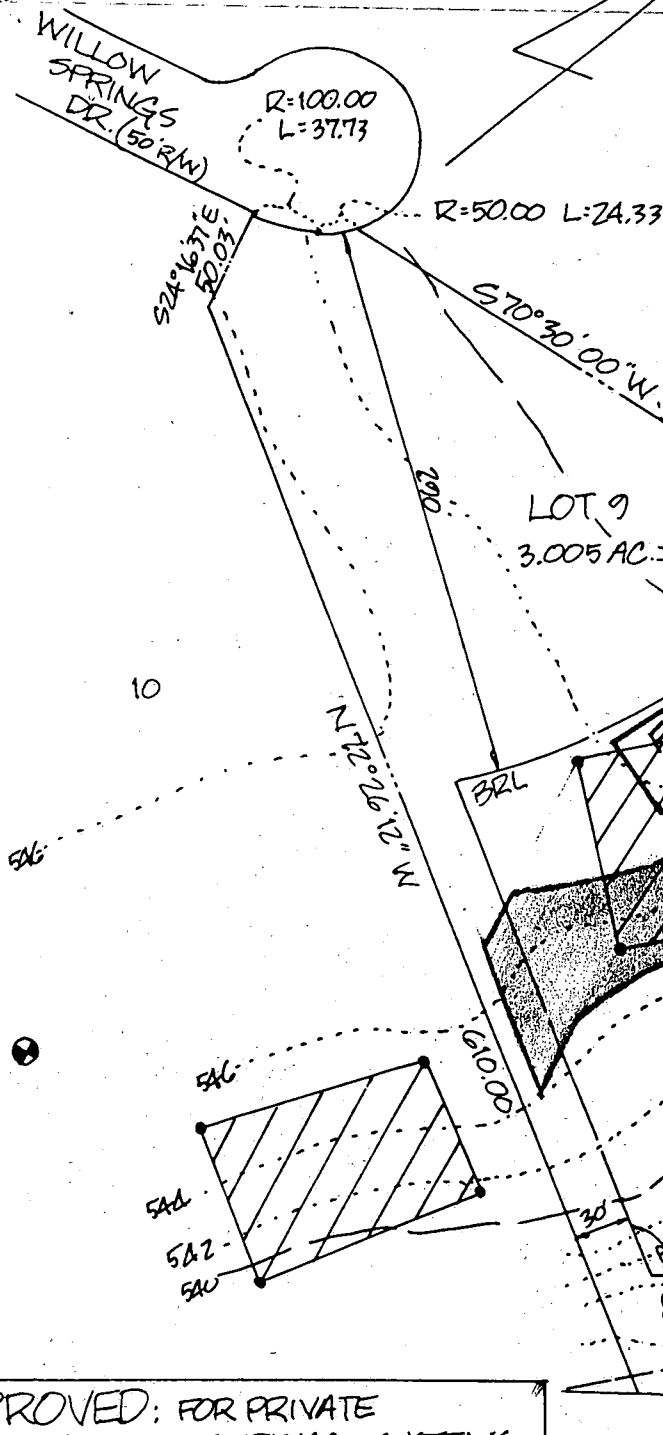
All information given above is true to the best of my knowledge.

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.

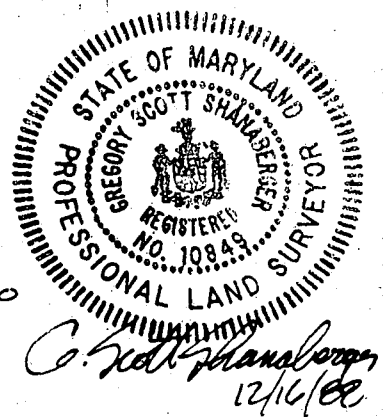
ELECTION DISTRICT: 3RD
COUNTY: HOWARD
SCALE: 1" = 100'
DATE: 6/18/91 REV: 8/29/91



THIS AREA DESIGNATES A 10,000' PRIVATE SEWAGE ESMT. AS REQUIRED BY THE MD. STATE DEPT. OF HEALTH & MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS ESMT. SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE ESMT. RECORDATION OF A MODIFIED SEWAGE ESMT. SHALL NOT BE NECESSARY.

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH & LOT AREAS AS REQUIRED BY THE MD. STATE DEPT. OF HEALTH & MENTAL HYGIENE.

- DESIGNATES SUCCESSFUL PERC TEST
- ▨ DESIGNATES PREVIOUSLY RECORDED PRIVATE SEWAGE ESMT. (PLAT. NO. 7920)
- DESIGNATES PROPOSED PRIVATE SEWAGE ESMT.



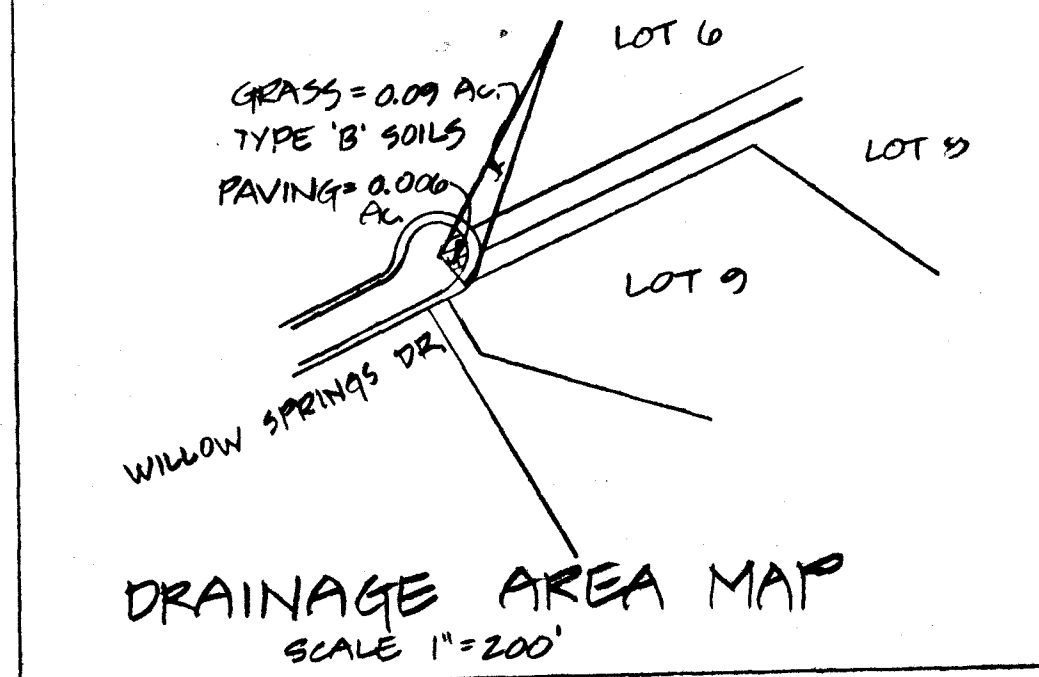
APPROVED: FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS.
HOWARD CO. HEALTH DEPT.

CK. SA *[Signature]*
COUNTY HEALTH OFFICER DATE

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITES 106 & 107
ELLCOTT CITY, MD. 21043
461-9563

REVISED SEWAGE EASEMENT
LOT 9 "WILLOW HIGHLANDS
AT WILLOW SPRINGS GOLF
COURSE"
PLAT NO. 7920
3RD ELEC. DIST. HOWARD CO. MD.
SCALE: 1"=100' DATE: 12/16/00

REVISIONS				
REV. NO.	DATE	REVISION REQUESTED BY	REVISION MADE BY	REVISION
1	1/1/01	PULTE	SFL	HOUSE TYPE - REMINGTON (#3 FRONT)
2	2/3/01	PULTE	SFL	CHANGE TO SIDE ENTRY OPERATIONS
3	2/10/01	PULTE	SFL	LOWER HOUSE BY 1.0', EXPOSE TOP OF WALL ON LOW SIDE OF HOUSE
4	5/9/01	HEALTH DEPARTMENT	SFL	MOVE SEPTIC AREA & SEPTIC SYSTEM, ADD TRAV. POINT 492



SEPTIC SYSTEM DATA

INV. @ HOUSE 544.00 @ 1%

SEPTIC TANK

EX. GRADE 546.50
FIN. GRADE 547.00
INV. IN 544.40
INV. OUT 544.07

DISTRIBUTION BOX

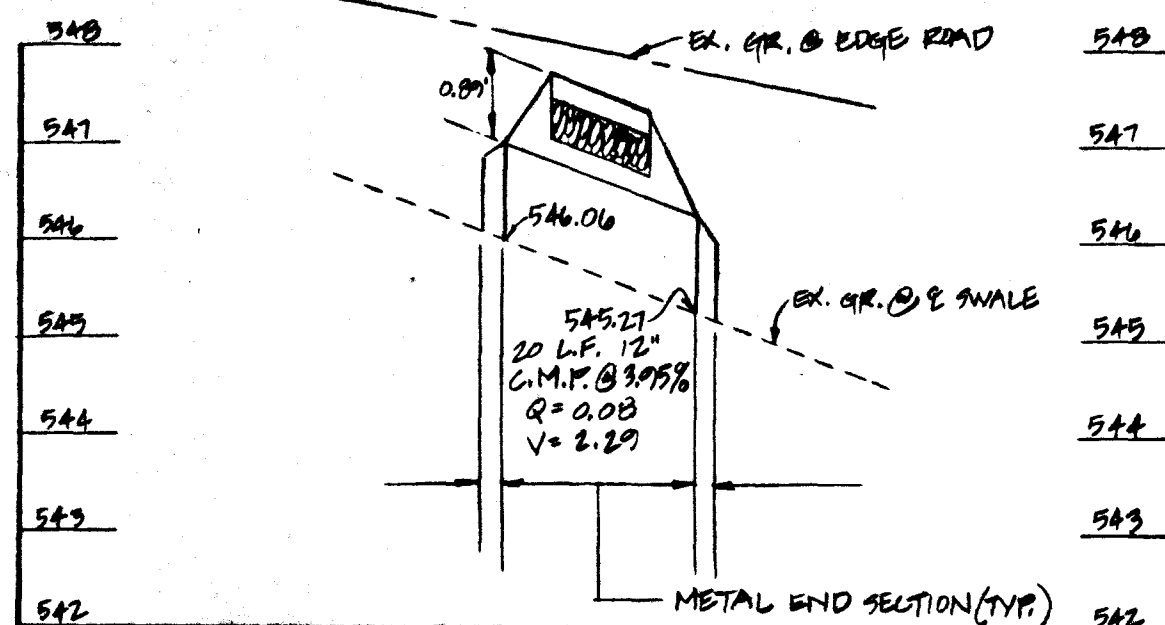
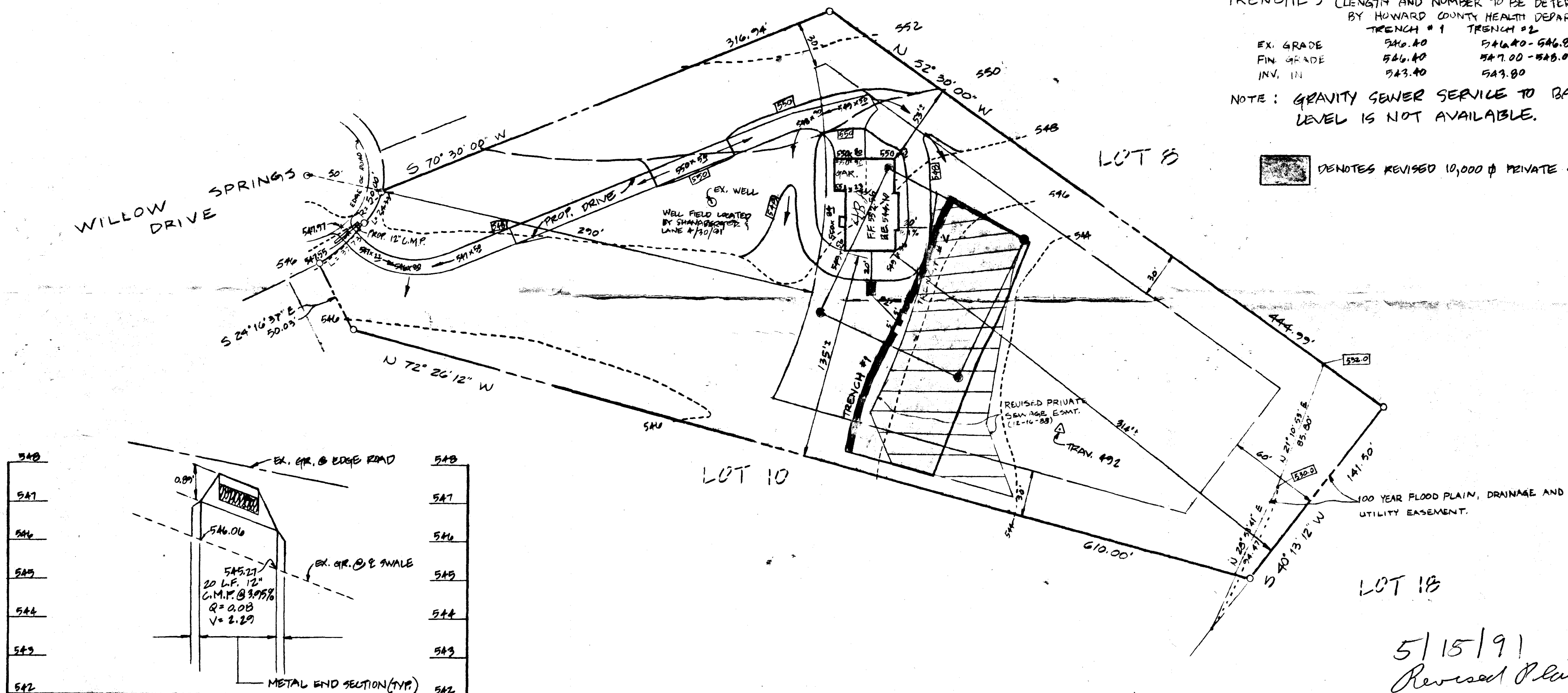
EX. GRADE 546.0
FIN. GRADE 546.0
INV. IN 543.85
INV. OUT 543.85

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

	TRENCH #1	TRENCH #2
EX. GRADE	546.40	546.40 - 546.80
FIN. GRADE	546.40	547.00 - 548.00
INV. IN	543.40	543.80

NOTE: GRAVITY SEWER SERVICE TO BASEMENT LEVEL IS NOT AVAILABLE.

DENOTES REVISED 10,000 \$ PRIVATE SEPTIC EASEMENT.



TOTAL DISTURBED AREA OF SITE = 23,750 \$

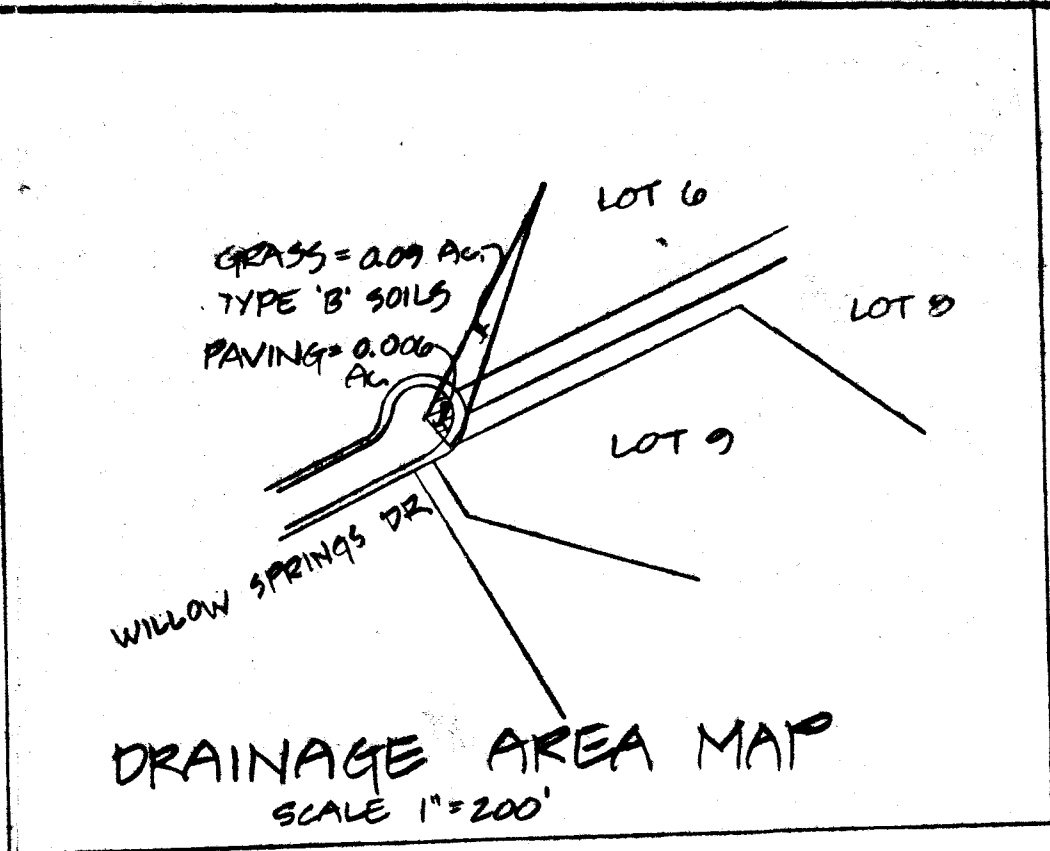
SHANABERGER & LANE
3726 TOWN & COUNTRY BVD.
SUITE 107
ELLICOTT CITY, MD 21043
(301) 461-9563

OWNER: PULTE HOME CORPORATION
9059 GAITHER ROAD
GAITHERSBURG, MARYLAND 20877
(301) 921-8707

5/15/91
Revised Plans OK RH

4 BEDROOMS 9
SITE PLAN
LOT 9
WILLOW HIGHLANDS AT
WILLOW SPRINGS GOLF COURSE
PLAT # 1920
3RD ELECTION DISTRICT
HOWARD COUNTY, MD.
SCALE: 1" = 50'
DATE: 6/16/89

REVISIONS				
REV. NO.	DATE	REVISION REQUESTED BY	REVISION MADE BY	REVISION
1	4/1/01	PULTE	S&L	HOUSE TYPE - REMINGTON (#3 FRONT)
2	2/3/01	PULTE	S&L	CHANGE TO SIDE ENTRY OPERATIONS
3	2/10/01	PULTE	S&L	LOWER HOUSE BY 1.0', EXPOSE TOP OF WALL ON LOW SIDE OF HOUSE



SEPTIC SYSTEM DATA

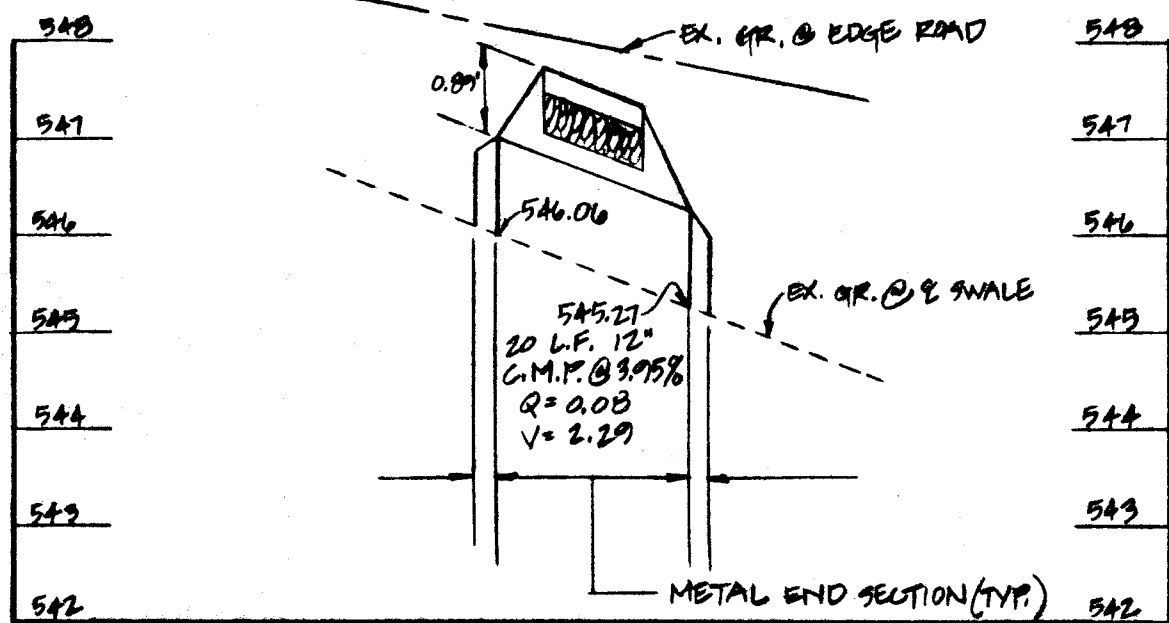
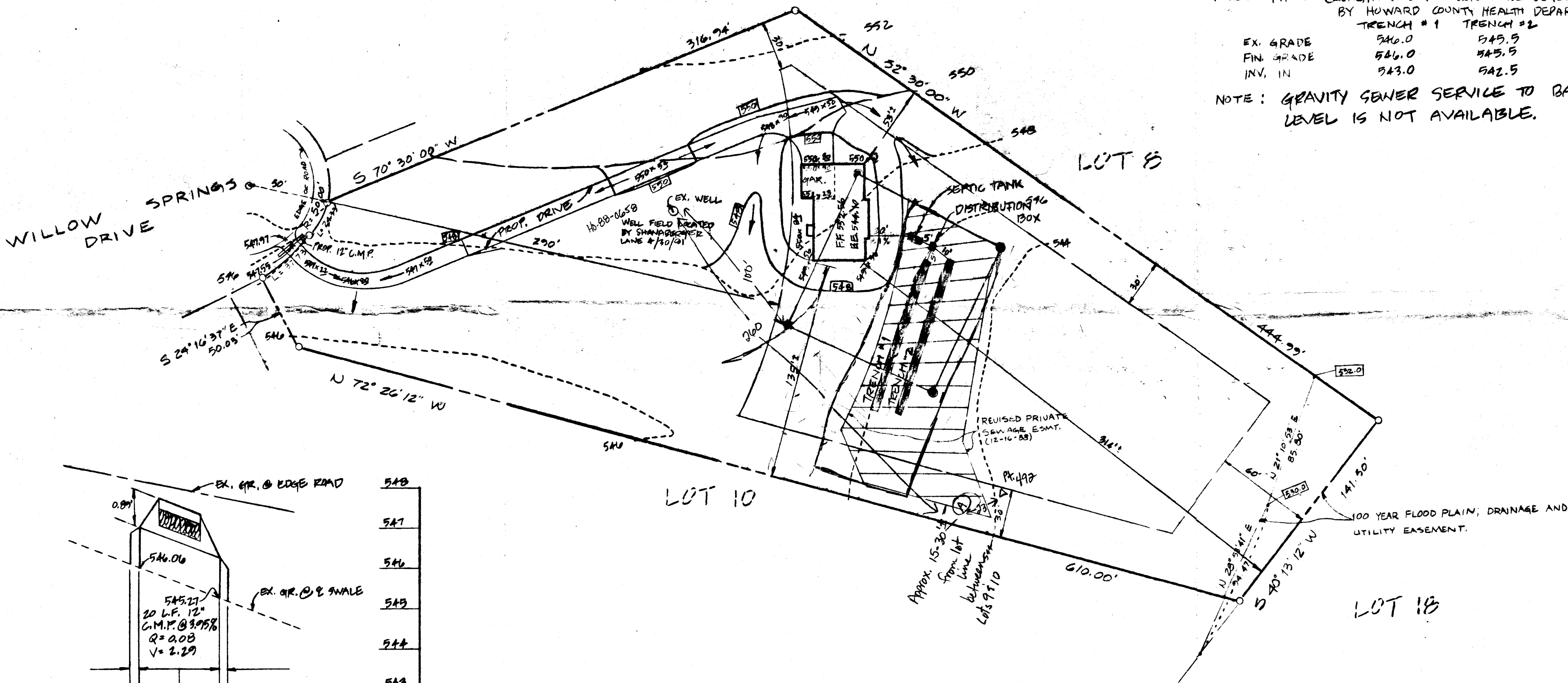
INV. 2 HOUSE	543.00 @ 1%
SEPTIC TANK	
EX. GRADE	546.50 547.2
FIN. GRADE	547.00
INV. IN	543.40
INV. OUT	543.10

DISTRIBUTION BOX	
EX. GRADE	546.0 546.5
FIN. GRADE	546.0
INV. IN	543.05 543.5
INV. OUT	543.05

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

	TRENCH #1	TRENCH #2
EX. GRADE	546.0	545.5
FIN. GRADE	546.0	545.5
INV. IN	543.0	542.5

NOTE: GRAVITY SEWER SERVICE TO BASEMENT LEVEL IS NOT AVAILABLE.



DRIVEWAY PIPE PROFILE
SCALE: HORIZ - 1"=20'
VERT - 1"=2'

SHANABERGER & LANE
8726 TOWN & COUNTRY BLD.
SUITE 107
ELLICOTT CITY, MD 21043
(301) 461-9363

OWNER: PULTE HOME CORPORATION
3059 GAITHER ROAD
GAITHERSBURG, MARYLAND 20877
(301) 921-8701

5-7-91 Test Pit A 2:00 opened
Visual hole -
0-10 DK brown silty organic material
10-40 Yellow-brown mica sil, moist
40-14.5 Yellow-brown mottled (gray) mica sil loam. Mottles at 4.0 ft, wet
14.5 Bottom water at 14.0 ft after 20 minutes
JEN

SITE PLAN
LOT 9
WILLOW HIGHLANDS AT
WILLOW SPRINGS GOLF COURSE
PLAT # 1920
3RD ELECTION DISTRICT
HOWARD COUNTY, MD.
SCALE: 1"=50'
DATE: 6/10/89