

7/2/96
pm C.O.

03-313301

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 56588B

A 38631

DISTRICT 3rd

DATE 4-30-96

DATE SYSTEM APPROVED 7/2/96

INSPECTOR AM

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

Jack Fyock Septic Service

IS PERMITTED TO INSTALL X ALTER

ADDRESS 13775 Triadelphia Road, Glenelg, MD 21737 PHONE 988-9270

SUBDIVISION Willow Highland LOT 8 ROAD 1764 Willow Springs Drive

PROPERTY OWNER Evert and Mildred Batte

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

$$\begin{array}{r} 3 \\ 280 \\ 4 \\ \hline 720 \end{array}$$

$$\begin{array}{r} 240 \\ 3120 \end{array}$$

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 100' from the intersection of lot lines 135.66 and lot line 327.59 and 50' off the 327.59 lot line. Run trenches along contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 12/13/95 KAS.

PLANS APPROVED BY Glen Savage DATE 11/3/95

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

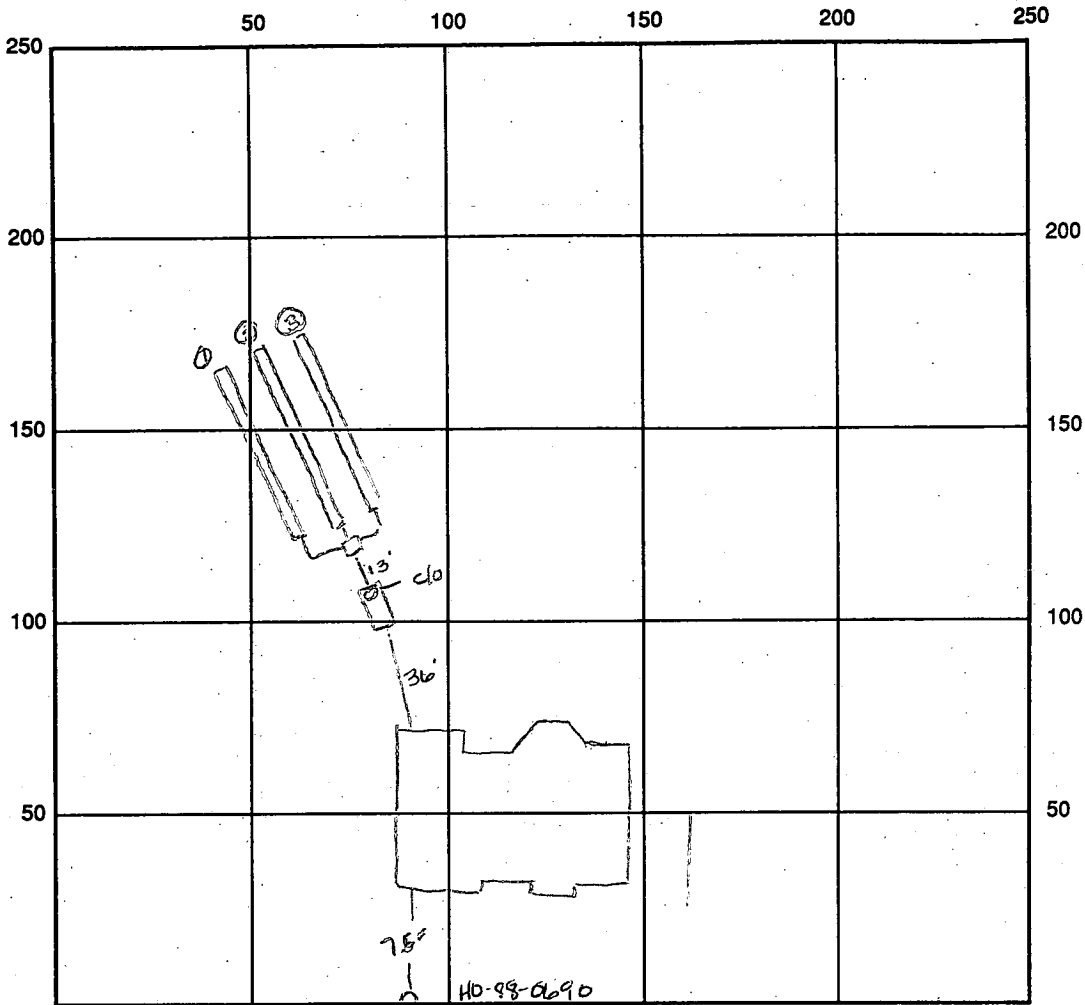
PERMIT VOID AFTER TWO YEARS

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
38031



SEPTIC TANK LEVEL 1250 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 55 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH $\frac{240}{20} = 12$ FT. 240 total linear ft

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT. $\frac{240}{20}$

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 7/2/96 OK to cover all work final AU

DATE SYSTEM APPROVED 7/2/96 INSPECTOR Amy McMillan

APPLICATION

PERCOLATION TESTING

A 38631

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

ADDRESS 16801 WESLEY CHAPEL ROAD
MONKTON, MARYLAND 21111 PHONE 347-8700

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION: Highlands
SUBDIVISION WILLOW SPRINGS GOLF COURSE LOT NO. 8

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. 4 BRMS
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED
AND RETURNED 11-3-95**
Serial # 62381

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 Partner
By Thomas C. [Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY [Signature] FOR Standard Tech DATE 6-2-89

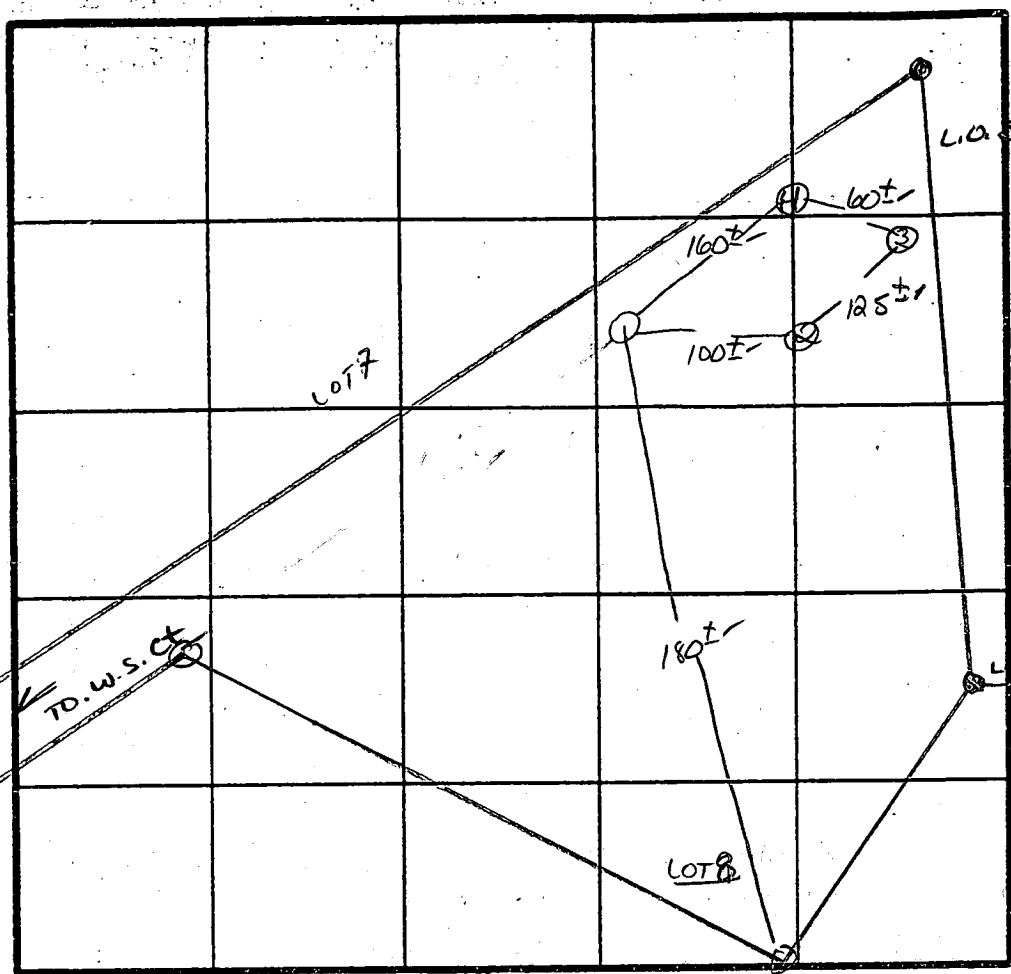
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4-14-89 Per satisfaction, hold for submission plant SAbid

THIS IS NOT A PERMIT

↑ N



X Perc
 7min
 INLET 3.5
 BOTTOM 5.5
 180' I.B.R.

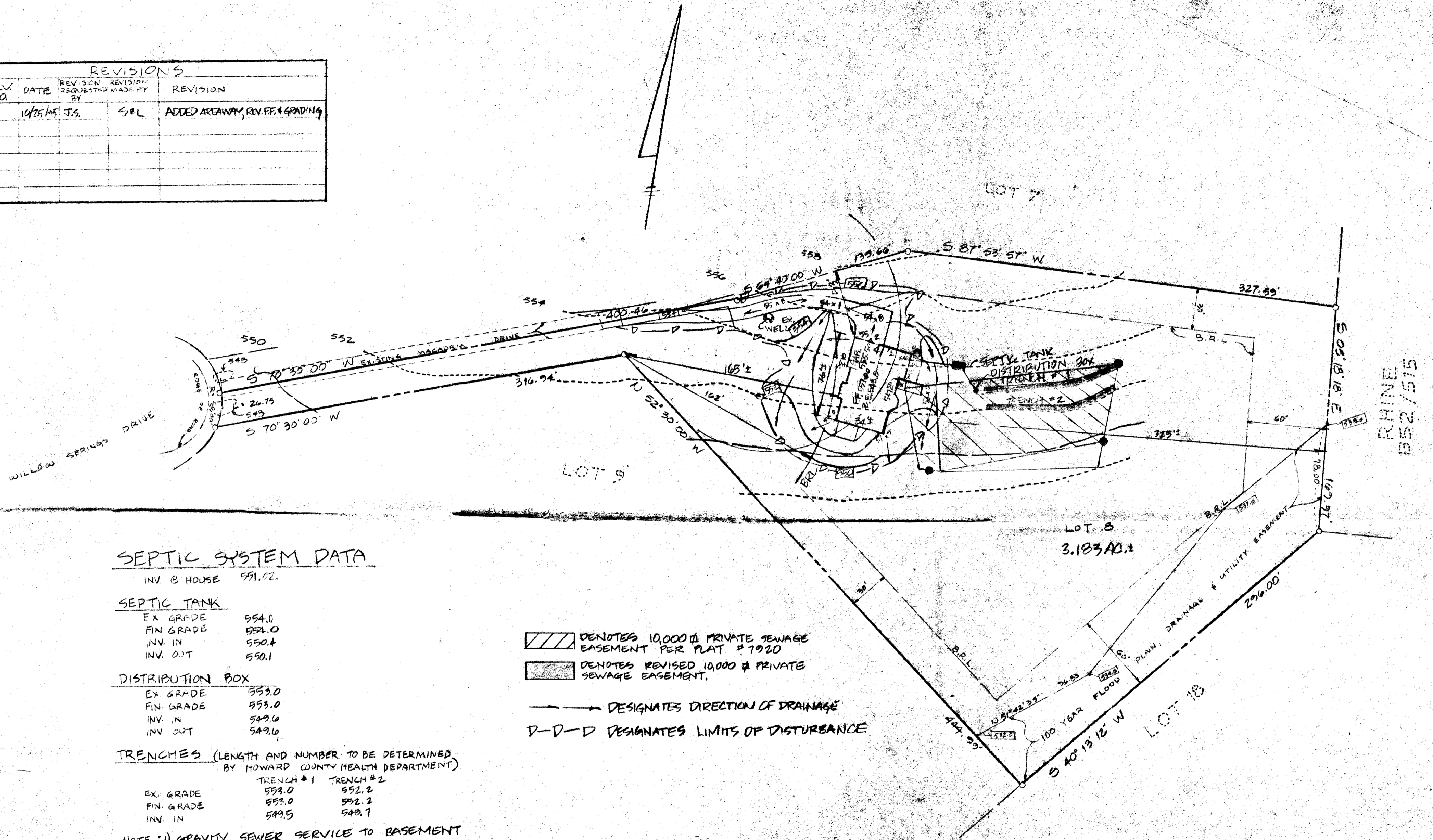
① - ④
 SOIL PROFILE
 0"
 12"
 3-4'
 13"
 AP.
 Yellow Red
 Silty loam
 9-12%
 CLAY
 15-20%
 FRASS
 Yellow BK
 Silty SAND
 loam
 20-30%
 FRASS

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/14/87	1 S	4.5'	10:31	10:38	10:38	10:51	13min
	1 M	8'	10:31	10:34	10:34	10:40	6min
	1 V	13'	UNIFORM SOIL below 4'				
	2 S	2.5'	10:34	10:35	10:35	10:38	3min
	2 V	11"	HARD BOTTOM AT 11"		UNIFORM below 2.5'		
	3 S	3.5'	10:36	10:38	10:38	10:42	4min
	3 V	12.5'	UNIFORM SOIL below 3.0'				
	4 S	13'	UNIFORM SOIL below 3.5'				
	4 V						

REMARKS Holes Diff from spec / Shallow Syst only
 TYPE OF SOIL Chester
 TESTED BY S. Alud ALSO PRESENT G-1 left in hand

REVISIONS				
REV. NO.	DATE	REVISION REQUESTED BY	REVISION MADE BY	REVISION
1	10/25/05	J.S.	S&L	ADDED AREAWAY, REV. FF & GRADING



SEPTIC SYSTEM DATA

INV @ HOUSE 551.02

SEPTIC TANK

EX. GRADE 554.0
 FIN. GRADE 552.0
 INV. IN 550.4
 INV. OUT 550.1

DISTRIBUTION BOX

EX. GRADE 553.0
 FIN. GRADE 553.0
 INV. IN 549.6
 INV. OUT 549.6

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

	TRENCH #1	TRENCH #2
EX. GRADE	553.0	552.2
FIN. GRADE	553.0	552.2
INV. IN	549.5	549.7

NOTE : 1) GRAVITY SEWER SERVICE TO BASEMENT LEVEL IS NOT AVAILABLE.
 2) TOTAL AREA DISTURBED : 19,700 sq ft

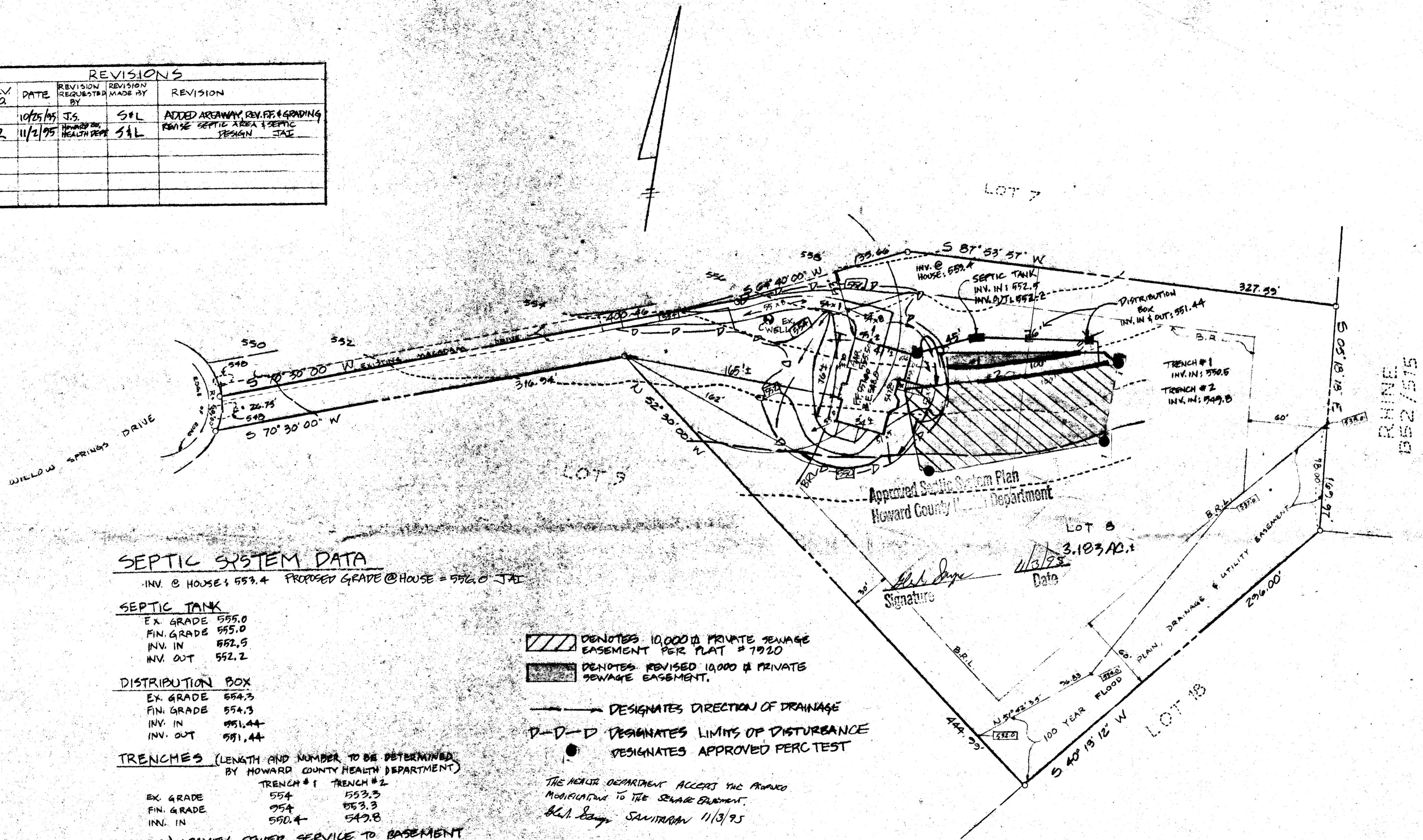
DENOTES 10,000 GPM PRIVATE SEWAGE EASEMENT PER PLAT # 7920
 DENOTES REVISED 10,000 GPM PRIVATE SEWAGE EASEMENT.

DESIGNATES DIRECTION OF DRAINAGE
 DESIGNATES LIMITS OF DISTURBANCE

SHANABERGER & LANE
 8726 TOWN & COUNTRY BLVD.
 SUITE 107
 ELLICOTT CITY, MD. 21043
 (301) 461-9563

SITE PLAN
 LOT B
 WILLOW HIGHLANDS AT
 WILLOW SPRINGS GOLF COURSE
 PLAT # 7920
 3RD ELECTION DISTRICT
 HOWARD COUNTY, MD.
 SCALE : 1" = 50'
 DATE : 6/14/05
 REVISED: 10/25/05 G&L

REVISIONS				
REV. NO.	DATE	REVISION REQUESTED BY	REVISION MADE BY	REVISION
1	10/25/95	J.S.	S&L	ADDED AREAWAY, REV. FF. & GRADING
2	11/2/95	HOWARD CO. HEALTH DEPT.	S&L	REVISE SEPTIC AREA & SEPTIC DESIGN JAI



SEPTIC SYSTEM DATA

INV. @ HOUSE: 553.4 PROPOSED GRADE @ HOUSE = 552.0 JAI

SEPTIC TANK

EX. GRADE 555.0
 FIN. GRADE 555.0
 INV. IN 552.5
 INV. OUT 552.2

DISTRIBUTION BOX

EX. GRADE 554.3
 FIN. GRADE 554.3
 INV. IN 551.44
 INV. OUT 551.44

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

	TRENCH #1	TRENCH #2
EX. GRADE	554	553.3
FIN. GRADE	554	553.3
INV. IN	550.4	549.8

NOTE: 1) GRAVITY SEWER SERVICE TO BASEMENT LEVEL IS NOT AVAILABLE.
 2) TOTAL AREA DISTURBED: 19,700 sq ft

DENOTES 10,000 GPD PRIVATE SEWAGE EASEMENT PER PLAT # 7920
 DENOTES REVISED 10,000 GPD PRIVATE SEWAGE EASEMENT.

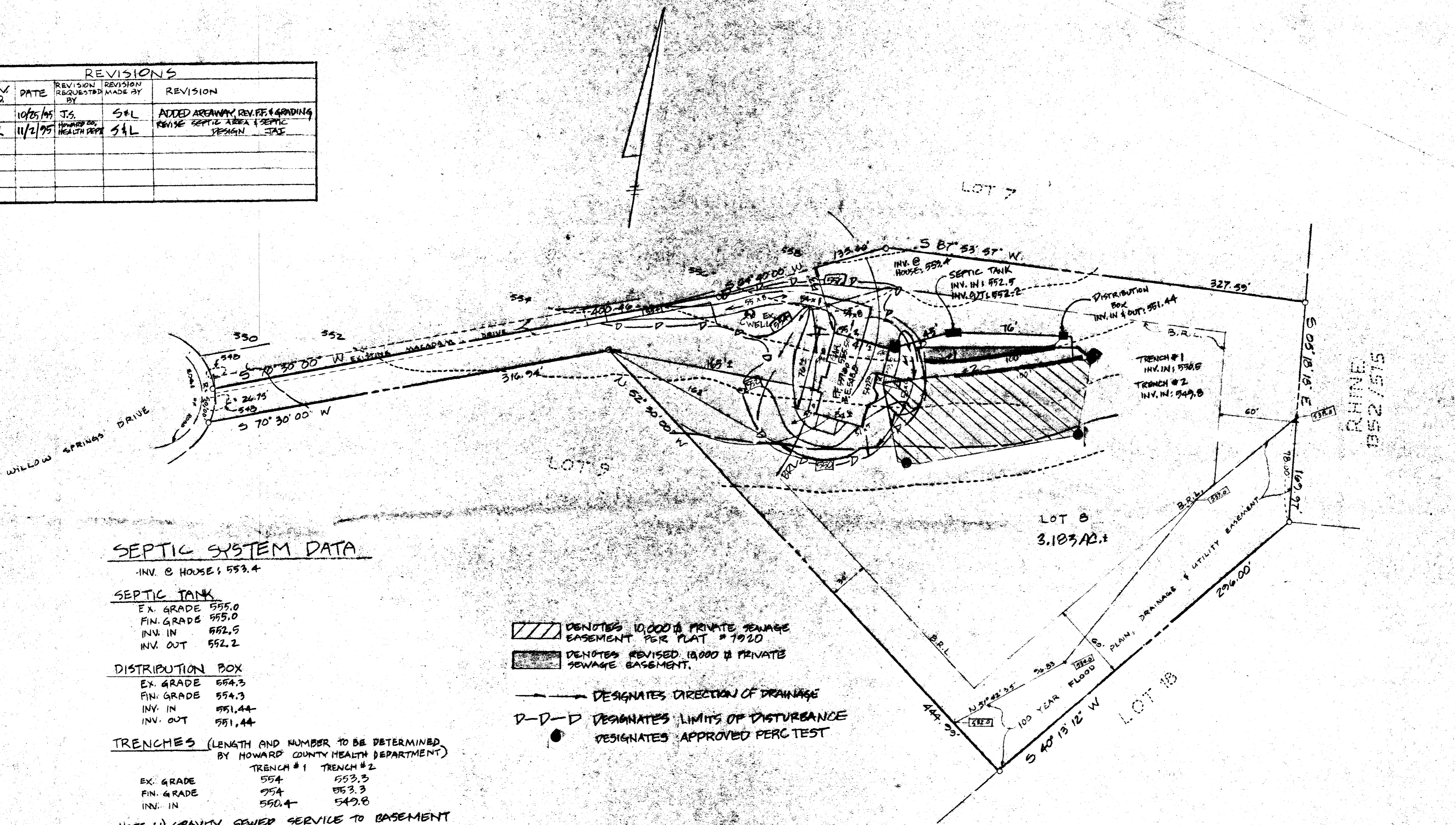
DESIGNATES DIRECTION OF DRAINAGE
 DESIGNATES LIMITS OF DISTURBANCE
 DESIGNATES APPROVED PERC TEST

THE HEALTH DEPARTMENT ACCEPTS THE PROPOSED MODIFICATIONS TO THE SEWAGE EQUIPMENT.
 S&L ENGINEERS SANITARIAN 11/3/95

SHANABERGER & LANE
 8726 TOWN & COUNTRY BLVD.
 SUITE 104
 ELLICOTT CITY, MD. 21043
 (410) 461-9563

SITE PLAN
 LOT 3
 WILLOW HIGHLANDS AT
 WILLOW SPRINGS GOLF COURSE
 PLAT # 7920
 3RD ELECTION DISTRICT
 HOWARD COUNTY, MD.
 SCALE: 1" = 50'
 DATE: 6/14/99
 REVISED: 10/25/95 GSS
 REVISED: 11/2/95 JAI

REVISIONS				
REV. NO.	DATE	REVISION REQUESTED BY	REVISION MADE BY	REVISION
1	10/25/95	J.S.	S&L	ADDED AREAWAY, REV. FF & GRADING
2	11/2/95	HOWARD CO. HEALTH DEPT.	S&L	REVISE SEPTIC AREA & SEPTIC DESIGN JAE



SEPTIC SYSTEM DATA

INV. @ HOUSE: 553.4

SEPTIC TANK

EX. GRADE 555.0
 FIN. GRADE 555.0
 INV. IN 552.9
 INV. OUT 552.2

DISTRIBUTION BOX

EX. GRADE 554.3
 FIN. GRADE 554.3
 INV. IN 551.44
 INV. OUT 551.44

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

	TRENCH #1	TRENCH #2
EX. GRADE	554	553.3
FIN. GRADE	554	553.3
INV. IN	550.4	549.8

- NOTE: 1) GRAVITY SEWER SERVICE TO BASEMENT LEVEL IS NOT AVAILABLE.
 2) TOTAL AREA DISTURBED: 18,700 sq ft

DENOTES 10,000 sq ft PRIVATE SEWAGE EASEMENT PER PLAT # 1920
 DENOTES REVISED 18,000 sq ft PRIVATE SEWAGE EASEMENT.

DESIGNATES DIRECTION OF DRAINAGE
 DESIGNATES LIMITS OF DISTURBANCE
 DESIGNATES APPROVED PERC TEST

SHANABERGER & LANE
 8726 TOWN & COUNTRY BLVD.
 SUITE 104
 ELLICOTT CITY, MD. 21043
 (410) 461-9363

SITE PLAN
 LOT B
 WILLOW HIGHLANDS AT
 WILLOW SPRINGS GOLF COURSE
 PLAT # 1920
 3RD ELECTION DISTRICT
 HOWARD COUNTY, MD.
 SCALE: 1" = 50'
 DATE: 6/14/89
 REVISED: 10/25/95 GJS
 REVISED: 11/2/95 JAE