

1 Tax ID-05-409136

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 57016 D

A 37793

DISTRICT 5th

DATE 7-8-96

DATE SYSTEM APPROVED 9-4-96

INSPECTOR ALM

C.O. right from
after 2:30
8/30/96 well line
9/3/96 2:00
9/4/96
11:00 41 later C.O.

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 4410 Salem Bottom Road, Westminster, MD 21157 PHONE 875-4197

SUBDIVISION Clearview Estates LOT 13 ROAD 5205 Sheppard Lane

PROPERTY OWNER Patriot Homes, Inc. Jacobs

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - 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 - Place the distribution box 110' off the intersection of the 622.59' and 287.13' lot line and 75' off the intersection of the 248.00' and 332.19' lot lines as viewed from Sheppard lane. Run trenches on contour towards the 622.59' lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 7/1/96 DKS

PLANS APPROVED BY Donna K. Soe DATE 6/26/96

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

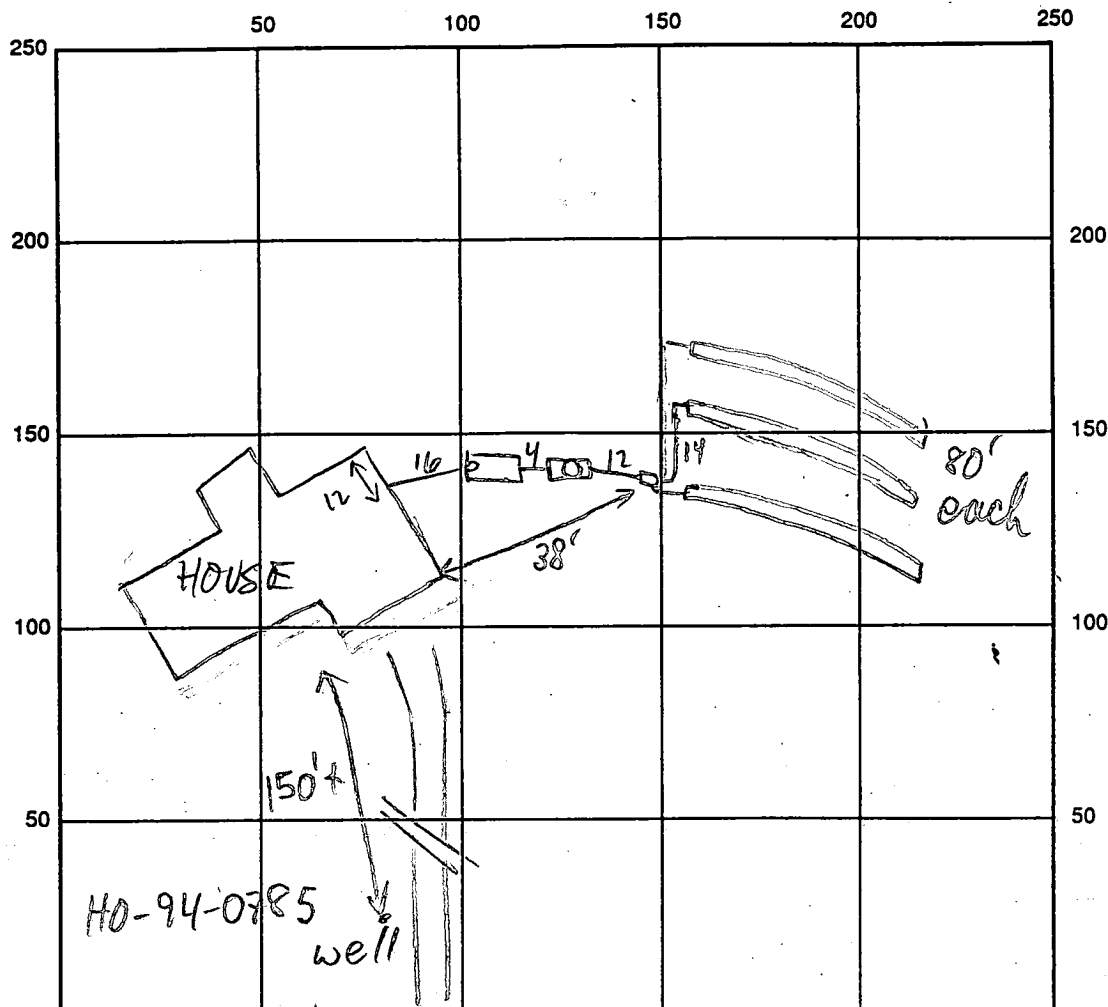
PERMIT VOID AFTER TWO YEARS

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 37793



5205

SHEPPARD LANE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 GAL - OK CLEANOUTS 1ST S.T. - OK (8"), 2ND S.T. - OK (MA)
 DISTRIBUTION BOX LEVEL 1000 GAL S.T. FOR FUTURE PUMP

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 3 @ 80 FT.

NUMBER OF TRENCHES 3 ONE-SIDEWALL/BOTTOM AREA 3 @ 240 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 8/30/96 OK TO COVER HOUSE TO S.T.; FUTURE PUMP PIT
SHOWN ON SITE PLAN NOT ON SPECS; ADVISED INSTALLER TO PUT IN
ADD'L 1000 GAL S.T. (OWNERS MAY CALL FOR EXPLANATION) MR
9/3/96 OK TO COVER TRENCHES ① & ②, DIG ③ MR
9/4/96 OK to cover all work final AU
WPI OK 3 1/2 B.G. MR 8/30/96

DATE SYSTEM APPROVED 9/4/96 INSPECTOR Amy McMullen

5/17/96

APPLICATION

PERCOLATION TESTING

A 37793

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Clearview Estates LOT NO. 13

ROAD AND DESCRIPTION Sheppard Lane

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 _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

37793

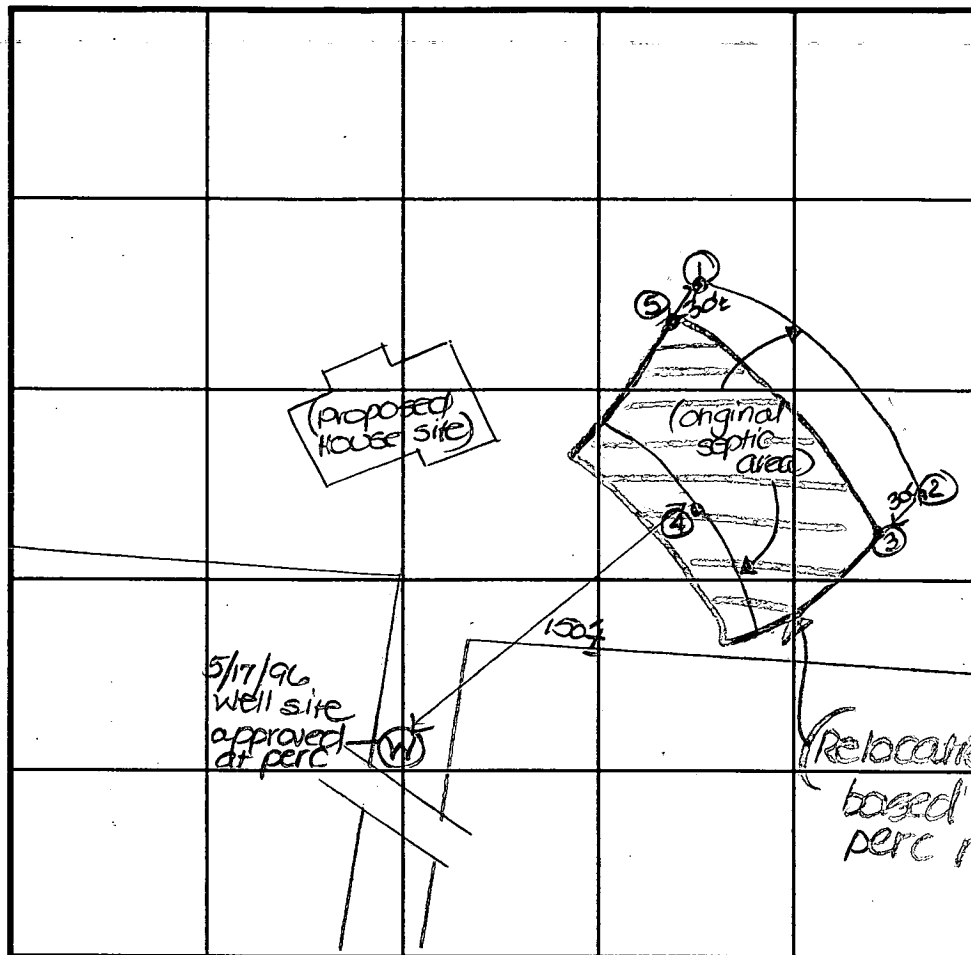
COUNTY #

SOIL PROFILE

①
0' topsoil
1' or br cl 1m
dk br el 1m
6' cave in
9' WATER

②
0' topsoil
1' red br cl 1m
6' mottled soil
8' WATER

③
0' topsoil
1' or red br cl 1m w/boulder
3.5' or br to lt br si 1m
5% rock frags
11.5' WATER



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Sheppard Lane

SOIL PROFILE

④/⑤
0' topsoil
1' or br cl 1m
3' lt or br to tan si 1m
5% rock frags
11.5'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-17-96	1	9.0'D	WATER	—	—	—	FAIL
	2	8.0'D	WATER	—	—	—	FAIL
	3	11.5'D	WATER	—	—	—	OK
	4	11.5'D	Visual	-See profile			OK
	5	11.0'D	Visual	-See profile			OK

REMARKS

TYPE OF SOIL

TESTED BY D. Soe ALSO PRESENT R. Dickens

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH 3'

INLET DEPTH 3.0' MAXIMUM BOTTOM DEPTH 5.0' SQ. FT./BEDROOM 180

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND · DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 32793

P _____

DISTRICT _____

DATE 10/09/86
June 30, 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 Conrad J. and Patricia Langenfelder Martha V. Langenfelder
11904 Clarksville Road 5511 Hamilton Avenue
ADDRESS Clarksville, Maryland 21029 PHONE Baltimore, Maryland 21206

PROPERTY LOCATION:

SUBDIVISION Clearview Langenfelder Farm Clearview Est. Sect LOT NO. Lot 13 149 Prelim
12 13

ROAD AND DESCRIPTION Maryland Route 108 and Shepherd Lane
5205 Shepards Lane

SIZE OF LOT 3.9 AC. TYPE BLDG. BLDG. PERMIT SIGNED
AND RETURNED 6-26-96
Serial # B00100390
Residential - 4 BRMS
(NUMBER OF BEDROOMS)

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 Double check if wet season needed.
for certified holes

THIS IS NOT A PERMIT

SOIL PROFILE

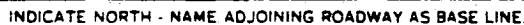
3

42

12'D

5' ↓

11



D

↓
- 10 1/2' 5% small
med weathered
12' D

⑤

similar to
D w/ 5-10%
small nod
frags at
8'
↓ 10%
hard

10% ~~10%~~

(F)

rock at
4"
and
↓
4 ft

SHALLOW SYSTEM ONLY
 REMARKS perc field only partially soaked; bubble of H₂O at 12' D
 TYPE OF SOIL orange/yellow brown silty + sandy loam, 5-20% small size frags
 TESTED BY B. Wilson ALSO PRESENT Jane, slinger
 NOTE: can extend slightly from D → F to get 10'
Almost 15' elev. diff. from high to low. test needed

WALLAN REA, JR.
558/341
ZONED - R

CHORD
S 16°32'19" E 183.39

F 88-165

CHARLES A. LANGENFELDER

ZONED - R

THE TWO LOTS
NOT BY PLAT

Relocation
based on perc
5/17/96
DLS

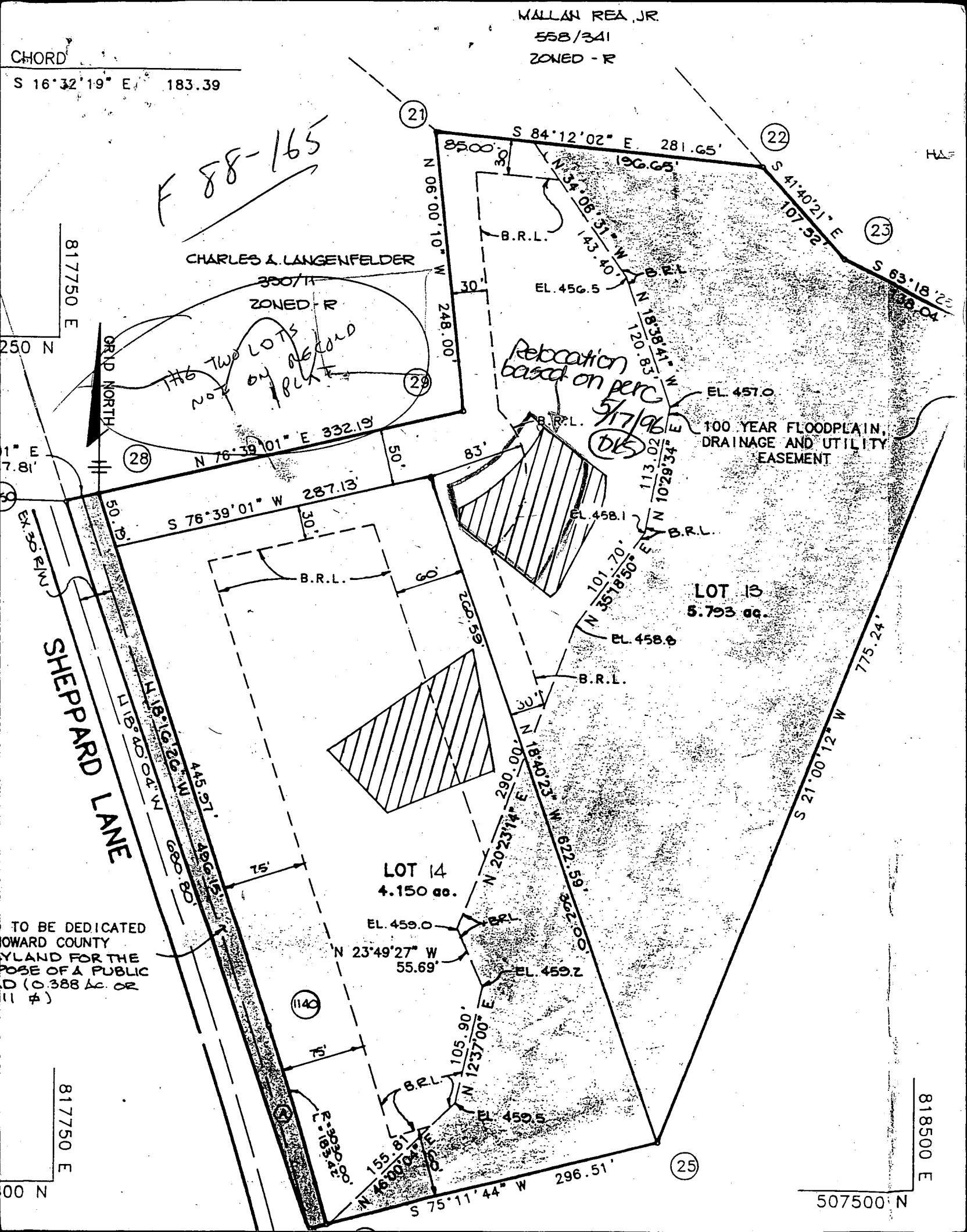
100 YEAR FLOODPLAIN,
DRAINAGE AND UTILITY
EASEMENT

LOT 13
5.793 ac.

LOT 14
4.150 ac.

SHEPPARD LANE

TO BE DEDICATED
TOWARD COUNTY
LAND FOR THE
PURPOSE OF A PUBLIC
ROAD (0.388 ac. or
11 #)



GRID NORTH

P88-04

CHARLES A. LANGENFELDER
390 / 11
ZONED - R

LAND TO BE DEDICATED
TO HOWARD COUNTY
FOR THE PURPOSE
OF A PUBLIC
ROAD

SHEPPARD LANE
(WILLOW COLLECTOR)

EXIST. PROPERTY LINE

WELL
HOUSE
BRL

LOT 14
1396 Ac. Gross
3.20 Ac. Outside
Floodplain &
Steep Slopes

EXISTING
PAVEMENT
WIDTH
VARIES

PROPOSED
GO-RAV

100 YEAR FLOODPLAIN
DRAINAGE AND UTILITY
EASEMENT

100-YEAR
FLOODPLAIN

X-SECTION 105

100 YEAR FLOODPLAIN
DRAINAGE AND
UTILITY EASEMENT

PLAN

R=3045.00'
L=184.78'

WELL

LOT 13

LOT 14

1396 Ac. Gross
3.20 Ac. Outside
Floodplain &
Steep Slopes

EXISTING
PAVEMENT
WIDTH
VARIES

PROPOSED
GO-RAV

100-YEAR
FLOODPLAIN

X-SECTION 105

100 YEAR FLOODPLAIN
DRAINAGE AND
UTILITY EASEMENT

PLAN

R=3045.00'
L=184.78'

WELL

LOT 13

LOT 14

1396 Ac. Gross
3.20 Ac. Outside
Floodplain &
Steep Slopes

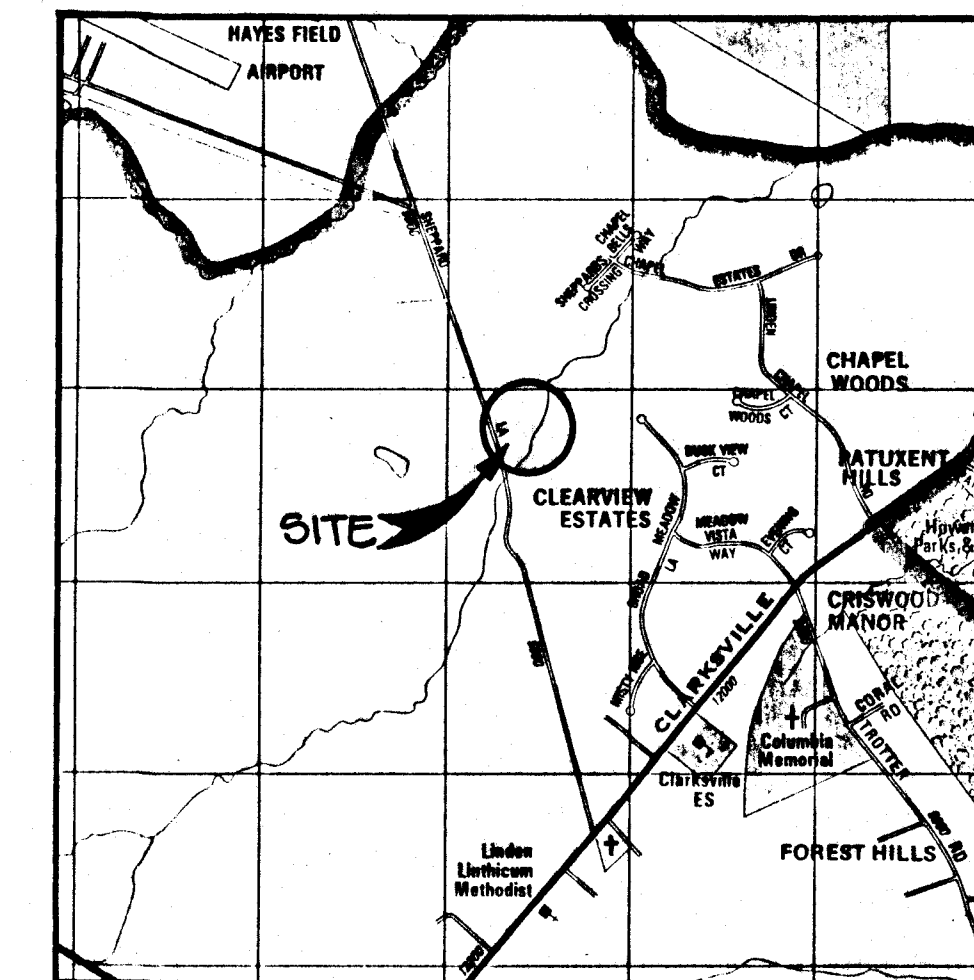
EXISTING
PAVEMENT
WIDTH
VARIES

PROPOSED
GO-RAV

100-YEAR
FLOODPLAIN

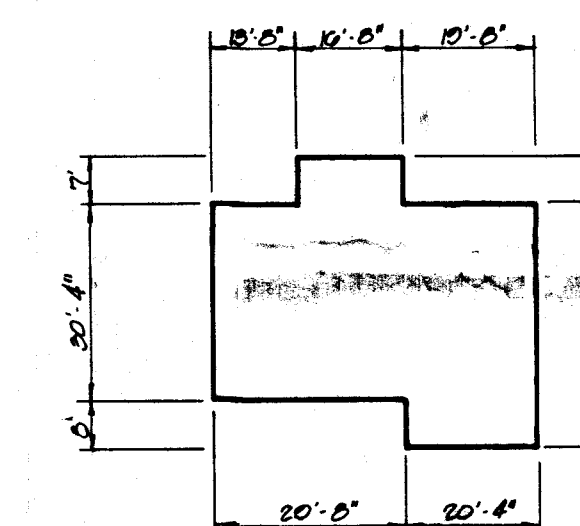
X-SECTION 105

100 YEAR FLOODPLAIN
DRAINAGE AND
UTILITY EASEMENT

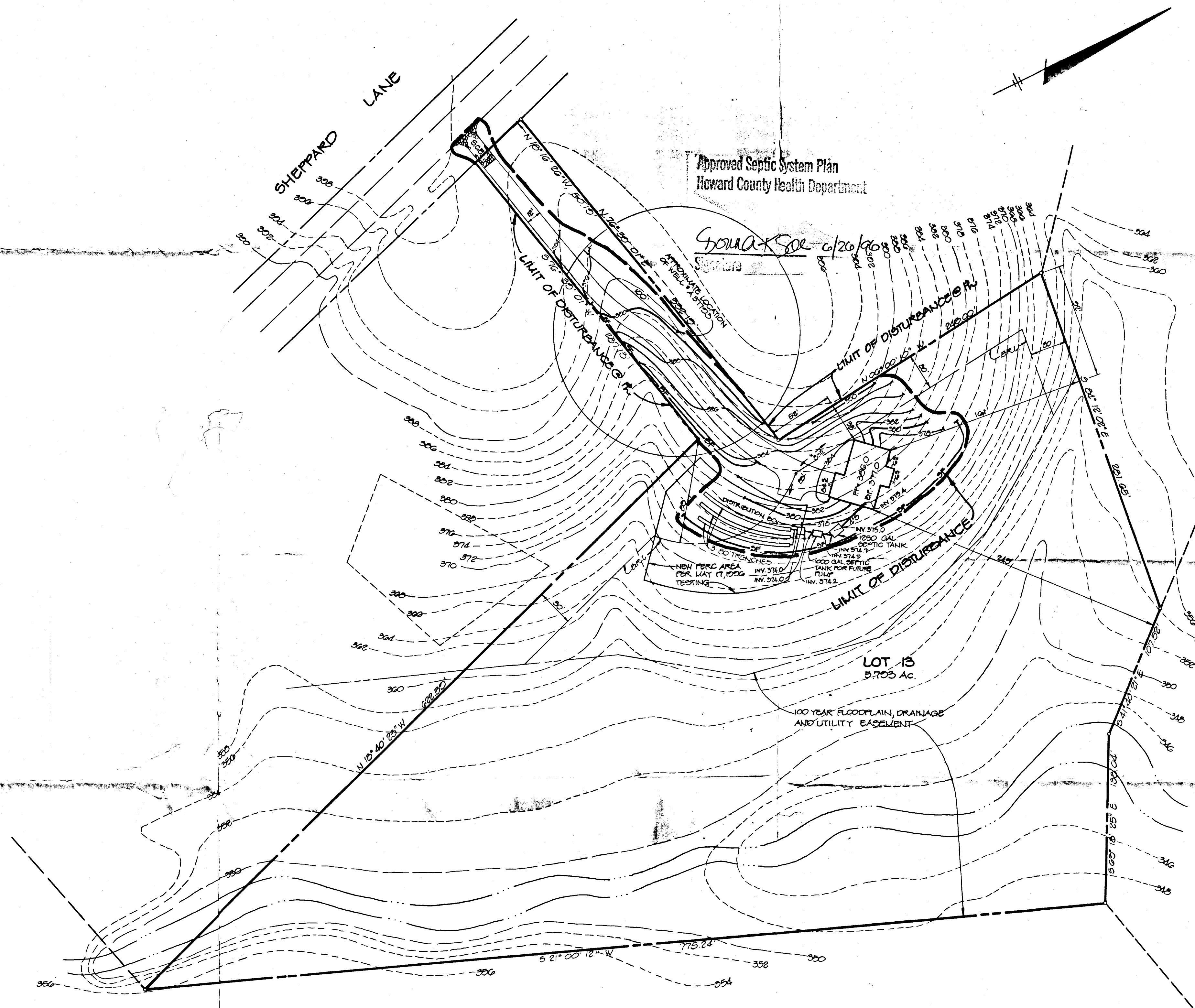


VICINITY MAP
SCALE: 1" = 2000'

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HOUSE PLAN
NO SCALE



PLAN
SCALE: 1" = 50'

SEPTIC SYSTEM DESIGN

100 SF OF TRENCH IS REQUIRED/ BEDROOM
100 SF * 4 BEDROOMS = 720 SF

DESIGN DATA

INLET @ 5' DEPTH
2' DEPTH OF STONE
BOTTOM @ 5'
3' WIDE TRENCH

TOTAL TRENCH LENGTH NEEDED = 720/3 = 240'

NOTE: EXISTING TOPOGRAPHY IS TAKEN FROM
HOWARD COUNTY 200' SCALE TOPOGRAPHY.

DATE	NO.	REVISION
		OWNER/DEVELOPER
PROJECT: CLEARVIEW ESTATES SECTION ONE LOT 12		
AREA		
TITLE: PLOT PLAN		
RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-8282		
DATE	DESIGNED BY: GJK	
	DRAWN BY: WAD	
	PROJECT NO: 06E3400	
	DATE: JUNE 10, 1999	
	SCALE: AS SHOWN	
	DRAWING NO. 1 OF 1	