

APPLICATION

PERCOLATION TESTING

A 49647 D

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT 4th

DATE 9/30/93

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 Parcel 137, Inc.
15298 Union Chapel Road
ADDRESS Woodbine, MD 21797 PHONE (410) 442-2101

AGENT OR PROSPECTIVE BUYER Engineer: TSA Group, Inc.
8480 Baltimore National Pike, Ste. 418
ADDRESS Ellicott City, MD 21043 PHONE (410) 465-6105

PROPERTY LOCATION:

SUBDIVISION Cattail Woods - Section 2 LOT NO. Preserv. Pcl. B

ROAD AND DESCRIPTION End of Brittle Branch Way

TAX MAP 7 PARCEL # 137

SIZE OF LOT 1 Ac +/- TYPE BLDG. Single Family Dwelling
(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. Parcel 137, Inc. Bruce B. Benda President
(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

APPLICATION

PERCOLATION TESTING

A 492470

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 9-27-93

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 Bruce Brendle

ADDRESS 15298 Union Chapel Rd PHONE _____

AGENT OR PROSPECTIVE BUYER Joint Venture

ADDRESS 1555 Union Chapel Rd PHONE _____

PROPERTY LOCATION:

SUBDIVISION Cattail Woods Sec II s/d LOT NO. Preserv. Pcl B

ROAD AND DESCRIPTION Rt. 97

TAX MAP 7 PARCEL # 137

SIZE OF LOT 1/2 ACRE TYPE BLDG. SFD
(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.

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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

A49647D

COUNTY #

SOIL PROFILE

307 | 208

0' reddish
brn
sil
5-10%
Saprolite
OK
mica

10 1/2'

309

25%
Saprolite
SCL

3 1/2' red/brn
sil
5-10%
Saprolite

9' hard
bottom

310

>50%
shale
through-
out
lgt/brn
sil

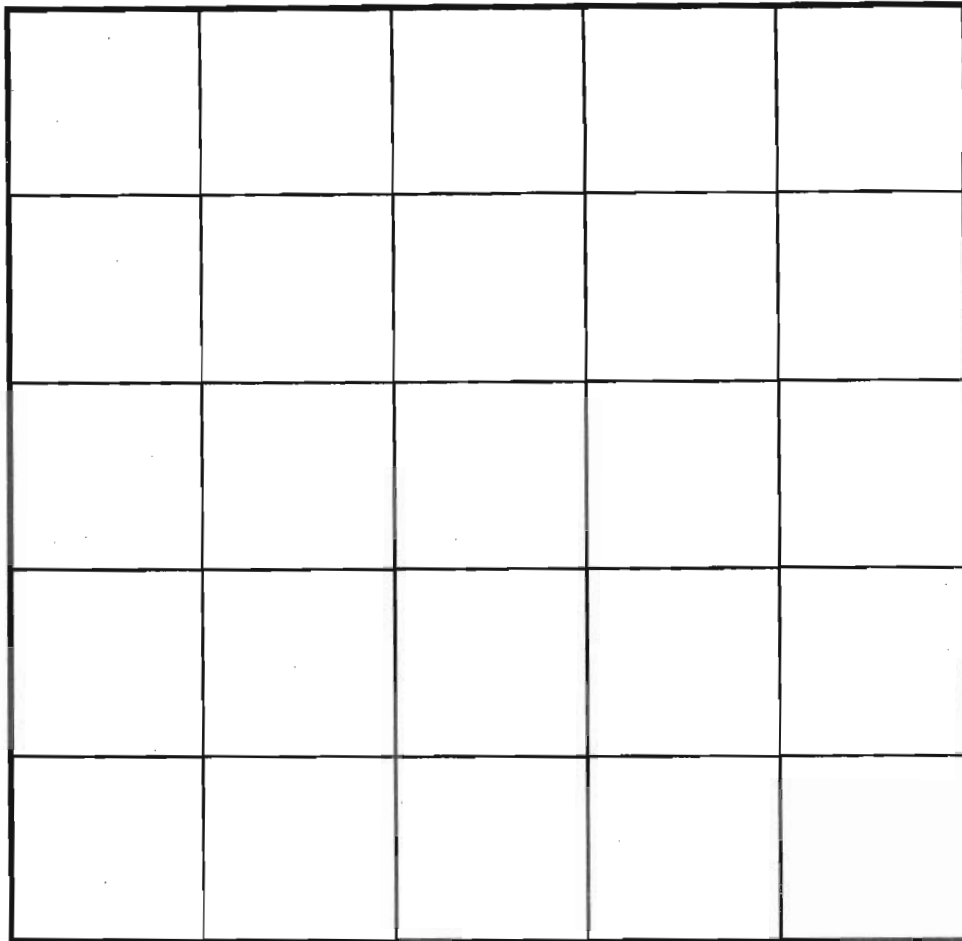
SOIL PROFILE

320

0' yel CL
w/ shale

3' red/brn
sil
20-30%
shale

10'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/27/94	(307)	2 1/2' / v11 1/2'	12:57	12:58	12:58	12:59 ³⁰	1 1/2 min
	(308)	3' / v10 1/2'	1:03	1:04 ¹⁵	1:04 ¹⁵	1:06 ¹⁵	2 min
	(309)	2 1/2' / v9'	1:12 ¹⁵	1:14 ⁴⁵	1:14 ⁴⁵	1:18 ³⁰	3 3/4 min
	310	Visual	to 8'	>50% rock			F
	(320)	3' / v10'	2:12	2:13	2:13	2:15	2 min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMiller ALSO PRESENT B Sanders

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

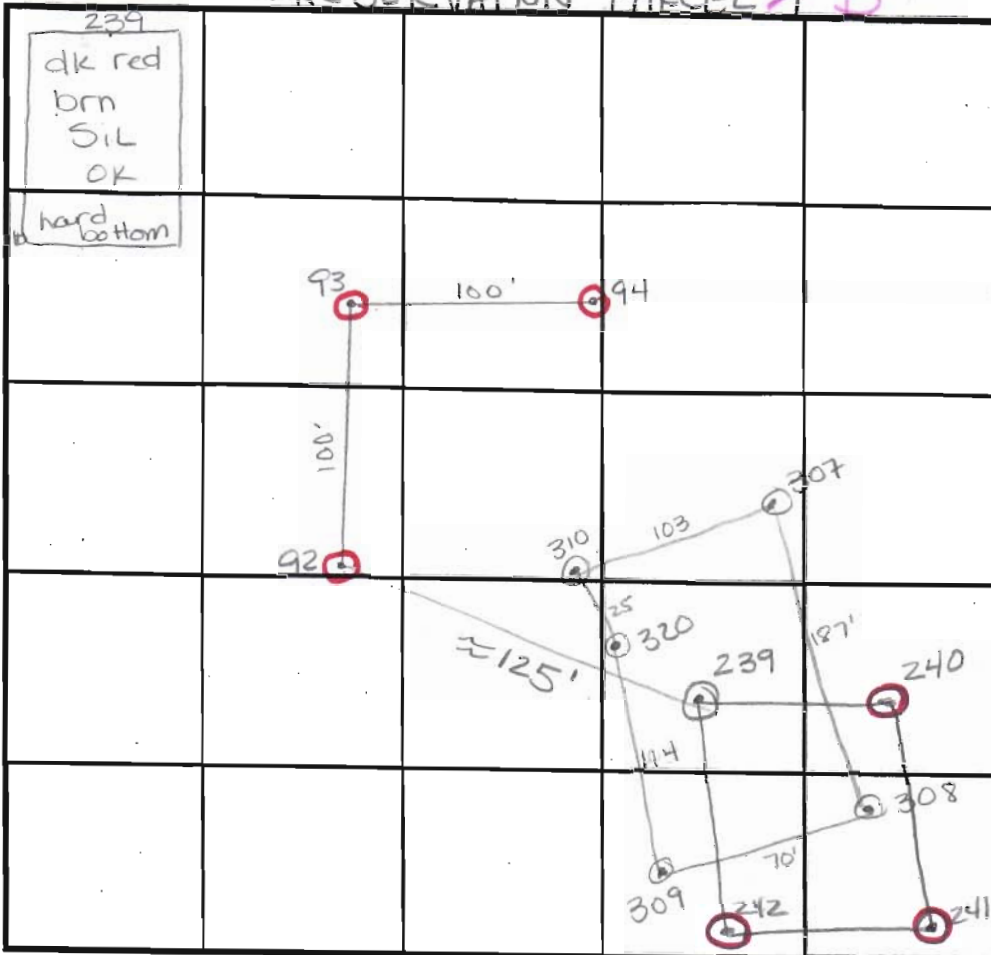
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

PRESERVATION PARCEL **B**

COUNTY #

SOIL PROFILE

94
0'
brn/tau
CL
4'
>50% rock
8'



SOIL PROFILE

240
0'
>50% shale throughout
mottles
hard bottom
6 1/2'
241
brn SCL
5 1/2'
>50% saprolite/rock mix
hard bottom
12'
242
>50% shale/saprolite throughout
hard bottom
9'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

93
red C
30-40% shale
vertical fractures
>50% shale
red sil

92
red CL
1 1/2'
red sil
>50% shale
12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/15/93	94	Visual to 8'	>50% shale	---	---	---	F
}	93	Visual to 10'	>50% shale	---	---	---	F
	92	Visual to 12'	>50% shale	---	---	---	F
3/16/94	239	6' / 10'	1:10 ³⁰	1:11 ¹⁵	1:11 ¹⁵	1:13 ¹⁰	2min
3/16/94	240	Visual to 6 1/2'	- hard bottom	---	---	---	F
3/16/94	241	Visual to 12'	- hard bottom	---	---	---	F/Debate
3/16/94	242	Visual to 9'	- hard bottom	---	---	---	F

REMARKS Didn't test 61 because probably same results
 TYPE OF SOIL Clayey Loam
 TESTED BY A. McMiller / C. Williams ALSO PRESENT B. SANDERS
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

MATCH LINE A-A

CATTAIL WOODS
SECTION 2
(F-95-109)

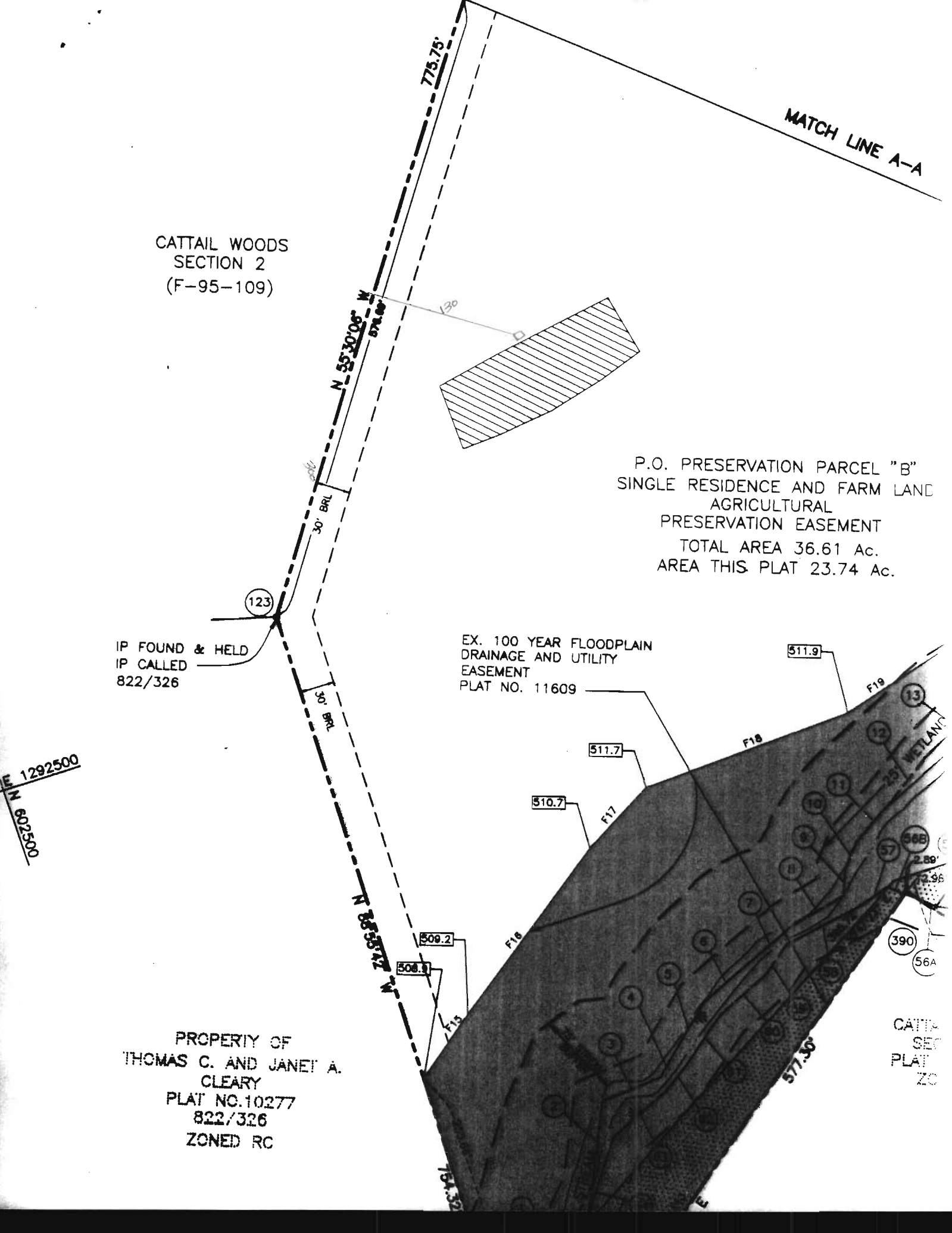
P.O. PRESERVATION PARCEL "B"
SINGLE RESIDENCE AND FARM LAND
AGRICULTURAL
PRESERVATION EASEMENT
TOTAL AREA 36.61 Ac.
AREA THIS PLAT 23.74 Ac.

IP FOUND & HELD
IP CALLED
822/326

EX. 100 YEAR FLOODPLAIN
DRAINAGE AND UTILITY
EASEMENT
PLAT NO. 11609

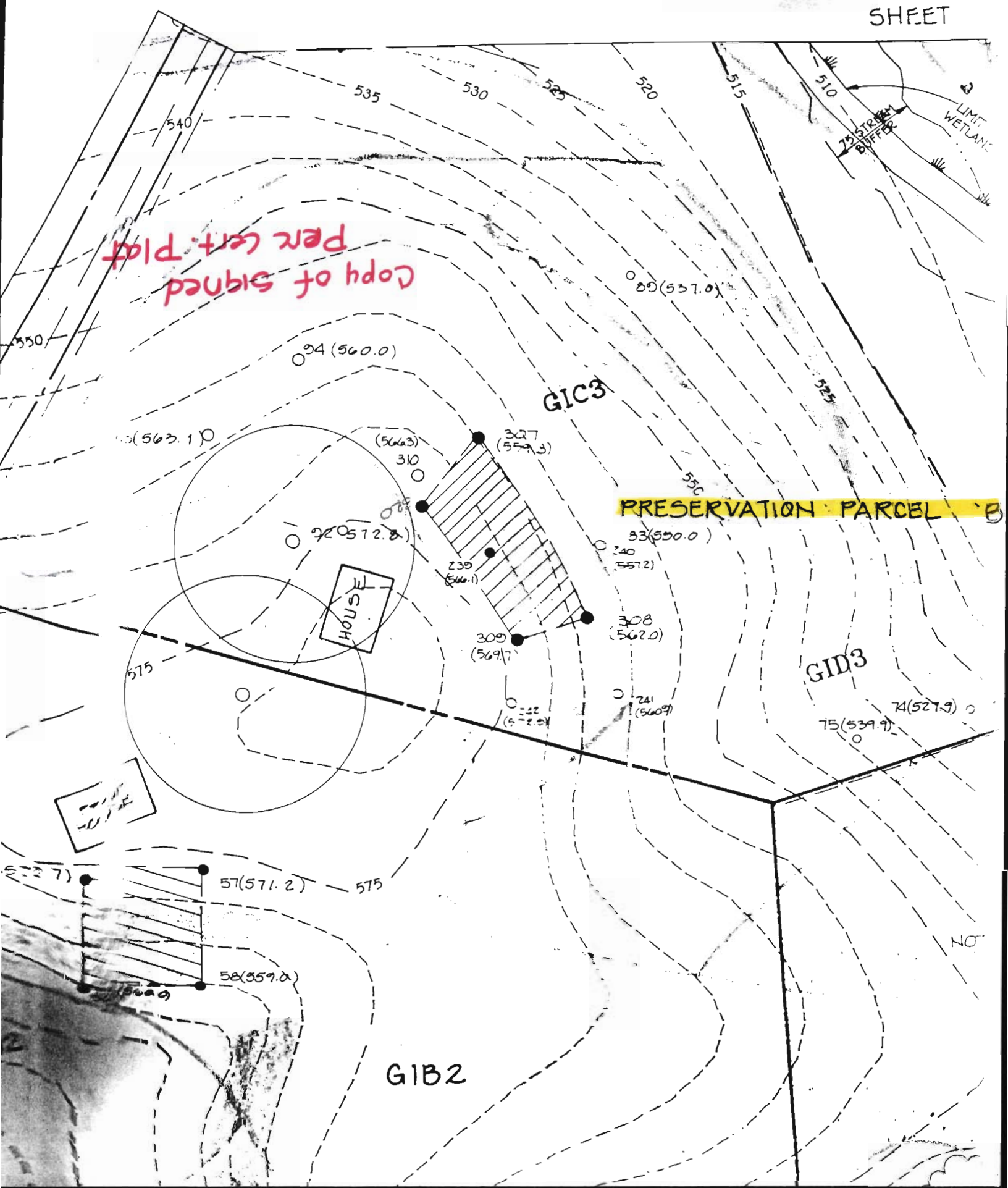
E 1292500
N 602500

PROPERTY OF
THOMAS C. AND JANEI A.
CLEARY
PLAT NO. 10277
822/326
ZONED RC



CATTAIL
SECTION
PLAT
ZONED

Copy of signed Plat
Per Cent. Plat



PRESERVATION PARCELS "B"
AFTER SUBDIVISION
SINGLE RESIDENCE AND FARM LAND
AGRICULTURAL LAND
PRESERVATION EASEMENT
37.17 Ac ±

EX-50' COLONIAL
PIPELINE R/W
10067274

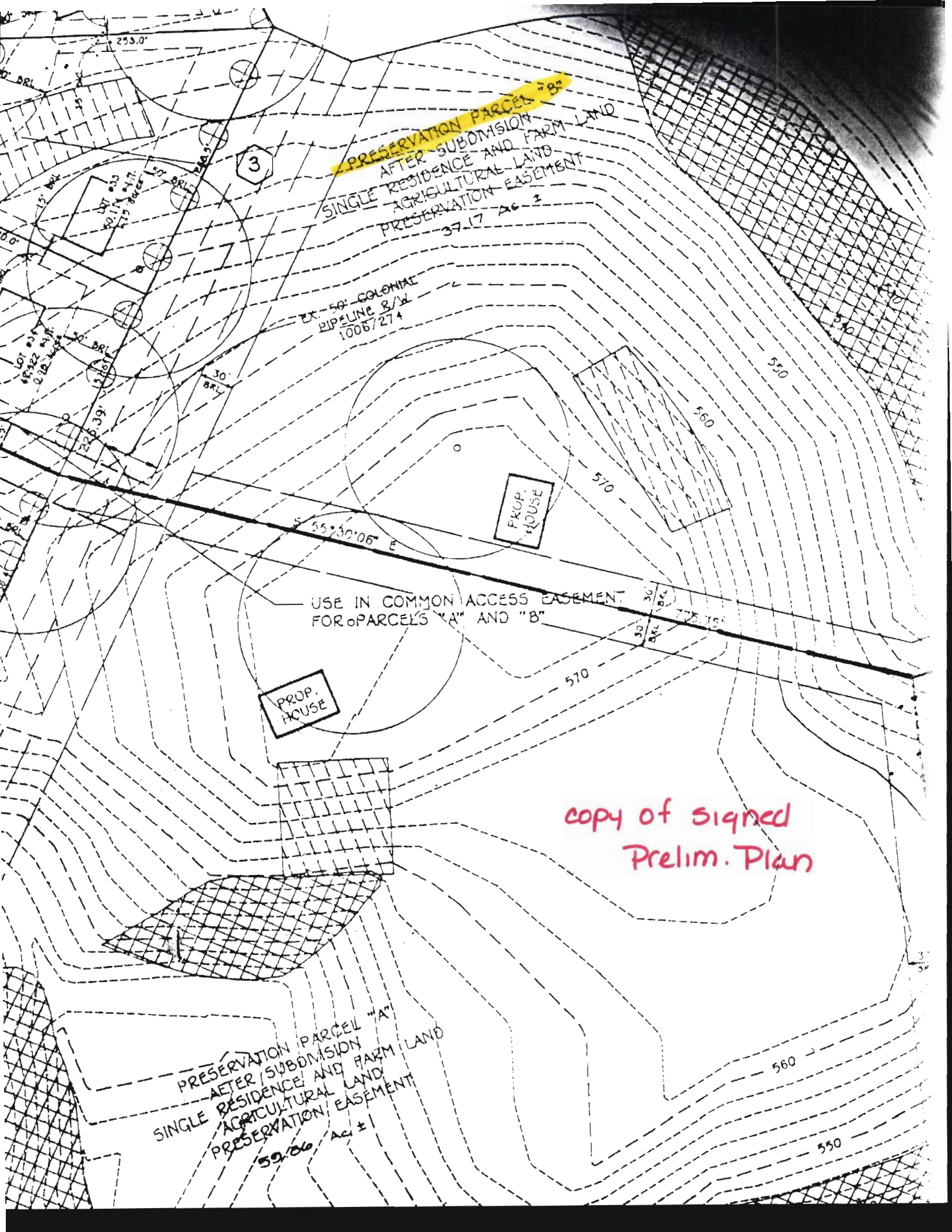
USE IN COMMON ACCESS EASEMENT
FOR PARCELS "A" AND "B"

PROP. HOUSE

PROP. HOUSE

copy of signed
Prelim. Plan

PRESERVATION PARCEL "A"
AFTER SUBDIVISION
SINGLE RESIDENCE AND FARM LAND
AGRICULTURAL LAND
PRESERVATION EASEMENT
59.86 Ac ±



SUBDIVISION: Cattail Woods Sec. II

A 49647-D

LOT NUMBER: Preservation Parcel B

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
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 3 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.

- 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: 10/31/95 Beginning from the intersection of the 754.32 and 745.75 lot lines, place distribution box 300 feet up the 745.75 lot line and 130 feet off that same lot line. Run trenches on contour in both directions.