

6/19/98
pm co.
9/17/98
WPT-
MPT-
MPT-

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

04-359216

P 510194

A 49644-H

DISTRICT 4th

DATE 6-10-98

DATE SYSTEM APPROVED 6.19.98

INSPECTOR AT

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXX~~ 410-313-2640

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 410-795-5674

SUBDIVISION Cattail Woods, Section II LOT 19 ROAD 1724 Cattail Meadows Drive

PROPERTY OWNER Pulte Home Corporation

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS *****CALL FOR SITE INSPECTION PRIOR TO BEGINNING AND WORK*****

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 - Beginning from the intersection of the 61.43' and 354.94' lot lines, begin trenches 95 feet up the 354.94' lot line and 30 feet off that same lot line. Run trenches on contour toward the back of the lot (240.60' 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 KM 6.9.98

PLANS APPROVED BY Amy McMillen/Mark Rifkin DATE 06/05/98

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.

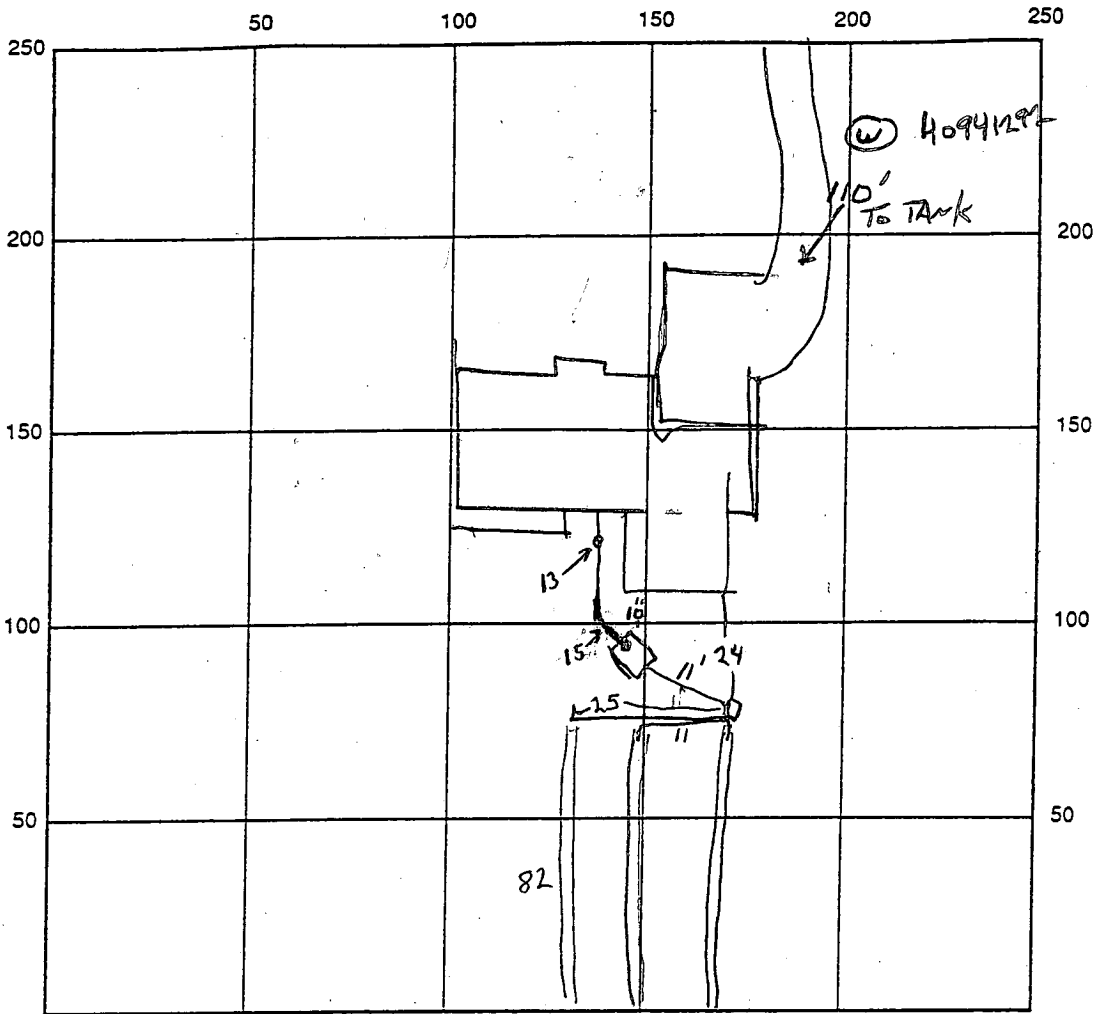
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

HD-260(6-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

H-774967 A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK - 1250 CLEANOUTS 2

DISTRIBUTION BOX LEVEL OK LEVELERS TO BE INSTALLED

DRAIN FIELD/TITLE DEPTH 25 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 3x82 FT. = 246

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 738 SQ. FT.

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

ABSORBENT AREA - SQ. FT.

REMARKS: 6/19/98 Contractor reports gravity system w/ correct inverts is possible -
No site insp needed - OR for contractor to proceed w/o preinstallation insp. AU
6-19-98 FINAL - COVER ALL WORK. AK

9/17/98 WPI - OK to cover P.A. 4' below grade, casing 1' above grade,
has 2 piece cap, line covered at house (EM)

8-5-98 NO P.H.U.S.S. AU

DATE SYSTEM APPROVED 6-19-98 INSPECTOR Hel. Burg

APPLICATION

PERCOLATION TESTING

A 49644R
P _____

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

DISTRICT 4th
DATE 9/30/95

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. Pulte Home Corp.
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. 19
ROAD AND DESCRIPTION End of Brittle Branch Way (1724 Cattail Meadows Drive)

TAX MAP 7 PARCEL # 137

SIZE OF LOT 1 Ac +/- TYPE BLDG. Single Family Dwelling - 4Bm
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED

AND RETURNED 6-5-98

Serial # B0112025

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. Bandal 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

COUNTY # _____

SOIL PROFILE

0'

SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A 49644R

FP _____

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

DISTRICT _____

DATE 9-27-95

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 Callow Woods Sec II LOT NO. 19

ROAD AND DESCRIPTION Rt 97 Sid

TAX MAP 7 PARCEL # 137

SIZE OF LOT 1 ACRE TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE! FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES! 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 PLAN/PRELIMINARY PLAN - TITLE OR I.D.# _____ DATE _____

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

THIS IS NOT A PERMIT

A49644R
COUNTY #

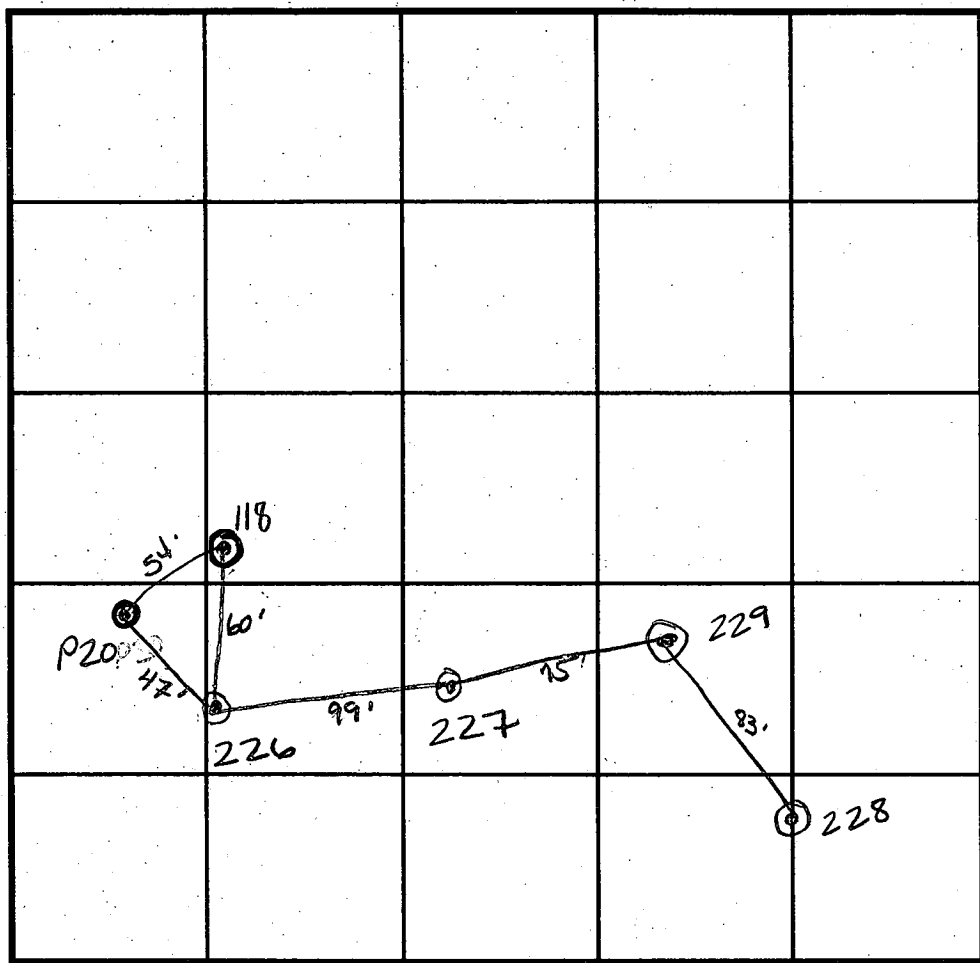
Lot 21 ~~19~~

SOIL PROFILE
228/229

0'
pockets of >50% rock throughout profile - sides of hole collapsing lgt/redbrn sil
11'
saprolite mixed in

SOIL PROFILE
P20

0'
topsoil
6"
red c
2'
red/brn sil
11'
>50% rock between 4-8'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

227

2'
dkr red scl
lgt red sil with saprolite throughout
12 1/2'

226

1 1/2'
red c
>50% rock - saprolite mix
8'
hard bottom

118

4'
red/brn cl
red/brn sil shaley at 6' - >50% rock
7'
12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/16/94	228	Visual	to 11'	rock	—	—	F
	229	Visual	to 12'	rock	—	—	F / may dispute
	227	4' / 1/2	1:41 ³⁰	1:43	1:43	1:45 ¹⁵	2 1/4 min
	226	Visual	to 8'	rock	—	—	F
11/15/93	20	Visual	to 11'	rock	—	—	F
11/3/93	118	3' / 1/2	12:49	12:52	12:52	12:59	7 min
		6' / 1/2	1:53	1:57	1:57	2:01	4 min

REMARKS 118 Fails At 7'

TYPE OF SOIL _____

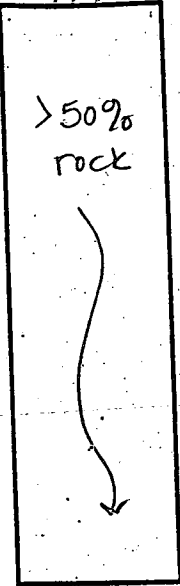
TESTED BY A. McMillen / C. Williams ALSO PRESENT B. SANDERS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

COUNTY #

SOIL PROFILE 117



116

red C

4
brn w/ red tint and yellow's red streaks
Some shale
OK

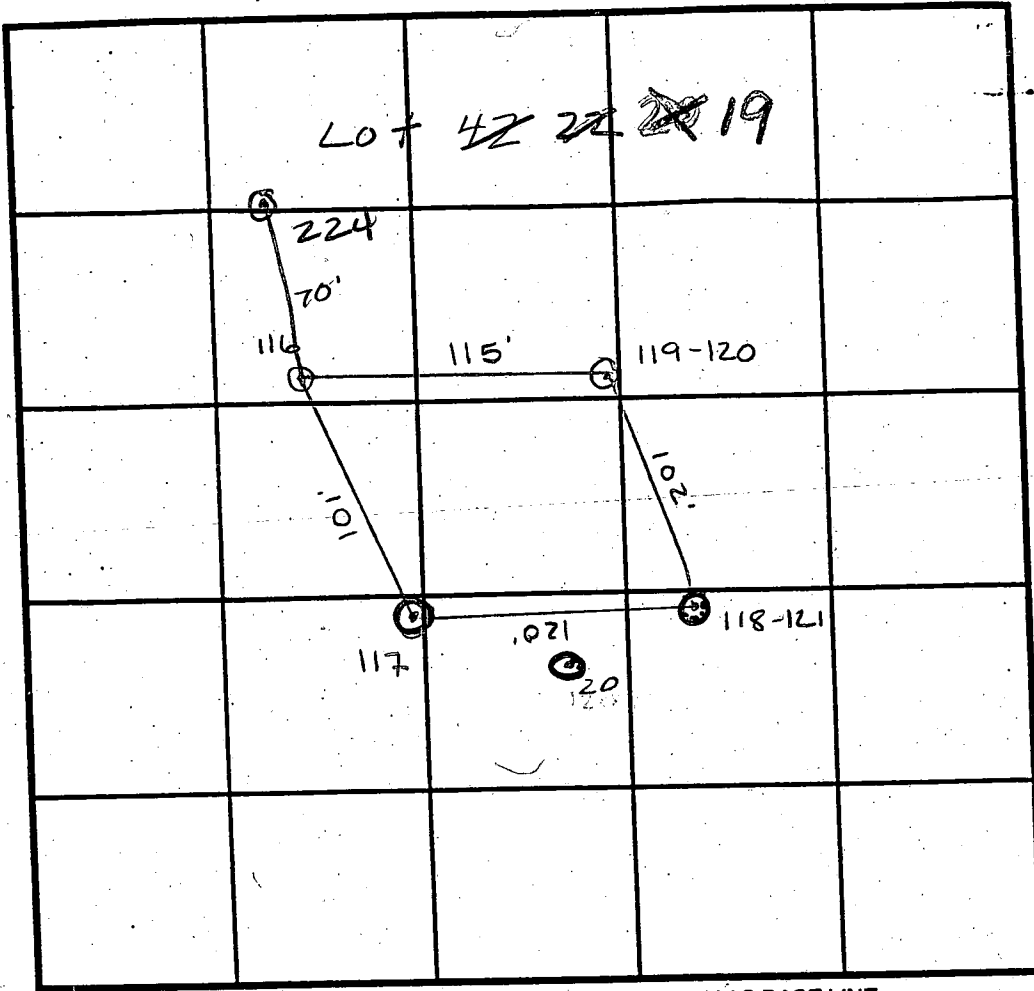
12'

118-121
red/brn CL

4
red brn SIL

shaly at 8'

>50% at 7'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE 119-120

red CL

3
brn w/ yellow's red streaks (in rock) decayed shale starting at 6' then turning into shale at 8'

12'

224

dk red/brn CL

6'
brn w/ orange tint soil suprolite mix throughout

13 1/2'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/7/93	117	VID'	>50%	shale			F
	116	4' VID'	12:42 ³⁰	12:48	12:48	12:54	6min
	118-121	3' VID'	12:49	12:52	12:52	12:59	7min
		6' VID'	1:53	1:57	1:57	2:01	4min
	119-120	4' VID'	12:55 ³⁰	12:59	12:59	1:01	3min
11/15/93	20	Visual to 11'	>50%	rock			F
3/17/94	224	Visual to 13 1/2'					OK

REMARKS shallow system only 118-FAILS AT 7'

TYPE OF SOIL Glenelg LOAM

TESTED BY A. McMillen / A. Nadeau ALSO PRESENT B SAUNDERS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

see remarks

COUNTY #

SOIL PROFILE 122

1'0" brn/red
dk
C

3' dk brn/red

Si SL
Saprolite
flags
throughout

123

6" top soil
orange
brn
CL

2 1/2" brn

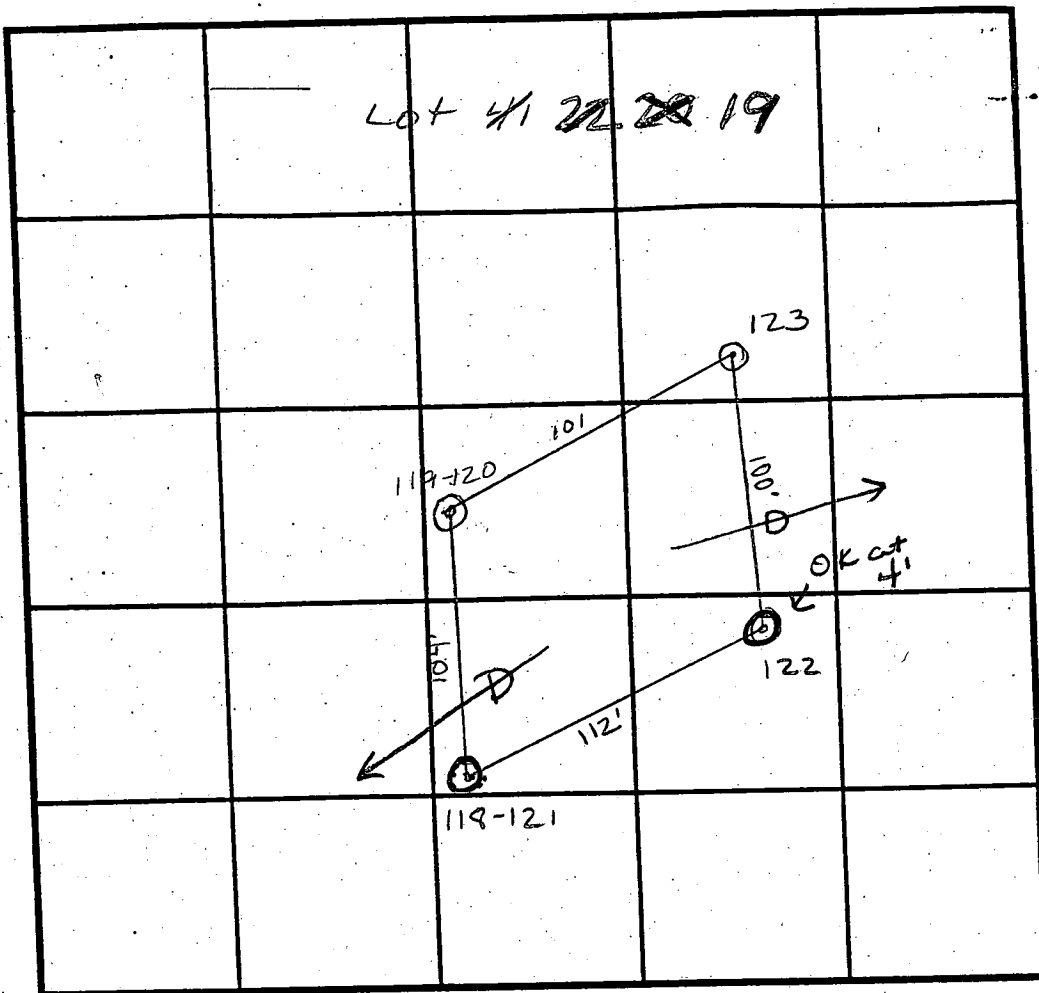
Si L
w/ some
Saprolite
OK

118-121

red/brn
CL

4' Red/brn
Si L
Shaley
at
6'

Lot #1 ~~22~~ 19



SOIL PROFILE 119-120

0' red CL

3' brn w/ yel & red streaks (in rock) decayed shale at 6' turning into shale at 8'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/7/93	122	2 1/2' / V13'	10:45	> 30-min			Flow
	122	4' / V13'	1:20	1:22	1:22	1:24	2 1/4 min
	123	3' / V11 1/2'	1:31	1:33 ³⁰	1:33 ³⁰	1:38	4 1/2 min
	118-121	3' / V12'	12:49	12:52	12:52	12:59	7 min
	118-121	6' / V12'	1:53	1:57	1:57	2:01	4 min
	119-120	4' / V12'	12:55 ³⁰	12:59	12:59	1:01	2 min

REMARKS Shallow system only 118 FAILS AT 7'

TYPE OF SOIL Gken. lg Loam

TESTED BY A. McMillen / A. Nadeau ALSO PRESENT B SANDERS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5 min TRENCH WIDTH 3'

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 180

C1 09471 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A49646 BH

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1292

OWNER 206 Joint Venture last name Cattail Meadows first name TOWN Lisbon SUBDIVISION Cattail Woods SECTION LOT 19

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Dirt, Soft Br. Shale, Soft Blue Shale, Hard Blue Schist, etc.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY) NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (S, T, P, O) Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used) diameter, depth (feet)

SCREEN RECORD

screen type or open hole (S, B, P, H, O) DEPTH (nearest ft.) table with depth intervals and casing heights

PUMPING TEST

HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED

NUMBER OF UNSUCCESSFUL WELLS: 2 WELL HYDROFRACTURED (Y/N)

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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. 1 MND 256 Dana Kyker Jr II DRILLERS SIGNATURE LIC. NO. 1 MND 334 Dana Kyker Jr II

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (YES/NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

CATTAIL MEADOWS DEVELOPMENT

W-58968

B 1 **8748** SEQUENCE NO (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

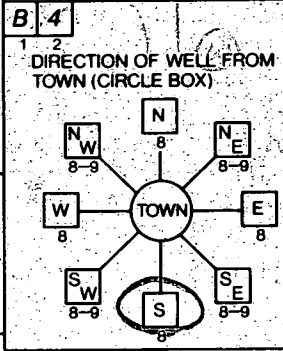
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
110-94-1292
 fill in this form completely

Date Received (APA) **090197**
 OWNER INFORMATION
206 JOINT VENTURE
 Last Name Owner First Name
15555 UNION CHAPEL
 Street or RFD
WOODBINE **MD21797**
 Town State Zip

B 3 LOCATION OF WELL
HOWARD COUNTY
CATTAIL WOODS SUBDIVISION
 SECTION **119** LOT
LISBON NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **1** MI

DRILLER INFORMATION
 DRILLER'S NAME **DANA KYKER** License No. **256**
 Firm Name **Westminster Rotary Well Drill**
 Address **PO Box 861 West MD 21157**
 Signature **Dana Kyker** Date **9-10-97**



CATTAIL MEADOW NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 DISTANCE FROM ROAD **25** FT
 ENTER FT OR MI **FT**
 TAX MAP: **7** BLK: _____ PARCEL **137**

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL PER MIN) **6**
 AVERAGE DAILY QUANTITY NEEDED (GAL PER DAY) **415**

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 County Name **Howard** County No. **H49646 BH**
 STATE SIGNATURE **Kim Mist** DATE ISSUED **9/24/98**
 NORTH GRID **542000** EAST GRID **0778000**

APPROXIMATE DEPTH OF WELL **270** FEET

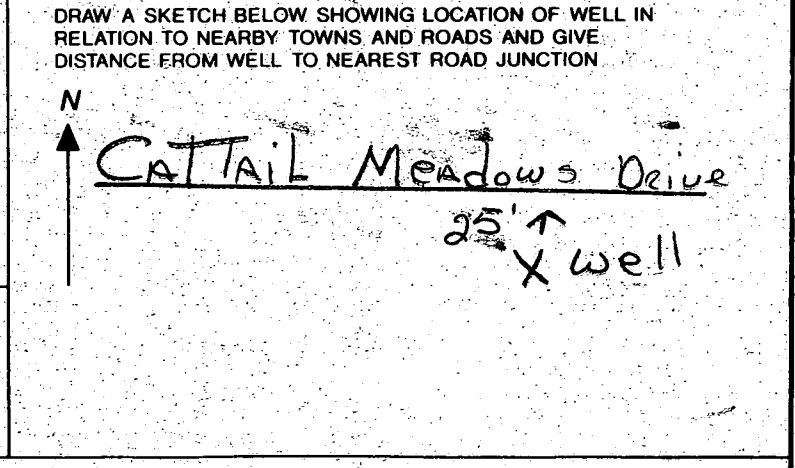
APPROXIMATE DIAMETER OF WELL **6"** NEAREST INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVerse-ROTARY Drive-POINT
 other _____

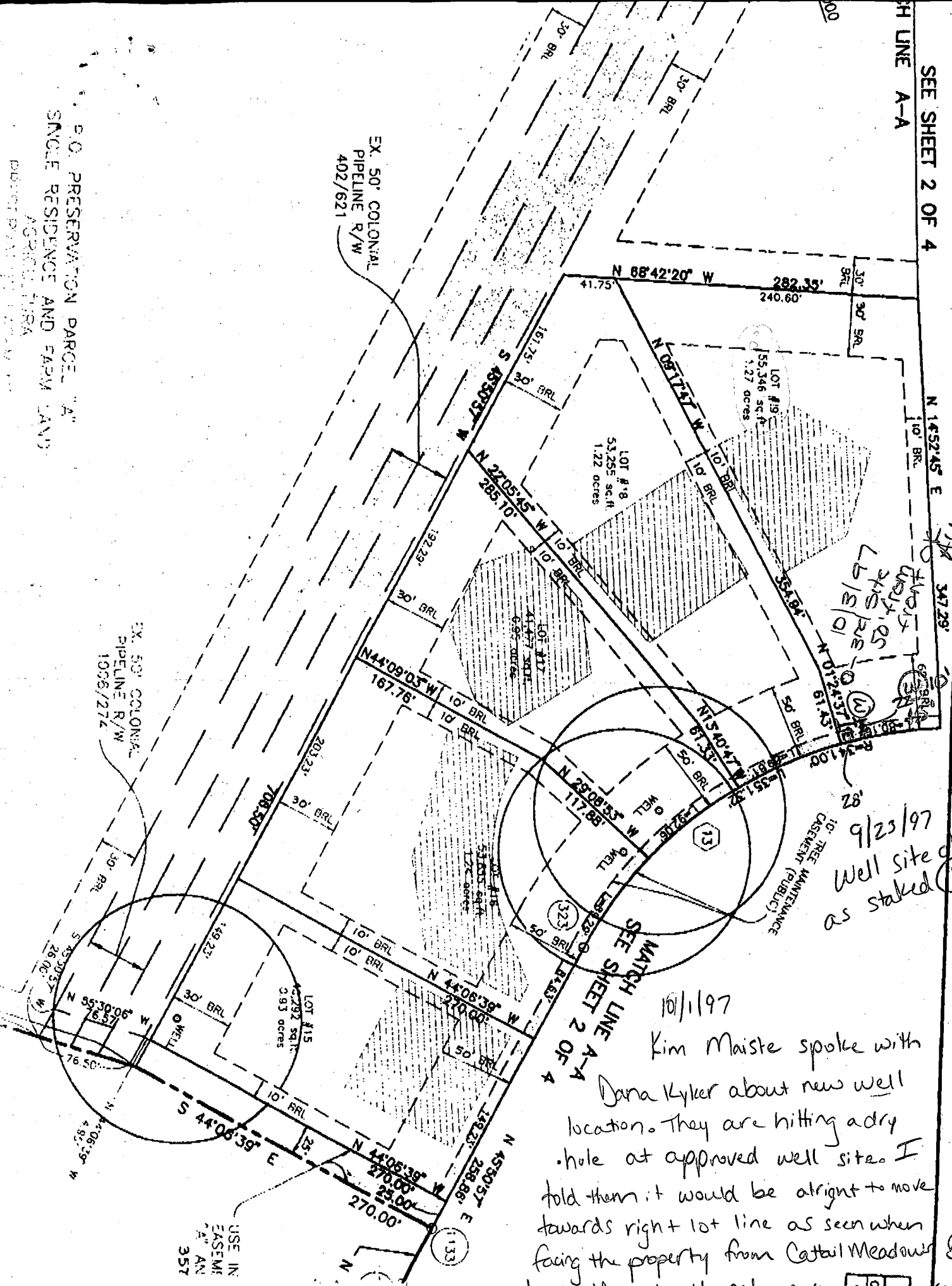
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER **G A P**
 FORCE **KIM** WRITE INITIALS IN BOX PERMIT No. **110-94-1292**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. **CITY**
 2. _____
 3. _____
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **78178**
 N **542**



P.O. PRESERVATION PARCEL "A"
SINGLE RESIDENCE AND FARM LAND
AGRICULTURE



EX. 50' COLONIAL
PIPELINE R/W
1006/274

EX. 50' COLONIAL
PIPELINE R/W
402/621

USE IN
EASEME
4" AN
357

LOT #9
55,346 sq.ft
1.27 acres

LOT #8
53,265 sq.ft
1.22 acres

LOT #11
4,147 sq.ft
0.09 acres

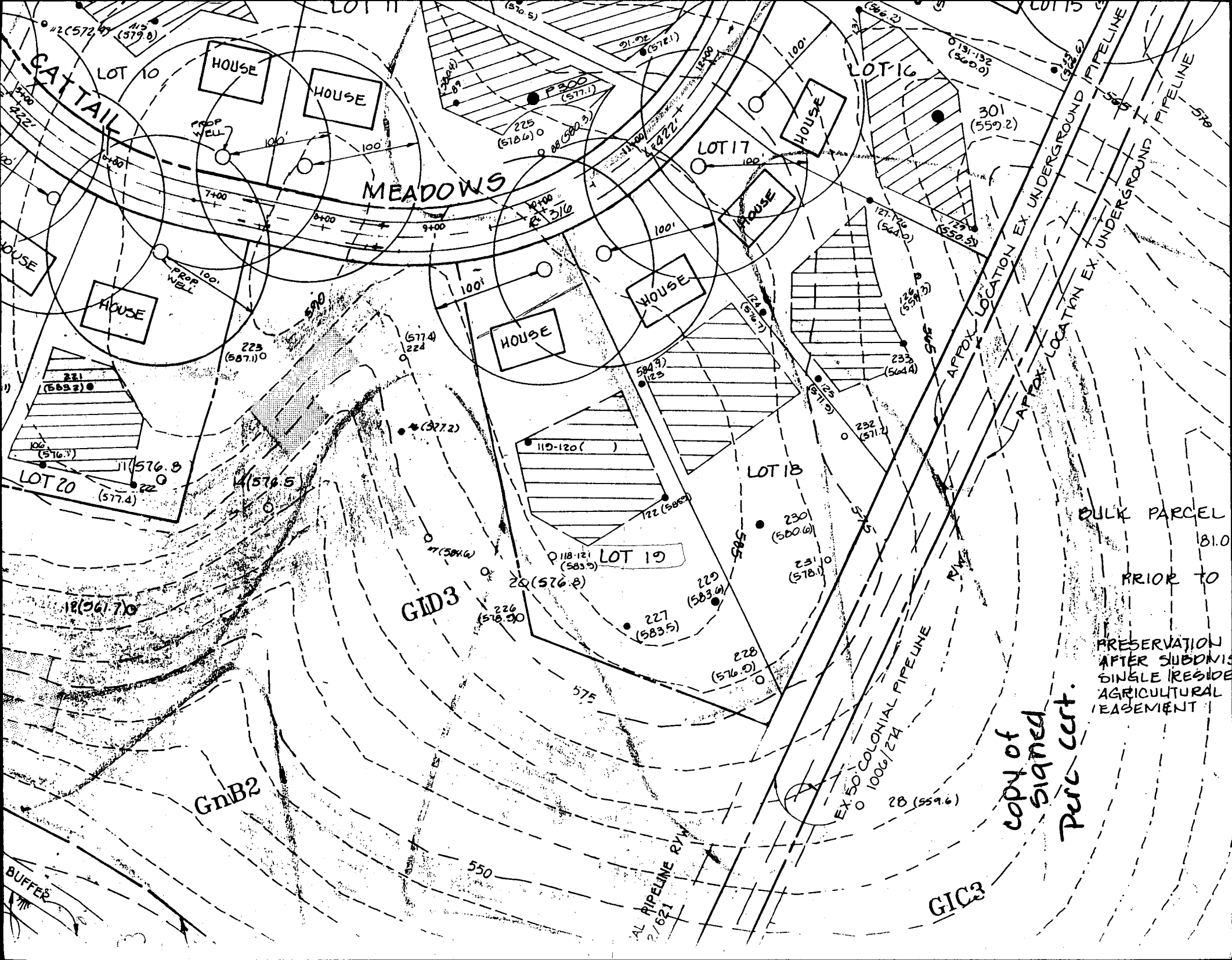
LOT #12
5,103 sq.ft
1.17 acres

LOT #15
16,292 sq.ft
3.93 acres

9/23/97
Well site
as staked km

10/1/97
Kim Maiste spoke with
Dana Kyler about new well
location. They are hitting a dry
hole at approved well site. I
told them it would be alright to move
towards right + lot line as seen when
facing the property from Catal Meadows Drive,
but they should not move more than
30' in from the road km

SEE MATCH LINE A-A
SEE SHEET 2 OF 4



CATTAIL

MEADOWS

LOT 20

LOT 19

LOT 18

LOT 17

LOT 16

LOT 10

GnB2

GID3

GIC3

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

BULK PARCEL

PRIOR TO

PRESERVATION
AFTER SUBDIVISION
SINGLE RESIDENTIAL
AGRICULTURAL
EASEMENT

copy of
signed
Per cert.

EX 50 COLONIAL PIPELINE
1006/274

APPROX LOCATION EX UNDERGROUND PIPELINE

PIPELINE R/W
2/621

BUFFER

21 (563.2)

223 (567.1)

224 (577.4)

119-120 ()

20 (576.8)

225 (583.9)

227 (583.5)

228 (576.9)

230 (580.6)

231 (578.1)

28 (559.6)

127.176 (564.2)

126.8 (554.3)

233 (564.4)

232 (571.2)

123 (571.5)

124 (576.7)

21.92 (572.1)

225 (578.6)

10400 (573.6)

10400 (573.6)

10400 (573.6)

1001

1001

1001

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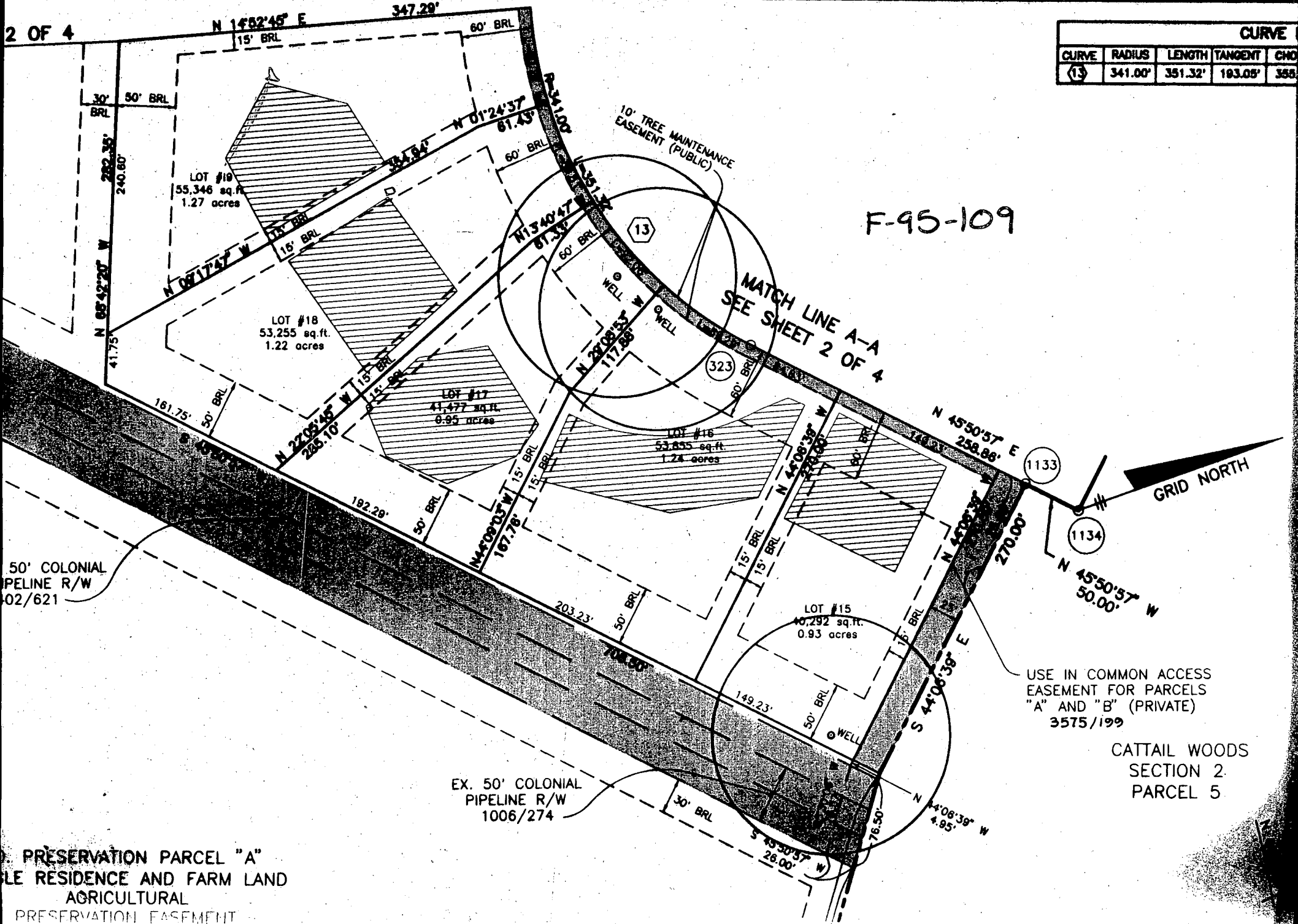
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CURVE				
CURVE	RADIUS	LENGTH	TANGENT	CHORD
(13)	341.00'	351.32'	193.05'	358.00'



F-95-109

MATCH LINE A-A
SEE SHEET 2 OF 4

GRID NORTH

USE IN COMMON ACCESS
EASEMENT FOR PARCELS
"A" AND "B" (PRIVATE)
3575/199

CATTAIL WOODS
SECTION 2.
PARCEL 5

EX. 50' COLONIAL
PIPELINE R/W
1006/274

PRESERVATION PARCEL "A"
SINGLE RESIDENCE AND FARM LAND
AGRICULTURAL
PRESERVATION EASEMENT

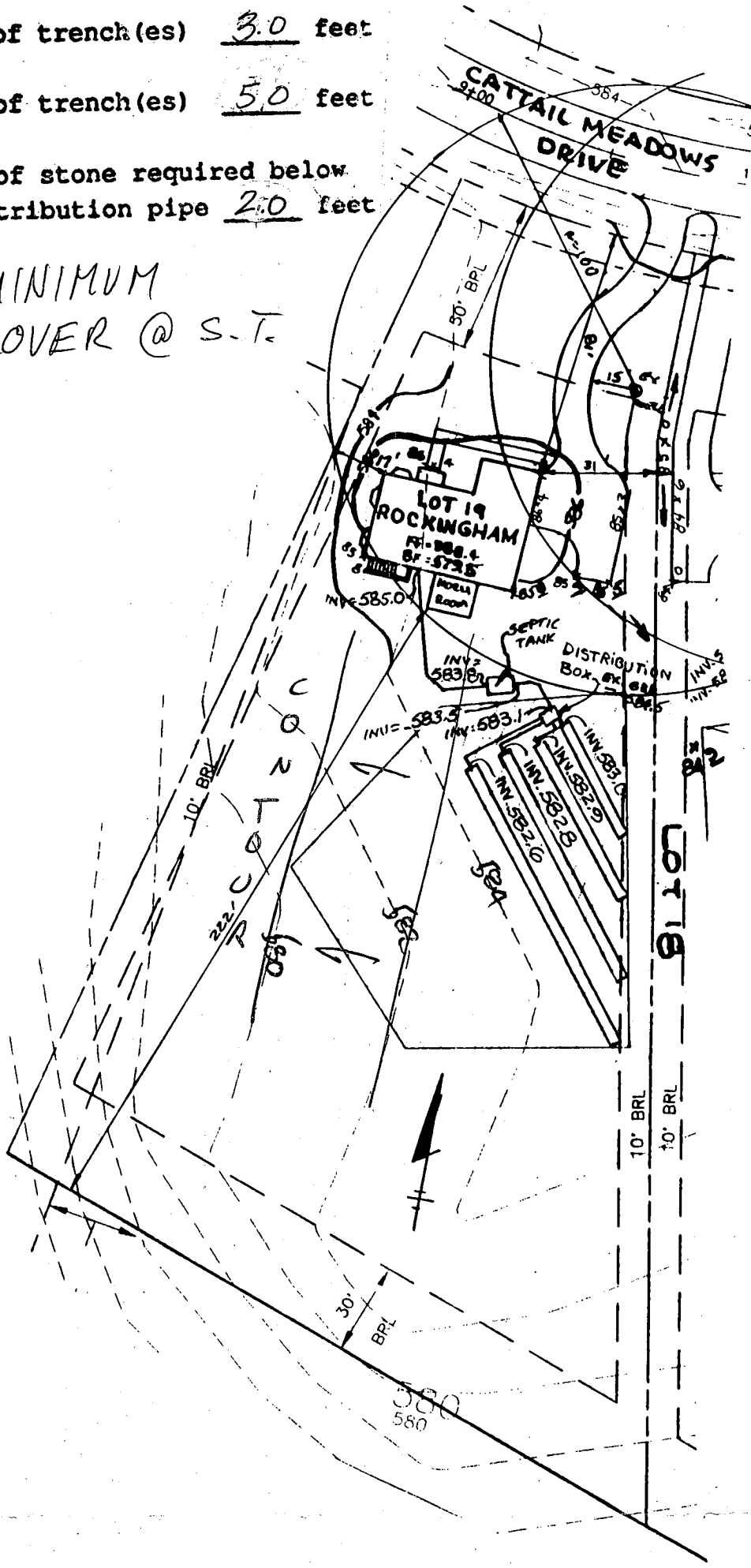
Total linear feet of trench required 240 feet

Width of trench(es) 3.0 feet

Depth of trench(es) 5.0 feet

Depth of stone required below distribution pipe 2.0 feet

18" MINIMUM COVER @ S.T.



Approved Septic System Plan
Howard County Health Department

Mark C. Rubin
Signature
6/5/98
Date

FF=588.4
BF=579.5

NOTE:
FOR SEDIMENT CONTROL FEATURES SEE APPROVED
GRADING PLAN GP-97-130.

T S A GROUP INC.
8480 BALTIMORE NATIONAL PIKE, SUITE 418
ELLICOTT CITY, MARYLAND 21043
(410) 465 - 6105

PLOT PLAN
CATTAIL WOODS
LOT 19
SECTION TWO, PARCEL 5

TAX MAP NO.7 PARCEL 137
PLAT NOS. 12500-12502
4TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
SCALE: 1"=50' DATE: JUNE 4, 1998