

10/17/99
WPI
pm
10/12/99
pm
e.o.

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 512721

A 50830 S

DISTRICT _____

DATE 9/22/1999

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 10/12/99

INSPECTOR B.B.

03-330451

Van Sant Plumbing & Heating IS PERMITTED TO INSTALL ALTER

ADDRESS 3 N. Main Street, Mt. Airy, MD 21771 PHONE 301-829-0444

SUBDIVISION Brantwood LOT 21 ROAD 11504 Stardust Lane

PROPERTY OWNER NV Homes

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the dsitribution box 195 feet up the right (305.38') lot line and 10 feet off the right lot line as viewed from Stardust Lane. Install trenches on 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. 6/24/99 OK BU

PLANS APPROVED BY Ronald J. Pinkley DATE 6-22-1999

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)

B00125433
Pool 7/13/00

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

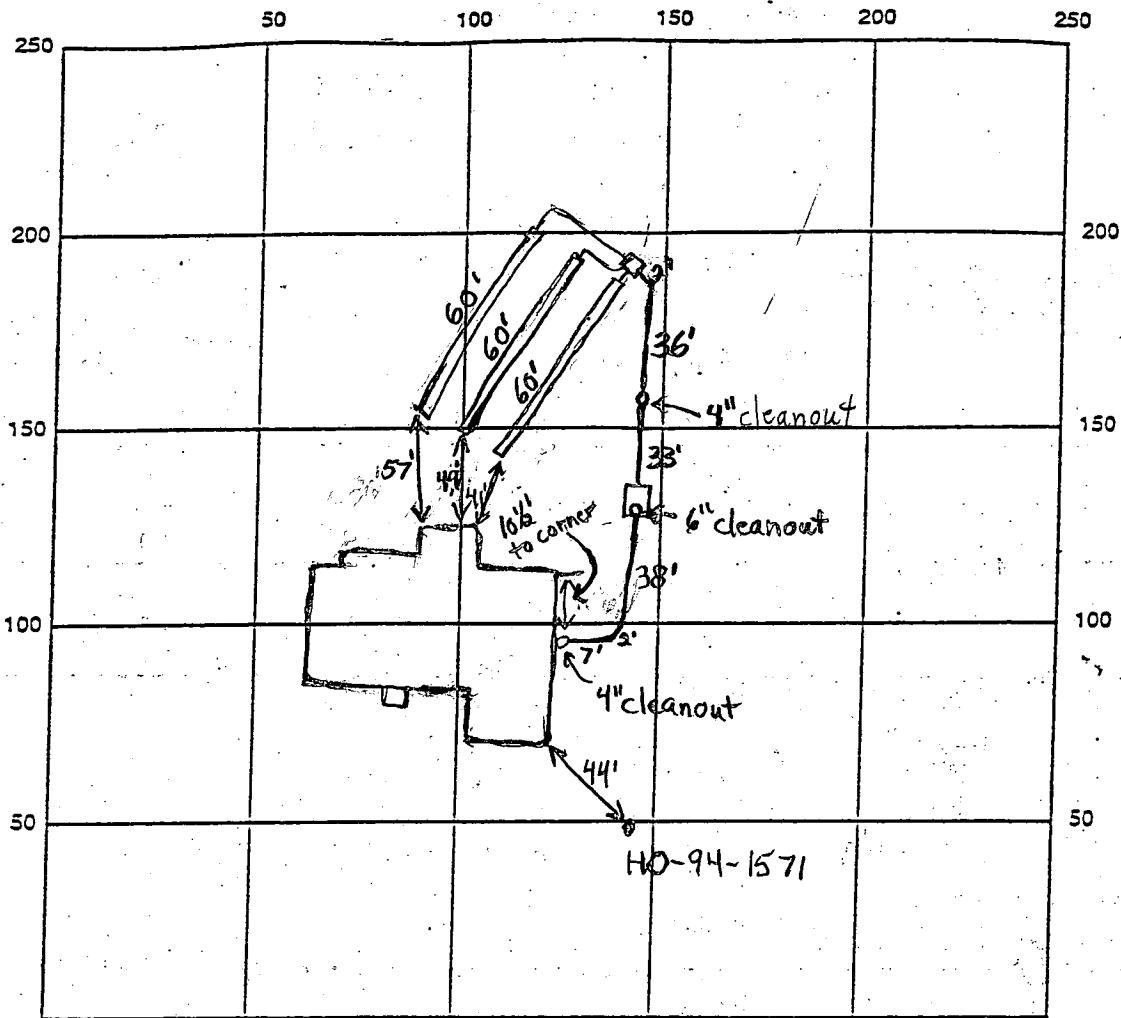
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

***CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.**

50830
S



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 gallon Stardust Lane CLEANOUTS 1-4" house, 1-4" line, 1-6" tank

DISTRIBUTION BOX LEVEL O.K. Levelbas installed.

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 3x60 FT. (180-ft. total)

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 10/12/99 House connection made. O.K. to cover all work. (BB)

DATE SYSTEM APPROVED 10/12/99

INSPECTOR B. Baker

APPLICATION

PERCOLATION TESTING

A 30830

P _____

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

DISTRICT _____

DATE 8/15/95

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 Fenza Family NV Homes

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER Land Marketing, Inc. C/O Tim Fenza

ADDRESS 3243 Bethany Lane Ellicott City PHONE 313-8808

21042

PROPERTY LOCATION:

SUBDIVISION Fenza Property LOT NO. 21820 252324

ROAD AND DESCRIPTION Rt 144 + Folly Quarter Rd

(11504 STANDUST LANE)

ORIG. PERMIT SIGNATURE

NOT RETURNED 6-22-99

Serial # BRU11P330

TAX MAP 16+23 PARCEL # 34+63

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. 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.

Mark A. Reil
(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
1085

0' Bright red
clm

2' orange
brn silm

2.5' bright
red
sil
very
micaceous
15-20%
saprotite

12'

1086

brn
red
sil
micaceous

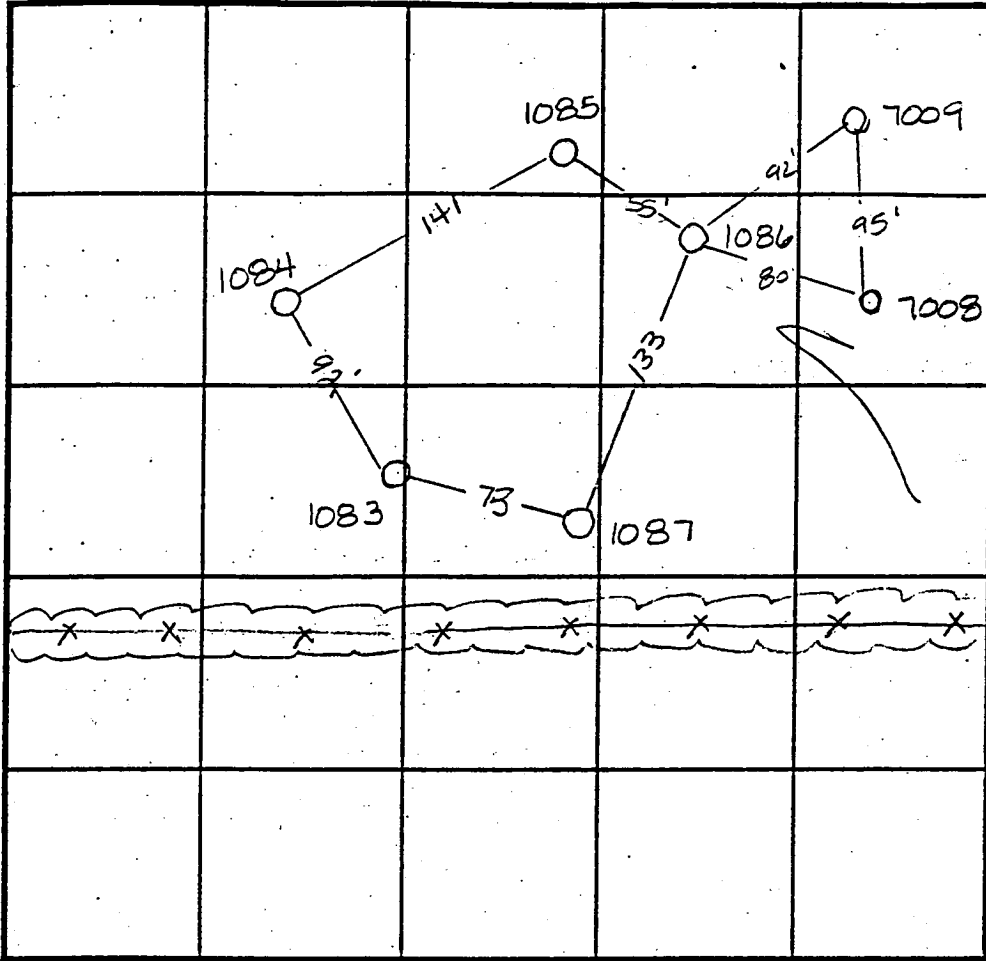
4' pink
salm
very
micaceous
5%
decayed
mica-
shale

5'

1087

1st
tan
sil

4' pink
salm
micaceous
<5%
decayed
shale



SOIL PROFILE
1084

0' yellow
tan
sil

3' bright
red
sil

7' patches
of
white
salm
mixed
into
red
sil

12'

1083

1st tan
sil

4' pink salm
micaceous
<5%
decayed
shale

11.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-11-95	1085	3' / V12	12:57 ³⁰	1:01 ³⁰	1:01 ³⁰	1:08	6 1/2 min
	1085	7' / V12	12:58	12:00	12:00	1:02	2 min
	1086	4' / VII.5	1:02	1:03	1:03	1:05	2 min
	1087	3' / VII.5	2:24 ³⁰	2:36	2:36	3:00	4 min
	1087	7' / VII.5	2:18	2:19 ⁴⁵	2:19 ⁴⁵	2:24	4 1/4 min
	1083	3.5' / V12.3	2:06	2:10 ³⁰	2:10 ³⁰	2:17	6 1/2 min
	1084	7' / V12.5	1:52 ³⁰	2:30	30 min	—	F-slow

REMARKS

TYPE OF SOIL

TESTED BY Amy McMullen

ALSO PRESENT Tim Feegea

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

6 mpi

TRENCH WIDTH

2

INLET DEPTH

3

MAXIMUM BOTTOM DEPTH

7

SQ. FT./BEDROOM

180

PP 6/2/99

A50830

COUNTY #

SOIL PROFILE

7008 7009

orange
brown
siltum

3.0 ridge of
silm &
decayed
saprolite
orange
& white

3.5 dark
orange
brown
micaceous
silm
50%
saprolite

2.0

		see attached for diagram		

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	
12-10-96	7008	2.0 12.0	1:37	1:39	1:39	1:42	3min
	7009	Visual to 130	—		see profile		OK

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

C1 05099

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)

COUNTY NUMBER 50830 1

ST/CO USE ONLY. DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1571

MM 7 16 98

MM 7 14 98

22 300 26 (TO NEAREST FOOT)

28 29 30 31 32 33 34 35 36 37

OWNER LIPARINI JOHN STREET OR RFD Argent Path TOWN ELICOTT CITY MD SUBDIVISION Brantwood SECTION I LOT 20

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. Includes entries for BROWN SHALE and BLUE SLATE.

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

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 10 METHOD USED TO MEASURE PUMPING RATE TIME WATER LEVEL (distance from land surface) BEFORE PUMPING 38 WHEN PUMPING 100 TYPE OF PUMP USED (for test) S submersible

CASING RECORD

casings types insert appropriate code below (ST, CO, PL, OT) MAIN CASING TYPE, Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used)

diameter inch, depth (feet) from to

SCREEN RECORD

screen type or open hole (ST, BR, HO, PL, OT) insert appropriate code below

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 (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

C 2

DEPTH (nearest ft.)

Table with columns: 1-2, 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, 51-52, 53-54, 55-56, 57-58, 59-60, 61-62, 63-64, 65-66, 67-68, 69-70, 71-72, 73-74, 75-76, 77-78, 79-80. Includes handwritten entries for 79 and 300.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (YES/NO)

CIRCLE APPROPRIATE LETTER A 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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

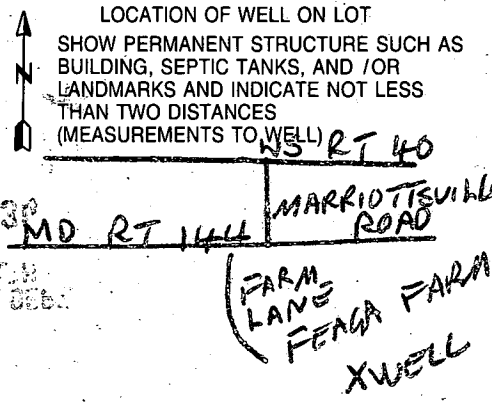
DRILLERS LIC. NO. MWD 139 Robert Elme DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MWD 536 Robert Elme Jr. SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

TELESCOPE CASING LOG INDICATOR OTHER DATA



B 1 9716 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
H0-94-1574
fill in this form completely

Date Received (APA) 05-26-98
OWNER INFORMATION
Liparini John
8835-P Columbia 100 Parkway
Columbia, MD 21045

B 3 LOCATION OF WELL
Howard
8 COUNTY
Feaga Property
23 SUBDIVISION
SECTION 20 LOT 28
Ellicott City
52 NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) 3

DRILLER INFORMATION
Robert L. Cline M W D 139
Cline & Duvall, Inc.
8093 Hillmark Ct. Frederick, MD 21704
Robert L. Cline 5/21/98

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
Argent Path
11 NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
34 1830 37
DISTANCE FROM ROAD
ENTER FT OR MI FT
TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION
APPROX. PUMPING RATE 5
(GAL. PER MIN.)
AVERAGE DAILY QUANTITY NEEDED 300
(GAL. PER DAY)

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 APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard Co. A 50830
COUNTY NAME COUNTY NO.
STATE SIGNATURE _____ INSERT S → 41
DATE ISSUED 6/10/98 A 700 700 6/10/99
43 MM DD YY 48 CO SIGNATURE EXP. DATE
NORTH GRID 528 000 EAST GRID 829 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

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
E 828 9
N 520
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
Rt. 144
Rt. 40
6/29/98
CROUCH
well +
Folly Quarter Rd.

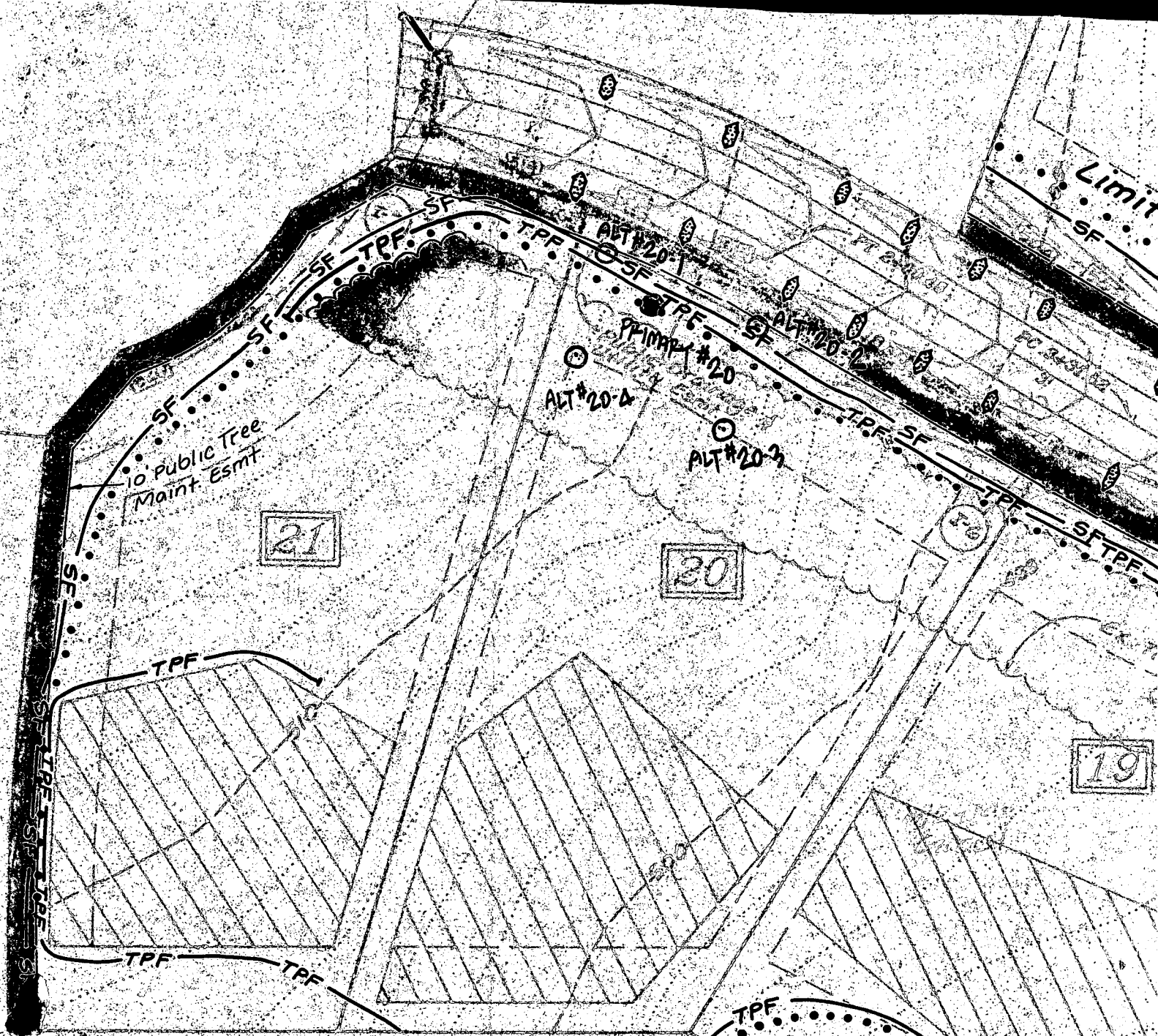
METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT
other _____

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 DEEPEMED AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROX. PERMIT NUMBER 54 G A P _____ 63
WRITE INITIALS IN BOX PERMIT No. H0-94-1574
FORCE AM 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

W30 W30 SR V H 02
Folly Quarter Rd.
EMERSON
MAY 1998
MAY 1998



611198
 All well sites OK
 as shown
 All

E 1,339,750

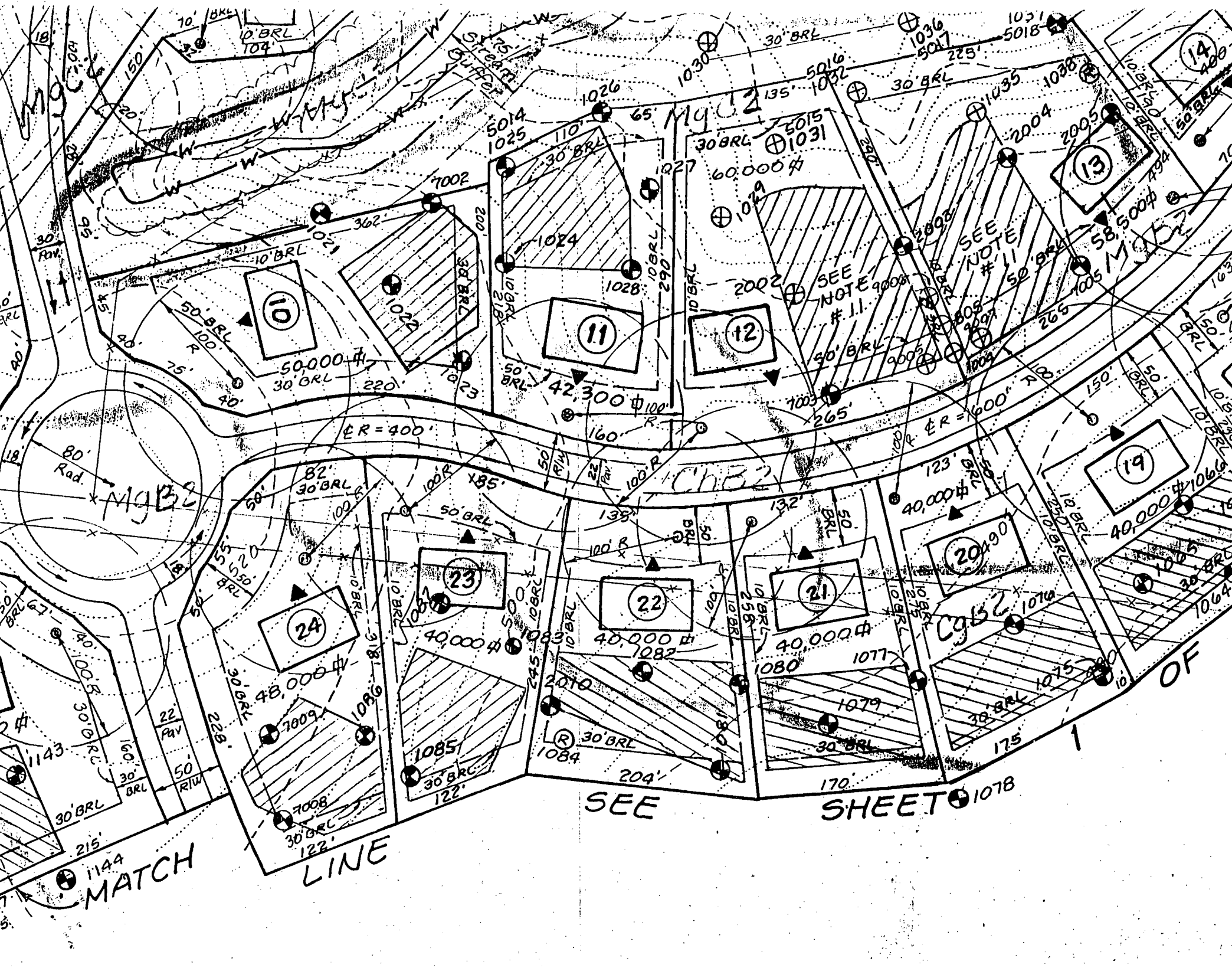
N 589,000

MATCHLINE

FOR SEQUENCE

N.

SH



M9C2

M9C2

M9B2

M9B2

C9B2

OF

SEE

SHEET 1078

MATCH LINE

LINE

1143

22 PAV

50 RIV

30 BRL

228

7009

1086

1085

30 BRL

122

7008

30 BRL

1084

204

1083

1082

1081

1080

30 BRL

170

1079

1077

1076

30 BRL

175

1075

1074

1073

1072

1071

1070

30 BRL

30

50

100

50 BRL

100

75

40

30 BRL

220

10

50,000 #

30 BRL

200

1028

1027

1026

1025

1024

30 BRL

110

1023

1022

1021

1020

1019

1018

1017

1016

1015

1014

1013

1012

30 BRL

30

40

80

80 Rad

18

30 BRL

40

75

40

50 BRL

100

30 BRL

42,300 #

100

160

100 R

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

30 BRL

30

40

80

80 Rad

18

30 BRL

40

75

40

50 BRL

100

30 BRL

42,300 #

100

160

100 R

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

30 BRL

30

40

80

80 Rad

18

30 BRL

40

75

40

50 BRL

100

30 BRL

42,300 #

100

160

100 R

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

30 BRL

30

40

80

80 Rad

18

30 BRL

40

75

40

50 BRL

100

30 BRL

42,300 #

100

160

100 R

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

30 BRL

30

40

80

80 Rad

18

30 BRL

40

75

40

50 BRL

100

30 BRL

42,300 #

100

160

100 R

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

30 BRL

30

40

80

80 Rad

18

30 BRL

40

75

40

50 BRL

100

30 BRL

42,300 #

100

160

100 R

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

30 BRL

30

40

80

80 Rad

18

30 BRL

40

75

40

50 BRL

100

30 BRL

42,300 #

100

160

100 R

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

30 BRL

30

40

80

80 Rad

18

30 BRL

40

75

40

50 BRL

100

30 BRL

42,300 #

100

160

100 R

100

100

100

100

100

100

N 589500
E 1340250

MATCHLINE SEE SHEET 3

STARDUST

LANE

Lot 22
0.9666 Ac±
42103 sq.ft

Lot 21
0.9241 Ac±
40254 sq.ft

Lot 20
0.9190 Ac±
40032 sq.ft

Lot 19
0.9337 Ac±
40673 sq.ft

Lot 18
0.9191 Ac±
40035 sq.ft

Lot 17
0.9186 Ac±
40013 sq.ft

Lot 23
0.9676 Ac±
42148 Sq.ft.

P10 P 54
PRESERVATION PARCEL "C"
Non-Buildable
6.3857 Ac±
278160 sq.ft.
(See Note 26, Sheet No.1)

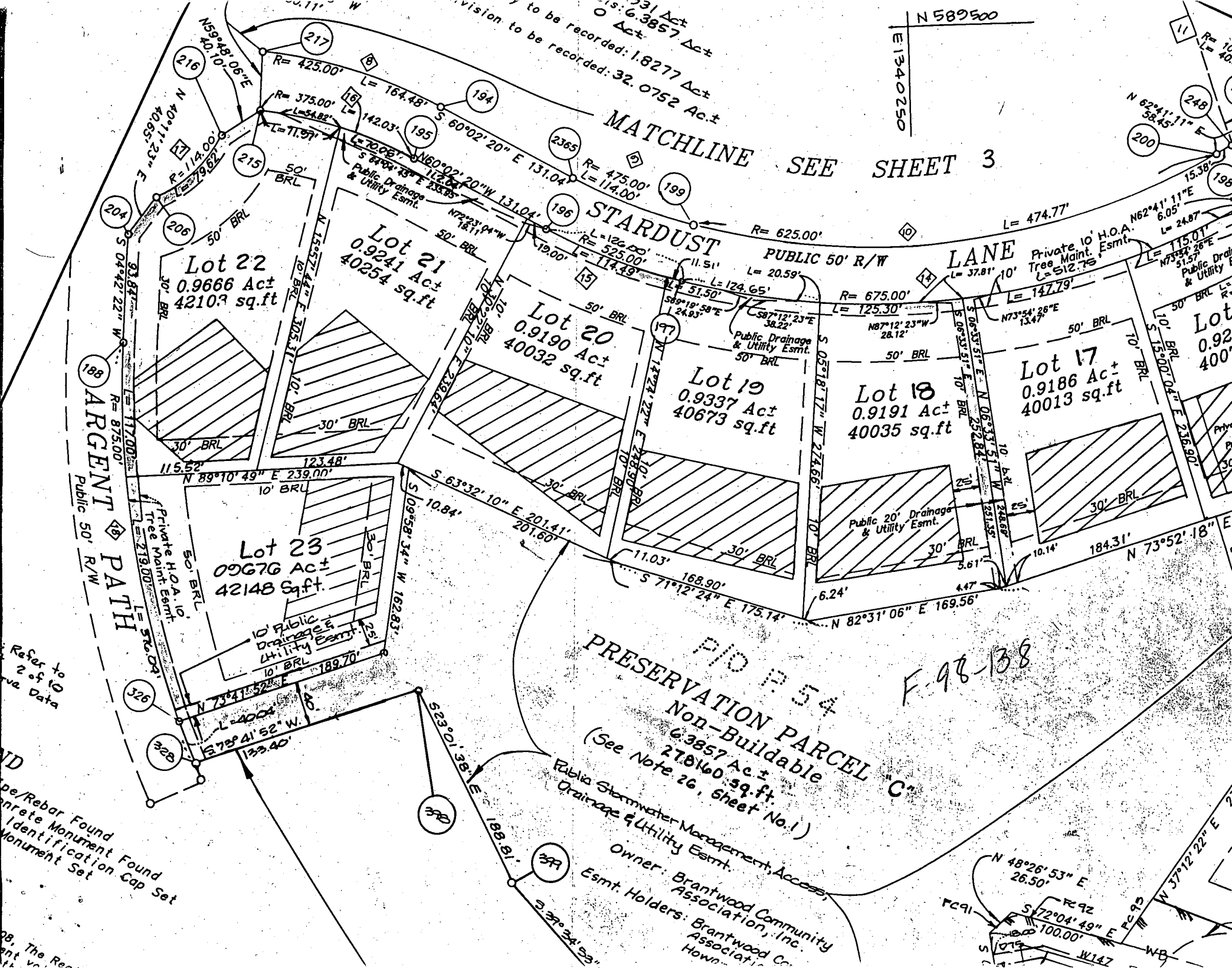
F-98-138

Public Stormwater Management, Access,
Drainage & Utility Esmt.
Owner: Brantwood Community
Association, Inc.
Esmt. Holders: Brantwood Cr.
Association,
Howe

ARGENT PATH
Public 50' R/W

Refer to
2 of 10
Data
ND
pe/Rebar Found
Concrete Monument Found
Identification Cap Set
Monument Set

08, The Rec
ent va
th




RESERVATION
PARCEL "C"

LOT 20

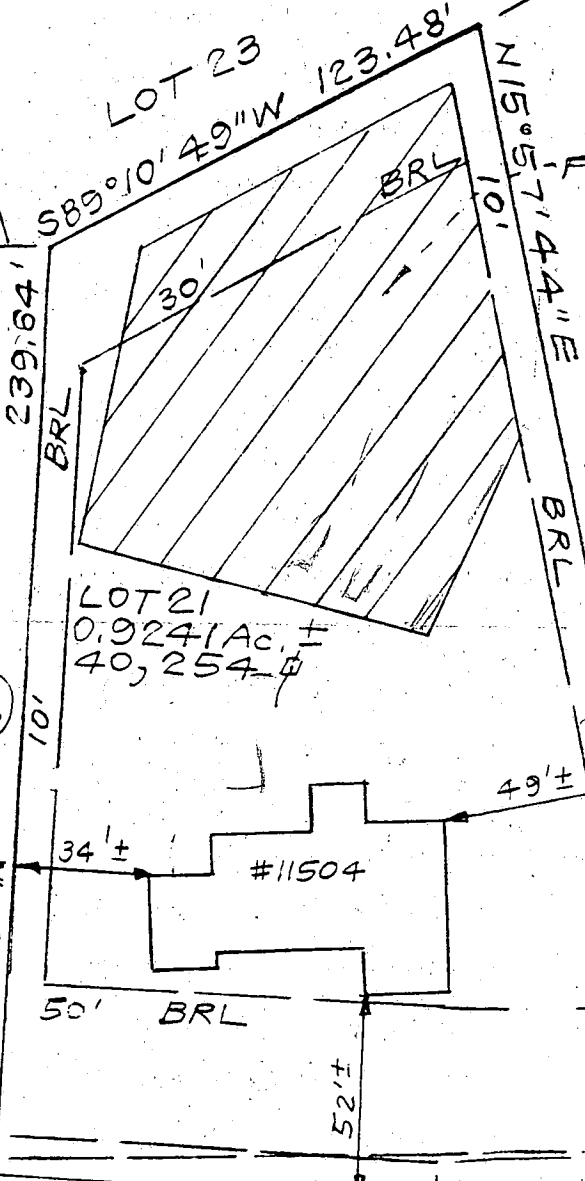
LOT 23

LOT 22

4/22/99
house location
consistent w/
approved BP
site plan 

Private H.O.A. Tree
Easement

Private Sewerage



S60°02'20"E

112.00' R=375.00'

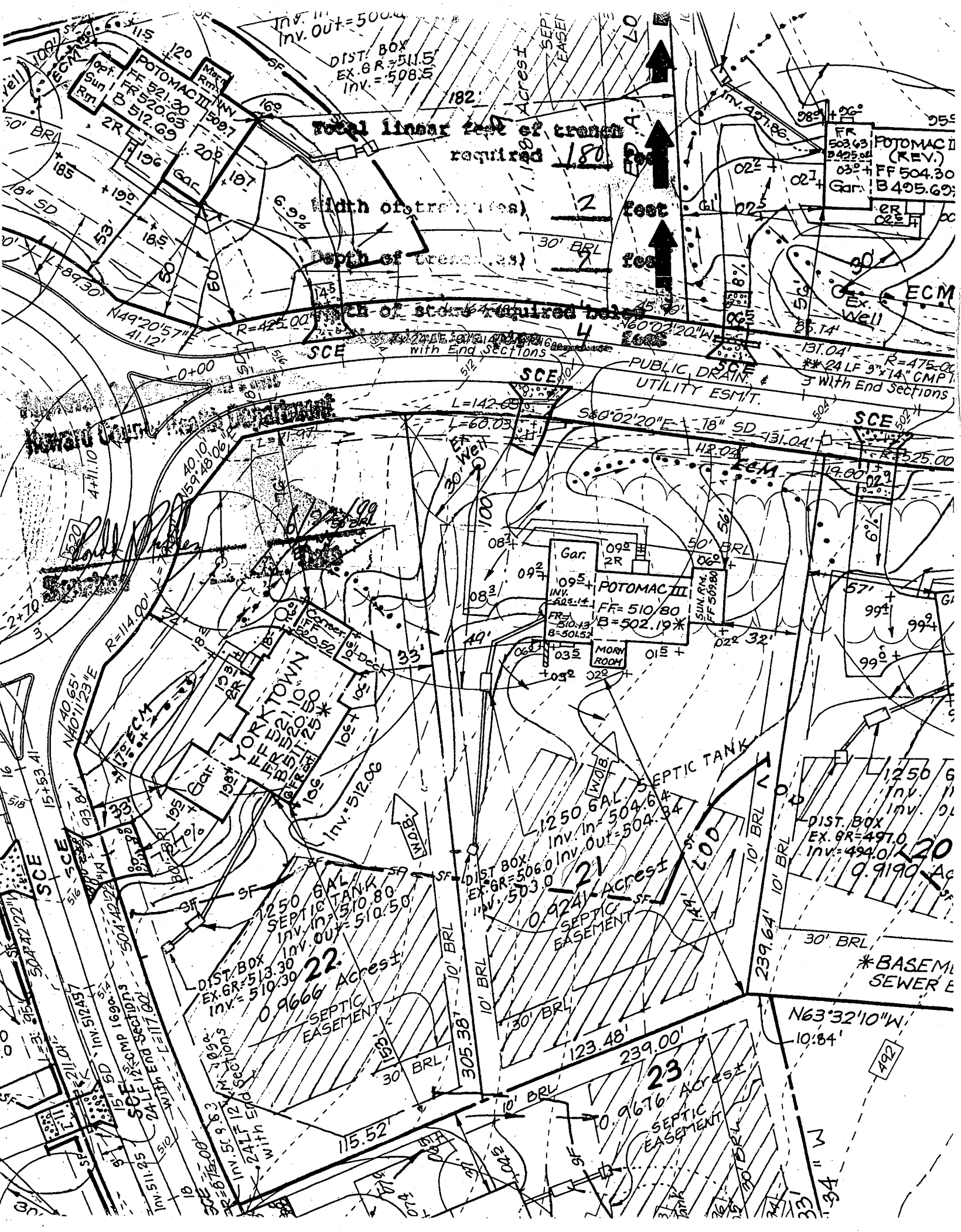
L=70.06'

STARDUST

50' R/W

LANE

Public Drainage & Utility Easement



Total linear feet of trench required 180 feet

width of trench (as) 2 feet

depth of trench (as) 7 feet

width of stone required below trench 4 feet

North Arrow

SCE

SCE

SCE

PUBLIC DRAIN & UTILITY ESMT.

YORKTOWN
POTOMAC III
FF 510.80
B=502.19*

POTOMAC III
FF 510.80
B=502.19*

SEPTIC TANK
Inv. In=510.80
Inv. Out=510.50
DIST. BOX
EX. GR=513.30
Inv. = 510.30
0.9666 Acres
SEPTIC EASEMENT

SEPTIC TANK
1250 GAL.
Inv. In=504.64
Inv. Out=504.34
DIST. BOX
EX. GR=506.0
Inv. = 503.0
0.9241 Acres
SEPTIC EASEMENT

SEPTIC TANK
0.9676 Acres
SEPTIC EASEMENT

DIST. BOX
EX. GR=497.0
Inv. = 494.0
0.9190 Acres

*BASEMENT SEWER E

492