

8/2/95
cb. after Noon
C.D. 2-30
6-15-95

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50792

A 49022

DISTRICT 3rd

DATE 7-25-95

DATE SYSTEM APPROVED 8-15-95

INSPECTOR DKS

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

Burgemeister-Bell, Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS 10331 S. Dolefield Road, Owings Mills, MD 21117 PHONE 363-0880

SUBDIVISION West Friendship Estates LOT 39 ROAD 3113 Fox Valley Drive

PROPERTY OWNER James H. Selfridge Building, Inc.

ADDRESS James R. Novick

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280 204

8-10-95
Existing drywell found and put into service
accounts for 226 out of the 840 ft²
necessary AUM

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 distribution box 240 feet up the right lot line (350.00') and 75 feet off that same lot line as seen when facing the lot from Fox Valley Drive. Run trenches on contour toward the left 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 6/9/95 DKS

PLANS APPROVED BY Amy McMillen

DATE 4/6/95

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

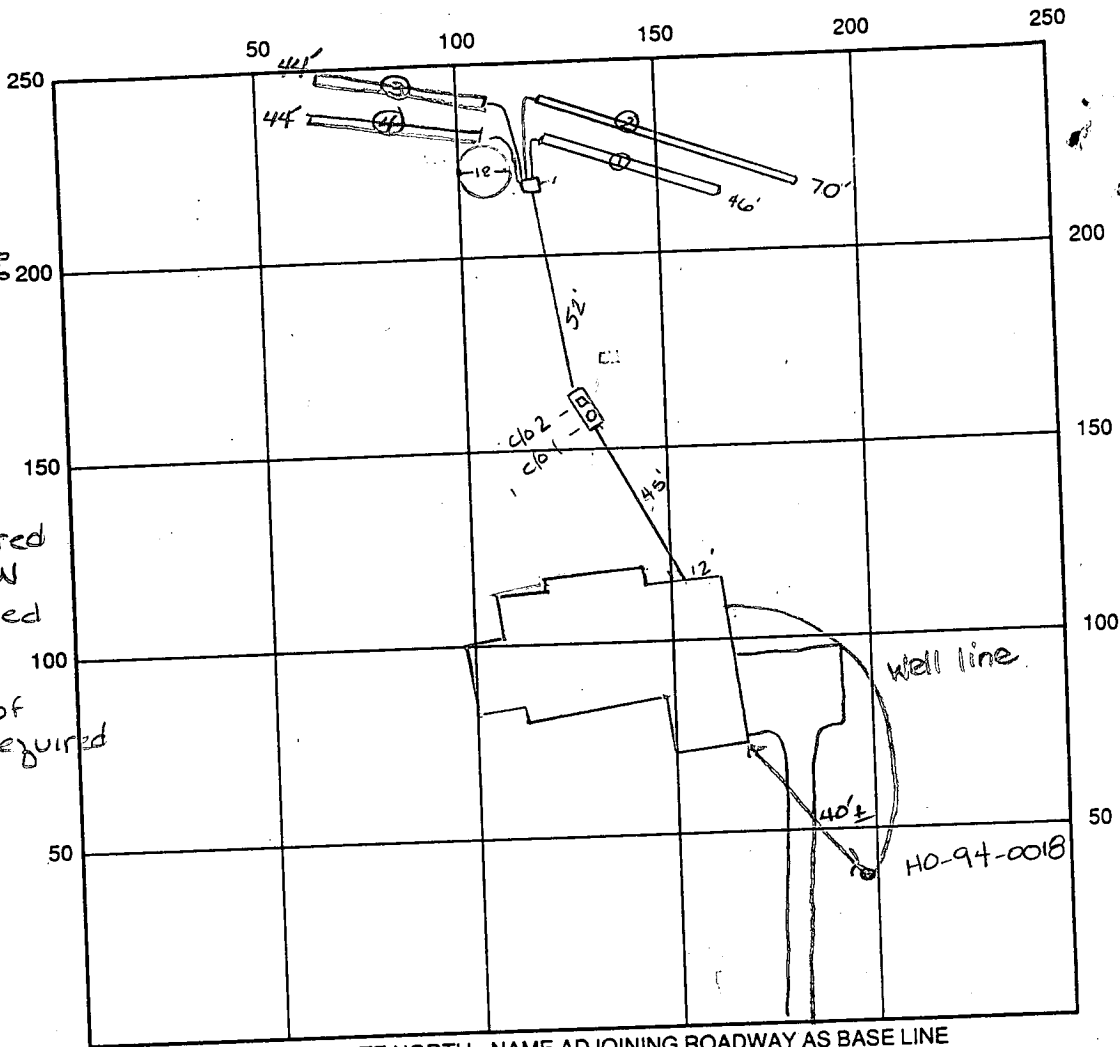
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

Additional - Dock
BLDG. PERMIT SIGNED
AND RETURNED 6-5-96
Serial # B00100436

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

A 49022



Drywell
calculations
 12' diameter
 6' bottom
 1/2' inlet
 $3.14 \times 12 \times 6 = 226$
 840 sq ft required
 226 sq ft for DW
 614 sq ft needed
 in trench
 length
 $204 = \text{length of}$
 $3 \times 614 = \text{trench required}$

SEPTIC TANK LEVEL 1500 gal CLEANOUTS 1-OK 2-manhole OK
 DISTRIBUTION BOX LEVEL OK
 DRAIN FIELD/TITLE DEPTH 5.0' FT. TRENCH WIDTH 3.0' FT. INLET DEPTH 3.0' FT.
 EFFECTIVE GRAVEL DEPTH 2.0' FT. TOTAL LENGTH 204 (46' @ 44', 70' @ 44')
 NUMBER OF TRENCHES 4 ~~WELL AREA~~ / BOTTOM AREA 612 SQ. FT.
 DRYWALL INSIDE DIAMETER 12 FT. EFFECTIVE DEPTH BELOW INLET 1/2 FT.
 ABSORBENT AREA 226 SQ. FT.

REMARKS: 8-7-95 OK to cover house to distribution box - house connection
made Aug 8-10-95 Drywell found next to DB - appears to be in good condition -
Fill w/ stone and connect to system (see calculations) Depth of DW OK - next
to perc hole 5 w/ a depth of 12 1/2' good soil. Aug
8-15-95 Final - OK to cover all work. DKS

DATE SYSTEM APPROVED 8/15/95 INSPECTOR Sonia K See

APPLICATION

PERCOLATION TESTING

P66
A 49022
P _____

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

DISTRICT _____
DATE 3/5/93

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 JAMES H. Selfridge Building Inc

ADDRESS _____ PHONE 799-0210

AGENT OR PROSPECTIVE BUYER W FASBP

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION W FASBP 1 LOT NO. 40

ROAD AND DESCRIPTION HORD FARM (3113 Fox Valley Drive) 40/41

6 holes
(2) Tests
on line

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____

BLDG. PERMIT SIGNED
AND RETURNED 3/18/95
Serial # 58704 -
SFD - 4/6/95
(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

✓ 4902 2

Lot #40

See Lot 41

COUNTY #

SOIL PROFILE

0'

Empty vertical box for soil profile data.

Empty vertical box for soil profile data.

Empty vertical box for soil profile data.

(See Lot #41)
 40/41 (3) + (4)
 on line test
 + (5) + (6)
 (Lot #40) (40 Lot)

SOIL PROFILE

0'

Empty vertical box for soil profile data.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/25/83							
See							
Lot 40							
(2) holes on							
line							
(2) holes							
on Lot 40							
+ 2 holes							
on Lot 41							
(6 holes)							

REMARKS "Shallow systems only" C.B.S.

TYPE OF SOIL

TESTED BY C.B.S. ALSO PRESENT O.K. In + associated

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

APPLICATION

PERCOLATION TESTING

49022

A 49023

P _____

P66

DISTRICT _____

DATE 3/5/93

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

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 W FASHP LOT NO. 40
ROAD AND DESCRIPTION HORD FARM 6 holes
(2 on line)
2 on 41
2 on 40

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.

APPROVED BY _____ FOR _____ DATE _____
(SIGNATURE OF APPLICANT)
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

49022

1/25/93 Lot #41 + 40 Hole

12-10
p
Excav

COUNTY #

SOIL PROFILE

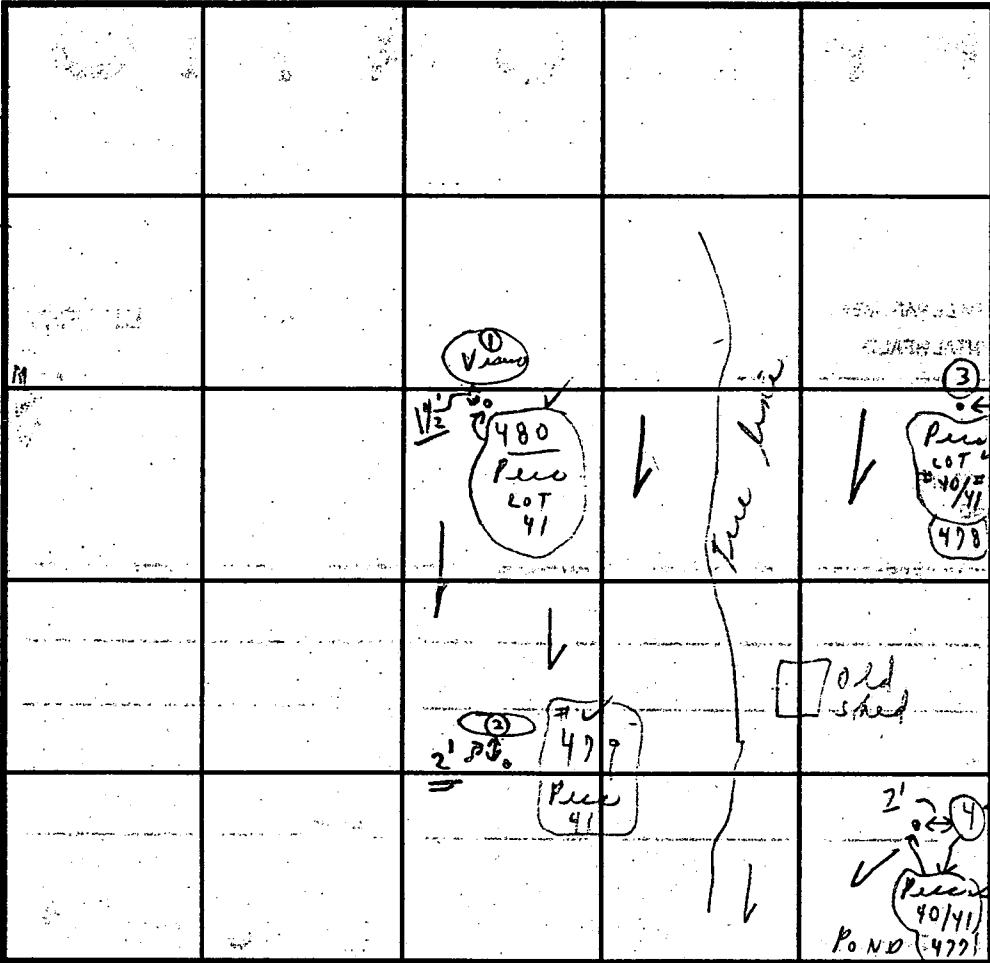
Hole # ①

to 6 1/2' ±
Clay

6 1/2' ±

LOAM
13' DRY

Hole # ④
0 1/2'
4'
4 1/2'
12'
LOA
ALL
THE
WA
↓
DRY
12'



SOIL PROFILE #25

0-6' Clay
6' 1/2'
12'-10" Loam

Electrical
Water
Vents
Im
Faint
Hole
Perc 475
Lot 40

#2
0 to 4' Clay
4' to 9' only

#3
6' to 9'
Old Weathered
crumbly
Sandstone
SOLTD
9'

#6
0 1/2 to 3 1/2'
Clay
3 1/2' to 11-8"
Loam
95%
sand
stone
11-8"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Rt 32

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
1/25/93	①	0'-6 1/2' ± Clay					
	#480	13' 6 1/2' Loam	90% ±	(10% ± sandstone)			
	②	4'	12:52	12:54	12:54	12:59	5m
	#479	9' (6' down to 5' 0" soil)					only 9'
	③	3 1/2'	1:08	1:12	1:12	1:18	6m
	#478	2' to 9' solid	1:09	1:10	1:15	1:20	5m
	④	4'	1:20	1:24	1:24	1:29	5m
	#477	12'					
	⑥	4' pt	1:43	1:51	1:51	2:07	16m
	#476	11'-8" Loam					

REMARKS 1/25 Tests near old house (south side)

TYPE OF SOIL SHALLOW SYSTEM ONLY

TESTED BY C. K. A. ALSO PRESENT OK 9/4 and

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 9 TRENCH WIDTH 3

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 210

(Hole #6 in front yard)

Hole #5 at Lot 40 #425

C1 8708

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

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

COUNTY NUMBER A= 47215

ST/CO USE ONLY

DATE RECEIVED 030395

DATE WELL COMPLETED 022594

Depth of Well 303

(TO NEAREST FOOT)

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

40-94-0018

OWNER LAND DESIGN + DEV. STREET OR RFD last name RUMMER first name TOWN WEST FRIENDSHIP SUBDIVISION WEST FRIENDSHIP EST. 40 SECTION 1 LOT 39

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. Mica, Opening, Hard Br. Sandstone, Hard Blue Gray Sandstone, Hard Br. Sandstone, Hard Blue Grey Sandstone, Hard Blue Green Sandstone, Hard Blue Sandstone, Hard Grey Blue Sandstone, Stone sand, Hard Blue Sandstone, Hard Grey Sandstone, Opening, Hard Blue Sandstone.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N

TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 38 NO. OF POUNDS 3572

GALLONS OF WATER 228 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 80 ft.

CASING RECORD

ST CO STEEL CONCRETE PL OT PLASTIC OTHER

MAIN CASING TYPE S T Nominal diameter top (main) casing (nearest inch) 6 82 Total depth of main casing (nearest foot) 63 66

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

ST BR HO STEEL BRASS BRONZE OPEN HOLE PL OT PLASTIC OTHER

Table for screen depth with columns for depth (nearest ft.) and rows for screen type (H, O).

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) W Q 70 72 74-75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 10

METHOD USED TO MEASURE PUMPING RATE submersible

WATER LEVEL (distance from land surface) BEFORE PUMPING 21

WHEN PUMPING 121

TYPE OF PUMP USED (for test) A air P piston T turbine

C centrifugal R rotary O other (describe below)

J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:

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)

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)

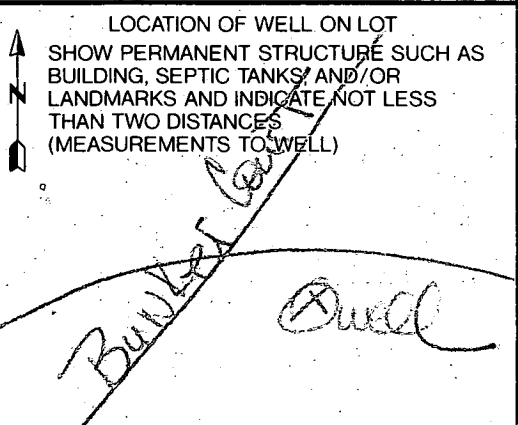
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

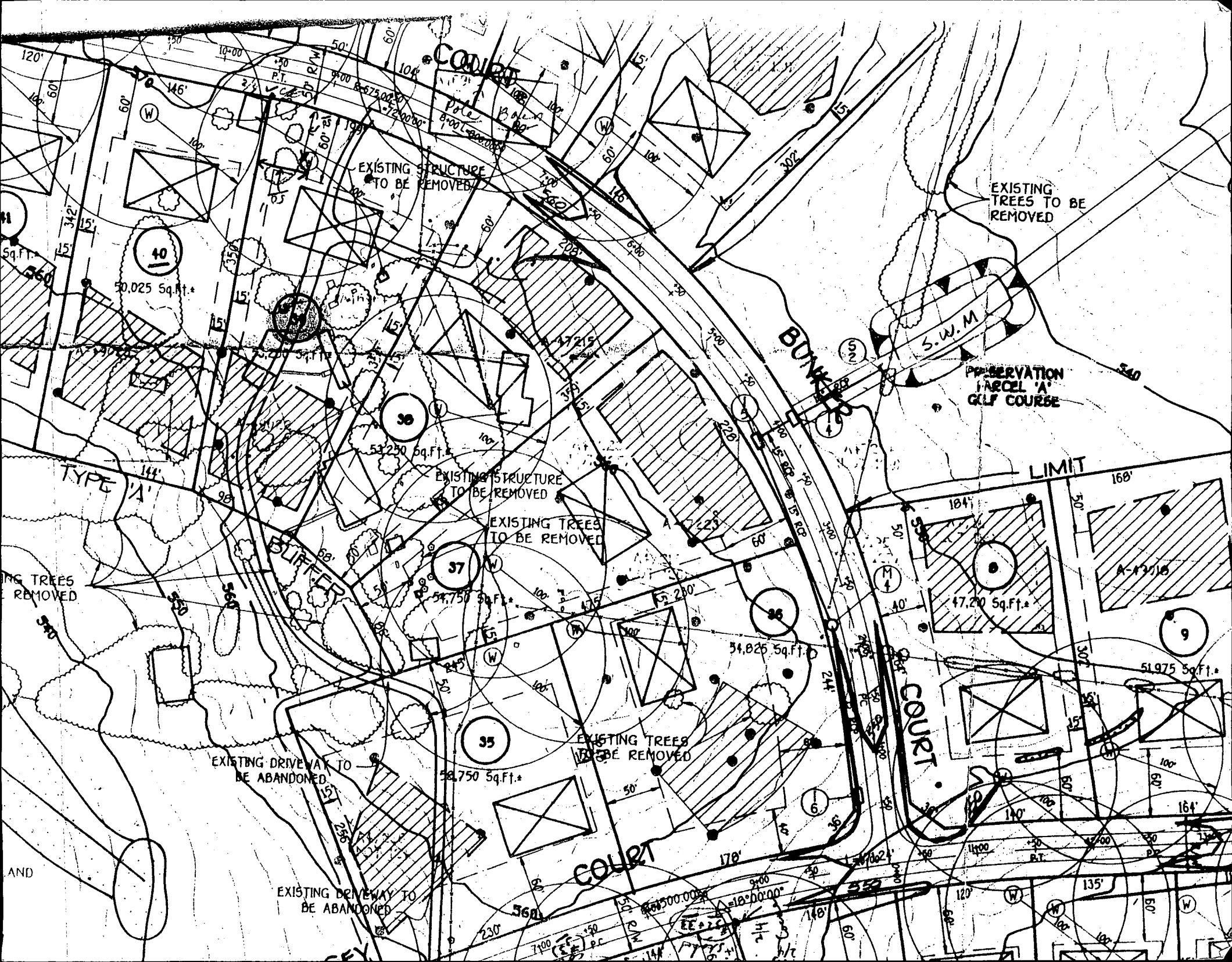
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 256 DANA KYKER JR II

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)





COURT

EXISTING STRUCTURE TO BE REMOVED

EXISTING TREES TO BE REMOVED

PRESERVATION PARCEL 'A' GOLF COURSE

BUNKER

S.W.M.

LIMIT

TYPE 'A'

EXISTING STRUCTURE TO BE REMOVED

EXISTING TREES TO BE REMOVED

EXISTING TREES REMOVED

EXISTING DRIVEWAY TO BE ABANDONED

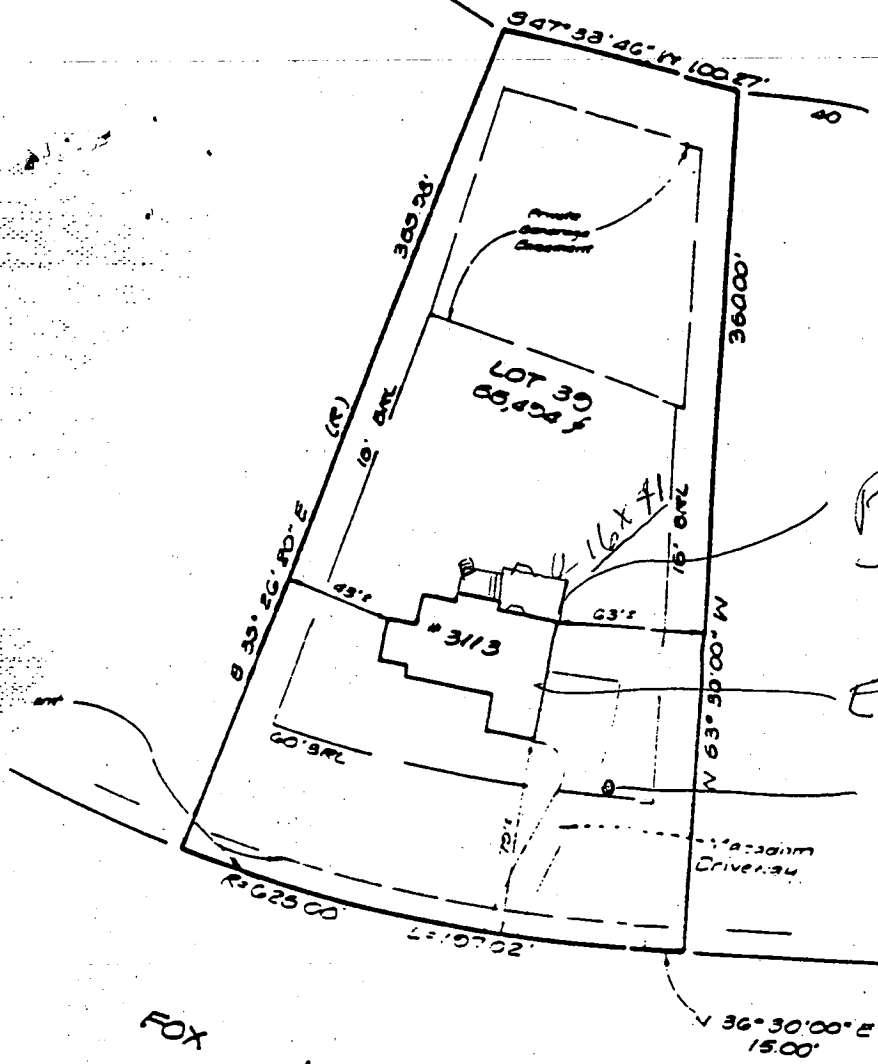
EXISTING TREES TO BE REMOVED

COURT

COURT

EXISTING DRIVEWAY TO BE ABANDONED

AND



Proposed

EXISTING

well

FOX VALLEY DRIVE
60' R/W

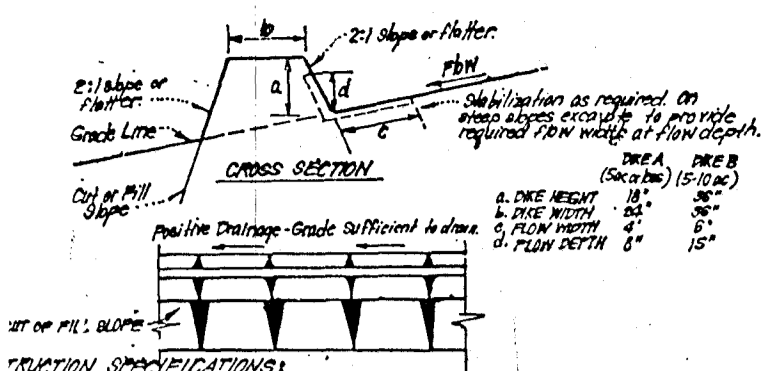
5/5/98 ~~Blue copy~~

The proposed deck location will have no impact to existing well and septic

AM

NOTES:

1. Setback Distance A



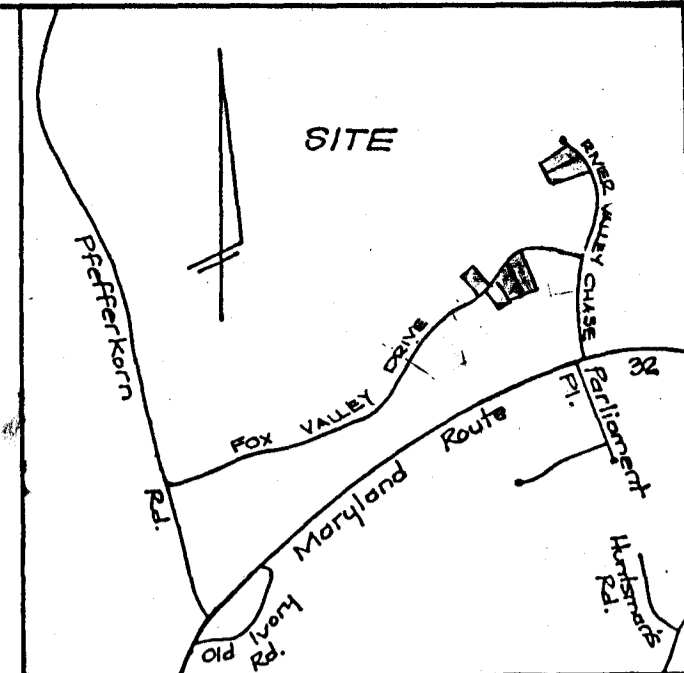
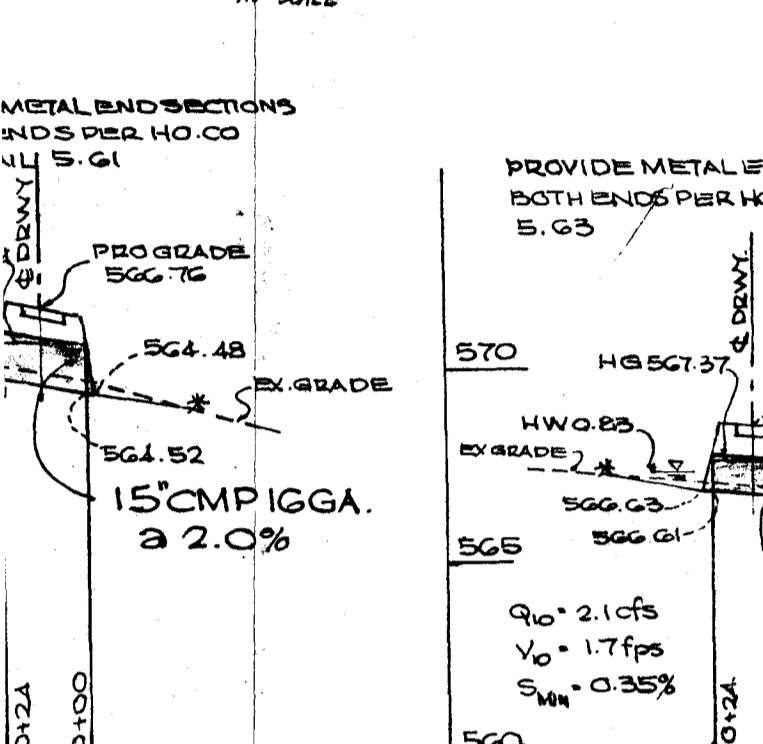
CONSTRUCTION SPECIFICATIONS:
 Dikes shall be compacted by earth-moving equipment. Dikes shall have positive drainage to an outlet. Width may be wider and side slopes may be flatter if desired, to facilitate silt by construction traffic. Location should be adjusted as needed to utilize a stabilized safe outlet. Dikes shall have an outlet that functions with a minimum of erosion. Runoff be conveyed to a sediment trapping device such as a sediment trap or sediment where either the dike channel or the drainage area above the dike are not adequately stabilized. Stabilization shall be: (A) In accordance with standard specifications for seed straw mulch or straw mulch if not in seeding season, (B) Flow channel as chart below.

FLOW CHANNEL STABILIZATION

CHANNEL GRADE	DIKE A	DIKE B
0.5 - 3.0%	Seed & Straw Mulch	Seed or Straw Mulch
3.1 - 5.0%	Seed & Straw Mulch	Seed White or Excelabr; Std; 2" Stone
5.1 - 8.0%	Seed White or Std; 2" Stone	Lined Rip Rap 4" - 8" Stone
8.1 - 20.0%	Lined Rip Rap 4" - 8" Stone	Engineering Design

to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick. to be pressed into soil with construction equipment.
 Rip to be 4" - 8" in a layer at least 8" thick, pressed into soil.
 Approved equivalents can be substituted for any of the above materials.
 Routine Inspection and Required Maintenance must be provided after each rain.

EARTH DIKE DETAIL (E.D.)
 NO SCALE



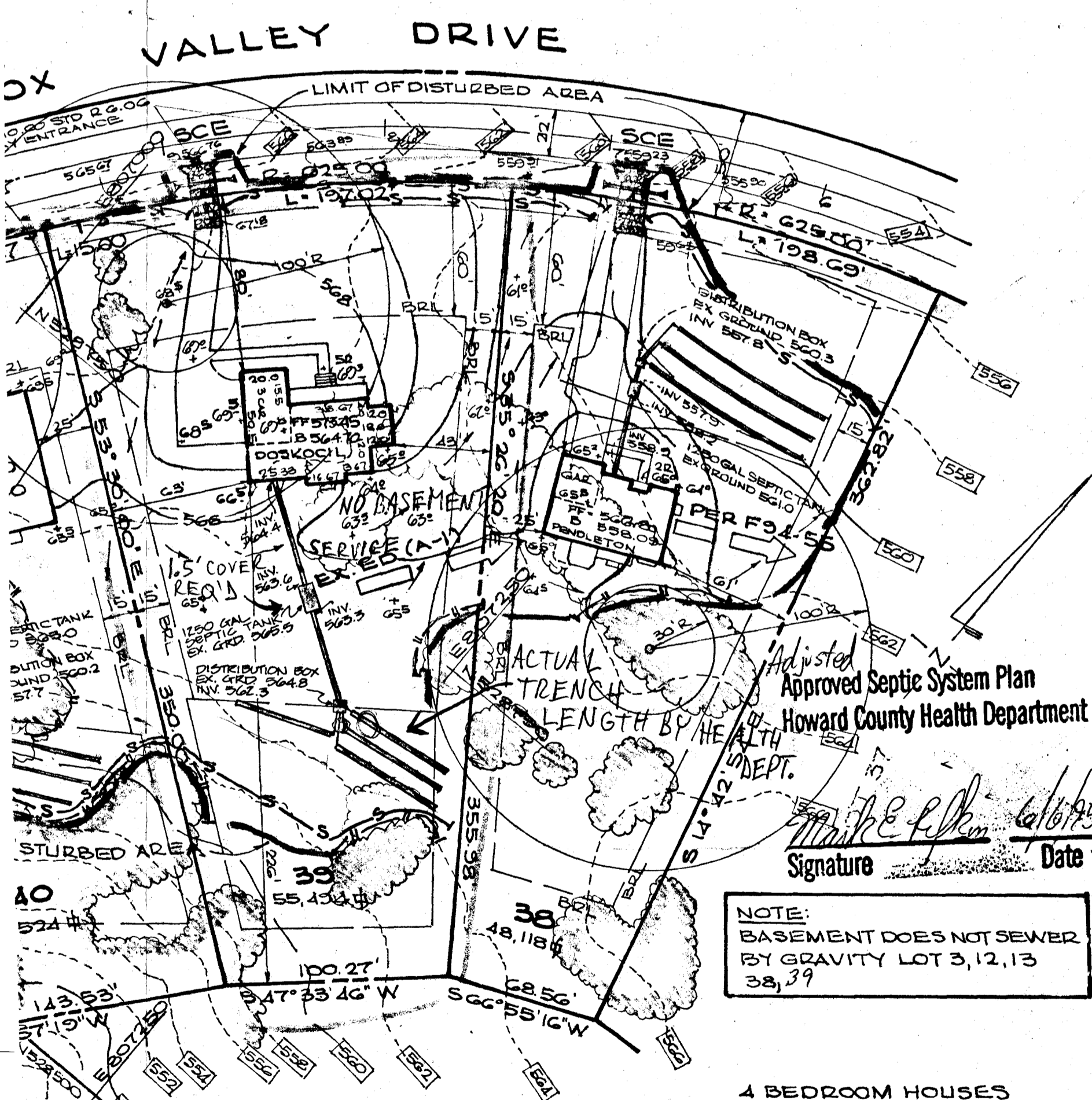
VICINITY MAP
 Scale: 1" = 2000'

LEGEND

- Contour Interval 2 Ft
- Existing Contour 410
- Proposed Contour 410
- Spot Elevation +10%
- Direction of Drainage
- Silt Fence
- Earth Dike
- Ex. Silt Fence
- Existing Trees to Remain
- Tree Protection Fence
- Inlet Protection
- Stabilized Construction Entrance w/ Mountable Berm
- Walkout Basement

NO.	REVISION	DATE
1	REV HSE & GRD LOT 39 FROM GEN. BOX TO 'DOKKOCIL'	3-13-95
2	REV. GRD. & FF. GEN. LOT 30	5-10-95
3	REV. SEPTIC SYSTEM LOCATION LOT 39 PER MARK RIPPEN OF HO. CO. HEALTH DEPT.	6-2-95

VEWAY CULVERT PROFILE - DRIVEWAY CULVERT
 LOT 39 LOT 40



Adjusted
Approved Septic System Plan
 Howard County Health Department
 Signature: *Mark E. Rippen* Date: 6/16/95

NOTE:
 BASEMENT DOES NOT SEWER BY GRAVITY LOT 3, 12, 13, 38, 39

Professional Engineer Seal for Clark, Finefrock & Sackett, Inc. dated 9/13/94.

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED R.M.T ZAL	SITE DEVELOPMENT, SEDIMENT AND EROSION CONTROL PLAN LOTS 3, 12, 13, 38, 39 & 40 WEST FRIENDSHIP ESTATES SECTION 1 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 50'
DRAWN R.M.T		DRAWING 1 OF 1
CHECKED JME		JOB NO. 94-144
DATE 9-12-94		FILE NO. 94-144 X

FOR: JAMES H. SELFRIDGE BUILDERS INC.
 8131 DORSEY RUN ROAD
 JESSUP, MARYLAND 20794