

8/6/99
10:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 5/2020

A 50368-U

DISTRICT _____

DATE 7-20-99

DATE SYSTEM APPROVED 8/6/99

INSPECTOR S.R.V.

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

#360427
INDEXED

Walter King Plumbing & Heating IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 5305 Kings Court, Frederick, Maryland 21703 PHONE 301-662-6990

SUBDIVISION Riggs Property LOT 25 ROAD 1929 Sycamore Spring Court

PROPERTY OWNER Ryan Homes

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 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Start the first trench 170 feet from the front lot line and 70 feet from the left lot line. Run trenches on contour to left side of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. at 12/99 DS

PLANS APPROVED BY Mark Rifkin DATE 7-29-1999

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)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

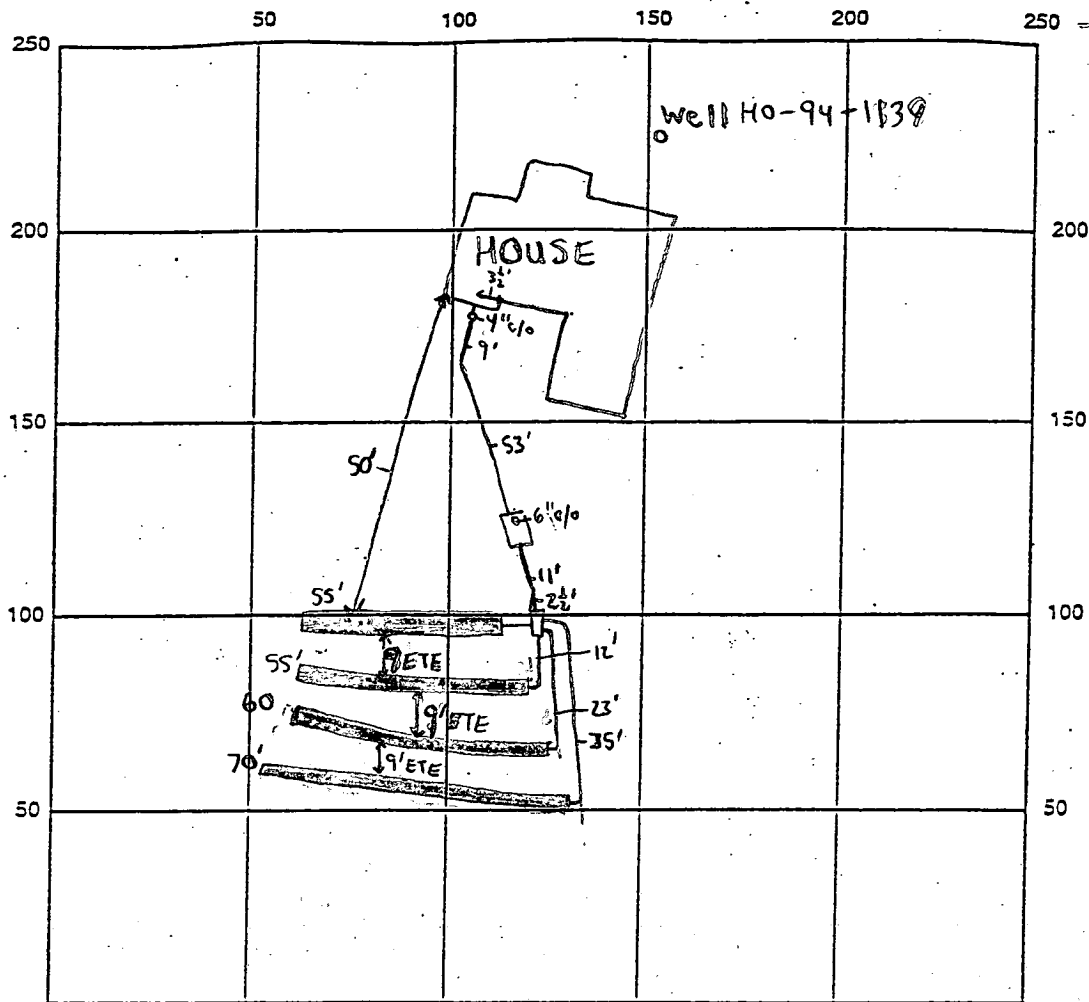
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

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



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
SYCAMORE SPRING COURT

SEPTIC TANK LEVEL 1250 gallon midseam CLEANOUTS 4" @ House, 6" @ Tank

DISTRIBUTION BOX LEVEL ✓ Baffle is in

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

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 4 ONE-SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 8/6/99 - OK TO COVER ALL WORK, WPI OK (SRV)

DATE SYSTEM APPROVED 8/6/99 INSPECTOR Steven R. Kueg

Total linear feet of trench
required 240 feet

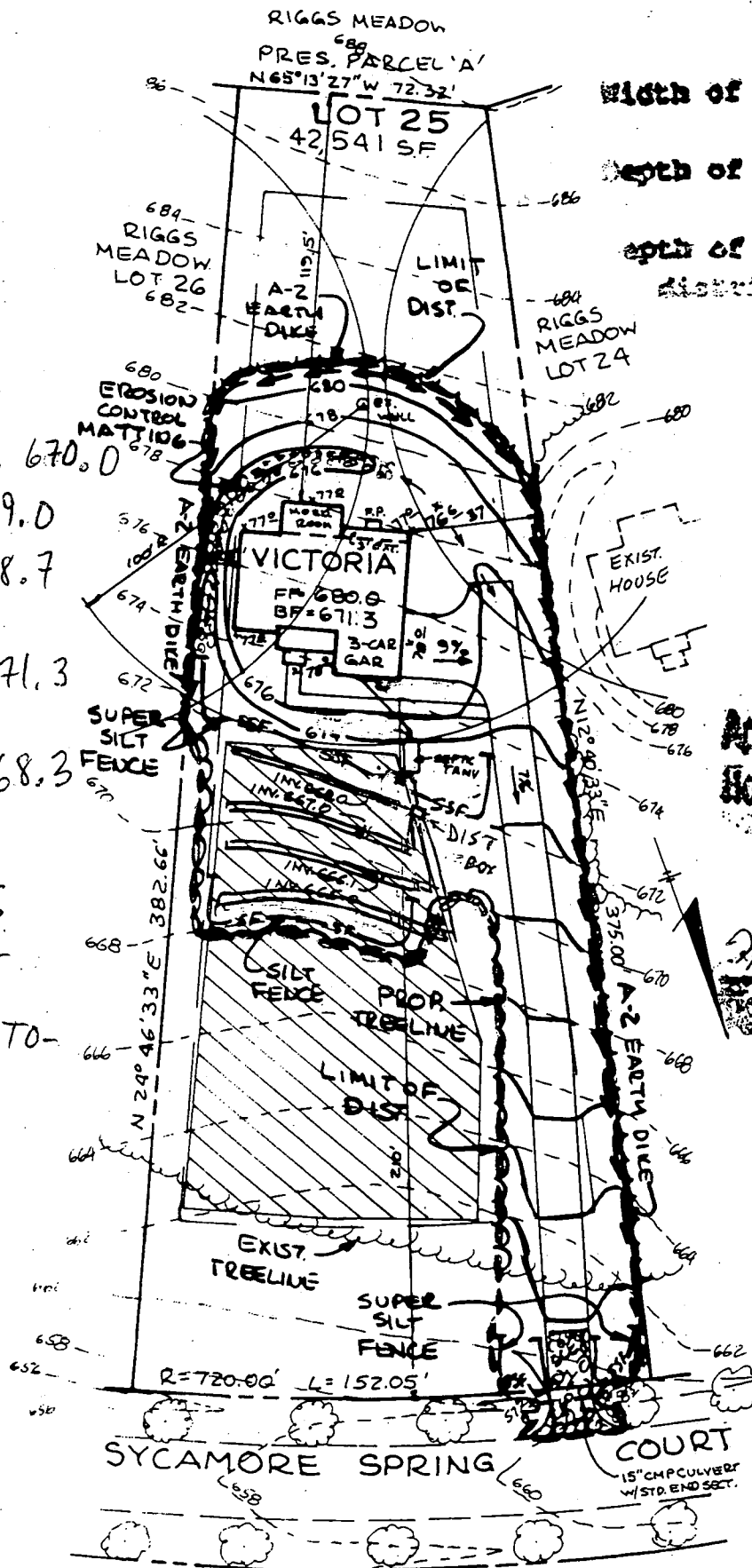
Width of trench(es) 3 feet

Depth of trench(es) 5 feet

Depth of stone required below
distribution pipe 2 feet

HOUSE INV. 670.0
S.T. IN 669.0
S.T. OUT 668.7
DIST. BOX
Ex. EL: 671.3
DIST. BOX IN
668.3

INSTALL
TRENCHES
10' APART
(CENTER-TO-CENTER)



Approved Septic System Plan
Howard County Health Department
B 00118656 4BR

Mark E. Rifkin 7/29/99
Signature Date

PLAN
SCALE: 1"=50'

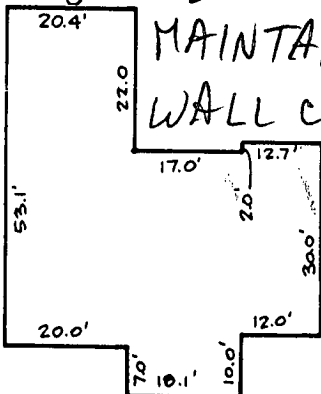
THIS LOCATION DRAWING IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY, OR ITS AGENTS, IN CONNECTION WITH FINANCING THE PROPERTY SHOWN HEREON. THIS DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF PROPERTY LINES OR THE CONSTRUCTION OF IMPROVEMENTS SUCH AS FENCES, GARAGES, OR BUILDING ADDITIONS. THIS DRAWING SHOWS THE CONFIGURATION AS CURRENTLY RECORDED, BEING SUFFICIENT FOR SETTLEMENT PURPOSES, BUT BEING INSUFFICIENT FOR THE SETTING OF PROPERTY CORNER PINS ON THE GROUND.

SYCAMORE SPRING COURT
(PUBLK ROAD - 50' R/W)
R=720.00'
L=162.06'

7/29/99

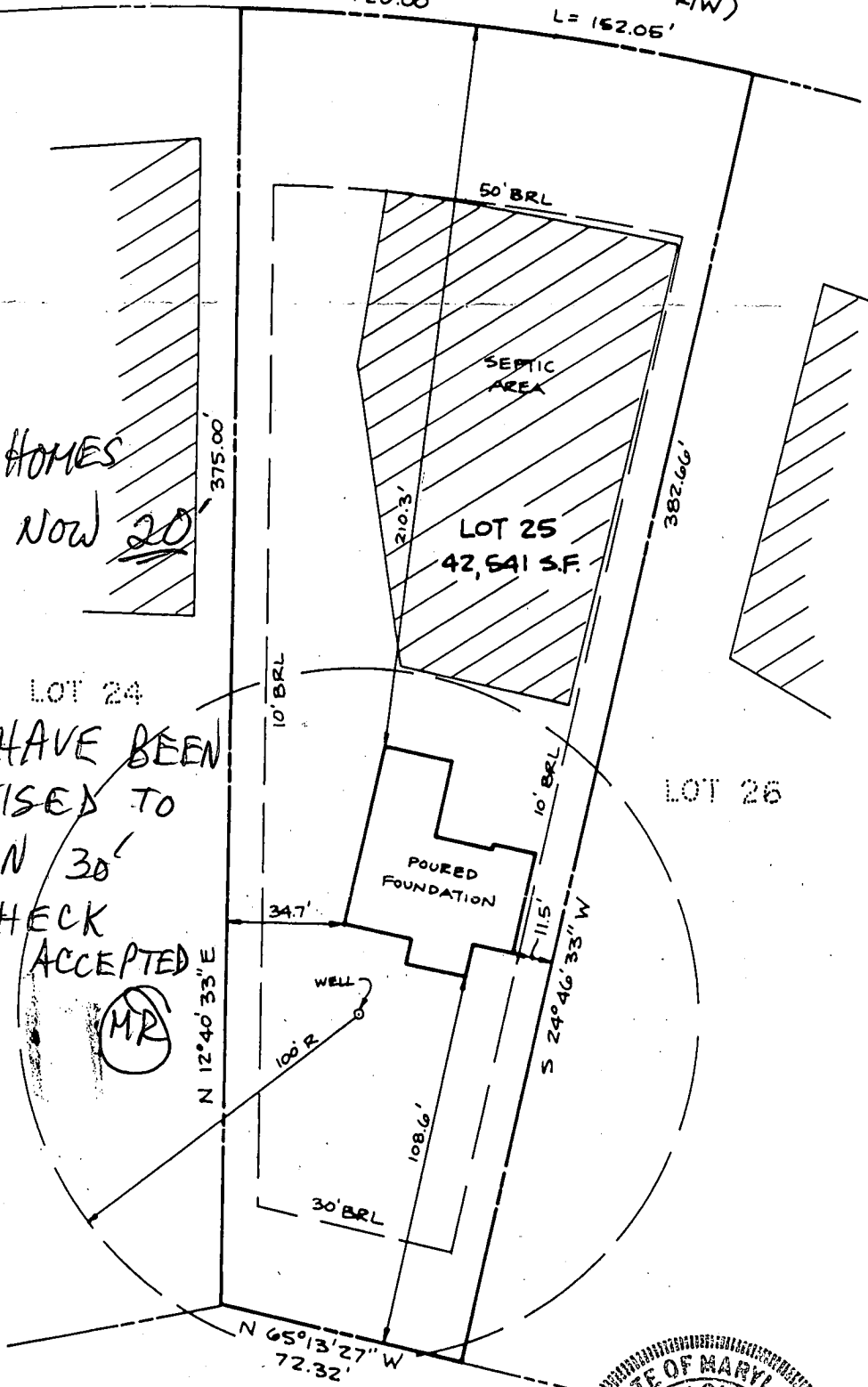
W/L.R. OF RYAN HOMES
VIA T/C: WELL NOW 20'
TO HOUSE;

BLDR ADVISED LOT 24
THAT AB. COULD HAVE BEEN
REQ'D AND ADVISED TO
MAINTAIN 30'
WALL CHECK
ACCEPTED



BLOWUP
SCALE: 1"=30'

TOP OF FOUNDATION
WALL ELEV. = 679.5



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE LOCATION DRAWING SHOWN HEREON IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE IMPROVEMENTS HAVE BEEN LOCATED AS THE RESULT OF A FIELD SURVEY, AND THAT THERE ARE NO VISIBLE ENCROACHMENTS UNLESS SHOWN. THE PROPERTY DOES NOT LIE WITHIN A FLOOD HAZARD AREA ON THE FEMA F.I.R.M. IDENTIFIED BELOW. AT THE WRITTEN REQUEST OF THE PURCHASER, NO PROPERTY CORNER MARKERS HAVE BEEN SET.

Peter J. Dare
PETER J. DARE
MD. PROPERTY LINE SURVEYOR #224

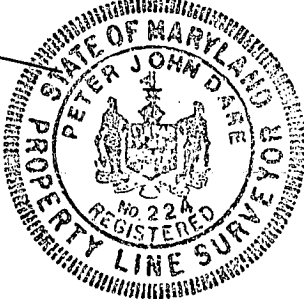
RECORD PLAT No. 12960
FEMA FIRM No. 240044 0008 B
DATED: 12-4-86

BENCHMARK

ENGINEERING INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MD 21043
PHONE: 410-465-6105 FAX: 410-465-6644

PRES. PARCEL A



LOCATION DRAWING
RIGGS MEADOW
LOT 25

1929 SYCAMORE SPRING COURT

4th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: 7-14-99

APPLICATION

PERCOLATION TESTING

A 50368-U

P 511998

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

DISTRICT

4th

DATE

9/30/94

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

Amalia Riggs c/o SDC Group, Inc Ryan Homes
8480 N Baltimore - National Pk

ADDRESS

PO BOX 417, Ellicott City, MD 21041 PHONE (410) 465-6105

PROSPECTIVE BUYER

ADDRESS

PHONE

PROPERTY LOCATION:

SUBDIVISION

Riggs Property

LOT NO.

Grd. 1 25

ROAD AND DESCRIPTION

Located @ SW Corner of the intersection of
Roxbury Mill (Rte. 97) & Frederick Rd (Rte 144)

TAX MAP

8414

PARCEL #

96

SIZE OF LOT

55000 ± S.F.

TYPE BLDG

MOBILE PERMIT SIGNED

AND RETURNED 7-29-99

Shirley B. 118056-4000

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.

James R. Morley, III V. Pos.

(SIGNATURE OF APPLICANT)

APPROVED BY

FOR

DATE

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

DATE

REASONS FOR REJECTION OR HOLDING

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

516

topsoil

brown

clay

orange

brown

solum

bright

red

solum

535

topsoil

reddish

brown

solum

bright

red

solum

515

topsoil

brown

clay

orange

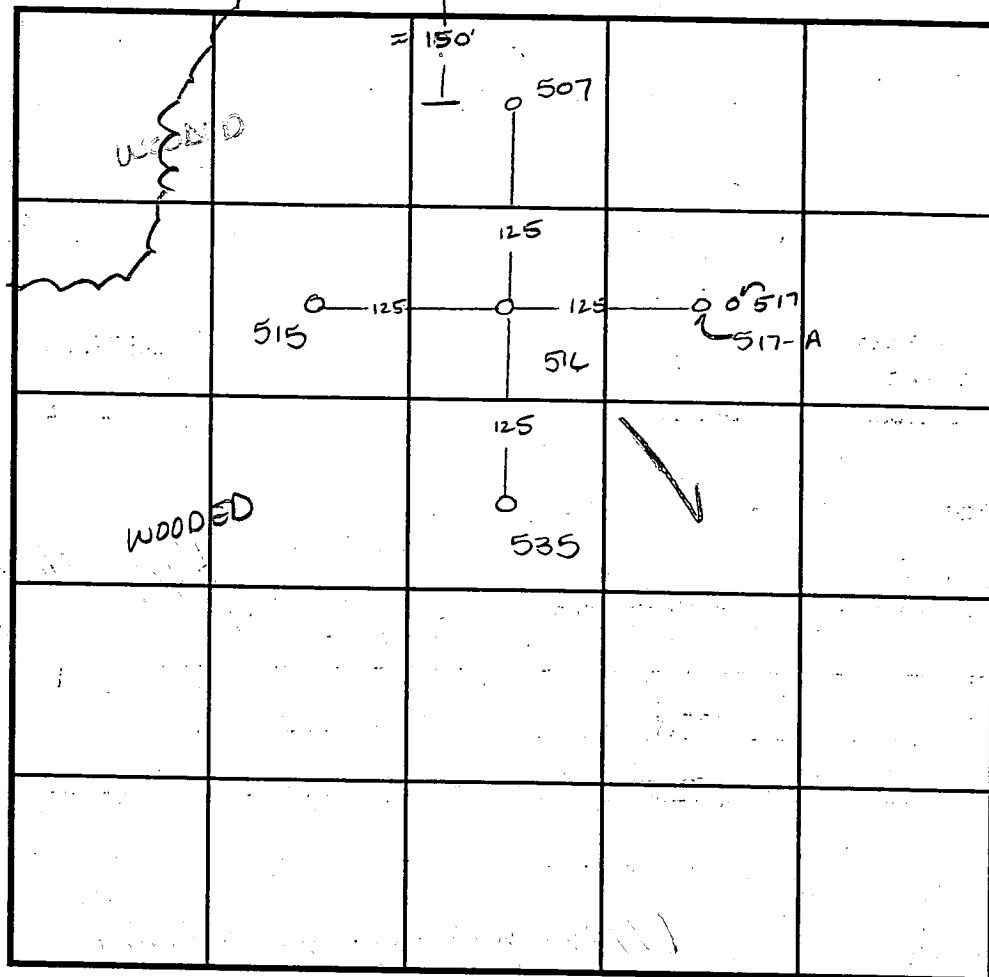
brown

solum

bright

red

solum



SOIL PROFILE

517-A

dark

red

solum

dark

red

solum

yellow

mottles

blom

parent

rock -

NOT

H₂O

507

tan

clum

orange

solum

bright

orange

red to

pink

solum

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-10-94	516	4.0 / 11.5	6:58	6:58 ³⁰	6:58 ³⁰	6:59 ³⁰	1min
	535	4.0 / 10.5	6:02 ⁴⁵	6:05 ³⁰	6:05 ³⁰	6:09 ¹⁵	3 ³ / ₄ min
	515	3.5 / 11.0	6:13	6:14 ⁴⁵	6:14 ⁴⁵	5:17	21min
	517	Refusal at	4.0				1F...
	517-A	Visual to	517-A	- see	profile	OK	
	507	4.5 / 10.5	7:01	7:02 ¹⁵	7:02 ¹⁵	7:04	1 ³ / ₄ min

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

< 7min

TRENCH WIDTH

3

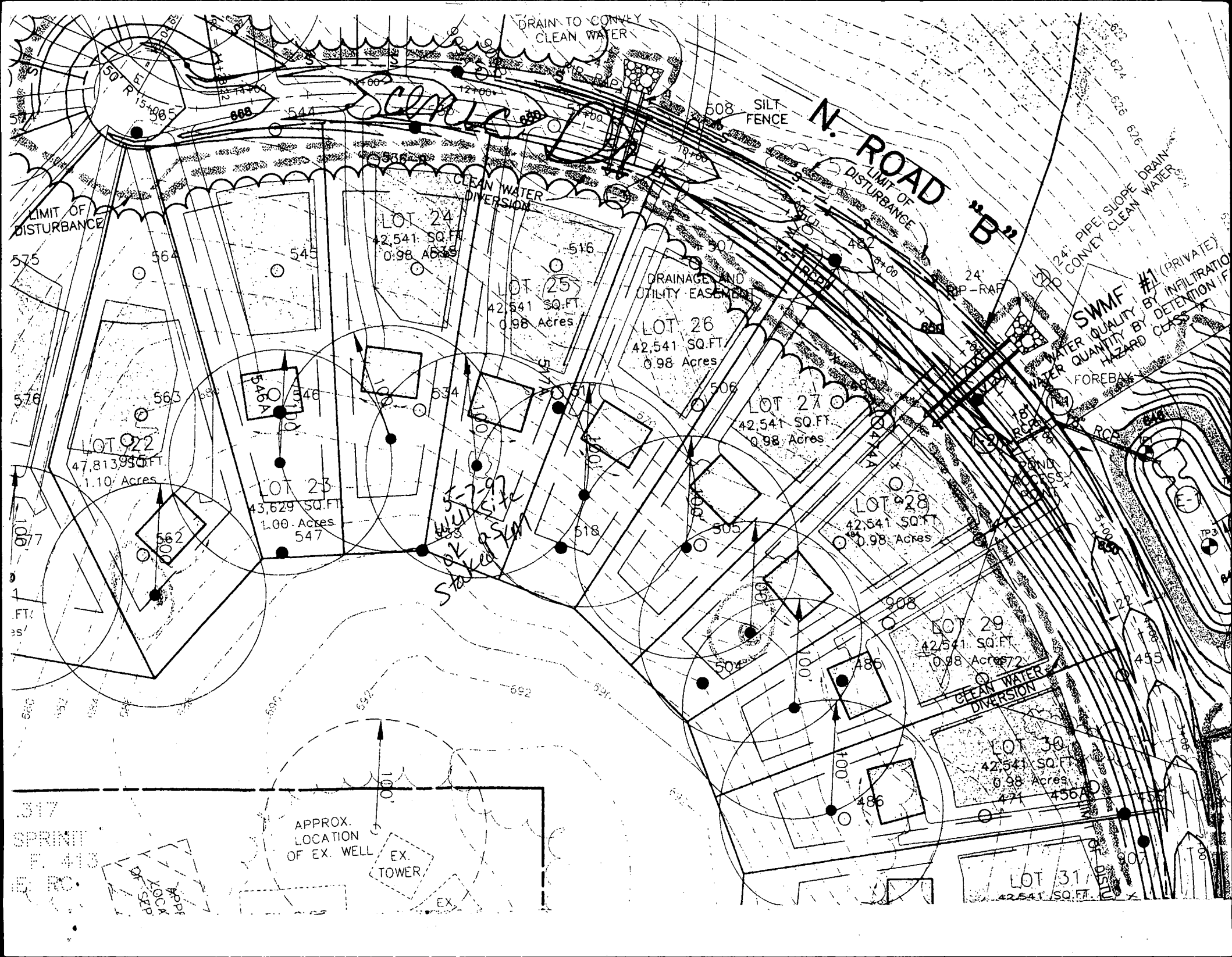
INLET DEPTH 3.0

MAXIMUM BOTTOM DEPTH

5.0

SQ. FT./BEDROOM

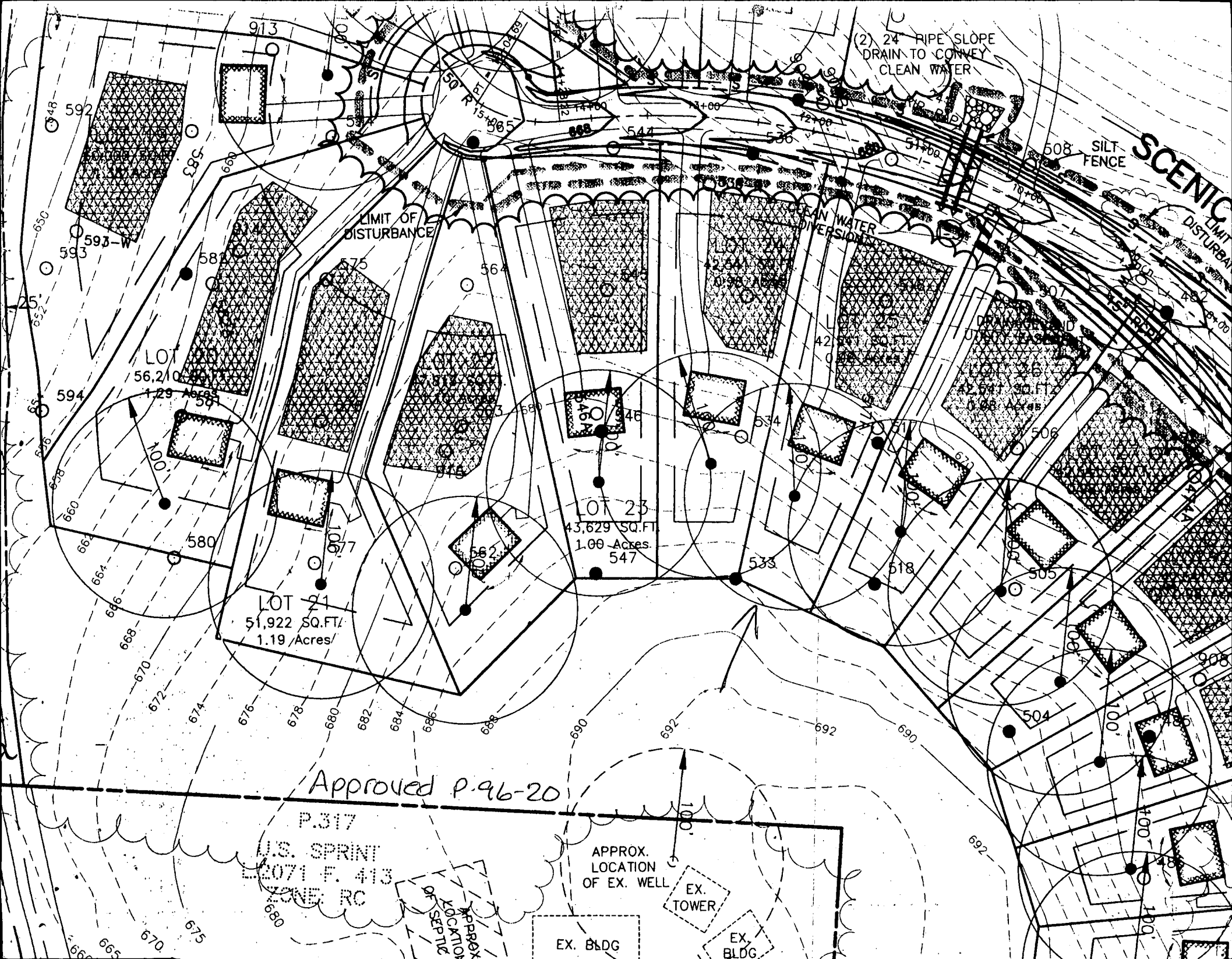
180



317
SPRINT
F. 413
E. RO.

APPROX.
LOCATION
OF EX. WELL
EX.
TOWER

SWMF #1 (PRIVATE)
WATER QUALITY BY INFILTRATION
HAZARD CLASS
FOREBAY



(2) 24" PIPE SLOPE
DRAIN TO CONVEY
CLEAN WATER

SILT
FENCE

SCENIC
DISTURBANCE

LIMIT OF
DISTURBANCE

CLEAN WATER
DIVERSION

LOT

56,210

1.29 Acres

593-W

LOT 23

43,629 SQ.FT.

1.00 Acres

547

LOT 21

51,922 SQ.FT.

1.19 Acres

Approved P-96-20

P.317

U.S. SPRINT

L2071 F. 413

ZONE RC

APPROX.
LOCATION
OF SEPTIC

APPROX.
LOCATION
OF EX. WELL

EX.
TOWER

EX. BLDG

EX.
BLDG

COUNTY

C1 6040

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.COUNTY
NUMBER1 2 3 6
(THIS NUMBER IS TO BE PUNCHED
IN COLUMNS 3-6 ON ALL CARDS)ST/CO USE ONLY
DATE Received
MM DD YY
8 13

DATE WELL COMPLETED

MM DD YY
5 21 97
15 20

Depth of Well

22 400' 26
(TO NEAREST FOOT)PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HO-94-1139
28 29 30 31 32 33 34 35 36 37

OWNER

STREET OR RFD

SUBDIVISION

SECTION

LOT 25

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
COLOR, DEPTH, THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)FEET
FROM TOcheck
if water
bearingBrown Shale
Gray Mica
Rock

0 21

21 400 ✓

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)yes no
Y N
44 44

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM

BENTONITE CLAY BC

NO. OF BAGS 6 NO. OF POUNDS 564

GALLONS OF WATER 36

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 22 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
belowST
STEELCO
CONCRETEPL
PLASTICOT
OTHERMAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)

St 60 61

6 63 64

25 66 70

OTHER CASING (if used)

diameter depth (feet)
inch from toE
A
C
H
C
A
S
I
N
Gscreen type
or open hole

SCREEN RECORD

ST
STEELBR
BRASSHO
OPEN
HOLEPL
PLASTICOT
OTHER(insert
appropriate
code
below)

C 2

DEPTH (nearest ft.)

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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
H 23 400
S 23 24 26 30 32 36
R 38 39 41 45 47 51
E
N
SLOT SIZE 1 2 3
DIAMETER (NEAREST INCH)
OF SCREEN 56 60
from to

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED

yes
Yno
N

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
WELLI 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. 1 M S D 0 2 4

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 M D

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 68MDE USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

70

72

74 75 76

TELESCOPE
CASINGLOG
INDICATOR

OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 6

PUMPING RATE (gal. per min.) 2

METHOD USED TO
MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 63 ft.

WHEN PUMPING 375 ft.

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.TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O)
IN BOX 29CAPACITY:
GALLONS PER MINUTE
(to nearest gallon) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH
(nearest ft.) 43 47CASING HEIGHT (circle appropriate box
and enter casing height)

+ above

LAND SURFACE

- below

(nearest
foot) 2

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)