

10/15/98
11:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 511015A

A 49482-S

DISTRICT 4th

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

04-357140

DATE 9-30-98

DATE SYSTEM APPROVED 10/15/98

INDEXED

INSPECTOR KW

Olen Ketterman IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144, Woodbine, Maryland 21797 PHONE 410-442-1336

SUBDIVISION Warfields Grant LOT 22 ROAD 16028 Fields End Court

PROPERTY OWNER James H. Selfridge Builders

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES - Trench to be 3 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 110 feet up the left (265.46') lot line and 60 feet off that same lot line as seen when facing the lot from Fields End Court. Run trenches on contour toward the right 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.

[Signature]

PLANS APPROVED BY Amy McMillen/Glen Savage DATE 8/14/98

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.

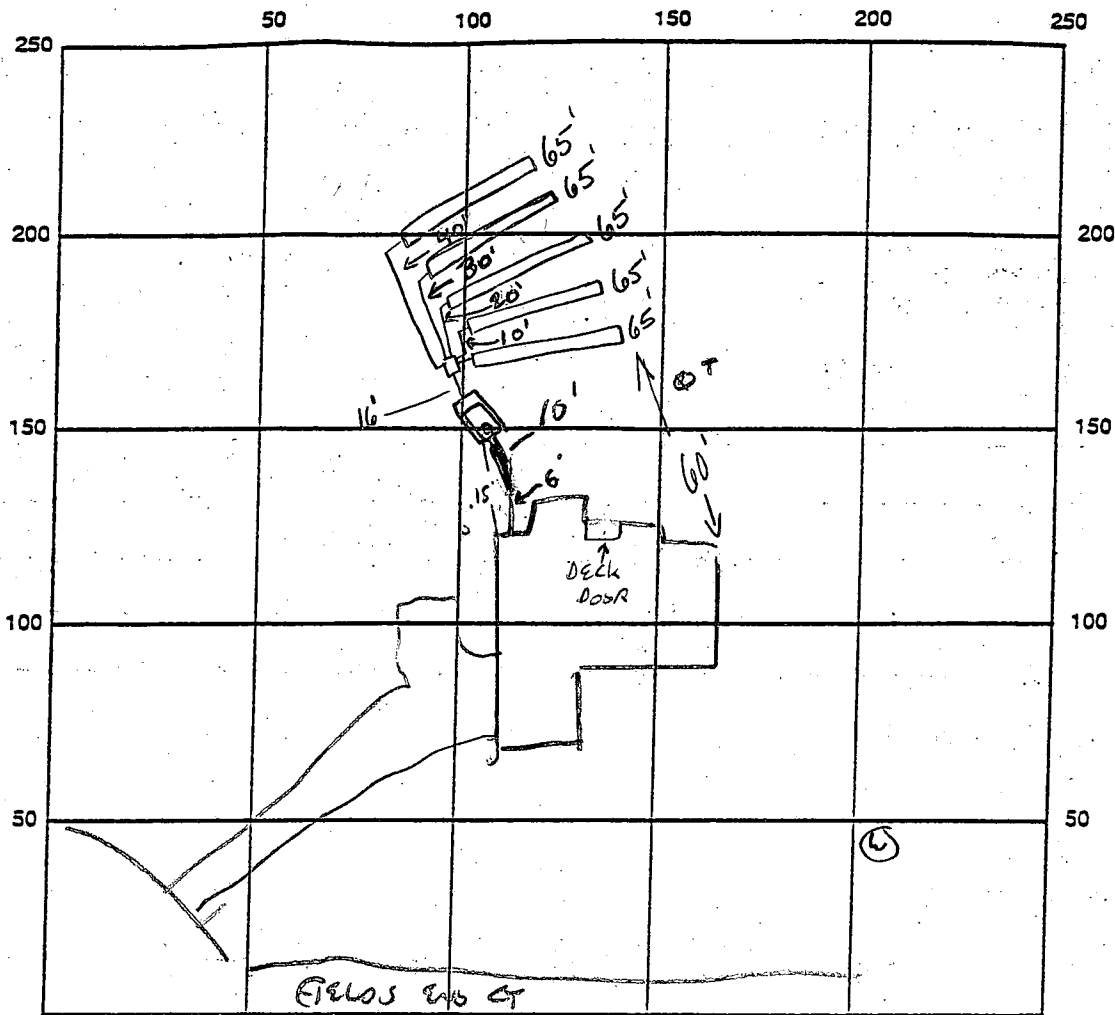
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

LDG. PERMIT SIGNED AND RETURNED 10-29-98
[Signature] Serial # B70114845

[Signature]

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

5-23667-1
19482-S



T=TEST HOLES
 AUG TO 13'
 CLAY TO 4'
 SIL TO 13'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK CLEANOUTS 1 on Tank

DISTRIBUTION BOX LEVEL ok, baffle in

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 5 x 65 FT. → 325

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 1975 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 10-1-98 OBSERVED TEST TANK ABOVE GROUND TANK HOLE WAS COVERED BY ROCK 5 TO 8' IN SIZE
OF HOLE, TEST HOLE GOOD 4-9, REVISE SPECS 4-6' AT CONTRACTOR REQUEST OK

10-2-98 ST OK TO COVER

10/15/98 ok to cover all work (KJM)

10/15/98 WPI 4.5' to pitless, 1' 8" above grade 21 pieces of pipe

DATE SYSTEM APPROVED 10/15/98 INSPECTOR KJM / [Signature]

APPLICATION

PERCOLATION TESTING

A 494825

P _____

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

DISTRICT _____

DATE _____

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 BUILDERS
WARFIELDS GRANT LTD. PARTNERSHIP c/o Ronald B. Carter

ADDRESS P.O. Box 122 ELLICOTT CITY PHONE _____
MD. 21043

AGENT OR PROSPECTIVE BUYER FISHER COLLINS & CARTER ATTN: Zach Fisch

ADDRESS 9171 BALTIMORE NATIONAL PINE ELLICOTT PHONE 461-2855
CITY MD. 21042

PROPERTY LOCATION:

SUBDIVISION WARFIELDS GRANT SEC. 2 LOT NO. 22

ROAD AND DESCRIPTION Daisy Road (16028 Fields Cnd Crnt)

**BLDG. PERMIT SIGNED
AND RETURNED 8-14-98**
Serial # B7112960

TAX MAP 13 PARCEL # 128

SIZE OF LOT 1 AC. ± TYPE BLDG. S.F.D. - 4Brm.
(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. Zacharia G. Fisch (agent)
(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 _____

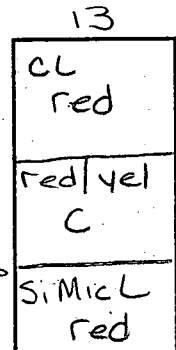
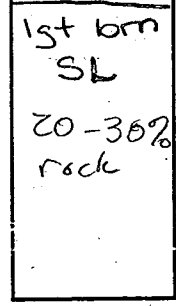
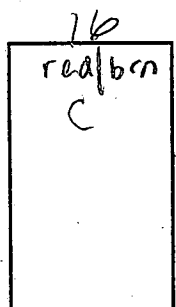
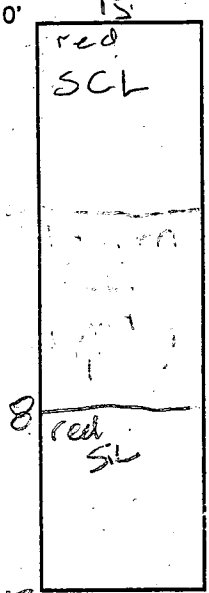
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

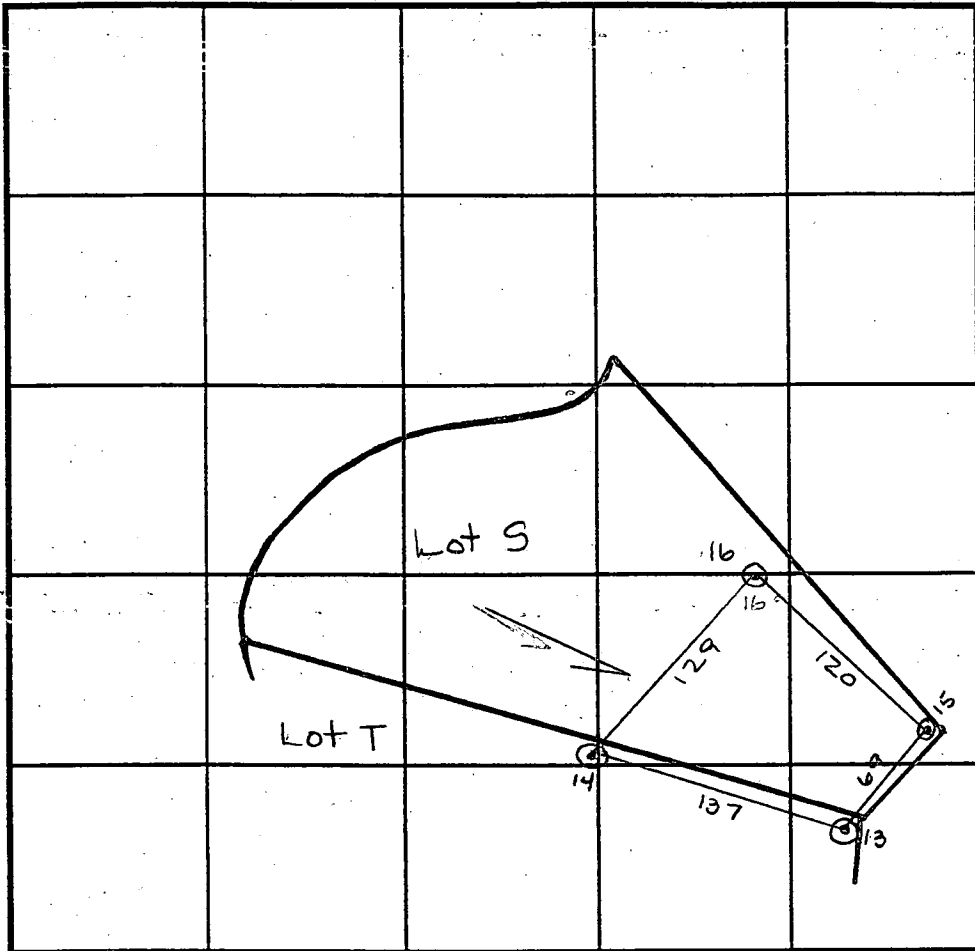
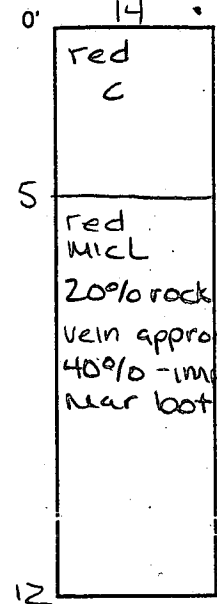
A494825

COUNTY.#

SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

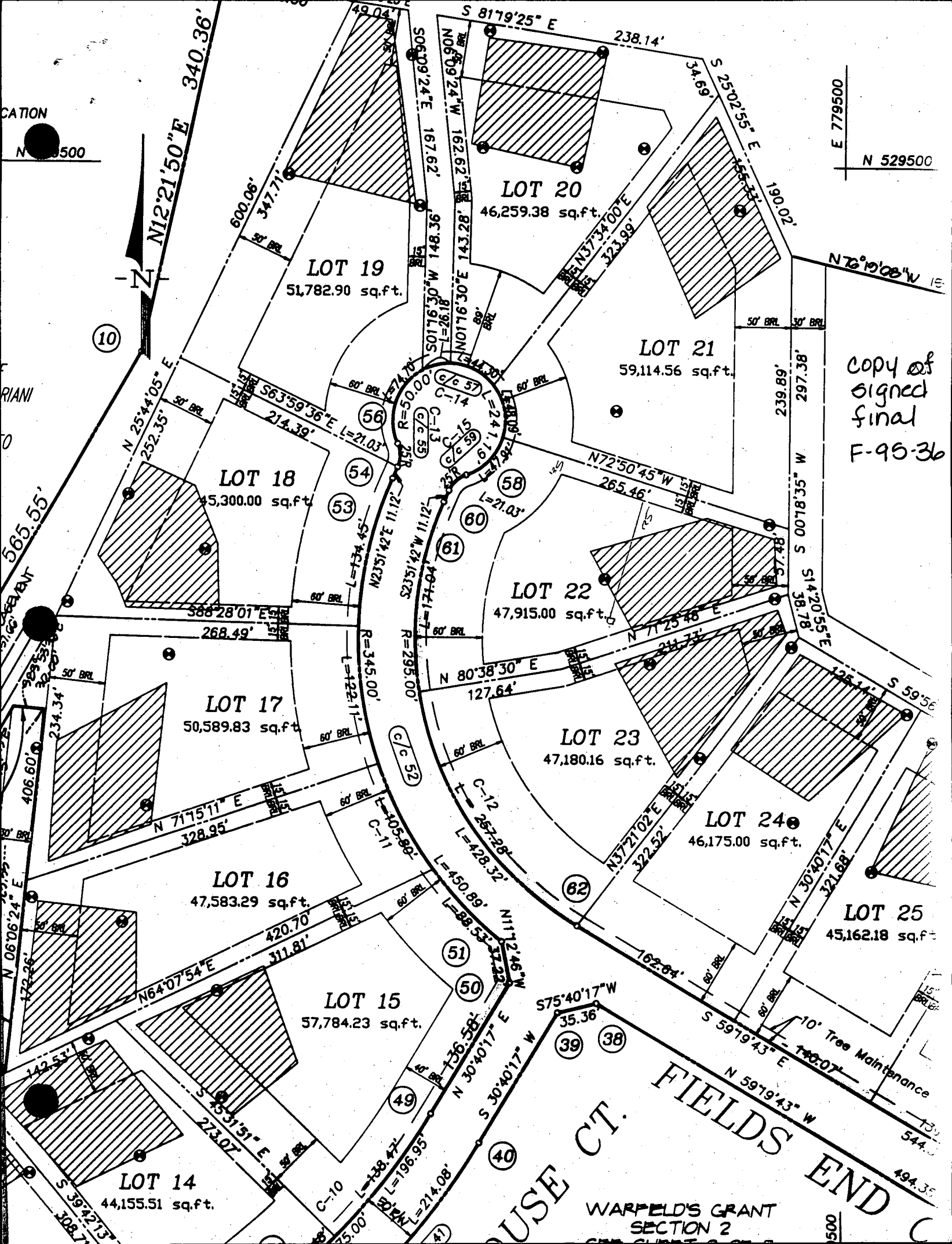
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/18/93	15	V11 5	11:50	12:08	12:08	12:36	28
		8	11:47	11:54	11:54	12:16	22
	16	V12 6	1:08 ⁵⁰	1:11	1:11	1:14 ³⁰	3 1/2
		9	1:08 ⁴⁰	1:12	1:12	1:21 ³⁰	8 1/2
	14	V12 6	12:56 ¹⁵	12:58 ⁰⁷	12:58 ⁰⁷	1:01 ³⁰	3 1/2
		8	12:55 ⁵⁷	12:59 ³²	12:59 ³²	1:05 ³⁰	6
	13	V12 6	11:34	11:36	11:36	11:41	5

REMARKS _____
 TYPE OF SOIL GLENELG
 TESTED BY Amy McMillen / cawell ALSO PRESENT Cissie / Andres
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 15 MIN TRENCH WIDTH 3
 INLET DEPTH 5 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM 240

CATION
N 500

E 779500
N 529500

copy of
signed
final
F-95-36



10

LOT 19
51,782.90 sq.ft.

LOT 20
46,259.38 sq.ft.

LOT 21
59,114.56 sq.ft.

LOT 18
45,300.00 sq.ft.

LOT 22
47,915.00 sq.ft.

LOT 17
50,589.83 sq.ft.

LOT 23
47,180.16 sq.ft.

LOT 16
47,583.29 sq.ft.

LOT 24
46,175.00 sq.ft.

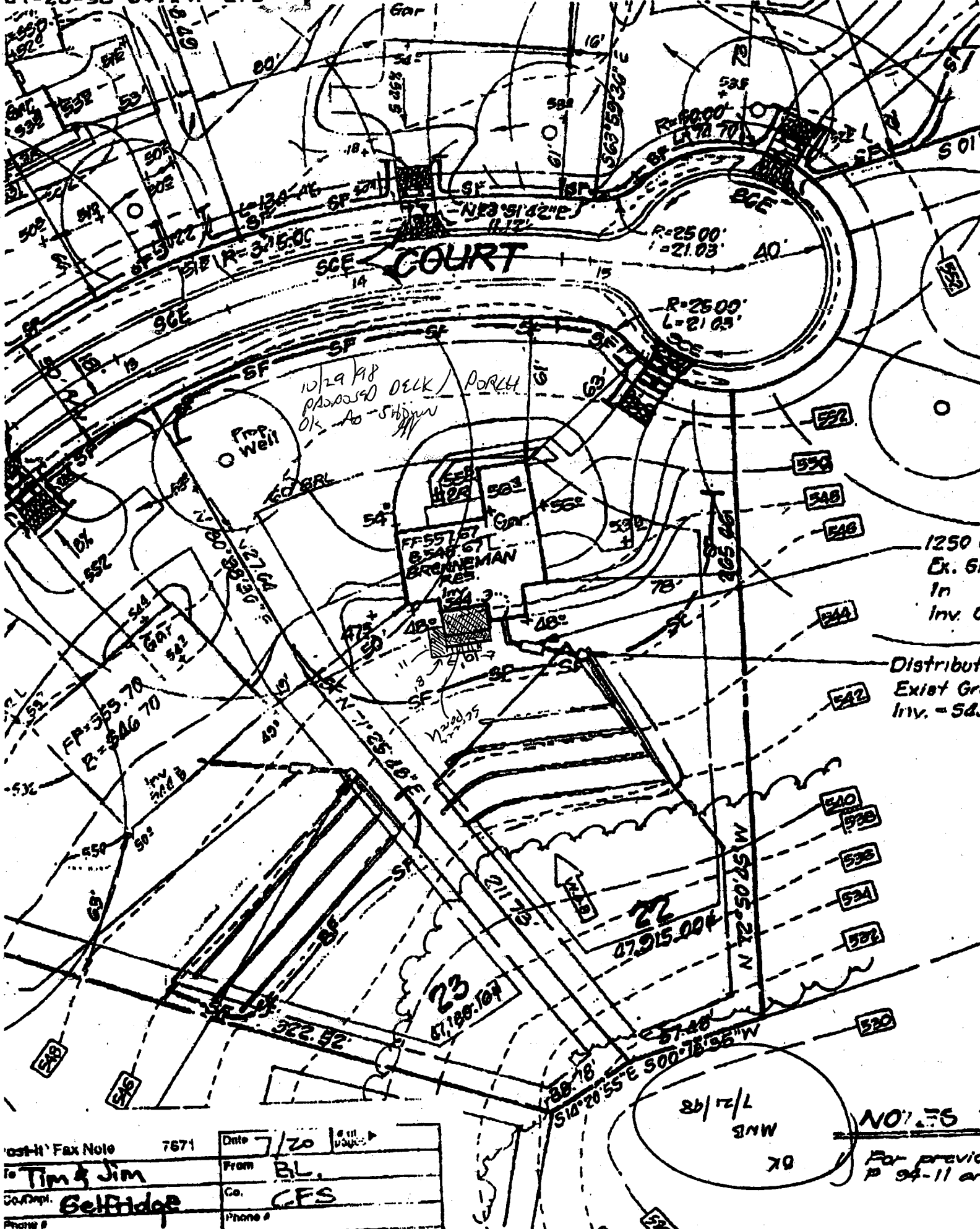
LOT 15
57,784.23 sq.ft.

LOT 25
45,162.18 sq.ft.

LOT 14
44,155.51 sq.ft.

USE CT.
FIELDS END
WARFIELD'S GRANT
SECTION 2

10' Tree Maintenance

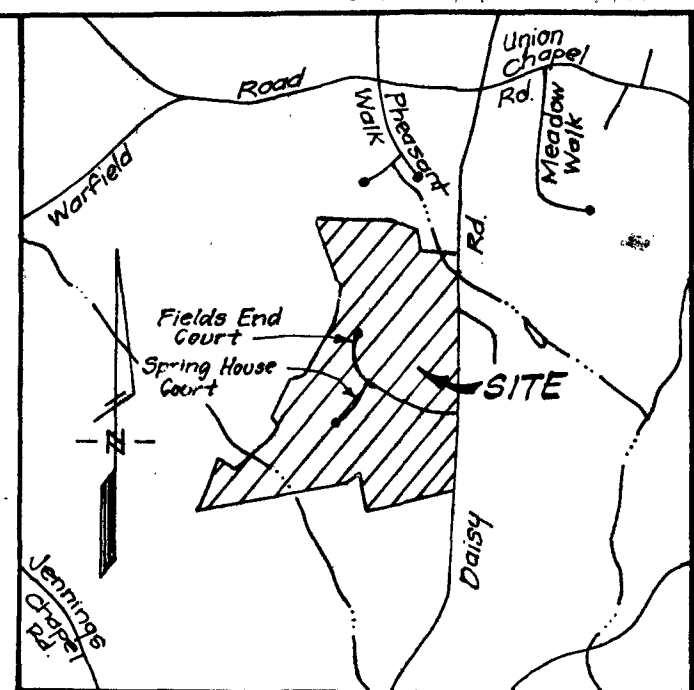


CSH Fax Note	7671	Date	7/20	Bill To	
To	Tim & Jim	From	BL		
Company	Gelbridge	Co.	CFS		
Phone #		Phone #			

NO. 1075
 For previous
 p 94-11 an

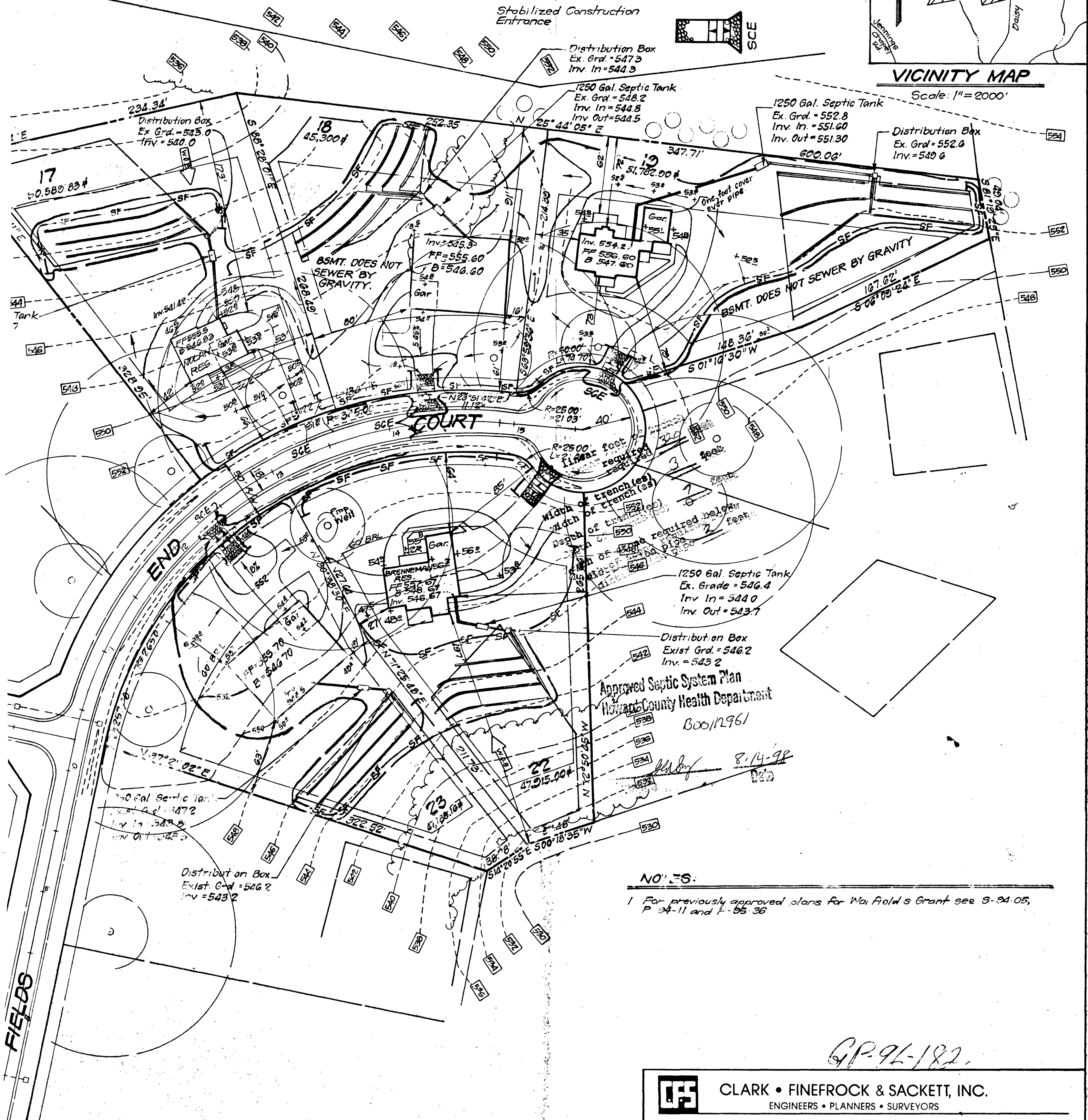
LEGEND

- Contour Interval 2 Ft.
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Existing Trees To Remain
- Tree Protection Fence
- Silt Fence
- Stabilized Construction Entrance



VICINITY MAP

Scale: 1" = 2000'



Approved Septic System Plan
Howard County Health Department
B0012961

NOTES:

- 1 For previously approved plans for Warfield's Grant see 8-24-05, P. 24-11 and 1-25-36

GP-96-182

ENGINEER'S CERTIFICATE
I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
G. Nelson Clark
G. NELSON CLARK
5-28-96
DATE



<p>CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.</p>		DESIGNED	<p>SITE DEVELOPMENT, SEDIMENT AND EROSION CONTROL PLAN WARFIELD'S GRANT LOTS 2, 5, 8, 11, 14, 17-19, 22, 23 & 28 SECTION 2 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p>	SCALE
		DRAWN		1" = 50'
CHECKED	DATE	<p>For: SELFRIDGE BUILDERS, INC. 14045 Gared Drive Glenwood, Md. 21738</p>	JOB NO.	
<p>5-28-96</p>	<p>8-14-98</p>	FILE NO.		
		96-085-X		

B 1 4767 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-1618 fill in this form completely

Date Received (APA) 7.6.98

OWNER INFORMATION

SELFRIDGE Builders Inc. 14045 GARDEN DR. GLENWOOD MD 21238

B 3 HOWARD LOCATION OF WELL

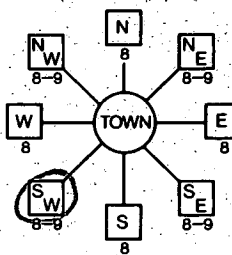
WARFIELDS GRANT SECTION 2 LOT 22 DAISY

DRILLER INFORMATION

RALPH MAYNE M.S.D. 116 RALPH MAYNE WELL DRILLING 9120 BROWN CHURCH RD. MT AIRY

MILES FROM TOWN (enter 0 if in town) I

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



FIELDS END CT NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH WEST EAST

DISTANCE FROM ROAD 25 ENTER FT OR MI TAX MAP: 13 BLK: 24 PARCEL: 128

B 2 WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER. HEALTH DEPARTMENT APPROVAL

Howard A49482S COUNTY NAME COUNTY NO. STATE SIGNATURE Kim Munte 7.13.98 7.13.99 DATE ISSUED CO SIGNATURE EXP. DATE NORTH GRID 529 000 EAST GRID 779 000

APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 64 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) AIR-ROTARY (circled) JETTED AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE Reverse-ROTary Drive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

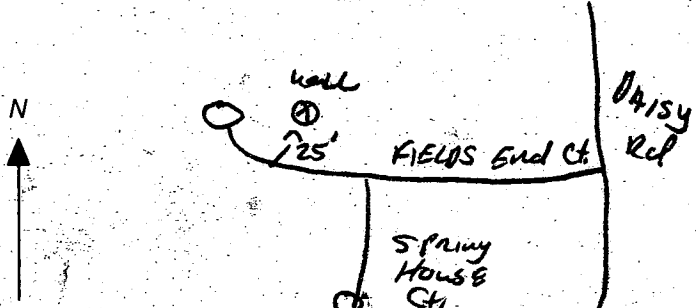
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. well 2. well 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 78079 N 5259

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER 54 63 PERMIT No. HO-94-1618

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

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1618
 Location of property (road) Fields End Ct
 Subdivision Warfields Grant Lot 22 Block Plat Sec.
 Well Driller Ralph Mayne Owner Selridge Builders
 Depth of well 305'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 55'

I. High rate pumping -- reservoir drawdown

Time pump started 2:30 Pumping rate 12 Gpm
 Total time 15 min to reach pumping water level 182 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill <u>3</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)	
2:45	182 <u>✓</u>	15 <u>Sec</u>		4 <u>GPM</u>	
3:00	182 <u>✓</u>	15 <u>Sec</u>		4 <u>GPM</u>	
3:15	182 <u>✓</u>	15 <u>Sec</u>		4 <u>GPM</u>	
3:30	182 <u>✓</u>	15 <u>"</u>		4 <u>"</u>	
3:45	182 <u>✓</u>	15 <u>"</u>		4 <u>"</u>	
4:00	182 <u>✓</u>	15 <u>"</u>		4 <u>"</u>	
4:15	182 <u>✓</u>	15 <u>Sec</u>		4 <u>GPM</u>	
4:30	182 <u>✓</u>	15 <u>Sec</u>		4 <u>GPM</u>	
4:45	182 <u>✓</u>	15 <u>Sec</u>		4 <u>GPM</u>	
5:00	182 <u>✓</u>	15 <u>"</u>		4 <u>"</u>	
5:15	182 <u>✓</u>	15 <u>"</u>		4 <u>"</u>	
5:30	182 <u>✓</u>	15 <u>Sec</u>		4 <u>GPM</u>	
5:45	182 <u>✓</u>	15 <u>Sec</u>		4 <u>GPM</u>	

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
110 Fillicott Mills Drive
Scotts City, MD 21043
410 9933

WELL PUMP AND PRESSURE TANK INSTALLATION

Receipt # _____
Date 10-14-98

George Baker Telephone 410-788-3051
Well Driller _____ Registered Number _____

Selridge Bldg Telephone 410-992-8287
45 Grant II Lot # 22 Well Tag # HO-94-1618

Motor
1. Horsepower 3/4
2. RPM _____
3. Voltage _____
a. 110 _____
b. 220

Pitless Adapter,
1. Make Martinson
2. Model # B 10 X
3. Depth 48'

2-5780
GPM

are off switch installed? Yes No _____
to protect the pump and electrical wiring from
arresters Cable guards Other _____

Piping
1. Type 1/2" HDPE Plastic
2. Size 1"
3. ASPE and/or NSCA
Code approved Yes
4. Depth of supply
line 48'

Well data
1. Depth 305 ft
2. Yield 4 GPM
3. Static water
level _____ ft.
4. Will water supply
be disinfected by
installer? Yes

responsibility to notify the Howard County Health
Department ready for inspection (otherwise this permit

to the best of my knowledge.

Signature of Applicant: George Baker
Date 10-14-98

status of the installation will be placed
at the inspection.

HOWARD COUNTY HEALTH DEPARTMENT
REQUEST FOR SEPTIC PERMIT ISSUANCE

=====
Date of septic permit request: 9/30/98 Date of septic permit issuance: 9/30/98
=====

INSTALLER

Company Name Oliver Ketterman Phone Number 442 1336
=====

PROPERTY IDENTIFICATION

Subdivision Warfields Grant Lot # 22
Street Address 16028 Fields End Court
=====

SEPTIC SYSTEM REQUIREMENTS (circle one)

Pumped septic system required: yes no
If yes, pump detail submitted by installer: yes no
pump detail reviewed: yes no
date reviewed/reviewer: _____
=====

CERTIFICATION LOCATION DRAWING

Date copy of certified location drawing (wall check) received: 9/30/98
date reviewed/reviewer: 9/30/98 A
=====

WELL PUMP INSPECTION (W.P.I.)

Date Well Pump Inspection form received: 10/15/98 OK A
* NO PVC conduit pipe *
=====