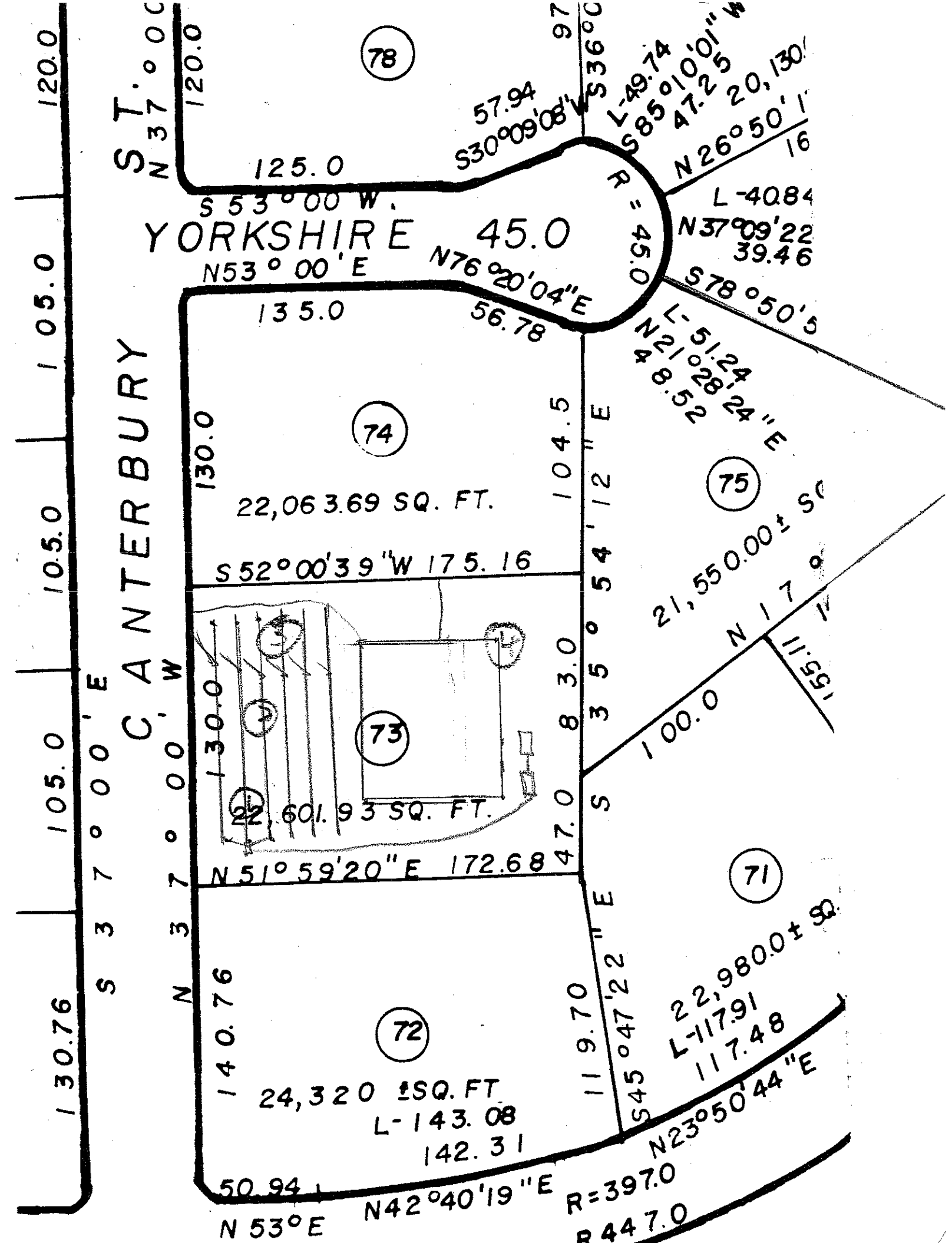

78
120.0
N 37°00' W
125.0
S 53°00 W.
57.94
S30°09'08"W
S36°
L-49.74
S85°10'01"
47.25
20,130
N26°50'1
16
L-40.84
N37°09'22
39.46
S78°50'5
YORKSHIRE
45.0
R = 45.0
N53°00'E
N76°20'04"E
135.0
56.78
L-51.24
N21°28'24"E
52.52
74
130.0
104.5
22,063.69 SQ. FT.
S 52°00'39"W 175.16
75
21,550.00± SQ
N 17°
155.11
100.0
S 35°54'12" E
83.0
47.0
73
130.0
22,601.93 SQ. FT.
N51°59'20" E 172.68
71
22,980.0± SQ.
L-117.91
117.48
S45°47'22" E
119.70
N23°50'44"E
72
140.76
24,320 ±SQ. FT
L-143.08
142.31
50.94
N42°40'19"E
R=397.0
R447.0
N 53°E
CANTERBURY
S 37°00' E
105.0
105.0
105.0
130.76

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: _____
COUNTY: Ic

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM

OWNER: Locke Homes APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 11/7/03
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: lot 23 Davidson Downs PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LAND-SCAPE POSITION/ SLOPE % | HORI-ZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LSS 8-10% | 0-5 | BSCL GR | fr: SSSP | | | | | PS .3 +0 36" |
| | | 5-36 | RC SAN | fi: SP/SSP | | | | | |
| | | 36+ | Rock | | | | | | |
| 2 | | 0-3 | BSCL GR | fr: SSSP | | | | | PS .35 |
| | | 3-26 | RCL W WSNK | fr: SSP | | | | | |
| | | 26-36 | SL SAP M | fr: VSNP NSP | | | | | |
| 3 | | 0-3 | BSCL GR | fr: SSSP | | | | | PS .4 @ 16"+ |
| | | 3-14 | RL SAN | fr/fi: SP | | | | | |
| | | 16-60 | SLSAP M | VFI: NS NP NSP | | | | | |
| 4 | | 0-4 | BSCL GR | fr SSSP | | | | | PS .3 |
| | | 4-60 | RC SNK | fi: SP/SSP | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 540 | 540 |
| System Type(s) | Pump | Pump |
| Site LTAR | .3 | .3 |

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Freeman
OTHER(S) PRESENT: _____

COMMENTS: _____

# LEGEND

***use the following standard abbreviations***

| LANDSCAPE POSITION | GROUP | SOIL TEXTURE | CONVENTIONAL .1955 LTAR* | LPP .1957 LTAR* | MINERALOGY/ CONSISTENCE | STRUCTURE |
|---|---|---|---|---|---|---|
| CC (Concave Slope) | I | S (Sand) | 1.2 - 0.8 | 0.6 - 0.4 | NEXP (Non-expansive) | G (Single Grain) |
| CV (Convex Slope) | | LS (Loamy Sand) | | | SEXP (Slightly Expansive) | M (Massive) |
| D (Drainage Way) | | | | | EXP (Expansive) | CR (Crumb) |
| DS (Debris Slump) | II | SL (Sandy Loam) | 0.8 - 0.6 | 0.4 - 0.3 | | GR (Granular) |
| FP (Flood Plain) | | L (Loam) | | | | SBK (Subangular Blocky) |
| FS (Foot Slope) | | | | | | ABK (Angular Blocky) |
| H (Head Slope) | III | SCL (Sandy Clay Loam) | 0.6 - 0.3 | 0.3 - 0.15 | | PL (Platy) |
| L (Linear Slope) | | SiL (Silt Loam) | | | | PR (Prismatic) |
| N (Nose Slope) | | CL (Clay Loam) | | | | |
| R (Ridge) | | SiCL (Silty Clay Loam) | | | **MOIST** | **WET** |
| S (Shoulder Slope) | | Si (Silt) | | | | |
| T (Terrace) | | | | | VFR (Very Friable) | NS (Non-sticky) |
| | IV | SC (Sandy Clay) | 0.4 - 0.1 | 0.2 - 0.05 | FR (Friable) | SS (Slightly Sticky) |
| | | SiC (Silty Clay) | | | FI (Firm) | S (Sticky) |
| | | C (Clay) | | | VFI (Very Firm v. Very Sticky) | VS (Very Sticky) |
| | | O (Organic) | None | | EFI (Extremely Firm) | NP (Non-plastic) |
| | | | | | | SP (Slightly Plastic) |
| | | | | | | P (Plastic) |
| | | | | | | VP (Very Plastic) |

***Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.**

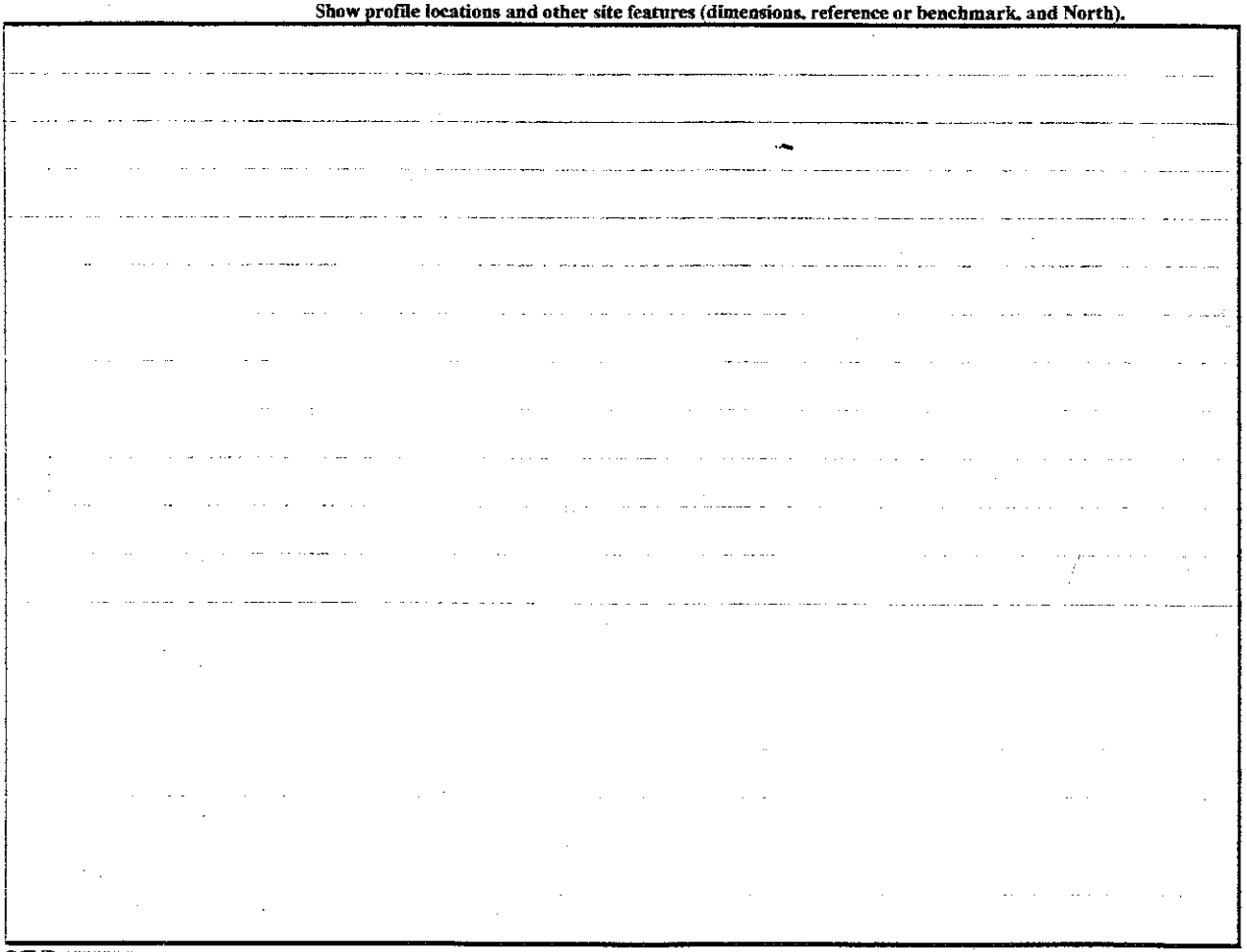
***NOTES***

| | |
|---|---|
| *HORIZON DEPTH* | In inches below natural soil surface |
| *DEPTH OF FILL* | In inches from land surface |
| *RESTRICTIVE HORIZON* | Thickness and depth from land surface |
| *SAPROLITE* | S(suitable) or U(unsuitable) |
| *SOIL WETNESS* | Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation |
| *CLASSIFICATION* | S (Suitable), PS (Provisionally Suitable), or U (Unsuitable) |

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft$^2$

**Show profile locations and other site features (dimensions, reference or benchmark, and North).**



DENR (######)

Review (#####)