

PROPERTY I.D.#: _____
DATE: 10/12/94
CITY: Houston

SOIL/SITE EVALUATION FOR ON-SITE WASTEWATER SYSTEM

OWNER: Jocely Barbours APPLICANT: _____
APPLICATION DATE: _____ DATE EVALUATED: 10/12/94
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____

WATER SUPPLY: Private Public Well Spring Other EVAL. METHOD: Auger Boring Pit Cut

| PROFILE # | .1940 LANDSCP POS./ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY .1941 | | | | | OTHER PROFILE FACTORS |
|-----------|-----------------------------|---------------------|-----------------------|------------------|-------------------------------|-------------------|-------------------|---|
| | | | (a)(1) TEXTURE | (a)(2) STRUCTURE | (a)(3) MINERALOGY CONSISTENCE | SOIL MATRIX COLOR | SOIL MOTTLE COLOR | |
| 1 | L/3 | 0-42 | LS | SG | | | | .1942 WETNESS CONDITION |
| | | 42-48 | SCL | SbK | | | | .1943 SOIL DEPTH/ .1956 SAPROLITE |
| | | | | | | | | .1944 RESTRICTIVE HORIZON |
| | | | | | | | | .1947 PROFILE CLASSIF. S PROFILE LTAR 4 |
| 2 | L/3 | 0-13 | LS | SG | | | | .1942 WETNESS CONDITION |
| | | 13-30 | LS | SG | | | | .1943 SOIL DEPTH/ .1956 SAPROLITE |
| | | 30-42 | LS | SG | | | | .1944 RESTRICTIVE HORIZON |
| | | 42-48 | SC | SbK | | | | .1947 PROFILE CLASSIF. PS PROFILE LTAR 3 |
| 3 | L/3 | 0-13 | LS | SC | | | | .1942 WETNESS CONDITION |
| | | 13-36 | LS | SC | | | | .1943 SOIL DEPTH/ .1956 SAPROLITE |
| | | 36-48 | SC | SbK | | | | .1944 RESTRICTIVE HORIZON |
| | | | | | | | | .1947 PROFILE CLASSIF. PS PROFILE LTAR 3 |
| 4 | L/3 | 0-13 | LS | SC | | | | .1942 WETNESS CONDITION |
| | | 13-30 | LS | SC | | | | .1943 SOIL DEPTH/ .1956 SAPROLITE |
| | | 30-36 | LS | SC | | | | .1944 RESTRICTIVE HORIZON |
| | | 36-48 | SC | SbK | | | | .1947 PROFILE CLASSIF. PS PROFILE LTAR 3 |

AVAILABLE SPACE (.1945) _____ OTHER FACTORS (.1946) _____ SITE CLASSIFICATION _____
SYSTEM TYPE(S) _____ SITE LONG-TERM ACCEPTANCE RATE(S) _____
EVALUATED BY: _____ OTHER(S) PRESENT: _____
COMMENTS: _____

LANDSCAPE POSITION

GROUP

TEXTURE

LTAR

| | | | |
|--------------------|-----|-----------------------|-----------|
| CC - CONCAVE SLOPE | I | S - SAND | 1.2 - 0.8 |
| CV - CONVEX SLOPE | | LS - LOAMY SAND | |
| D - DRAINAGE WAY | | | |
| DE - DEBRIS SLUMP | II | SL - SANDY LOAM | 0.8 - 0.6 |
| FP - FLOOD PLAIN | | L - LOAM | |
| FS - FOOT SLOPE | | | |
| H - HEAD SLOPE | III | SI - SILT | 0.6 - 0.3 |
| L - LEGAL SLOPE | | SCL - SILTY CLAY LOAM | |
| N - NOSE SLOPE | | CL - CLAY LOAM | |
| R - RIDGE | | SCL - SANDY CLAY LOAM | |
| S - SHOULDER SLOPE | | SLC - SILT LOAM CLAY | |
| T - TERRACE | IV | SC - SANDY CLAY | 0.4 - 0.1 |
| | | SEC - SILTY CLAY | |
| | | O - ORGANIC | NONE |

MOIST (STAR)

MINERALOGY/CONSISTENCE

HEXP - NON-EXPANSIVE
 SEXT - SLIGHTLY EXPANSIVE
 EXP - EXPANSIVE

MOIST

VPE - VERY FRABLE
 PE - FRABLE
 FI - FIRM
 VFI - VERY FIRM
 EPI - EXTREMELY FIRM

WET

NS - NON-STICKY
 SS - SLIGHTLY STICKY
 S - STICKY
 VS - VERY STICKY
 NFP - NON-PLASTIC
 SP - SLIGHTLY PLASTIC
 P - PLASTIC
 VPP - VERY PLASTIC

STRUCTURE

S - SINGLE GRAIN
 M - MASSIVE
 CR - CRUMB
 GR - GRANULAR
 SBK - SUBANGULAR BLOCKY
 ABK - ANGULAR BLOCKY
 PL - PLATY
 PR - PRISMATIC

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)

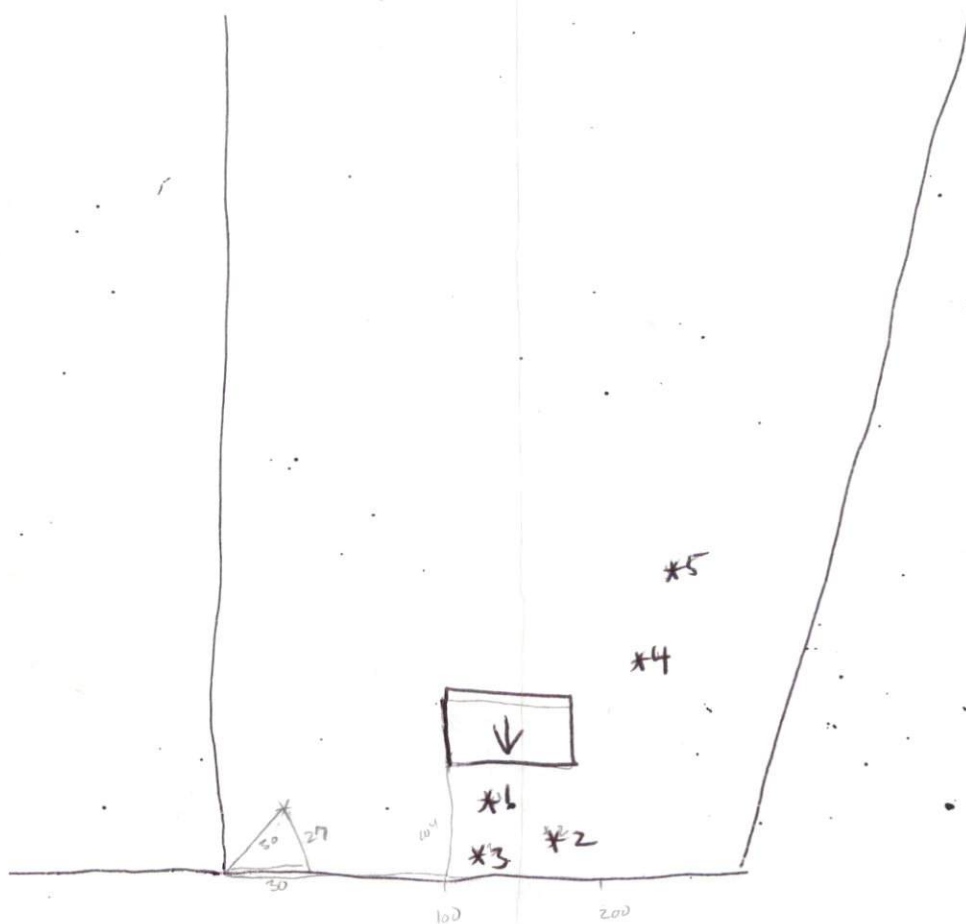
SOIL WETNESS - INCHES FROM LAND SURFACE TO FREE WATER OR INCHES FROM LAND SURFACE TO SOIL COLORS WITH CHROMA 2 OR

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: GAL/DAY/FT²



**SOIL/SITE EVALUATION
FOR**

ON-SITE WASTEWATER SYSTEM

OWNER: Barbour, Joey D. APPLICANT: Joey D. Barbour
APPLICATION DATE: 9/8/94 DATE EVALUATED: 10/12/94
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____

WATER SUPPLY: Private _____ Public _____ Well _____ Spring _____ Other _____ EVAL. METHOD: Auger Boring _____ Pit _____ Cut _____

| PROFILE # | .1940 LANDSCP POS./ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY .1941 | | | | | OTHER PROFILE FACTORS |
|-----------|-----------------------------|---------------------|-----------------------|------------------|-------------------------------|-------------------|-----------------------|--------------------------------------|
| | | | (a)(1) TEXTURE | (a)(2) STRUCTURE | (a)(3) MINERALOGY CONSISTENCE | SOIL MATRIX COLOR | SOIL MOTTLE COLOR | |
| 5 A | L 3% | 0-13 | SL | SG | MEXP | | | .1942 WETNESS CONDITION |
| | | 13-30 | SL | SG | NEXP | | | .1943 SOIL DEPTH/ .1956 SAPROLITE |
| | | 30-36 | SL | SG | NEXP | | | .1944 RESTRICTIVE HORIZON |
| | | 36-48 | SC | SBK | SEXP | | | .1947 PROFILE CLASSIF. <u>PS</u> |
| | | | | | | | PROFILE LTAR <u>3</u> | |
| 2 | | | | | | | | .1942 WETNESS CONDITION |
| | | | | | | | | .1943 SOIL DEPTH/ .1956 SAPROLITE |
| | | | | | | | | .1944 RESTRICTIVE HORIZON |
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| | | | | | | | | PROFILE LTAR |
| 3 | | | | | | | | .1942 WETNESS CONDITION |
| | | | | | | | | .1943 SOIL DEPTH/ .1956 SAPROLITE |
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| 4 | | | | | | | | .1942 WETNESS CONDITION |
| | | | | | | | | .1943 SOIL DEPTH/ .1956 SAPROLITE |
| | | | | | | | | .1944 RESTRICTIVE HORIZON |
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| | | | | | | | | PROFILE LTAR |

AVAILABLE SPACE (.1945) _____ OTHER FACTORS (.1946) _____ SITE CLASSIFICATION _____
SYSTEM TYPE(S) _____ SITE LONG-TERM ACCEPTANCE RATE(S) _____
EVALUATED BY: _____ OTHER(S) PRESENT: _____
COMMENTS: _____

| LANDSCAPE POSITION | GROUP | TEXTURE | LTAR | MST (STAR) | | STRUCTURE |
|--------------------|-------|-----------------------|-----------|---|-----|--|
| | | | | MINERALOGY/CONSISTENCE | | |
| CC - CONCAVE SLOPE | I | S - SAND | 0.2 - 0.8 | MSTP - NON-EXPANSIVE MSTY - SLIGHTLY EXPANSIVE MSTX - EXPANSIVE | MST | S - SINGLE GRAIN M - MASSIVE CB - CLUMPS GR - GRANULAR SBK - SUBANGULAR BLOCKY ABK - ANGULAR BLOCKY PL - PLATY PB - PRISMATIC |
| CV - CONVEX SLOPE | | LS - LOAMY SAND | | | | |
| D - DRAINAGE WAY | | SL - SANDY LOAM | | | | |
| DS - DEBRIS SLUMP | | L - LOAM | | | | |
| FP - FLOOD PLAIN | II | S - SAND | 0.8 - 0.6 | MSTP - NON-EXPANSIVE MSTY - SLIGHTLY EXPANSIVE MSTX - EXPANSIVE | MST | S - SINGLE GRAIN M - MASSIVE CB - CLUMPS GR - GRANULAR SBK - SUBANGULAR BLOCKY ABK - ANGULAR BLOCKY PL - PLATY PB - PRISMATIC |
| FS - FOOT SLOPE | | SL - SANDY LOAM | | | | |
| H - HEAD SLOPE | | L - LOAM | | | | |
| L - LINGULAR SLOPE | | S - SAND | | | | |
| M - MOSE SLOPE | III | SCL - SILTY CLAY LOAM | 0.6 - 0.3 | MSTP - NON-EXPANSIVE MSTY - SLIGHTLY EXPANSIVE MSTX - EXPANSIVE | MST | S - SINGLE GRAIN M - MASSIVE CB - CLUMPS GR - GRANULAR SBK - SUBANGULAR BLOCKY ABK - ANGULAR BLOCKY PL - PLATY PB - PRISMATIC |
| N - NICE SLOPE | | CL - CLAY LOAM | | | | |
| R - RIDGE | | SCL - SANDY CLAY LOAM | | | | |
| S - SHOULDER SLOPE | | SLC - SILTY LOAM CLAY | | | | |
| T - TERRACE | IV | SC - SANDY CLAY | 0.4 - 0.1 | MSTP - NON-EXPANSIVE MSTY - SLIGHTLY EXPANSIVE MSTX - EXPANSIVE | MST | S - SINGLE GRAIN M - MASSIVE CB - CLUMPS GR - GRANULAR SBK - SUBANGULAR BLOCKY ABK - ANGULAR BLOCKY PL - PLATY PB - PRISMATIC |
| | | SC - SILTY CLAY | | | | |
| | | S - SAND | | | | |
| | | ○ - ORGANIC | | | | |

NOTES:

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