

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

Owner:

Applicant:

Address:

Date Evaluated: **2-22-07**

Proposed Facility: **SFD** Design Flow (.1949): **360**

Property Size:

Location of Site:

Property Recorded:

Water Supply: Public Individual Well

Spring Other

Evaluation Method: Auger Boring Pit

Cut

Type of Wastewater: Sewage Industrial Process

Mixed

| P R O F I L E # | 1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 | | OTHER PROFILE FACTORS | | | | Profile Class & LTAR |
|--------------------------------------|--|---------------------------|--------------------------------|------------------------------------|------------------------------------|------------------------------|-------------------------|--------------------------|----------------------------|
| | | | .1941 Structure/ Texture | .1941 Consistence Mineralogy | .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapra Class | .1944 Restr. Horiz | |
| 1 | L 2% 20 | 0-8 | SL | FR GRANSP | | | | | .3 |
| | | 8-40 | SC-CLAY | FR STONS.P. | 38" 7-54d 7.2 | | | | |
| 2 | L 4% 40 | 0-24 | SL | | | | | | .4 |
| | | 24-48 | SCL | | | | | | |
| 3 | L 4% 40 | 0-30 | SL | FR GRANSP | | | | | .2 |
| | | 30-44 | SCL | FR STONS.P. | 44. 7.54d 4.2 | | | | |
| 4 | L 2% 20 | 0-10 | SL | | | | | | |
| | | 10-26 | SC-CLAY | | | | | | |

| Description | Initial System | Repair System |
|-------------------------|----------------|---------------|
| Available Space (.1945) | | |
| System Type(s) | 25% 25% | 25% 25% |
| Site LTAR | .3 | .3 |

Other Factors (.1946): _____

Site Classification (.1948): _____

Evaluated By: 

Others Present:

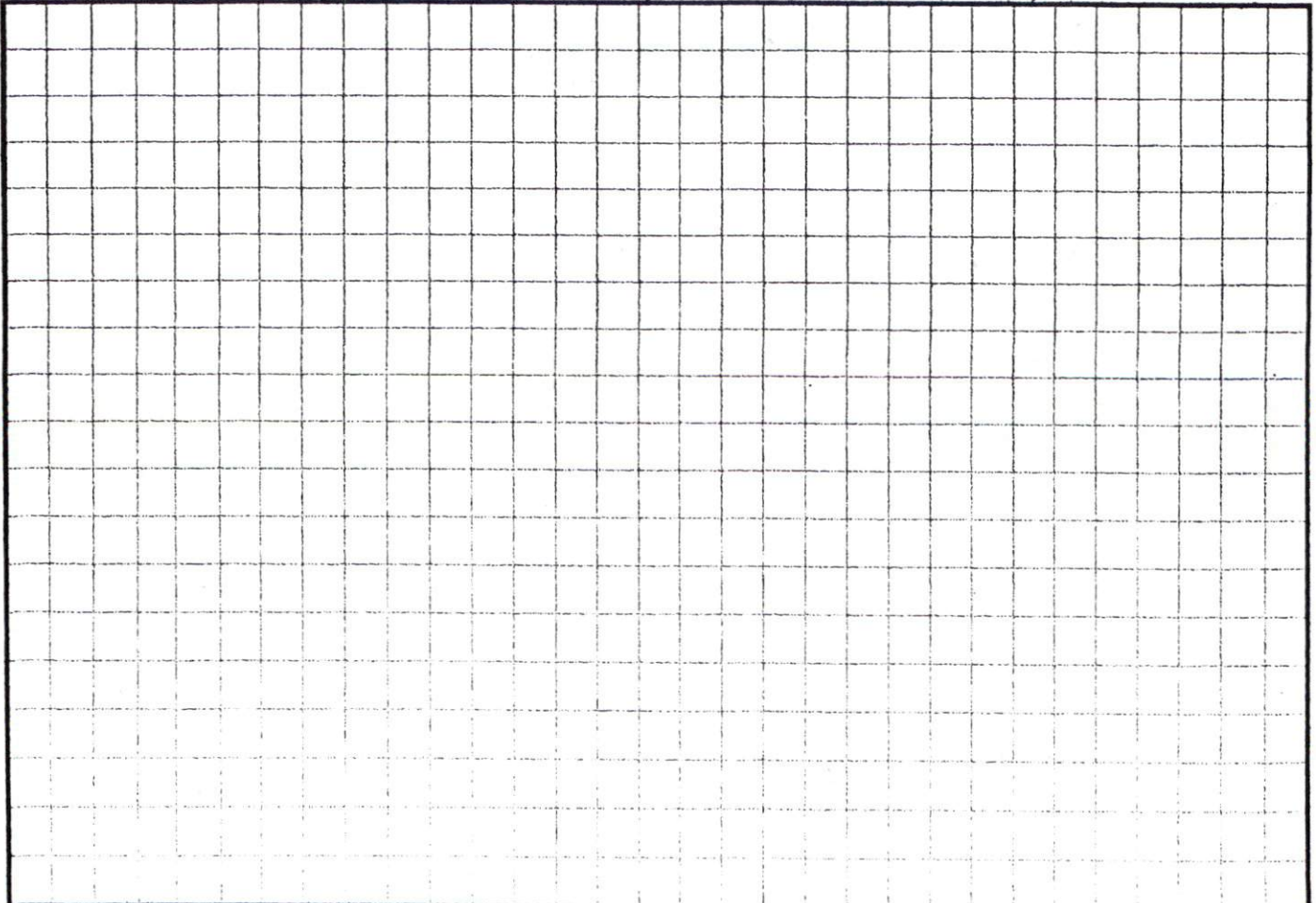
COMMENTS: _____

| <u>LANDSCAPE POSITIONS</u> | <u>GROUP</u> | <u>TEXTURES</u> | <u>.1955 LTAR</u> | <u>CONSISTENCE MOIST</u> | <u>WET</u> |
|----------------------------|--------------|----------------------|-------------------|--------------------------------|--|
| R-RIDGE | I | S-SAND | 1.2 - 0.8 | VFR-VERY FRIABLE FR-FRIABLE | NS-NON-STICKY SS-SLIGHTLY STICKY |
| S-SHOULDER SLOPE | | LS-LOAMY SAND | | | |
| L-LINEAR SLOPE | II | SL-SANDY LOAM | 0.8 - 0.6 | FI-FIRM VFI-VERY FIRM | S-STICKY VS-VERY STICKY |
| FS-FOOT SLOPE | | L-LOAM | | | |
| N-NOSE SLOPE | III | SI-SILT- | 0.6 - 0.3 | EFI-EXTREMELY FIRM | NP-NON-PLASTIC SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC |
| H-HEAD SLOPE | | SIL-SILT LOAM | | | |
| CC-CONCLAVE SLOPE | | CL-CLAY LOAM | | | |
| CV-CONVEX SLOPE | | SCL-SANDY CLAY LOAM | | | |
| T-TERRACE | | SICL-SILTY CLAY LOAM | | | |
| FP-FLOOD PLAN | IV | SIC-SILTY CLAY | 0.4 - 0.1 | | |
| | | C-CLAY | | | |
| | | SC-SANDY CLAY | | | |

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

MINERALOGY
 SLIGHTLY EXPANSIVE
 EXPANSIVE

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



SITE PLAN... PROVAL
 DISTRICT RAYO USE SFD
 #BEDROOMS 3
2/19/07
 Zoning Administrator

urnett County
 imum Building
 ck Requirements
 -20M, RA-30 & RA-40

NT: 35' from R/W
 R: 25'
 E: 10'
 NER LOT SIDE: 20'

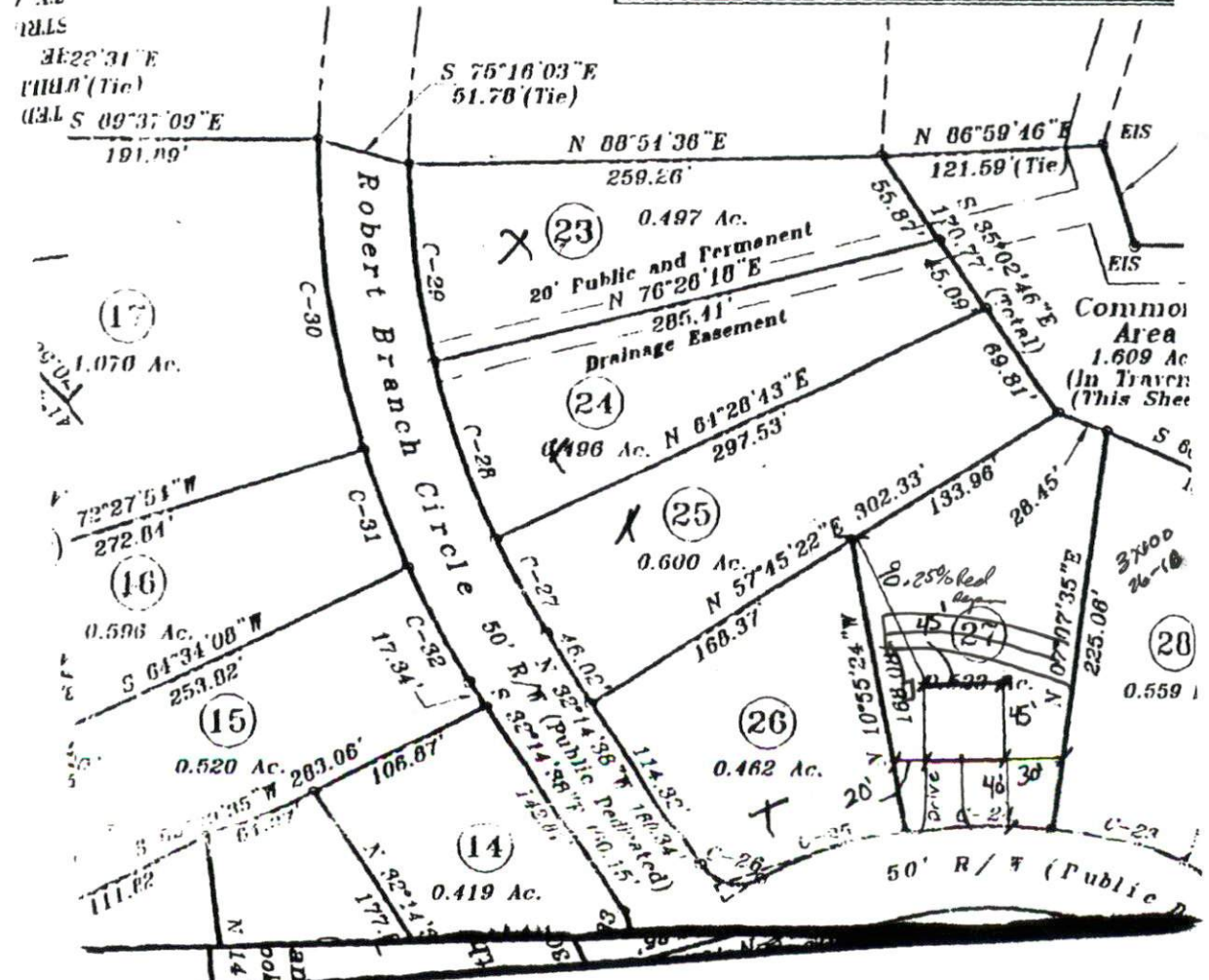
-75

See Sheet
 Two of Three
 or match line



NC Grid North (NAD 27)
 Plat Cabinet "C", Slide 139-A

| Curve | Radius | Length | Delta | Chm |
|-------|---------|---------|------------|-------|
| C-1 | 25.00' | 38.22' | 87°35'48" | 34.8 |
| C-2 | 155.00' | 68.89' | 25°23'24" | 68.1 |
| C-3 | 155.00' | 68.82' | 25°21'53" | 68.8 |
| C-4 | 25.00' | 60.30' | 138°11'23" | 46.7 |
| C-5 | 50.00' | 69.90' | 80°06'14" | 64.3 |
| C-6 | 50.00' | 40.00' | 45°50'12" | 38.8 |
| C-7 | 50.00' | 57.98' | 66°24'48" | 54.7 |
| C-8 | 50.00' | 73.33' | 84°01'32" | 68.3 |
| C-9 | 25.00' | 60.30' | 138°11'23" | 46.7 |
| C-10 | 255.00' | 46.04' | 10°20'41" | 45.8 |
| C-11 | 255.00' | 60.33' | 16°02'59" | 60.8 |
| C-12 | 255.00' | 72.58' | 16°18'31" | 72.3 |
| C-13 | 205.00' | 322.01' | 90°00'00" | 289.1 |
| C-14 | 25.00' | 21.03' | 48°11'23" | 20.4 |
| C-15 | 50.00' | 46.38' | 53°08'41" | 44.3 |
| C-16 | 50.00' | 47.92' | 64°54'57" | 46.1 |
| C-17 | 50.00' | 46.20' | 66°14'13" | 46.3 |
| C-18 | 50.00' | 40.00' | 45°50'12" | 38.8 |
| C-19 | 50.00' | 58.88' | 67°14'43" | 55.3 |



1" = 100'