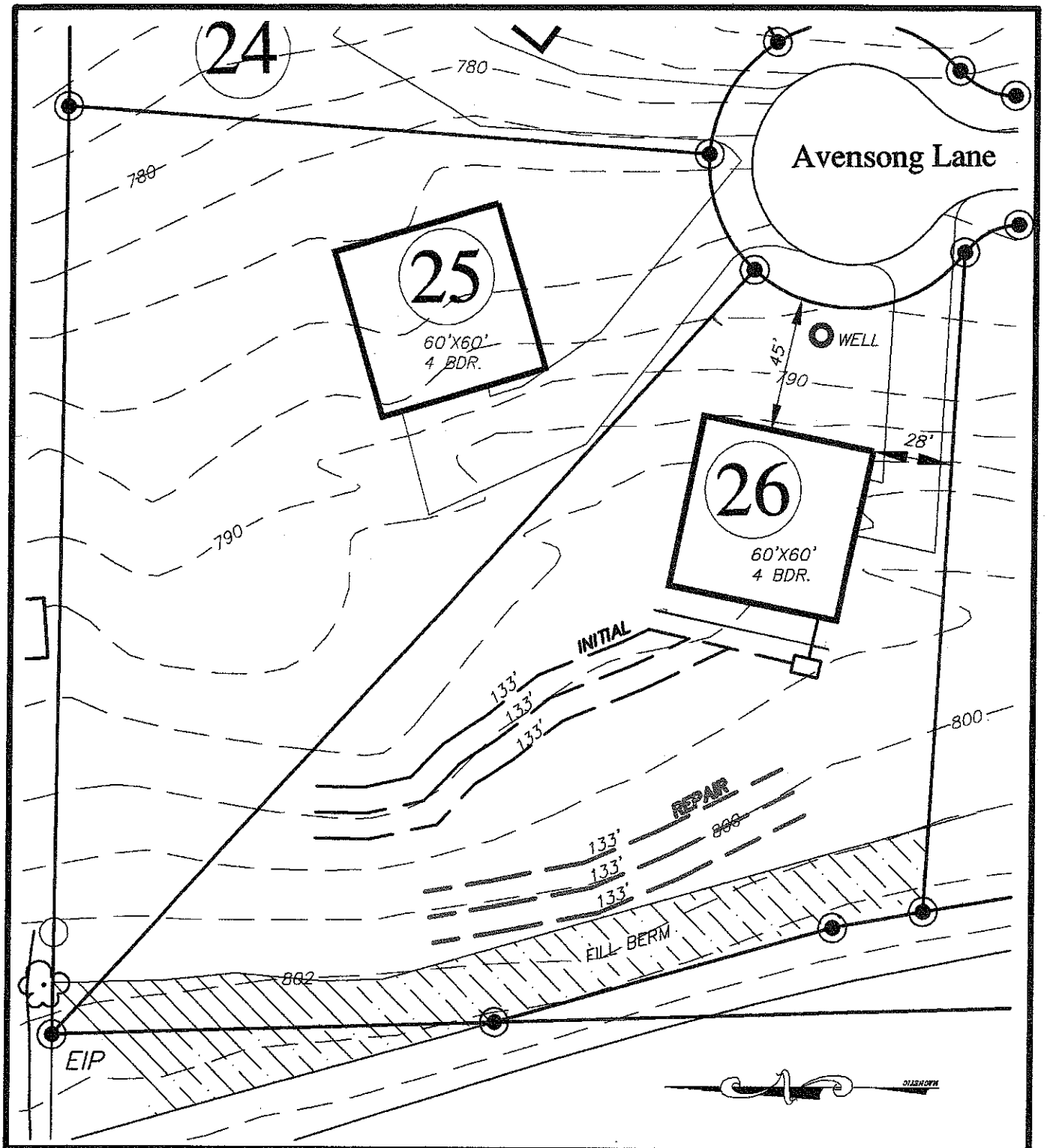



# *Hollybrook*

FOR

DAVID R. MCKAY, LLC. & BETTY MCKAY, LLC.

***505 TEETER ROAD***
***Mooresville, NC 28115***
***(704) 664-9080***

IREDELL COUNTY; CODDLE CREEK NORTH CAROLINA

SEPTIC FIELD LAYOUT
LOT # 26

BAR SCALE 1"=50'

0 25 50 100

# Hollybrook Subdivision Septic Specifications
# Iredell County , NC

Lot #26 Type of Water Supply Well Number of Bedrooms 4

Designed Gallons per Day Flow 480 LTAR 0.3+ Absorption Area 1600 sq/ft.

Total Linear Feet of drain line required. 533 ft.

**Type of Initial System** 3g Gravity ✓ Pump ____ Type of Distribution System Equal Number of Trenches 3 Trench Width and Length 3'x133' If Variable Length Lines List Separately — Minimum Trench Spacing 9' o/c Trench Depth 36" in. Septic Tank Size 1000 gal. Pump Tank Size — gal.

**Type of Repair System** 3g b Gravity ✓ Pump ✓ Type of Distribution System Equal pm Number of Trenches 3 Trench Width and Length 3'x133' If Variable Length List Separably — Minimum Trench Spacing 9' o/c Trench Depth 36" in. Septic Tank Size 1000 gal. Pump Tank Size 1000 gal.

# Hollybrook Subdivision Septic Specifications
# Iredell County , NC

Lot #26 Type of Water Supply Well Number of Bedrooms 4 GPD Flow 480

**Type of Initial System** 3g Gravity ✓ Pump ____ LTAR 0,3

Total Linear feet of drain line 400 ' Type of Distribution System Serial

____ Number of Trenches 3 Trench Width and Length 3'X133' If

Variable Length Lines List Separately — Minimum Trench Spacing 9' o/c

Trench Depth 30" in. Septic Tank Size 1000 gal. Pump Tank Size ____ gal.

**Type of Repair System** 3g Gravity ✓ Pump ✓ LTAR 0,3

Total Linear Feet of drain line 400 ' Type of Distribution System PM

Number of Trenches 3 Trench Width and Length 3'X133'

If Variable Length List Separately —

Minimum Trench Spacing 9' o/c

Trench Depth 30" in. Septic Tank Size 1000 gal. Pump Tank Size 1000 gal.

# Hollybrook Subdivision Septic Specifications
# Iredell County , NC

Lot #26 Type of Water Supply Well Number of Bedrooms 4 GPD Flow 480

**Type of Initial System** 3g-25% Gravity ✓ Pump ____ LTAR 0.3

Total Linear feet of drain line 400' Type of Distribution System Serial

____ Number of Trenches 3 Trench Width and Length 3'x~~100~~' 133' If

Variable Length Lines List Separately ——— Minimum Trench Spacing 9' o/c

Trench Depth 24 in. Septic Tank Size 1000 gal. Pump Tank Size ____ gal.

**Type of Repair System** 3gb 25% Gravity ____ Pump ✓ LTAR 0.3

Total Linear Feet of drain line 400' Type of Distribution System PM

Number of Trenches 3 Trench Width and Length 3'x~~100~~' 133'

If Variable Length List Separately ____

Minimum Trench Spacing 9' o/c

Trench Depth 24 in. Septic Tank Size 1000 gal. Pump Tank Size 1000 gal.

* Stub out plumbing no more than 4" below original grade.

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 12
PROPERTY ID #:
COUNTY:

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

OWNER:
ADDRESS:
APPLICATION DATE
PROPOSED FACILITY: PROPOSED DESIGN FLOW (.1949): DATE EVALUATED:
LOCATION OF SITE: PROPERTY SIZE:
WATER SUPPLY: Private Public Well Spring Other PROPERTY RECORDED:
EVALUATION METHOD: Auger Boring Pit Cut TYPE OF WASTEWATER: Sewage Industrial Process Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON 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 | HS (23) | B 1-25 | SBK cl/scl | SSSP FR/S P | 2.5Y | +72" | N/A | N/A | 35" IE ~~0.4~~ .35 SM stone |
| | | B 25-42+ | " cl/scl | " " " SP | | | | | |
| 2 | HS (23) | AP 1-12 | SBK scl | SSSP FR/S SP | | 45"+ | | N/A | IE 0.5 ltar |
| | | B 12-42+ | " cl/cl | " " " P | | | | | |
| 3 | CV 6-12 2/3 SM-GR | Ap 0-2 | SBK scl | SSSP FR/S SP | 2.5-3 | 41" | N/A | 40"+ to CR | — 0.3 ltar |
| | | B 2-21 | " cl | " " " P | | | | | |
| | | BC 21-25 | " cl/scl | " " " | | | | | |
| | | C 25-42+ | " cl/scl | " " " SP | | | | | |
| 4 | L 6-10 4/3 SM-GR | Ap 0-2 | SBK scl | SSSP FR/S SP | 10YR 5/2 | 45"+ | N/A | 45" to CR | IE 0.3 ltar |
| | | B 2-24 | " C | " " " P | | | | | |
| | | BC 24-45 | " scl/C | " " " P | | | | | |
| | | C 45-42+ | " SC | " " " SP | | | | | |

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

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

COMMENTS: * Mn: Layer from 12-25" through (24) ** Mn: Layer from 2-24" through (24)

# SOIL/SITE EVALUATION

*(Continuation Sheet)*

Sheet 2 of 2 4

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZ ON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 5 | As 1 | Bt 0-40 | SBK CL | SEXP FR S P | 2.5YR 4/8 | 48"+ | N/A | N/A | III 0.35 Ltac CL texture .35 OK |
| | | BC 40-48+ | " " | " " " " | | | | | |
| 6 4 | As 0 Wtr in pit @ 1' Mottles | Bt 0-48+ | SBK C | SEXP FR S P | 2.5YR 4/2 | 48"+ | N/A | N/A | II 0.31 Ltar .3 OK Am |
| | | 0-34 | sbk c | | | | | | |
| | | 34-48 | sbk cl | | | | | | |

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____
OTHER(S) PRESENT: _____

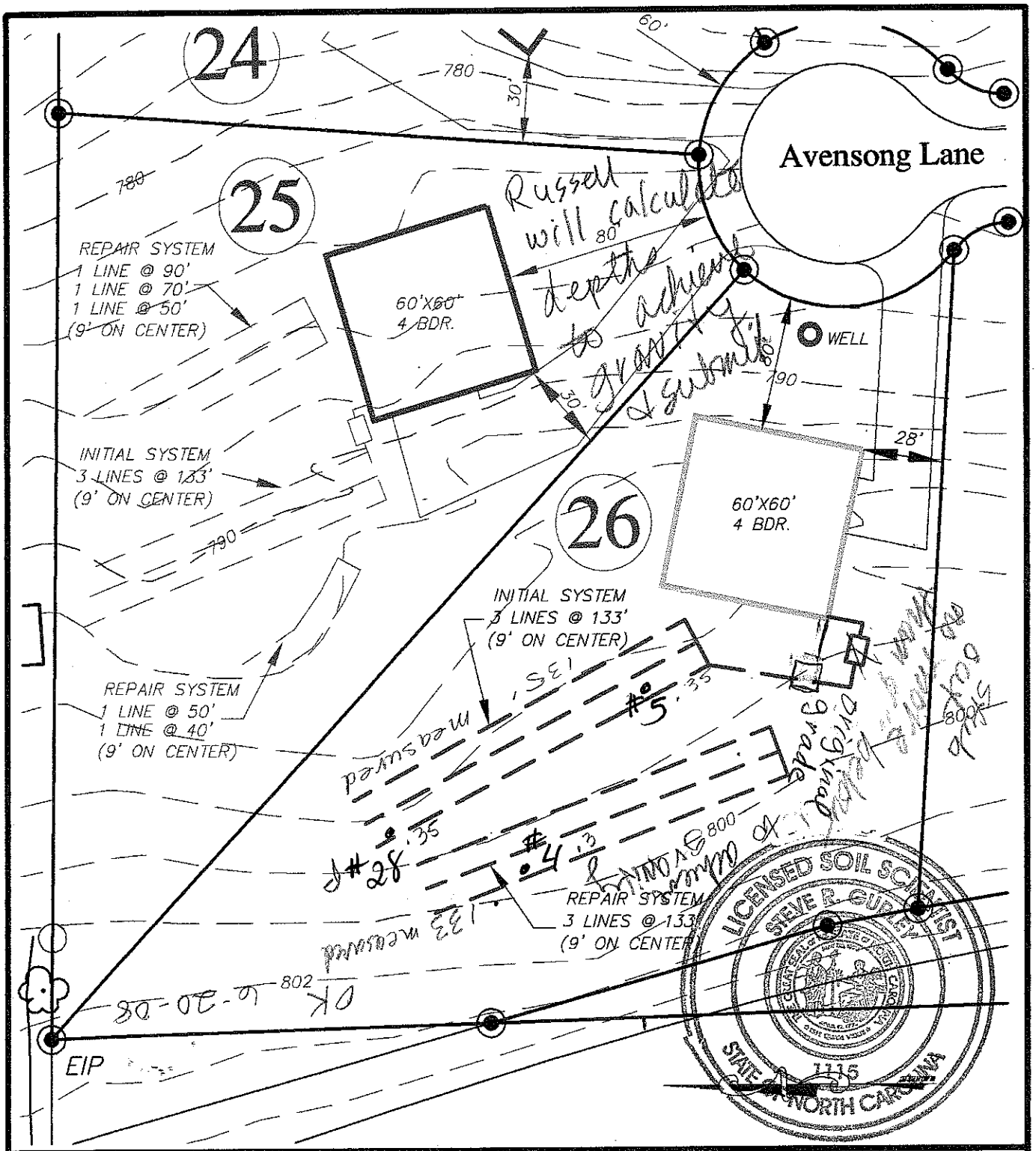
COMMENTS: * SBK grading to PL (Schistosity of Rock)
** Abundant mica throughout saprolite (flakes generally less than 1 mm in diameter)

*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 — Depth from land surface
CLASSIF — Depth from land surface
Evalr — Depth from land surface
L — Depth from land surface

| 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) | II | SL (Sandy Loam) | 0.8 - 0.6 | 0.4 - 0.3 | EXP (Expansive) | CR (Crumb) |
| DS (Debris Slump) | | L (Loam) | | | | GR (Granular) |
| FP (Flood Plain) | | | | | | SBK (Subangular Blocky) |
| FS (Foot Slope) | III | Si (Silt) | 0.6 - 0.3 | 0.3 - 0.15 | | ABK (Angular Blocky) |
| H (Head Slope) | | SiCL (Silty Clay Loam) | | | | PL (Platy) |
| L (Linear Slope) | | CL (Clay Loam) | | | | |
| N (Nose Slope) | | SCL (Sandy Clay Loam) | | | | PR (Prismatic) |
| R (Ridge) | | SiL (Silt Loam) | | | | |
| S (Shoulder Slope) | | | | | MOIST | WET |
| T (Terrace) | IV | SC (Sandy Clay) | 0.4 - 0.1 | 0.2 - 0.05 | VFR (Very Friable) | NS (Non-sticky) |
| | | SiC (Silty Clay) | | | FR (Friable) | SS (Slightly Sticky) |
| | | C (Clay) | | | FI (Firm) | S (Sticky) |
| | | O (Organic) | None | None | VFI (Very Firm v. Very Sticky) | VS (Very Sticky) |
| | | | | | 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 and quality




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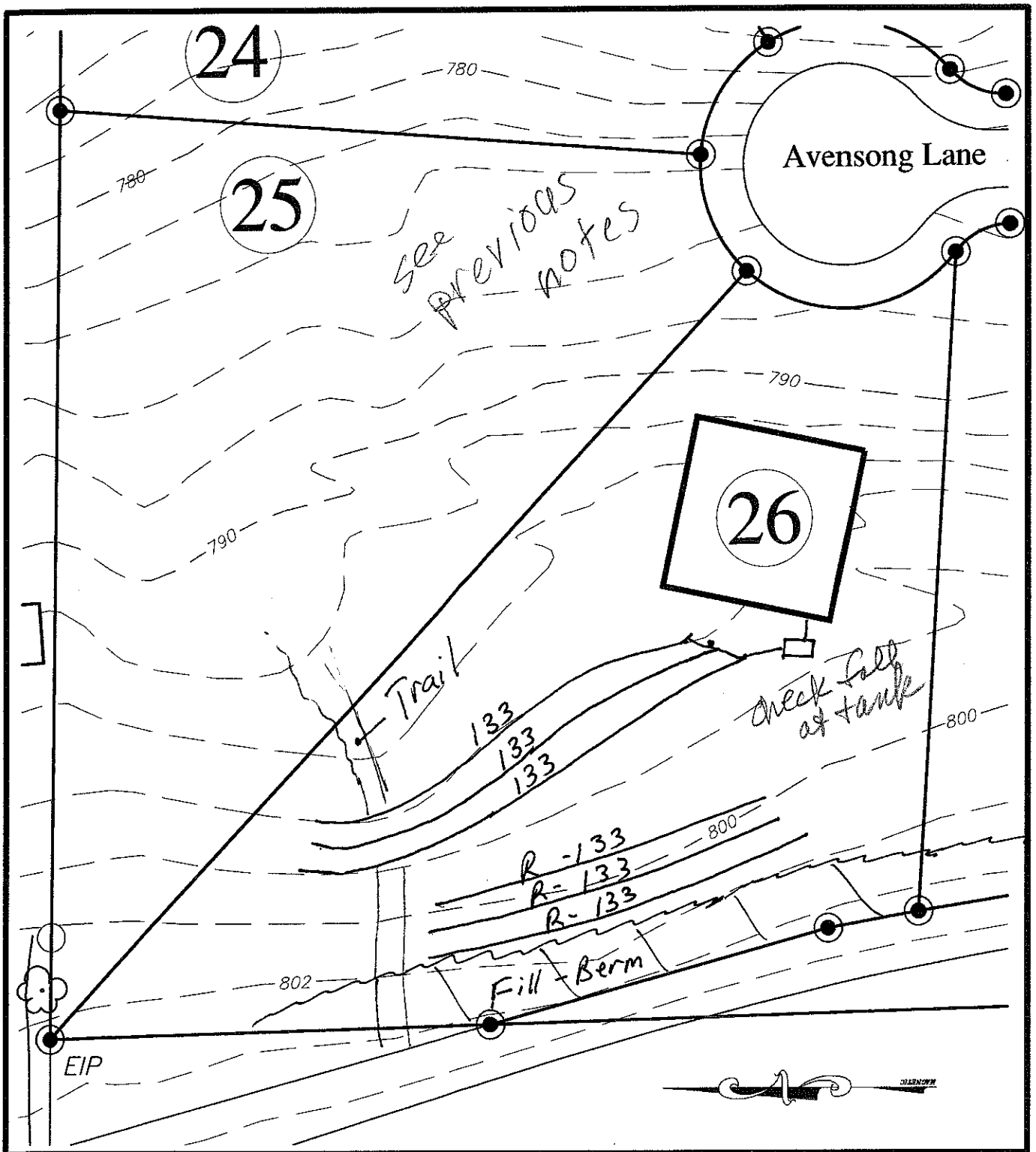
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0 25 50 100




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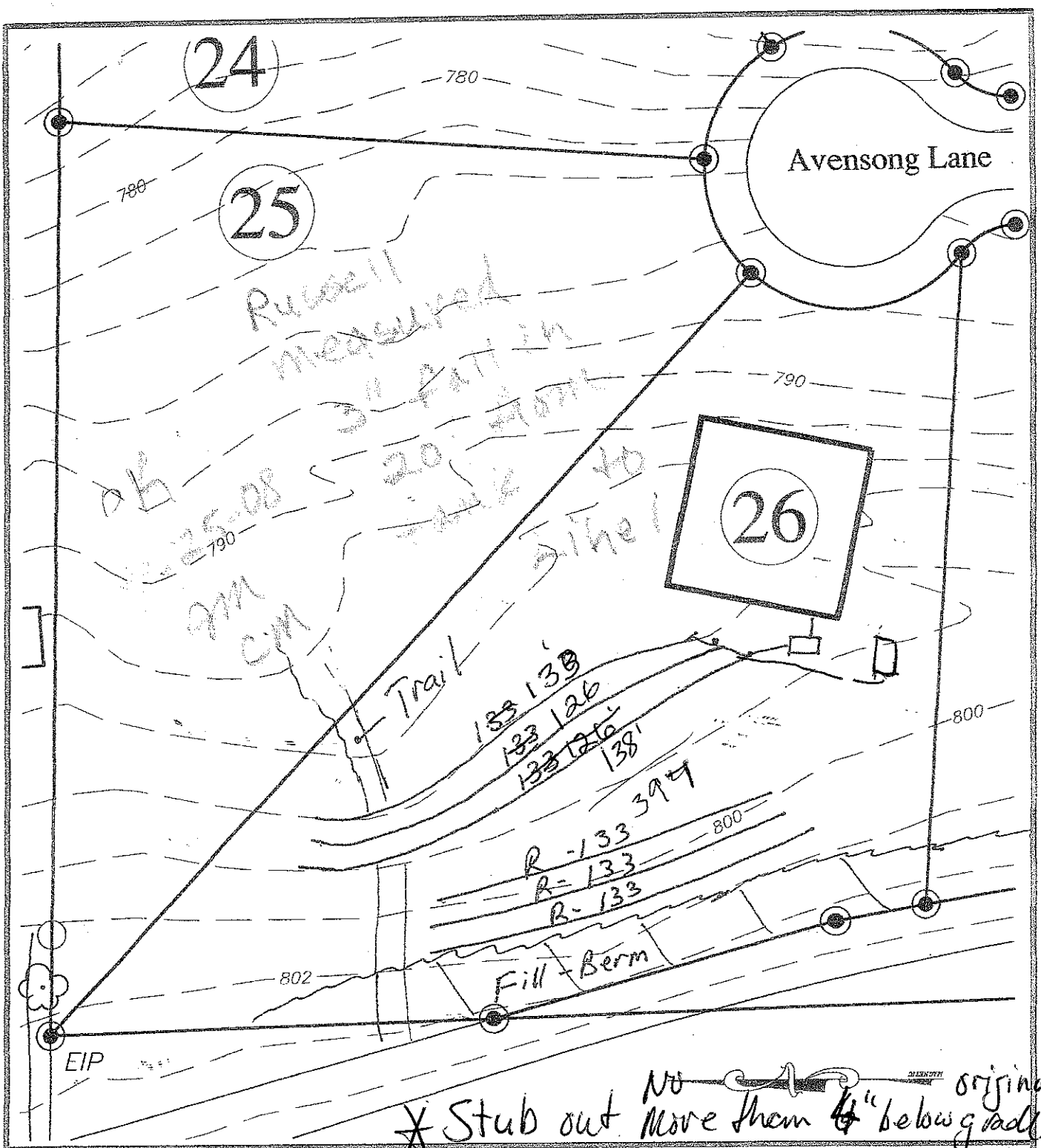

IREDELL COUNTY; CODDLE CREEK NORTH CAROLINA

SEPTIC FIELD LAYOUT
LOT # 26

BAR SCALE 1"=50'

0 25 50 100

4-BR
480 gpd - Initial - LTAR. 0.3 @25% = (3) lines of 3'x133' Serial Dist
Repair. LTAR 0.3 @25% = 3 lines of 3x133 - PM pump




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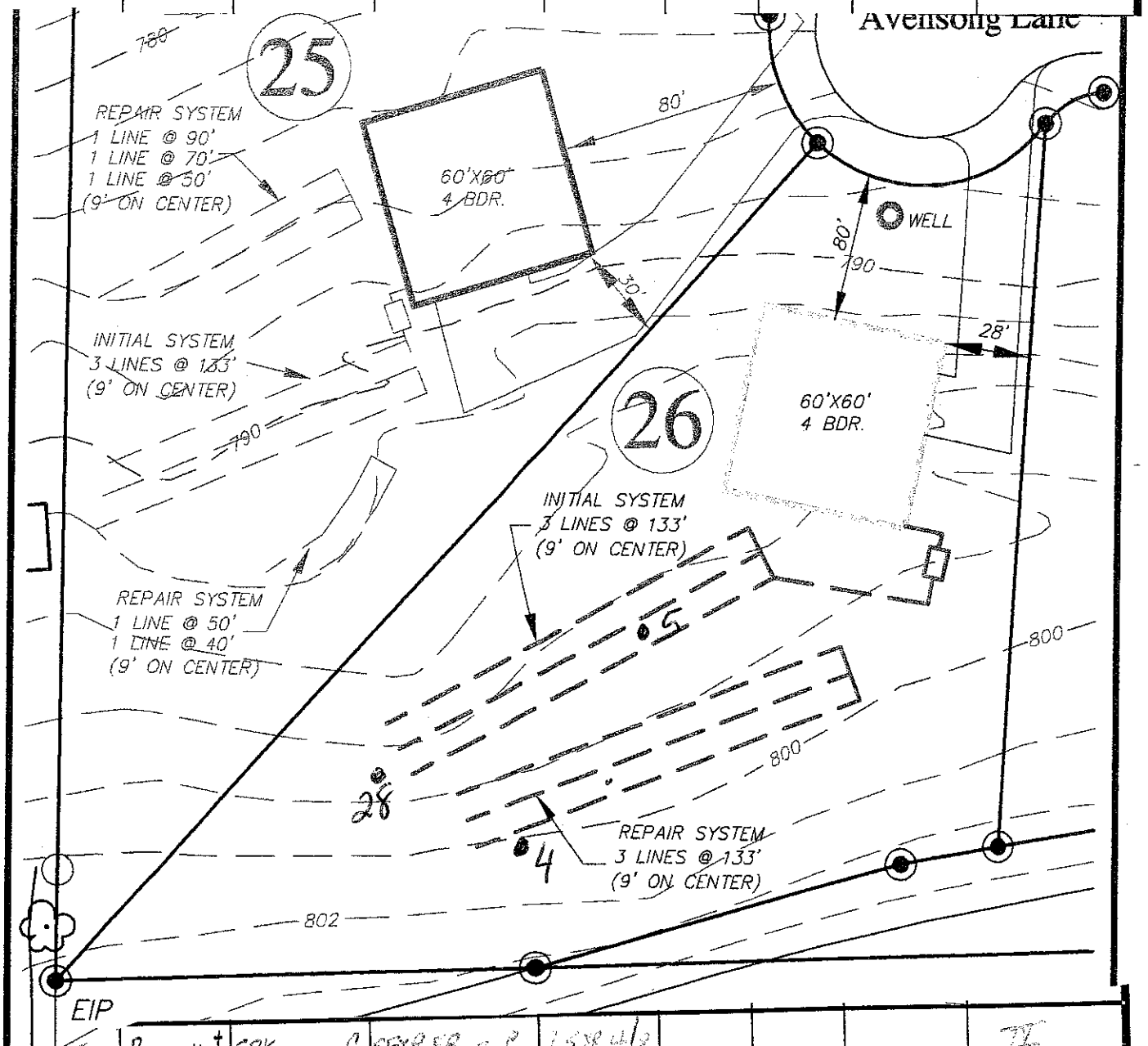
SEPTIC FIELD LAYOUT
LOT # 26

BAR SCALE 1"=50'

0 25 50 100

1-BR
480 gpd - Initial - LTAR. 0.3 @25% = (3) lines of 3'x133' Serial Dist
Repair. LTAR 0.3 @25% = 3 lines of 3x133 - PM pump

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | | Bt 0-25 | SBK C/SCL | SEXP FR S P | 2.5YR 4/2 | 48"+ | N/A | N/A | II/III | |
| 1 | As (23) | BC 25-46+ | " CL/SCL | " " " SP | | | | | 0.4/ac | |




| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | As (2) Intercept in Nontr 1/5 | Bt 0-48+ | SBK C | SEXP FR S P | 2.5YR 4/2 | 48"+ | N/A | N/A | II 0.35/ac | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | As (1) | Bt 0-40 | SBK CL | SEXP FR S P | 2.5YR 4/8 | 48"+ | N/A | N/A | III 0.35 1/ac CCL texture | |
| | | BC 40-48+ | " " | " " " " | | | | | | |