# NIBLOCK LOT #9

>LAYOUT FOR 4BR HOUSE - 480 gpd 2/26/2003

| LINE # | COLOR | BS | HI | FS | ELEVATION | LINE LENGTH |
|---|---|---|---|---|---|---|
| TBM | | 4.8 | | | 100.0 | |
| INST. 1 | | | 104.8 | | | |
| *1* | ***BLUE*** | | | *7.2* | *97.6* | *40* |
| *2* | ***YELLOW*** | | | *6.6* | *98.2* | *40* |
| *3* | ***ORANGE*** | | | *6.1* | *98.7* | *90* |
| *4* | ***RED*** | | | *5.6* | *99.2* | *88* |
| *5* | ***PINK*** | | | *5.1* | *99.7* | *85* |
| *6* | ***BLUE*** | | | *4.7* | *100.1* | *75* |
| 7 | YELLOW | | | 4.1 | 100.7 | 60 |
| 8 | ORANGE | | | 3.5 | 101.3 | 55 |
| 9 | RED | | | 3.1 | 101.7 | 55 |
| 10 | RED | | | 1.1 | 103.7 | 65 |
| 11 | ORANGE | | | 2.3 | 102.5 | 50 |
| 12 | YELLOW | | | 3.0 | 101.8 | 47 |
| | | | | | | 750 |

| | TOTAL LINE LENGTH | LTAR | SYSTEM TYPE | INNOV. SYSTEM | DISTRIBUTION | PUMP REQUIRED |
|---|---|---|---|---|---|---|
| ***SYSTEM*** | ***418*** | ***0.3 gpd/ft2*** | ***CONV.*** | ***EZ-FLOW*** | ***COUNTY APPROVED*** | ***YES*** |
| REPAIR | 332 | 0.3 gpd/ft2 | CONV. | PPBPS | COUNTY APPROVED | YES |

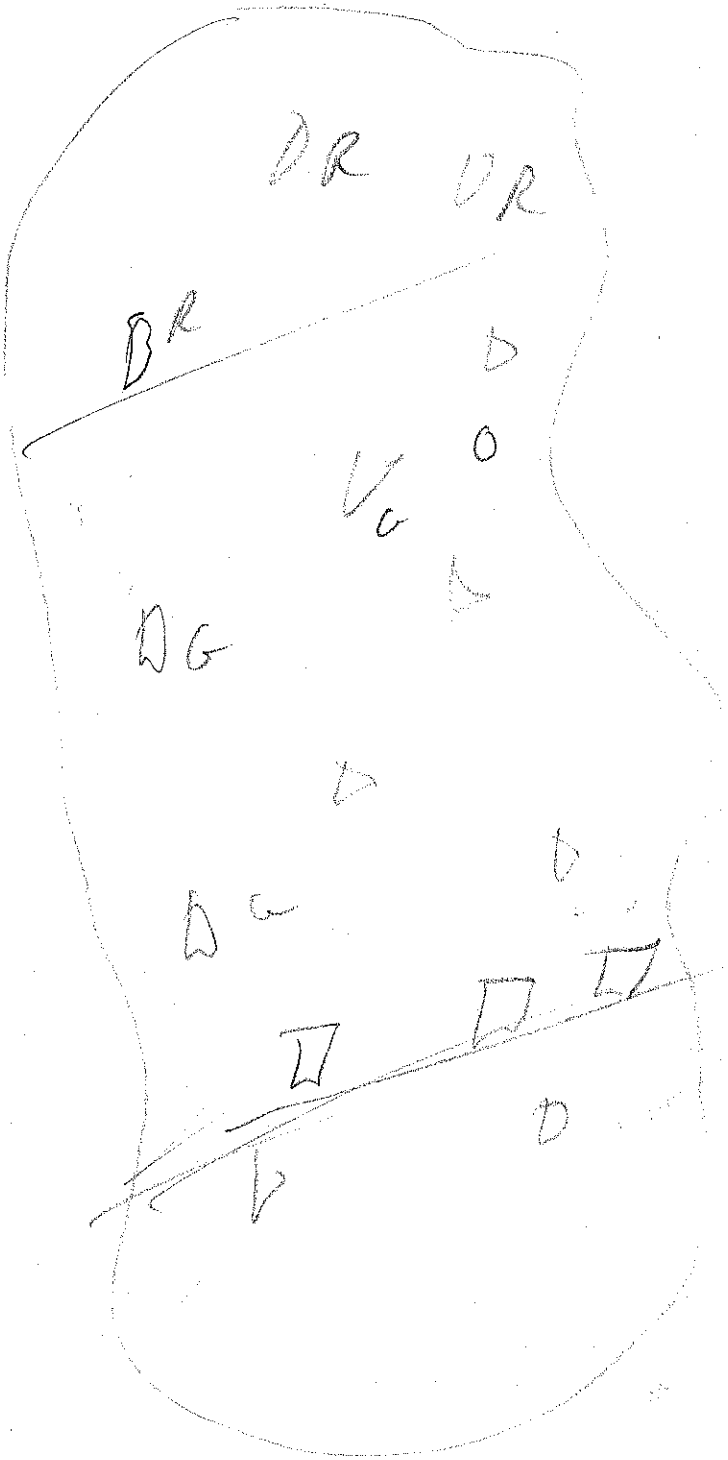
NOTES:

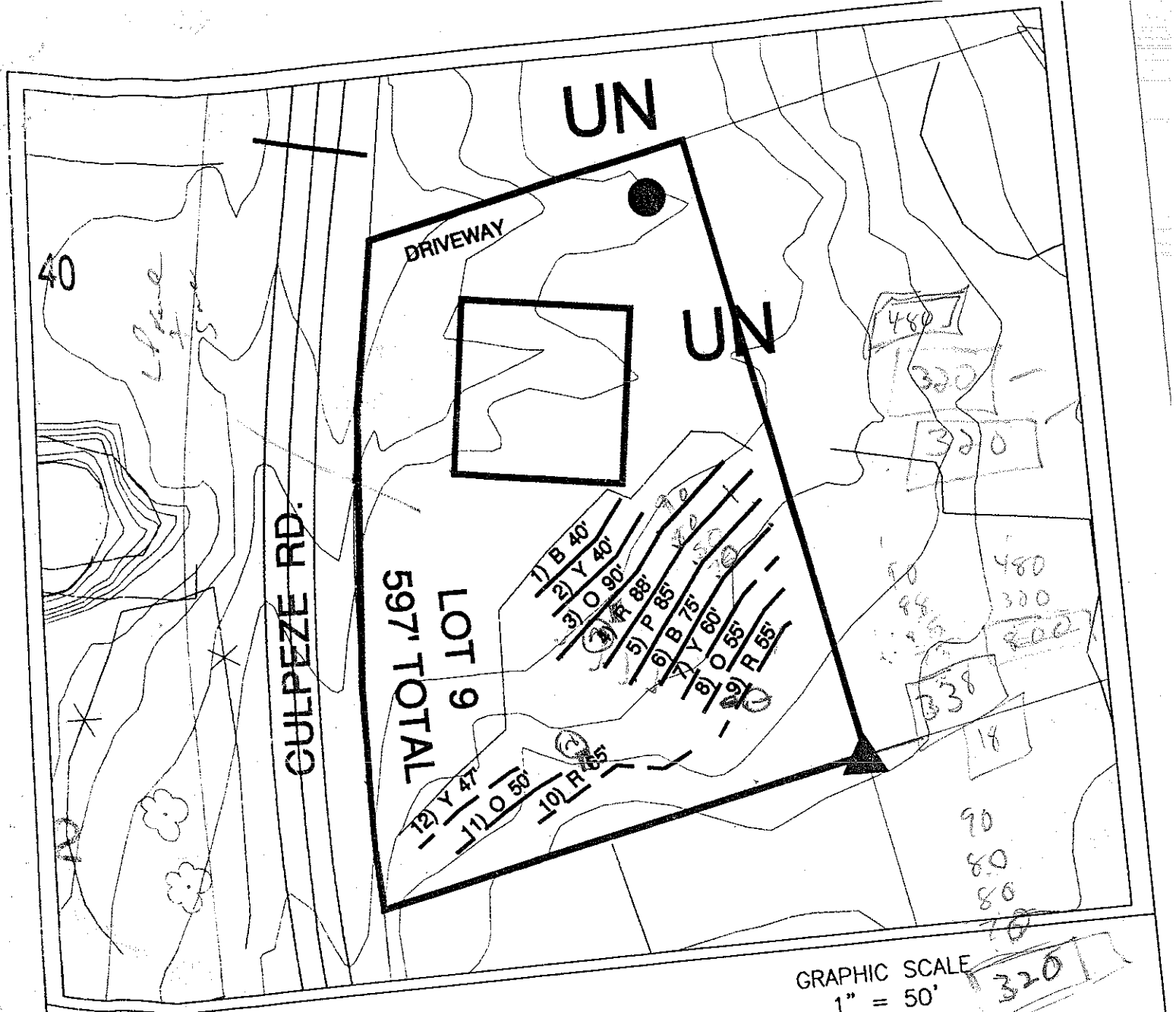
**TBM assumed to be 100' ; TBM is ground elev by 8/9 stake

**All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

**BS, HI and FS indicate rod readings






GRAPHIC SCALE
1" = 50'

50 0 50 100

LEGEND

- Areas contain soils with 24 inches or more of useable material and have potential for conventional and modified conventional septic systems.
- UN — Unsuitable areas.
- System lines.
- Repair lines.
- Temporary Bench Mark (TBM)
- Well Location.

**SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND TOPOGRAPHIC IRREGULARITIES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS. SOME OTHER CONSIDERATIONS THAT AFFECT SITE SUITABILITY THAT SHOULD BE CONSIDERED IN DEVELOPMENT DESIGN ARE:

1) 10' SETBACK FROM PROPERTY LINE
2) 100' SETBACK FROM ANY WELL
3) 50' SETBACK FROM STREAMS, PONDS OR LAKES.

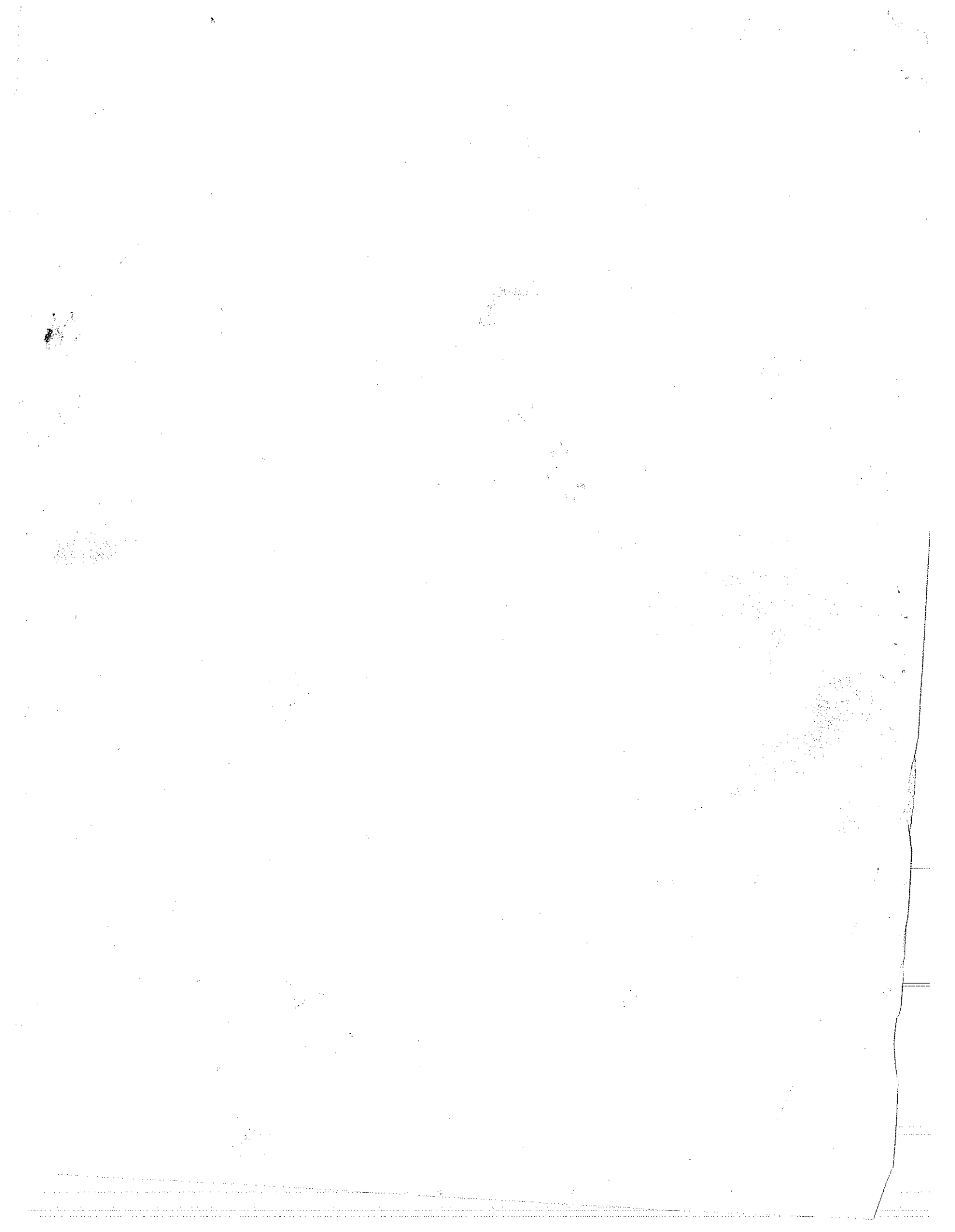
See accompanying S&EC report.

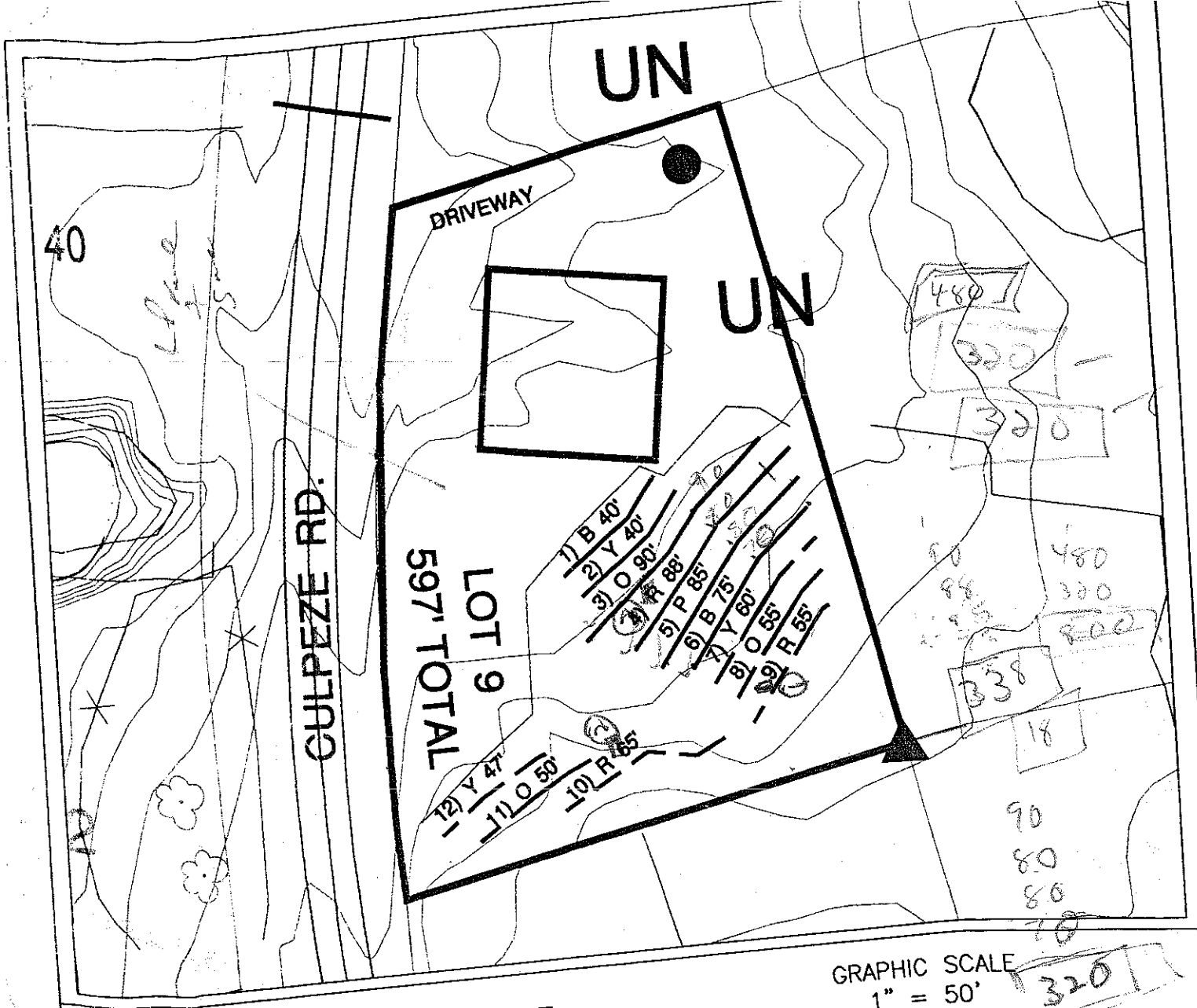
SHEET TITLE:
SITE PLANS & DRAINFIELD LAYOUT

PROJECT NAME:
MELLOCK DEVELOPMENT CORP.
– BLUME ROAD LOT 9 –
IREDELL COUNTY, NORTH CAROLINA
FEBRUARY 2005

S&EC Soil & Environmental Consultants, PA

PROJECT MGR: S.A.R.
DRAWN BY: S.A.R.
FIELD WORK BY: S.A.R., W.O. & B.K.
SCALE: 1" = 50'
FILE: C:\SEC\JOBS\1213






LEGEND

Areas contain soils with 24 inches or more of useable material and have potential for conventional and modified conventional septic systems.

UN — Unsuitable areas.

System lines.

Repair lines.

Temporary Bench Mark (TBM)

Well Location.

**SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND TOPOGRAPHIC IRREGULARITIES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS. SOME OTHER CONSIDERATIONS THAT AFFECT SITE SUITABILITY THAT SHOULD BE CONSIDERED IN DEVELOPMENT DESIGN ARE:

1) 10' SETBACK FROM PROPERTY LINE
2) 100' SETBACK FROM ANY WELL
3) 50' SETBACK FROM STREAMS, PONDS OR LAKES.

See accompanying S&EC report.

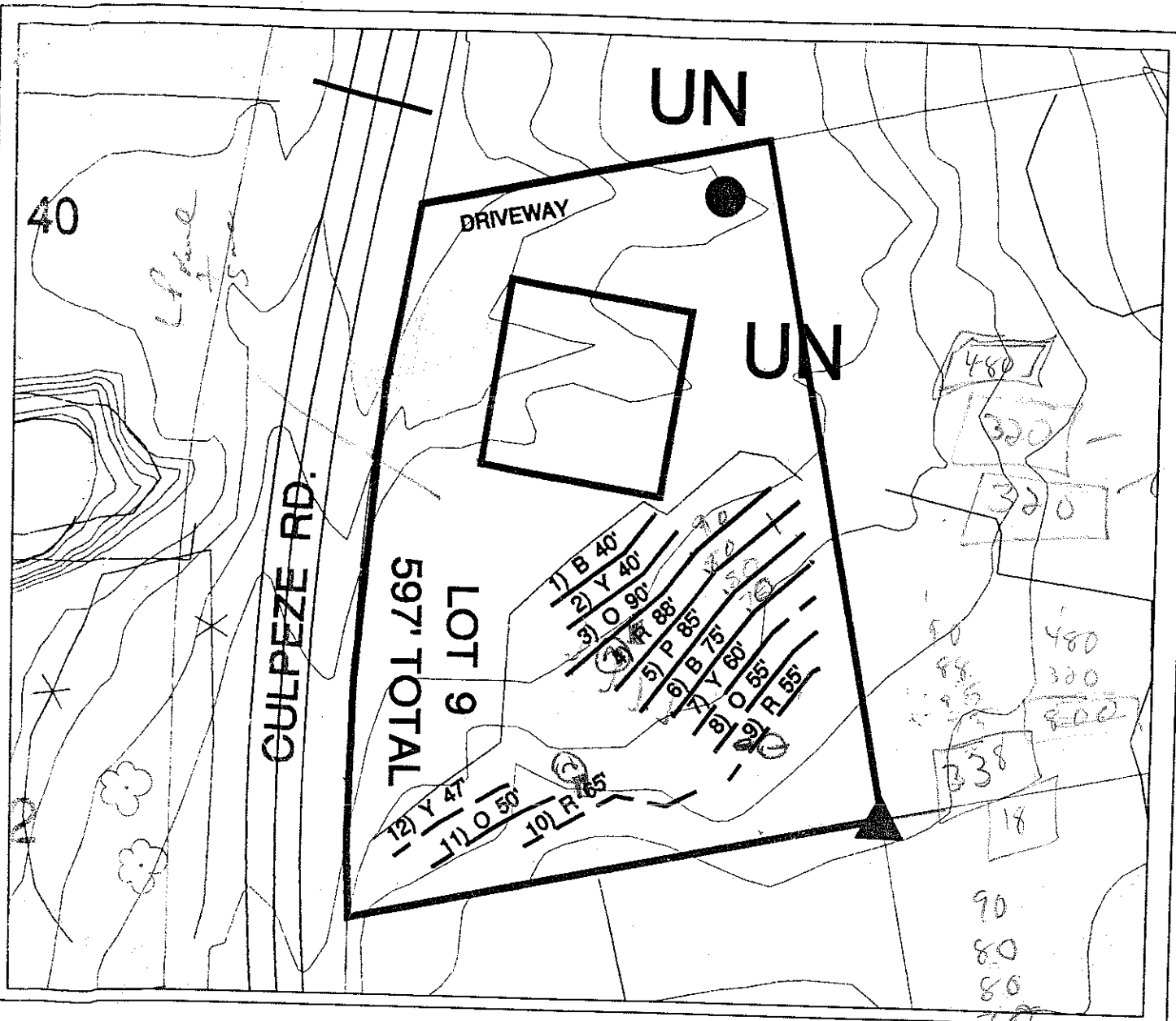
SHEET 1 of 1

SHEET TITLE: SITE PLANS & DRAINFIELD LAYOUT

PROJECT NAME: HEDLOCK DEVELOPMENT CORP. — BLUME ROAD LOT 9 — WEDELL COUNTY, NORTH CAROLINA FEBRUARY 2005

S&EC Soil & Environmental Consultants, PA

FILE C:\SEC\JOBS\1213
SCALE 1" = 50'
FIELD WORK S.A.R.
W.O. & B.K.
DRAWN BY S.A.R.
PROJECT MGR. S.A.R.
PROJECT NO. 05-1213




## LEGEND

- Areas contain soils with 24 inches or more of useable material and have potential for conventional and modified conventional septic systems.
- UN — Unsuitable areas.
- System lines.
- Repair lines.
- Temporary Bench Mark (TBM)
- Well Location.

GRAPHIC SCALE
1" = 50'

50 0 50 100

**SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND TOPOGRAPHIC IRREGULARITIES.
THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS. SOME OTHER CONSIDERATIONS THAT AFFECT SITE SUITABILITY THAT SHOULD BE CONSIDERED IN DEVELOPMENT DESIGN ARE:

1) 10' SETBACK FROM PROPERTY LINE
2) 100' SETBACK FROM ANY WELL
3) 50' SETBACK FROM STREAMS, PONDS OR LAKES.

See accompanying S&EC report.

SHEET TITLE: SITE PLANS & INFIELD LAYOUT

PROJECT NAME: HEDLOCK DEVELOPMENT CORP. – BLUME ROAD LOT 9 – IREDELL COUNTY, NORTH CAROLINA FEBRUARY 2003

S&EC Soil & Environmental Consultants, PA

PROJECT NO. 02-1213
PROJECT MGR. S.A.R.
DRAWN BY S.A.R.
FIELD WORK S.A.R., W.O. & B.K.
SCALE 1" = 50'
FILE C:\SEC\JOBS\1213

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

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

OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ 16+ 9 edwards _____ 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 | .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | French Drain | 0-26 | BSCL/SC SW/WSOR | f/fr SP | mang | Strings | possible fill | old | .25 |
| | | 26-48 | BSC WSOR | f: SP | very moist | | | | |
| | | 48-72 | RSC ANK | f: SP | | | | | |
| 2 | | 0-28 | BSCL WSOR | f: SP/SSSP | SP - common mang YB's | | possible fill | | .25 |
| | | 28-72 | RCL SOR | f: SP | | | | | |
| 3 | | 0-30 | fill material Possible | | | | | | .3 30" |
| | | 30-55 | BSCL CR | fr: SSSP | | | | | |
| | | 55-75 | R | | | | | | |
| 4 | | | | | | | | | |

| 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: _____

# 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 (#####)