

LEGEND

---	PROPERTY LINE
---	CENTERLINE
---	RIGHT OF WAY LINE
▬	NEW ASPHALT
▨	NEW AGGREGATE BASE COARSE (ABC)
▩	NEW EARTH BERM
▧	EXISTING AC PAVEMENT
▦	CONCRETE SYMBOL
⊗	DIVERSION VALVE
□	SEPTIC TANK
---	NEW LEACH LINE
---	FUTURE LEACH LINE (NOT IN THIS CONTRACT)
○	CLEANOUT
⊕	TWO WAY CLEANOUT

SEPTIC TANK & LEACH LINES CALCULATIONS

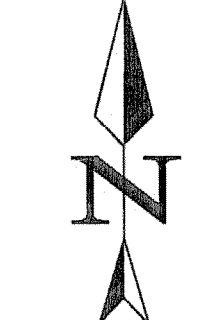
SEPTIC TANK No. 1:
 SEPTIC TANK SIZE:
 NUMBER OF EMPLOYEES = 47 EMPLOYEES
 FLOW PER EMPLOYEE = 25 GAL/DAY
 TOTAL FLOW = 25 X 47 = 1175 GAL/DAY
 SEPTIC TANK SIZE = 1175 X 1.6 = 1880 GAL
 USE 1-2000 GAL SEPTIC TANK
 LEACH LINE LENGTH:
 PERCOLATION RATE = 3 IN/MIN.
 RATE OF APPLICATION = 1.1 GAL/SF/DAY
 FLOW = 1175 GAL/DAY
 TRENCH EFFECTIVE DEPTH = 3 FT.
 LEACH LINE LENGTH = 1175 / (1.1X2X3) = 178 FT.
 USE 180 LF 4\"/>

SEPTIC TANK No. 2:
 SEPTIC TANK SIZE:
 NUMBER OF EMPLOYEES = 30 EMPLOYEES
 FLOW PER EMPLOYEE = 25 GAL/DAY
 TOTAL FLOW = 25 X 30 = 750 GAL/DAY
 SEPTIC TANK SIZE = 750 X 1.6 = 1200 GAL
 USE 1-1200 GAL SEPTIC TANK
 LEACH LINE LENGTH:
 PERCOLATION RATE = 3 IN/MIN.
 RATE OF APPLICATION = 1.1 GAL/SF/DAY
 FLOW = 750 GAL/DAY
 TRENCH EFFECTIVE DEPTH = 2 FT.
 LEACH LINE LENGTH = 750 / (1.1X2X2) = 170.45 FT.
 USE 172 LF 4\"/>

SEPTIC TANK No. 3:
 SEPTIC TANK SIZE:
 NUMBER OF EMPLOYEES = 14 EMPLOYEES
 FLOW PER EMPLOYEE = 25 GAL/DAY
 TOTAL FLOW = 25 X 14 = 350 GAL/DAY
 SEPTIC TANK SIZE = 350 X 1.6 = 560 GAL
 USE 1-560 GAL SEPTIC TANK
 LEACH LINE LENGTH:
 PERCOLATION RATE = 3 IN/MIN.
 RATE OF APPLICATION = 1.1 GAL/SF/DAY
 FLOW = 350 GAL/DAY
 TRENCH EFFECTIVE DEPTH = 2 FT.
 LEACH LINE LENGTH = 350 / (1.1X2X2) = 79.50 FT.
 USE 80 LF 4\"/>

SEPTIC TANK No. 4:
 SEPTIC TANK SIZE:
 NUMBER OF EMPLOYEES = 14 EMPLOYEES
 FLOW PER EMPLOYEE = 25 GAL/DAY
 TOTAL FLOW = 25 X 14 = 350 GAL/DAY
 SEPTIC TANK SIZE = 350 X 1.6 = 560 GAL
 USE 1-560 GAL SEPTIC TANK
 LEACH LINE LENGTH:
 PERCOLATION RATE = 3 IN/MIN.
 RATE OF APPLICATION = 1.1 GAL/SF/DAY
 FLOW = 350 GAL/DAY
 TRENCH EFFECTIVE DEPTH = 3 FT.
 LEACH LINE LENGTH = 350 / (1.1X2X3) = 53 FT.
 USE 54 LF 4\"/>

SCALE: 1" = 60'



Dec. 16, 1997

MEADOWCRAFT WAREHOUSE
 YUMA COUNTY, ARIZONA

SEWER PLAN

SCALE: 1" = 60' DESIGNED BY: N.K.E. SURVEYED BY:
 DATE: OCTOBER '97 DRAWN BY: Vno. JOB No. 97-038

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