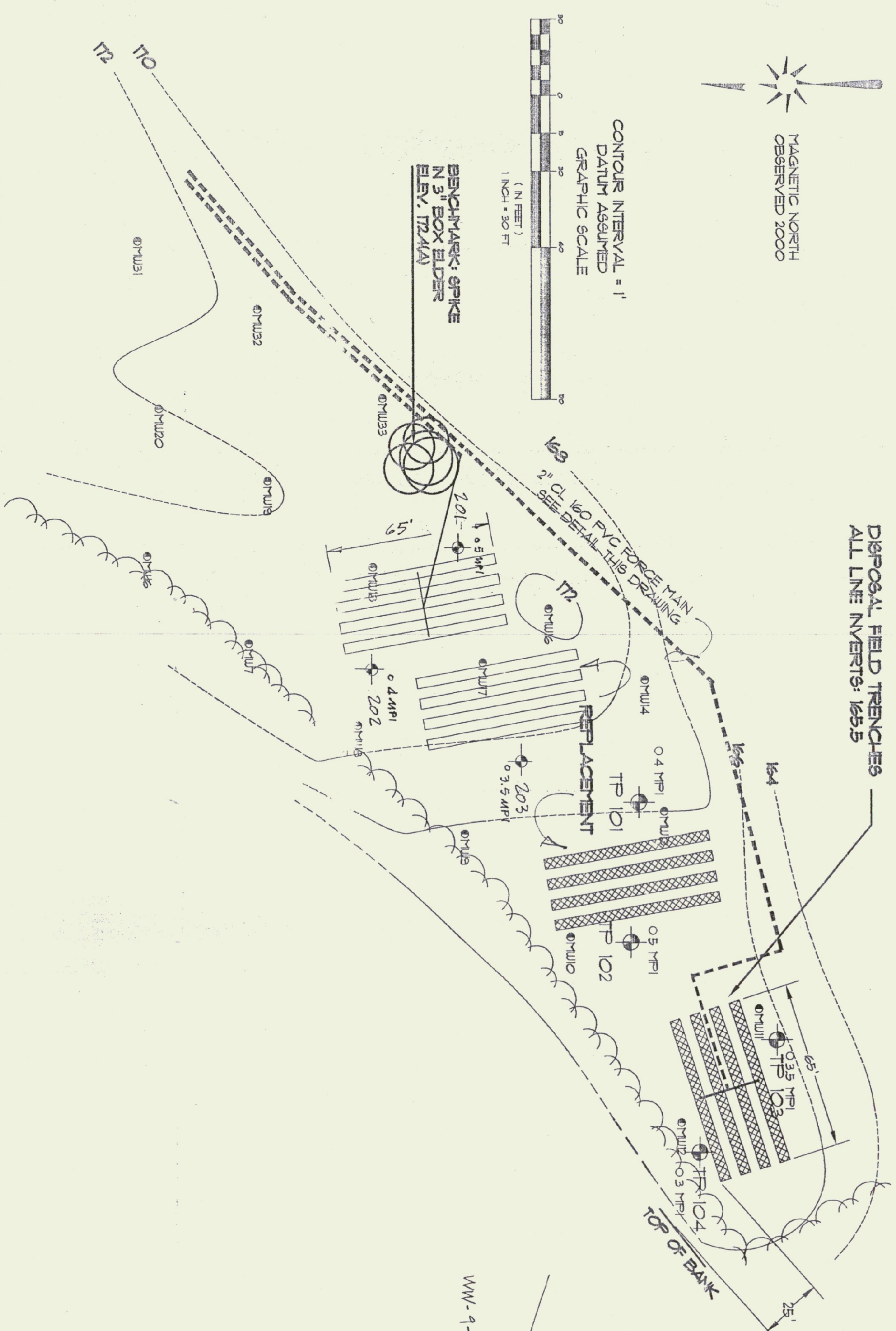




CONTour INTERVAL = 1'
 DATUM ASSUMED
 GRAPHIC SCALE
 1" = 30 FT



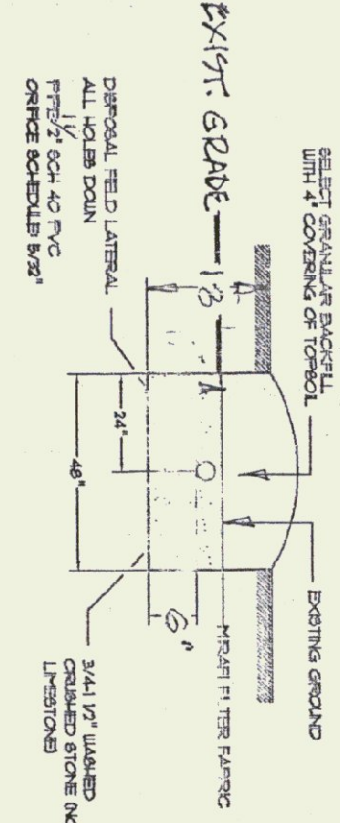
DISPOSAL FIELD TRENCHES
 ALL LINE INVERTS: 165.5

DESIGN CRITERIA

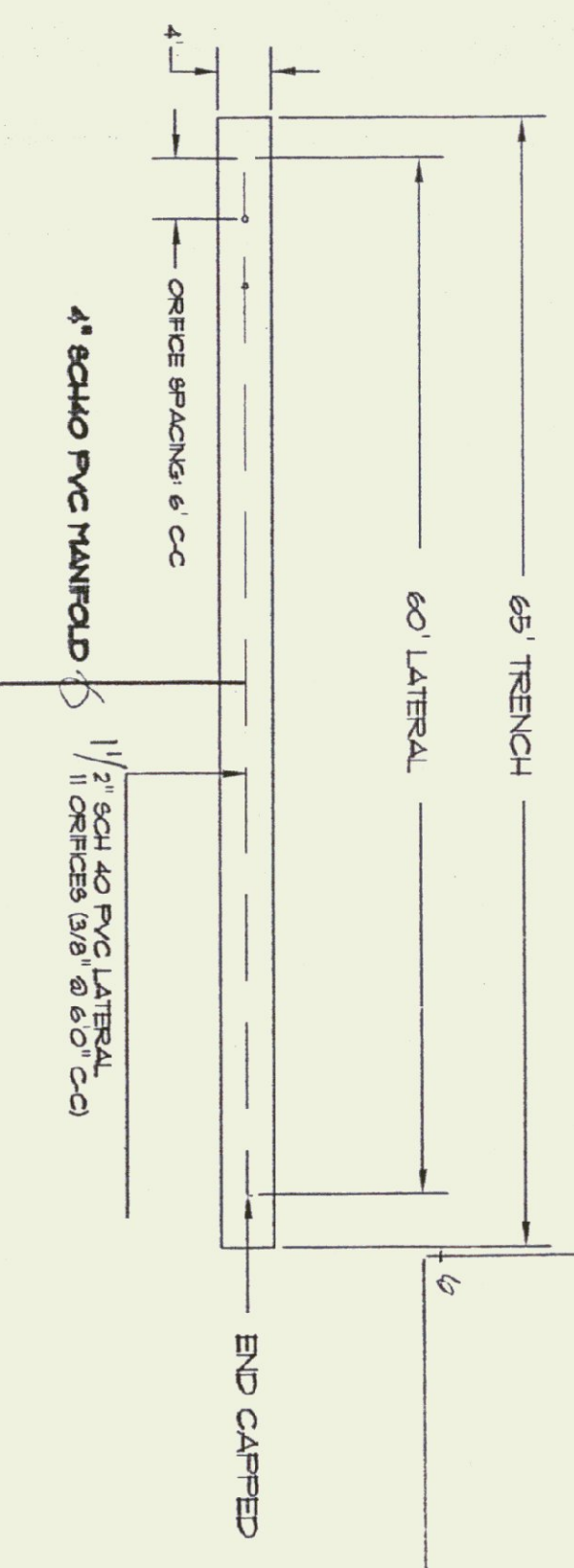
COMMERCIAL BLDG: 300 GALLONS PER DAY
 3,000 GPD/1/2 GAL PER SQUARE FOOT = 250 SQUARE FEET
 2,500 GPD/1/2 GAL PER LINEAR FOOT = 625 LINEAR FEET
 6.5" DIA LINES @ 10 LINEAR FEET PER TRENCH
 SEPTIC TANK SIZE:
 1000 GPD
 USE 2000 GALLON SEPTIC TANK/PUMP STATION
 NOTE: USE 4x6.5" LINES TO PROVIDE CAPACITY FOR 1000 GPD SYSTEM. FUTURE APPLICATION AHEAD TO AHEAD FOR WASTEWATER FROM 300 GPD TO 1000 GPD.

DISPOSAL FIELD TRENCH INSTALLATION NOTES

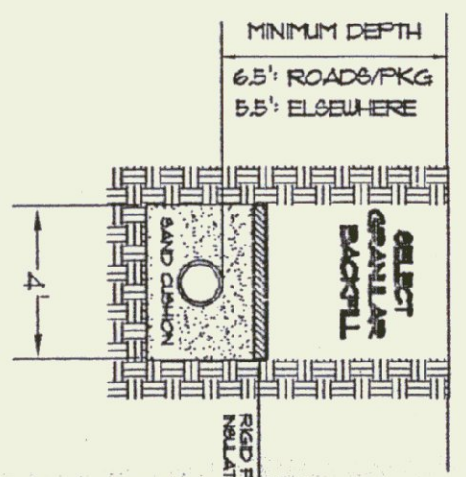
1. ALL TRENCHES WILL BE INSTALLED IN ACCORDANCE WITH THESE PLANS AND THE FIELD LAYOUT CONFORMED BY THE DEPTH SHOWN. ENSURING THAT THE TRENCH BOTTOM IS FLAT AND THE BOTTOM AND SIDES OF THE TRENCH SHALL BE RAKED PRIOR TO THE PLACEMENT OF STONE.
2. STONE SHALL BE HARD AND DURABLE (LIMESTONE, SHALE OR MARBLE NOT ACCEPTABLE) AND BE EITHER CRUSHED STONE OR SCREENED GRAVEL RANGING FROM 3/4" TO 1 1/2" IN SIZE. FINES OR ROCK DUST SHALL BE REMOVED FROM THE MATERIAL BY THE FOLLOWING PROCEDURE:
 4. PLACE THE MATERIAL IN A 1/2" MESH SCREEN AND VIBRATE TO REMOVE FINES.
 5. AFTER COVERING THE TRENCH WITH STONE, A LAYER OF FILTER FABRIC SHALL BE PLACED OVER THE ENTIRE WIDTH AND LENGTH OF THE TRENCH TO COMPLETE THE TRENCH AS SHOWN. CROWNING THE FINISHED GRADE TO DIVERGE SURFACE WATER. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED.
6. EACH LATERAL WILL BE PRESSURE TESTED BY MEANS OF THE AVAILABLE PUMP. THERE WILL BE AT LEAST THREE FEET OF HEAD ALONG THE LATERAL AND NO MORE THAN 5% DIFFERENTIAL BETWEEN ANY POINT IN THE LINE.



TYPICAL TRENCH and LATERAL



SOILS DATA (201-203)
 0.18 TOPSOIL/SANDY LOAM
 13.60 FT. MOISTURE @ 30" - 42"
 60-84" FINE-MEDIUM SAND



PIPE TYPICAL TRENCH NOTES

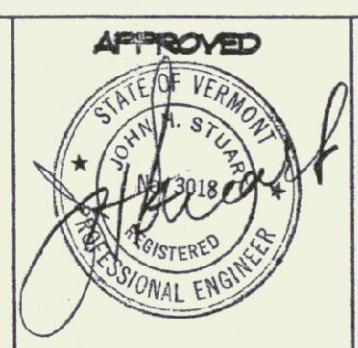
1. PIPE SHALL BE FREE OF DEFECTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S AND ENGINEER'S SPECIFICATIONS.
2. THE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE GRADE AND DEPTH SHOWN ON THESE DRAWINGS. NO VARIATION WILL BE PERMITTED WITHOUT THE AUTHORIZATION OF THE PROJECT ENGINEER.
3. AFTER BACKFILLING THE TRENCH TO THE REQUIRED DEPTH, THE PIPE WILL BE COVERED WITH STONE OR CRUSHED GRAVEL TO PROVIDE UNIFORM SUPPORT.
4. AFTER PLACEMENT OF THE PIPE AND BEDDING, THE TRENCH WILL BE BACKFILLED WITH CLEAN GRANULAR MATERIAL THAT IS FREE OF ANGULAR OR LARGE STONE (4" MIN. DIMENSION) WITHIN 12" OF THE PIPE BACKFILL MATERIAL. IT WILL BE COMPACTED IN 12" LAYERS WITH A PORTABLE VIBRATOR UNIT.
5. AFTER BACKFILLING, THE PIPE WILL BE SUBJECTED TO THE PRESSURE TEST SPECIFIED ELSEWHERE IN THESE DRAWINGS.
6. SUFFICIENT COVER IS NOT AVAILABLE OR IF THE PIPE WILL PASS UNDER A TRAVELLED AREA RIGID FOAM INSULATION WILL BE USED AS SHOWN.

Department of Environmental Conservation
 Approved: *Lawrence J. Davis*
 Permit #: *VER-5-03214*
 Date: *12/11/2000*

SCALE: 1" = 30'
 BUILDING SITE PLAN



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JOHN AND IRENE PIERCE
 FERRISBURGH, VERMONT
 WASTEWATER SYSTEM PLAN AND DETAILS
 NOVEMBER 2000

REV 11/00 WELL-FIELD
 12/00 LAT SIZE