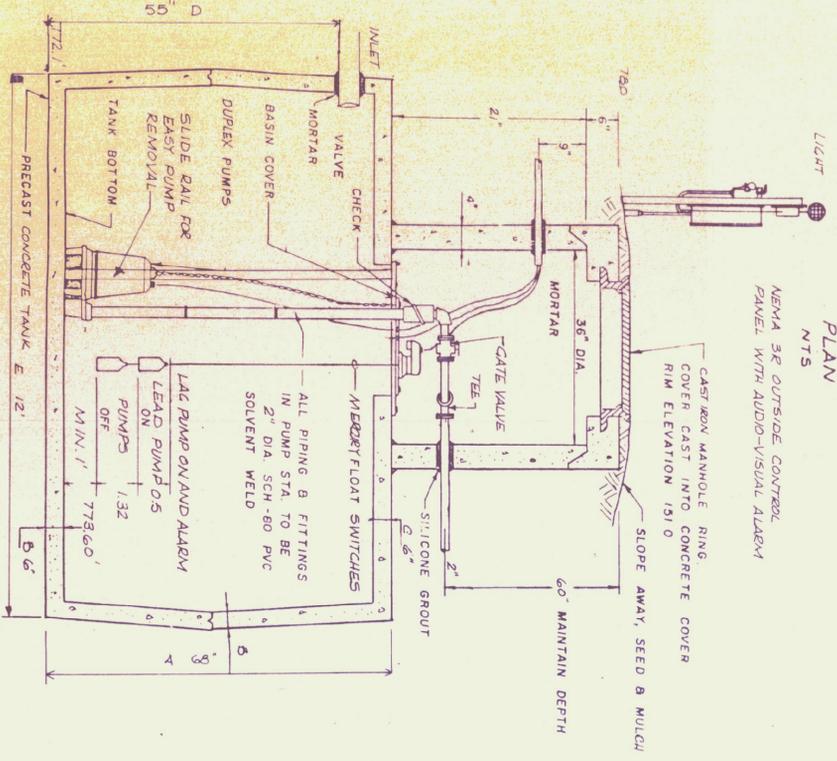


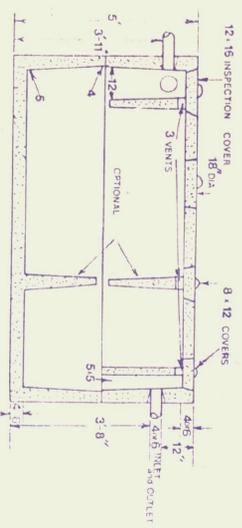
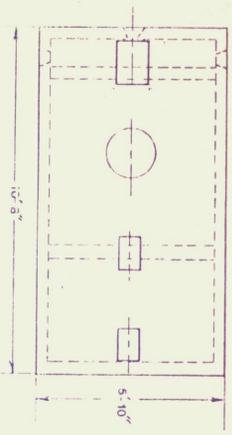
PLAN
NTS

MEMA 3P OUTSIDE CONTROL PANEL WITH AUDIO-VISUAL ALARM



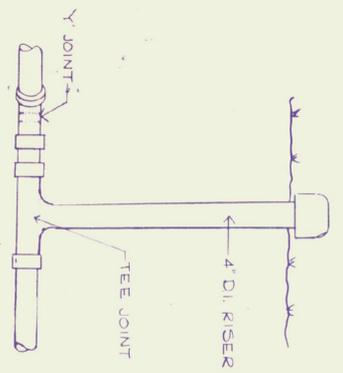
2000 GALLON PUMP STATION DETAIL
NOT TO SCALE

NOTE: CONTRACTOR OPTION TO SUPPLY COMPACTIBLE PACKED STATION AS APPROVED BY ENGINEER

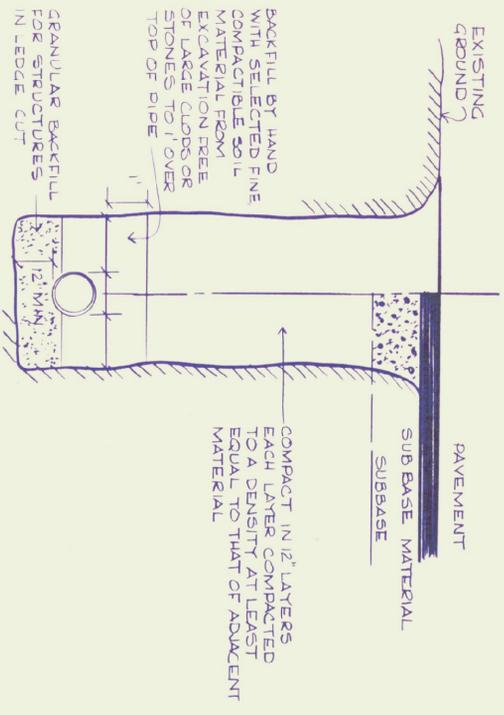


1250 GAL SEPTIC TANK

- NOTES
1. Cement 4000PSI @ 28 days
 2. Inlet baffle and outlet chamber are pre-cast with top section
 3. Ring joint sealed with asphalt cement or equivalent, reinforced with 6x6x10 Ga. steel wire
 4. Two compartment tank shown, smooth bottom tank available
 5. Excavation must be at least 12" longer and wider
 6. Three inlet positions standard

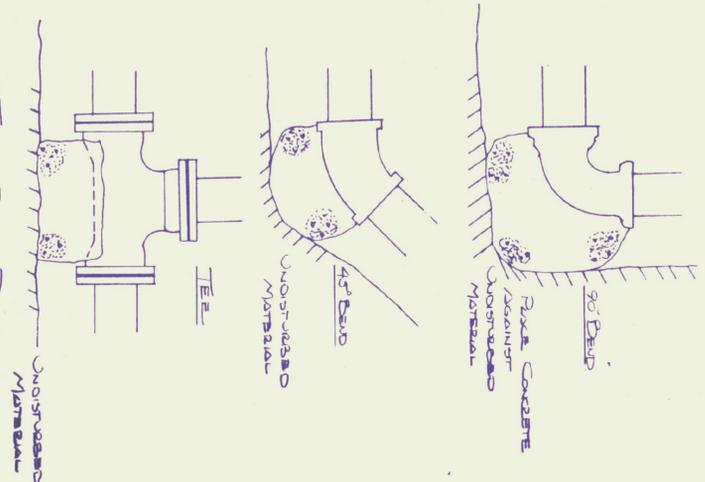


CLEANOUT DETAIL TYPICAL
NOT TO SCALE

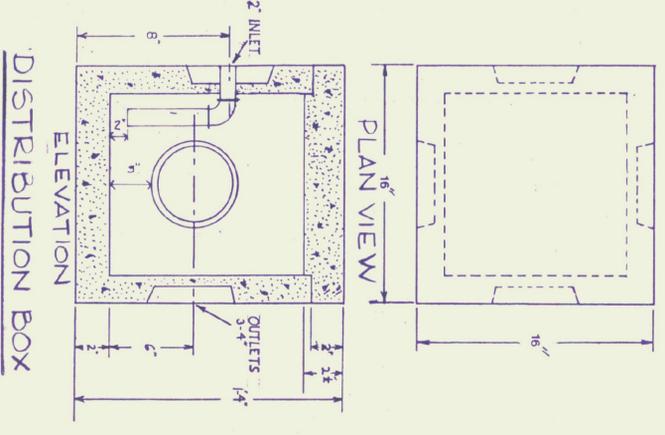


TRENCH TYPICAL
NOT TO SCALE

THE SANITARY SEWER LINE AND THE WATER MAIN SHALL BE SLEAVED WHEN WITHIN THE ROADWAY. REFER HIGHWAY DEPARTMENT'S DESIGN DETAIL.

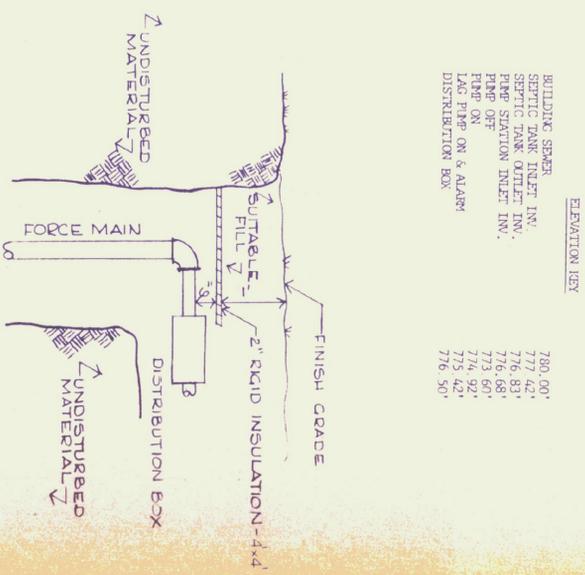


NOTE: CONCRETE REACTION BUCKLING SHALL BE PROVIDED AT ALL BENDS DEFLECTING 22W/2R OR MORE. 1/8 CY MIN.



DISTRIBUTION BOX
NOTE: 1. Concrete 4000PSI @28 days

- DESIGN CRITERIA - SANITARY SYSTEM
1. THE EXISTING 1250 GAL SEPTIC TANK WILL BE RELOCATED AND REPLACED WITH A NEW 1250 GAL SEPTIC TANK.
 2. THE EFFLUENT FROM THE SEPTIC TANK WILL BE PAVED UNDER THE ROAD MAINTAINING MINIMUM DEPTH OF 5 FEET BENEATH THE ROAD.
 3. PUMP STATION REQUIREMENTS:
483 passengers @ 5 GPM = 2415 GPD
4 doses per day - each dose 603 gal
USE 2000 gal PUMP STATION CAPACITY 4 HOUR STORAGE REQUIRED = 600 gal
PERMANENT STORAGE AVAILABLE 21" VOLUME ABOVE PUMP ON AND BELOW INLET
INVERT IS 107' C.F. = 800 GAL
 4. PUMP REQUIREMENTS:
PEAK 20 MINUTE FLOW 194 GPM USE PUMP RATE OF 40 GPM
HEAD LOSS IN 2" DELIVERY LINE 4.51'
PUMP STATION PIPING LOSSES 0.93'
SUMP LOSS (ESTIMATED) 2.90'
MISCELLANEOUS LOSSES 1.00'
TOTAL 10.21'
 5. NEW DISTRIBUTION BOX REQUIRED. AT RISK WHERE FORCE MAIN ENTERS BOX
2" x 4" INSULATION SHALL BE USED TO PROTECT THE FORCE MAIN FROM FREEZING.



INSULATION TYPICAL
NOT TO SCALE

* REVISED: AUGUST 26, 1983 - NOTE TO TYPICAL TRENCH

SEWER SYSTEM DETAILS
RATTLEFORD STATE AIRPORT
CLARENDON, VERMONT
AIP 3-50-0015-02

PROJ. NO. 5181
SHEET 21 OF 44

PS&A
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