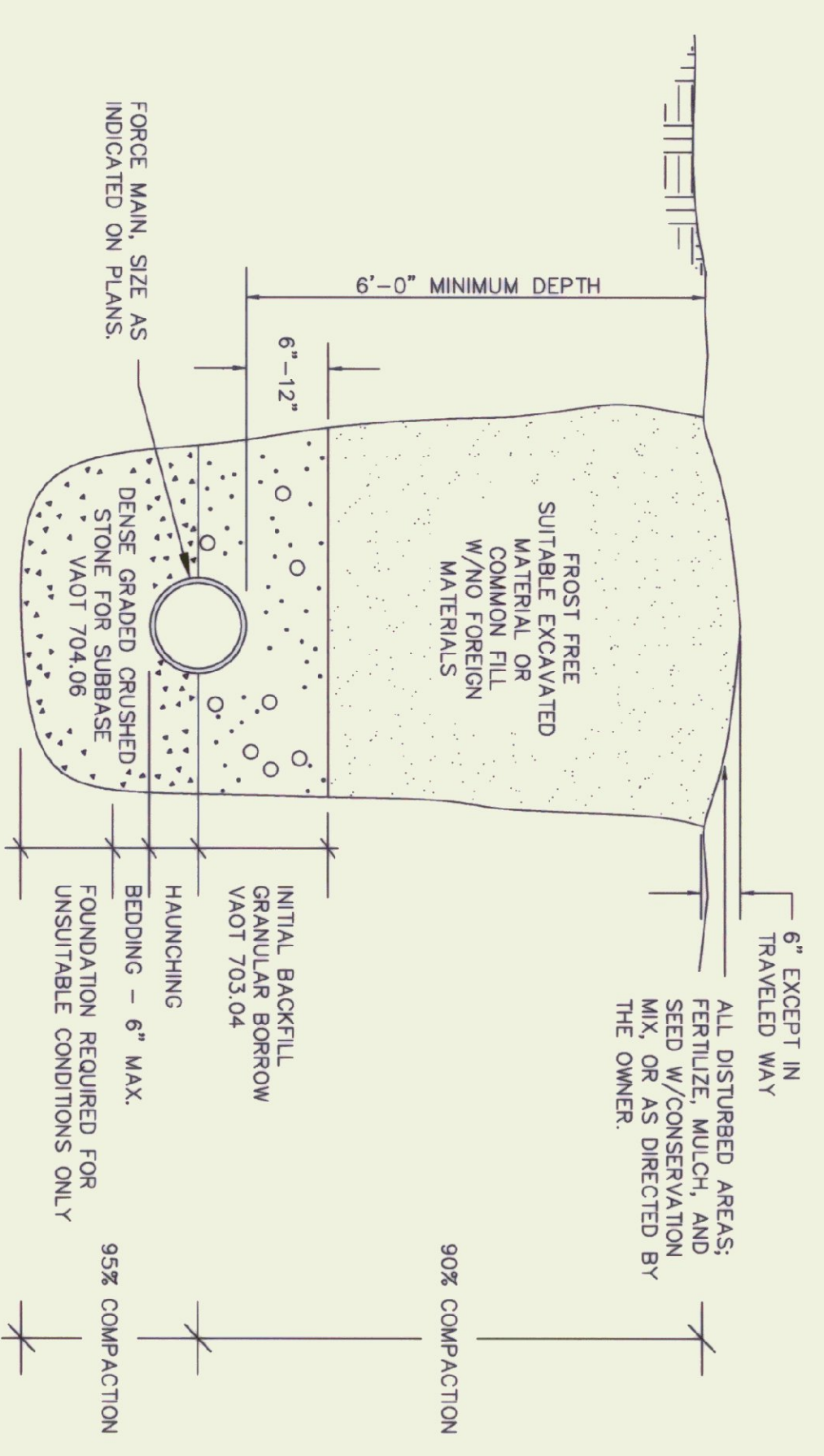


PUMPING SYSTEM

1. PUMP - HYDROMATIC SHEF33 OR APPROVED EQUAL: 230V, 1P, 26 GPM @ 19 TDH
2. SYSTEM SHALL BE INSTALLED WITHOUT A CHECK VALVE WITH FORCE MAIN CAPABLE OF BACK DRAINING.
3. CONTROLS - MODEL JSD, S.J. ELECTRO SYSTEMS MERCURY TILT SWITCH, OR APPROVED EQUAL. SET @ 140 GALS. PUMPED VOLUME PER CYCLE. CONTRACTOR RESPONSIBLE FOR SETTINGS IF HE SUBSTITUTES ANOTHER PUMP STATION.
4. HIGH WATER ALARM - MODEL LB-50, OHIO ELECTRIC CONTROL, INC. OR APPROVED EQUAL. AUDIO & VISUAL ALARM INSTALLED IN THE WELCOME CENTER @ THE OWNER'S LOCATION.

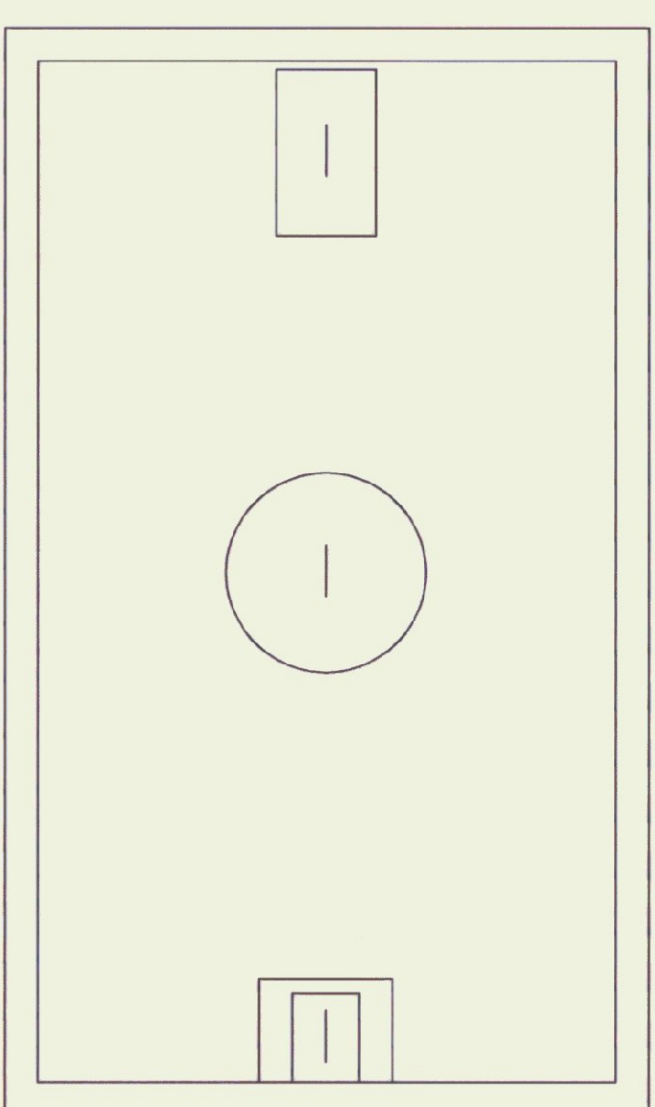
PUMP STATION

NOT TO SCALE



SEWER LINE TRENCH TYPICAL

NOT TO SCALE



SEPTIC TANK

NOT TO SCALE

1. PRE-CAST REINFORCED CONCRETE - 4000 PSI @ 28 DAYS.
2. 1000 GALLON, TWO COMPARTMENT DESIGN.
3. INLET BAFFLE AND OUTLET CHAMBER PRE-CAST WITH TOP SECTION OF TANK.
4. KEVED JOINT SEALED WITH ASPHALT CEMENT OR EQUIVALENT.
5. PRIOR TO INSTALLATION, PLUG FROST HOLES WITH GROUT.

CONSTRUCTION SPECIFICATIONS

THE PROJECT:

Provide, construct, test, and set operating a complete sewage disposal system including septic tank, pump station, disposal mound, interconnecting piping, pump, power and controls, and high-water alarm, all as shown on the Plans, specified herein, and directed by the Engineer.

Connect to the Alburg Village water system and construct a water service line to the Visitors Center as shown on the Plan and Details. Coordinate service connection with the Alburg water superintendent. Install water meter in the Visitors Center building as designated by the water superintendent. Meter will be provided by Alburg Village. Connection fee will be paid by the State of Vermont.

MATERIALS AND EQUIPMENT:

1. 1-1/2" Crushed Stone for disposal mound
VAOT 204.02 COARSE AGGREGATE FOR CONCRETE:
Sieve Designation: 1-3/4" 1-1/2" 1" 3/4"
% Passing 100 90-100 20-55 0-15 0-5
2. Sand for disposal mound:
Sieve Designation: 10 40 200
% Passing 85 30-50 5-10

3. Septic Tank:

1000 gallon: 4000 psi precast concrete, two compartment; Comp. Precast 1000 Standard or approved equal. Frost holes shall be properly plugged with grout prior to installation. "ledge tank" may be substituted with Engineers approval.

4. Pump Station:

1. Vault - 1000 gallon precast, seamless concrete; Comp. Precast or approved equal. Frost holes shall be properly plugged with grout prior to installation.
2. Pump - Hydromatic SHEF33 Effluent Pump or approved equal; 26 gpm @ 19 ft. TDH.
3. Pump Controls - Model JSD, S.J. Electro Systems mercury tilt switch, or approved equal; Control set for a 140 gallon pumped volume per cycle. Control level settings given on the Pump Station Detail of the drawings are for this pump station only; Contractor is responsible for settings if he substitutes another pump station.
4. High Water Alarm - Model LB-50, Ohio Electric Control, INC. or approved equal; Audio & visual alarm installed in the Visitor's Center at owner's location.

REV. NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY
4	4/26/98	ADDED SHEET NO. TO TITLE BLOCK	JEA	GAK	
3	6/6/95	ADDED VENT & VALVE TO PUMP STA.	JEA	GAK	
2	6/6/95	ADDED WATER TO SPECIFICATIONS	JEA	GAK	
1	6/5/95	MOVED VALVE PIT TO 5/5	JEA	GAK	

OWNER	ALBURG WELCOME CENTER	PROJECT NO.	11295
DESIGNER	ALBURG, VERMONT	DATE	5/17/95
SEWERAGE DISPOSAL SYSTEM	SEWERAGE DISPOSAL SYSTEM	SCALE	AS INDICATED
DETAILS	4/4 028-11175	DESIGNED BY	JON E. ALLEN
VERMONT SURVEY and ENGINEERING, INC.	REGISTERED PROFESSIONAL ENGINEER	CHECKED BY	JON E. ALLEN
38 EAST SNAPE STREET • MONTELEONE, VERMONT • 05602	NO. 3224	APPROVED BY	JON E. ALLEN
		SHEET NO.	6/21



Jon E. Allen