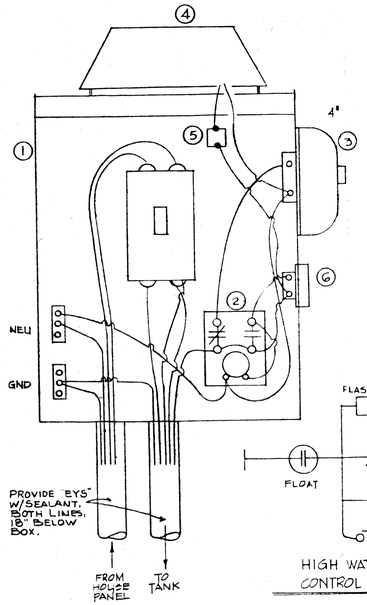
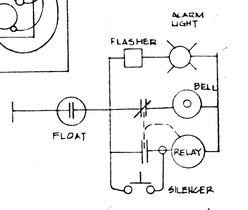
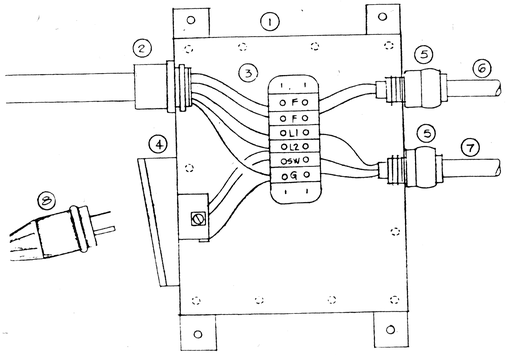


HOUSE CONTROL BOX

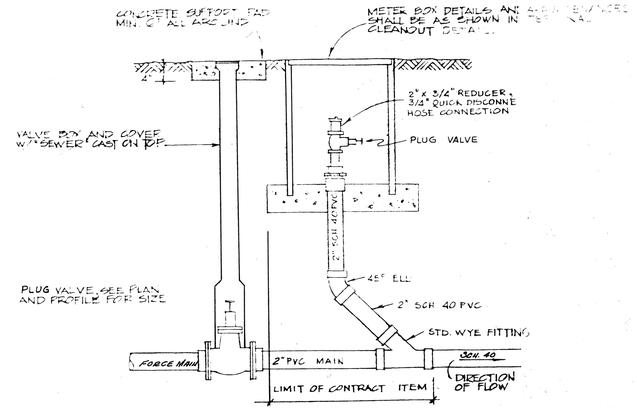


HIGH WATER ALARM CONTROL SCHEMATIC



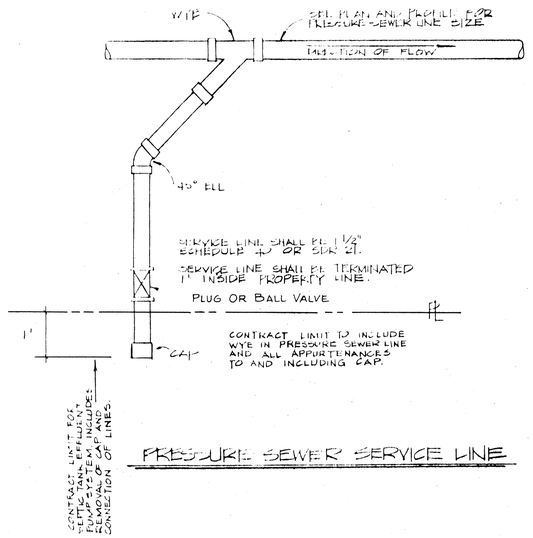
PUMP CHAMBER JUNCTION BOX

APPROX SCALE: 3/8" = 1'-0"

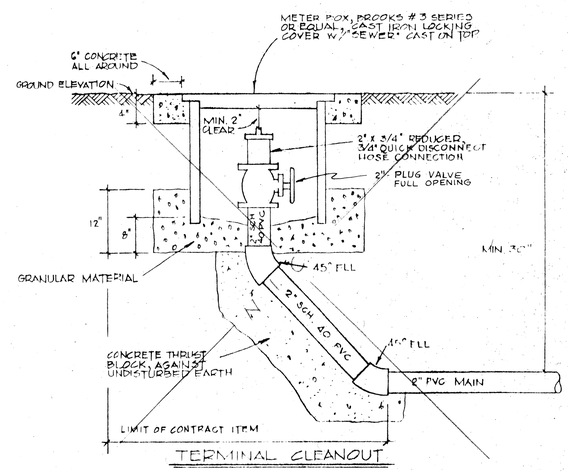


IN-LINE CLEANOUT

(LOCATE AT MID POINT ON FORCE MAIN)



PRESSURE SEWER SERVICE LINE



TERMINAL CLEANOUT

PUMP CHAMBER JUNCTION BOX

1. Enclosure 12 gauge, 8"w x 10"h x 4"d, 304 SS welded seams, continuous gasket, screw cover with SS screws, built to NEMA 4 or better requirements, welded mounted flanges, welded-on interior bracket for terminal strip. Mount with lead anchors and 3/8" SS machine screws.
2. Incoming electrical feed 3/4" galvanized; utilize galvanized conduit adapter with gasket and locknut for attachment.
3. Terminal strip, Square D 9080-CA6. Mount to interior bracket furnished with enclosure.
4. Receptacle, Woodhead "Watertite" series No. 60W49. Mount receptacle housing to enclosure box with SS 8-32 x 1" screws, drilled and tapped into side of enclosure box, or with nuts and washers inside.
5. Watertight cable connectors, Crouse-Hinds CGB-SG, ½", Form B, P.V.C.
6. Cable for high water float, furnished with float.
7. Cable to pump control float device, utilize 3/c #14 SO with Neoprene jacket.
8. Attachment cap for pump, Woodhead 250V. 14W49 Watertite cap, connect to cable furnished with pump.

SYSTEM OWNERSHIP RESPONSIBILITY

1. Effluent tank/pump system	-	
2. House control box	-	
3. Pump Chanber Junction box	-	ARVIDA CORP.
4. Pressure sewer lines, valves Clean-outs, service	-	
5. Electric Service to pump	-	

HOUSE CONTROL BOX

1. Enclosure size to suit, NEMA 3R minimum, with interior dead front panel through which breaker can be operated. Breaker 250V. 2P. 15 amp, Square D Q0215. Enclosure to contain insulated neutral bar, and ground bar.
2. General purpose open relay, 120V. coil, 1-N.O., 1-N.C. 10A. contacts, Square D CO3.
3. Waterproof, 4", 120V. Bell.
4. Alarm light, 120V. unbreakable enclosure, either red lamp or red lens constructed for weatherproof mounting in this position.
5. Solid State flasher unit.
6. Silence button, N.O., weatherproof boot.

NOTE: Minimum service required from house:

120/240 Volt 1Ø, 4 wire (line 1, line 2, Neutral and ground) from 20 ampere 2 pole breaker, 4# 12 copper.

Feed to pump chamber: 2 #10 THWN Cu (L1 & L2), 1 #10 THWN Cu (ground), 2 #14 THWN Cu (high water float) 3/4" P.V.C. conduit.

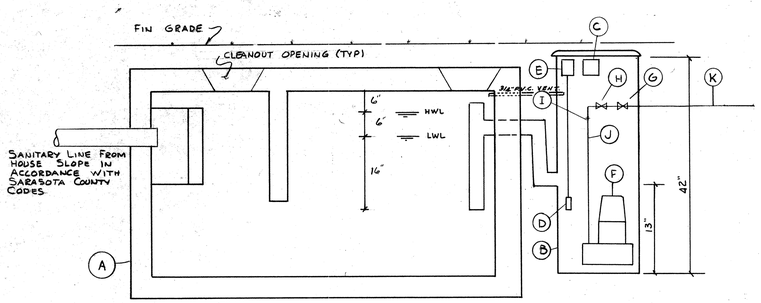
All devices in this enclosure to be prior approved by Engineer.

7 CONTROL BOX SHALL BE LOCATED ON HOUSE STRUCTURE SO ENTIRE BOX IS VISIBLE FROM SEPTIC TANK - EFFLUENT PUMP LOCATION

SEPTIC TANK & PUMP SPECS.

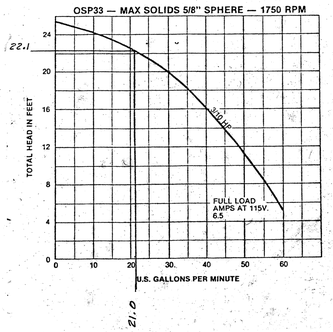
A. Concrete/Septic Tank, 750 gallon
B. Fiberglass Pump Chamber with Lockable Cover
C. Pump Chamber Junction Box, see detail (this sheet)
D. High Water Float, Anchor Scientific #S 20-NO
E. Pump Control Float Device, Myers #AWS-1, install pipe plugs in all unused ports, connect with #14/3 SO neoprene cable
*F. Pump with Lift Cable
G. 1½" P.V.C. Shut-off Valve
H. 1½" P.V.C. Check Valve
I. 1½" P.V.C. Union
J. 1½" P.V.C. Schedule 80
K. 2" P.V.C. Service Line, connect to pressure sewer service line, see detail

* Pump-Model OSP33 Hydromatic Pump Co. or Approved Equal.



SEPTIC TANK-EFFLUENT PUMP SYSTEM

No SCALE



Minimum Requirements

q = 21.0 gal./min.

T.D.H. = 22 FT.

PUMP CURVE

BENNETT & BISHOP
CONSULTING ENGINEERS & SURVEYORS SARASOTA FLORIDA

ARVIDA CORPORATION
HARBOURSIDE TENNIS CLUB – PHASE II-IV
LONGBOAT KEY SARASOTA Co., FLA.

SANITARY SEWER DETAILS

DATE FEB. 3, 1989
SCALE AS SHOWN
DESIGN
DRAWN
CHECK
APPROVED

DWG. No. 191-25

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