DUPLEX ALTERNATING PUMP/CONTROL PANEL

LEVEL CONTROL MOUNTING PLATE
ACCESS PANEL
PUMP CABLES
DUPLEX PUMP VALVE ASSEMBLY CONSISTING OF CHECK VALVE WITH GATE VALVES OR FOOT VALVE WITH GATE VALVES FOR SERVICING ISOLATION.

NOTE 1, 2

VENT
DISCHARGE

cas t tigh steel cover traffic rated when applicable

to pump motor
s.s. lifting cables

gou t around pipe, typ.
inlet

alarms:
start lag pump - critical 2 alarm. (daytime callout monday thru friday).
high water alarm - critical 1 alarm. (24/7 callout)
power failure alarm - critical 1 alarm. (24/7 callout)

7. lids to be provided with hinges and easily removable inspection cover.
8. pumps to be provided with slide-away coupling consisting of discharge elbow secure to sump floor, movable bracket, guide pipe system, lifting chain and chain hooks.

notes:
1. for storm systems terminate vent with goose neck
2. for sewage systems terminate vent at roof or in unoccupied space.
3. for sewage applications nema 4x enclosures required.
4. refer to fdg specifications 22 05 23 and 22 06 10.13 for more details.
5. discharge line must be pressure rated. do not use cast iron type.
6. provide remote bms and local alarm. (visual and audible).

alarms:
start lead pump - critical 1 alarm. (24/7 callout)

start log pump

pump off

submersible pump (typ. 2)

sten e or fibre glass

sum p tank

discharge

pump discharge elbow furnished by pump manufacturer

note 1, 2

gas tight steel cover traffic rated when applicable

to pump motor
s.s. lifting cables

grat around pipe, typ.
inlet