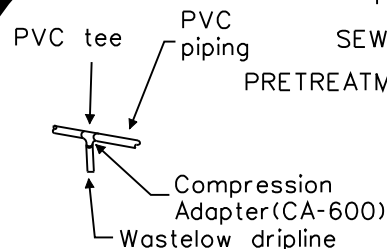


DRIP NU WATER B-800 • 1500 SYSTEM:



HEADER CONNECTION

Estimated Flow: - 1271 gpd.

Normal Strength Effluent 300mg/L

BOD CALCULATION : $\frac{1271g. \times 300mg/L \times 8.34 \text{ lb/mg/L}}{1,000,000}$

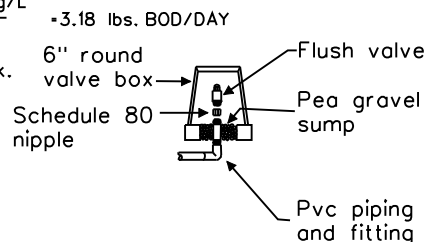
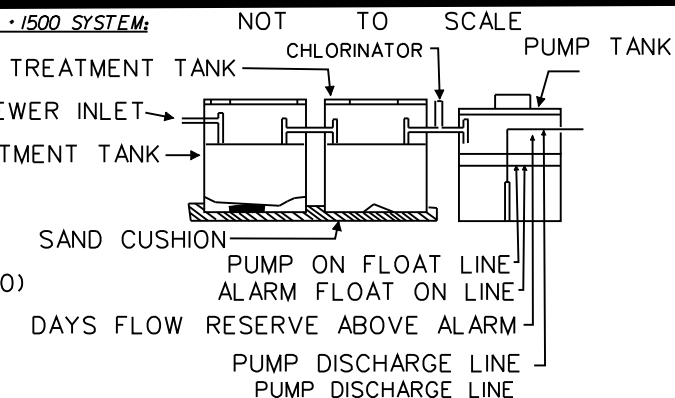
DOSING TANKS: 1000g. Primary & Dosing tank. +
500 Primary /800g. ATU & 1000 Dosing tank.
DOSING Schedule: 2224GAL. @ 95g. every 2hrs Dosing Cycle
intervals (12Heads PRESSURE)
1000gpd Dosing tank w/t 1/2 H.P.
sump pump and high level alarm

A start/stop switch or timer must be included in the system to control the dosing pump. An audible and visible high water alarm, on an electric circuit separate from the pump, must be provided.

Each drainfield shall consist of a matrix of small-diameter pressurized lines, buried at six inches deep, and pressure reducing emitters spaced at a maximum of 30 inch intervals. The 24 inch pressure reducing emitter shall restrict the flow of effluent to a flow rate low enough to ensure equal distribution of effluent throughout the drainfield.

ADDITIONAL OSSF NOTES

- (1) THE INSTALLER SHALL VIEW THIS DIAGRAM, AND THE ACTUAL SITE FOR ANY DISCREPANCIES THAT MAY EXIST.
- (2) ALL DRIP IRRIGATION SYSTEM DEVICES ILL COMPLY WITH THE MANUFACTURER LABELING AS SUITABLE FOR DOMESTIC SEWAGE OR APPROVED BY THE EXECUTIVE DIRECTOR ACCORDING TO CHAPTER 285.32(c)(4)
- (3) ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- (4) THE SANITARIAN IS NOT RESPONSIBLE FOR THE INTEGRATY OF THE SYSTEM TO BE INSTALLED, OR ANY WORKMANSHIP OF THE INSTALLER.
- (5) PAYMENT FOR THIS DESIGN RELEASE THE SANITARIAN OF ALL LIABILITIES THAT MAY ARISE FROM A FAILED SYSTEM.
- (6) ALL PUBLIC WATER WATER SERVICE AND POTABLE LINES MUST COMPLY WITH GH.290.44



AIRVENT IN VALVE BOX

HOME LOW FIXTURE
STRUCTURE SKATING RINK 278 persons @ 8gpd-2224gpd.
4 DAYS PER WEEK usage 2224g. x 4days = 8896g. /7-1271g.
PARK (Without Bathhouse @ 8 per person)
PUMP TANK SHALL HAVE GREATER THAN
1271GALLONS RESERVE CAPACITY BETWEEN
"PUMP ON" AND "ALARM ON" LEVEL. 1/3 DAYS
FLOW HOLDING CAPACITY BETWEEN "ALARM
ON" LEVEL AND PUMP TANK INLET.

SYSTEM COMPONENTS BE OF AN APPROVED TYPE OR SPECIFY

DOSING TANKS: 1000g. Primary & Dosing tank. +
PRE-TREATMENT TANK 500 GALLONS
TREATMENT TANK 800 G. Nu Water B-800
PUMP TANK/ dosing 1000 GALLONS
ATU + PUMP TANK 1500gpd each
Dual pump (ON ALTERNATING BASIS) P-30 1 HORSEPOWER

WATER SUPPLY

PRIVATE water service & Line 40 PVC OR (SDR) 26

BUFFER REQUIREMENTS

TREATMENT UNIT TO

PRIVATE WATER WELL 50 FEET
PROPERTY LINES 5 FEET
WATER LINES 10 FEET
STRUCTURES 0 FEET

FIELD AREA TO

WATER WELLS 100 FEET
PROPERTY LINES 5 FEET
STRUCTURES NO SEPARATION

DESIGN PARAMETERS

Estimated daily flow 1271/day (Type IV Soil)
Loading Rate 0.10g/Sq.ft/day
Distribution line lenth Required 12,710/2ft.= 6,355ft.
Disposal line lenth proposed 8455 ft.

Emitter Spacing 2 ft.
Number of Emitters 4228
Total Sq. Ft. 16910 sq.ft
Spin filter 100 Micrometer
Distribution line spacing 2 ft.

CONTROL Settings: Total run time per day = (104min Total)
Runtime per dose = 13min.
Totalsystem dosing times per day = 8
Off time between doses in the same zone=1hrs
Volume of a single Dose = 158.9g.
Dosing volume per emmitter =0.18g.
Flow Rate per ZONE =9.6gpm
2-1" Relief valve at the high ends
No Run of pipe shall be more than 210 ft long.

K AND B TECH. (936) 293 1598

DAYTON SKATING RINK

1067 County Road 611

LIBERTY, TEXAS 77378

7/21/2025

PERMIT*

SEE ATTACHMENT: 'B' SYSTEM DESIGN