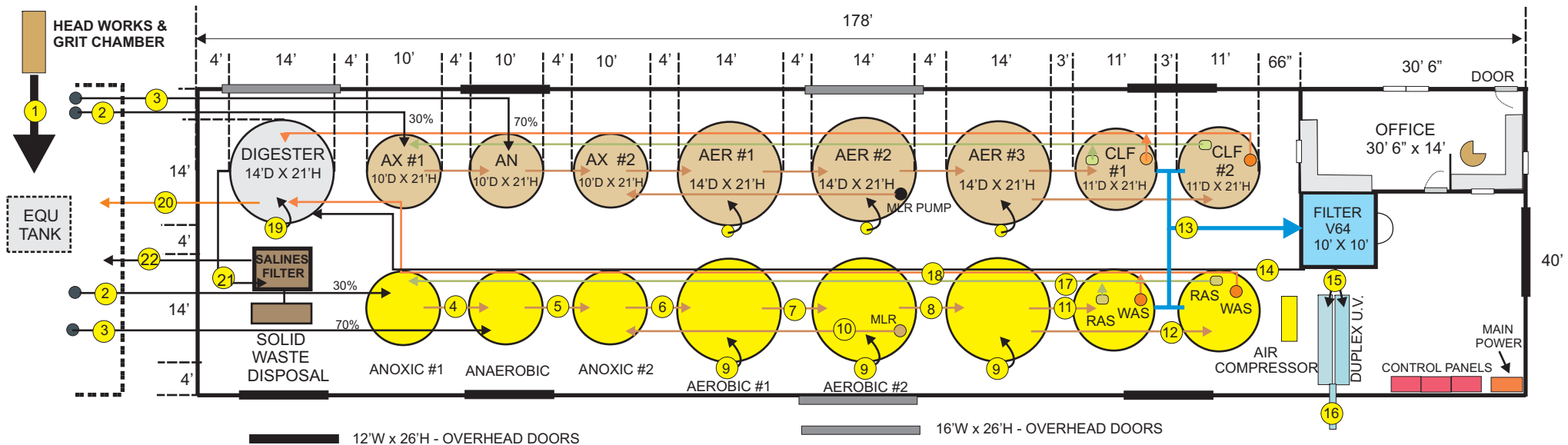


BIO-PURE WASTEWATER TREATMENT SYSTEM

250,000 U.S.GPD SYSTEM FOOTPRINT



- 1 INFLUENT TO EQUALIZATION (BEGINNING TP REDUCTION)
- 2 LSP-1 EQUALIZATION TO ANOXIC #1 (TN REDUCTION 5 MG/L)
- 3 LSP-2 EQUALIZATION TO ANAEROBIC
- 4 OVERFLOW TO ANAEROBIC (TP REDUCTION)
- 5 OVERFLOW TO ANOXIC #2 (BEGIN TN REDUCTION TO <5 MG/L)
- 6 OVERFLOW TO AERATION #1
- 7 OVERFLOW TO AERATION #2
- 8 OVERFLOW TO AERATION #3
- 9 AERATION (AIR INJECTION AND MIXING FOR BOD REDUCTION AND NITRIFICATION)
- 10 MLR AEROBIC TO ANOXIC #2 (TN REDUCTION <2MG/L)

- 11 OVERFLOW TO CLARIFIER #1
- 12 OVERFLOW TO CLARIFIER #2
- 13 SUPERNATANT TO FILTER
- 14 CONTINUOUS BACK WASH TO EQUALIZATION TANK
- 15 FILTERED EFFLUENT TO ULTRA VIOLET DISINFECTION
- 16 DISINFECTED EFFLUENT TO DISPOSAL
- 17 MIXED LIQUOR RETURN TO ANOXIC
- 18 RETURN WASTE SLUDGE TO DIGESTERS
- 19 DIGESTER (AIR INJECTION AND MIXING)
- 20 OVERFLOW FROM DIGESTER TO EQUALIZATION
- 21 WAS TO SALINES FILTER
- 22 SALINES LIQUID FLUID TO EQU TANK

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1" = 20'

BUILDING 40'W x 178' L' x 27' RFTR

7,120 SQ. FT.

INFFLUENT PARAMETER

CONSTITUENTS	Weekly Average
BOD ⁵	<300 mg/L
TSS	<300 mg/L
Ammonia	<24 mg/L
Total Nitrogen	<30 mg/L
TKN	<30 mg/L
Total Phosphorous	<8.0 mg/L

EFFLUENT PARAMETER

CONSTITUENTS	Weekly Average
BOD ⁵	<5 mg/L
TSS	<5 mg/L
Total Coliform	<2 MPN/100ml
Ammonia	<1 mg/L
Total Nitrogen	<2 mg/L
TKN	<1 mg/L
Total Phosphorous	<0.5 mg/L