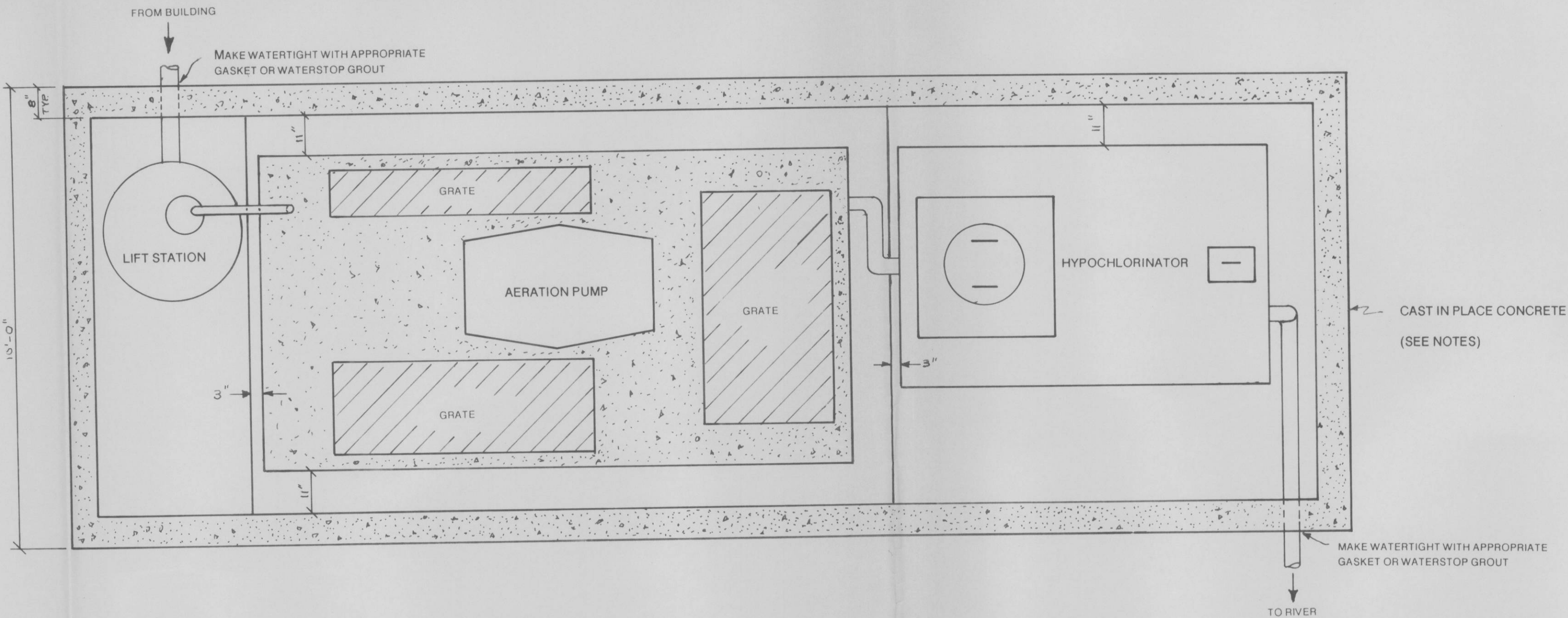
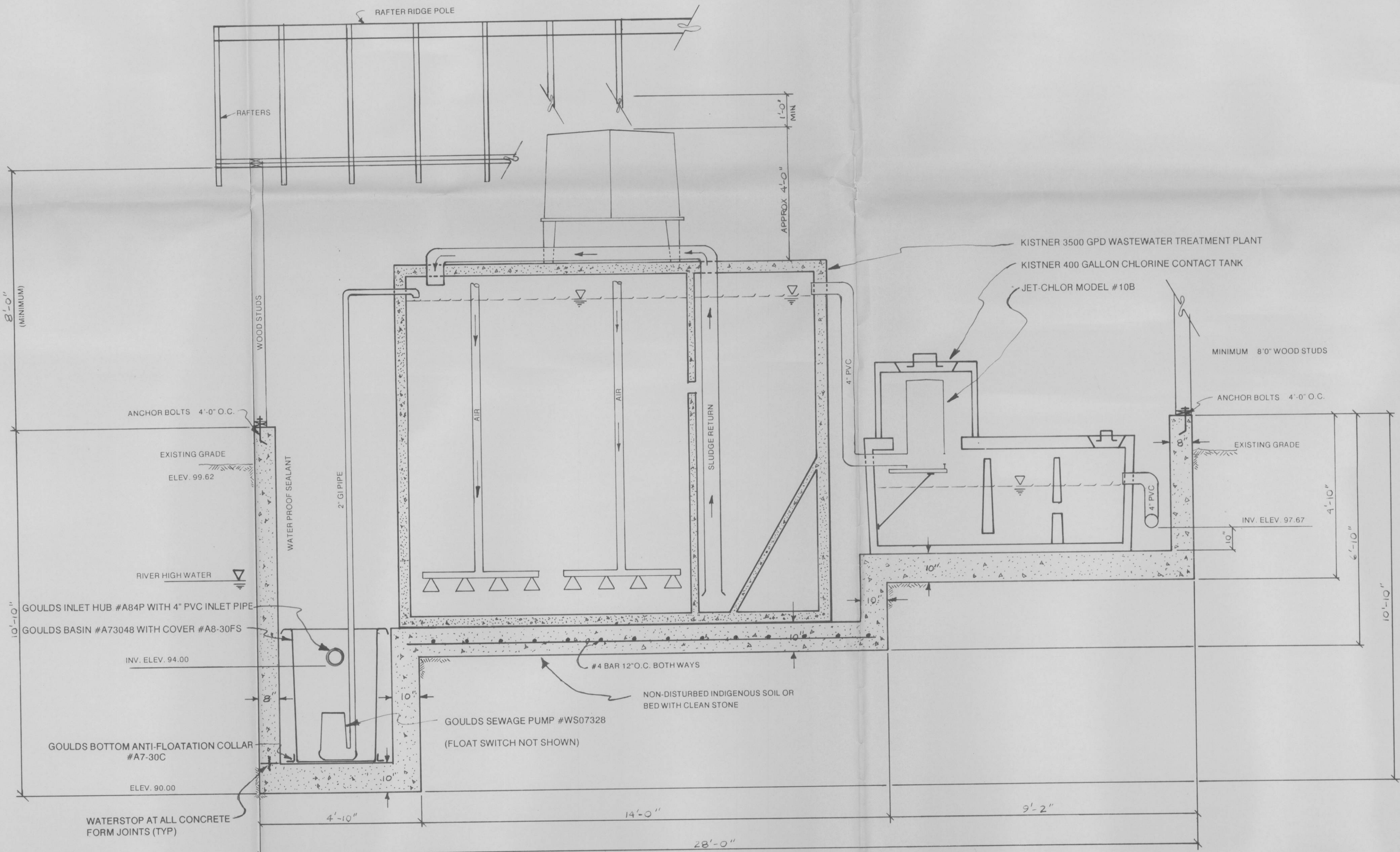


NOTES

1. CONCRETE SECONDARY CONTAINMENT VESSEL
- TO BE CAST-IN-PLACE FROM 4000 PSI CONCRETE. ALL FLOOR SECTIONS TO BE REINFORCED WITH 6 X 6 WWM, UNLESS OTHERWISE SPECIFIED.
- ALL JOINTS RESULTING FROM DISCONTINUOUS CASTING TO BE MADE WATERTIGHT BY PLACING RUBBER OR NEOPRENE EXTRUDED "WATERSTOP" IN CONCRETE AS NECESSARY.
2. ELECTRICAL REQUIREMENTS INCLUDE:
- A. A GENERAL 20 AMP - 115 V GFI DUPLEX OUTLET
- B. A 15 AMP - 115 V LIGHTING CIRCUIT
- C. A 2 HP, 230 VOLT AERATION PUMP
- D. A 3/4 HP, 230 VOLT SEWAGE PUMP
- ALL WIRING TO CONFORM WITH LOCAL REQUIREMENTS AND THE NEC.
3. DESIGN INFORMATION:
- A. OCCUPANCY MANUFACTURING - 100 PEOPLE
- B. HYDRAULIC LOAD - 35 GPD/PERSON = 3500 GPD
- C. BOD LOAD:
- INFLUENT BOD ASSUMED: 200 mg/L (.02% BY WEIGHT)
- DAILY BOD LOAD: (3500 GPD)(8.34)lb/gal(.0002) = 5.8 lb BOD MAXIMUM
- D. AERATION: THE SYSTEM SHALL BE CAPABLE OF DELIVERING 2800 CF AIR/lb BOD/DAY
- E. THE AERATION PLANT SHALL MEET NPDES EMISSION REQUIREMENTS OF THE NYSDEC AND ITS SPEDES PERMIT. AT A MINIMUM, THE PLANT SHALL PRODUCE EFFLUENT (AFTER 30 DAY START-UP) OF:
- i. 85% BOD REDUCTION
- ii. 80% SUSPENDED SOLIDS REDUCTION
- iii. 80% COD REDUCTION
4. MONITORING WELLS:
- CONTRACTOR TO EXERCISE DILIGENCE IN NOT DISTURBING OR DAMAGING MONITORING WELLS LOCATED NEAR THE SITE.



PLAN VIEW



SECTIONAL VIEW

Date	Description
REVISIONS	
	
IT IS A VIOLATION OF THE NYS EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING UNLESS ACTING UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. ANY ALTERATIONS MUST BEAR THE SEAL AND SIGNATURE OF THE LICENSED ENGINEER ALONG WITH A DESCRIPTION OF THE ALTERATION AND THE DATE EXECUTED.	
BUCK ENGINEERING AN ENVIRONMENTAL LABORATORY 100 TOMPKINS ST. • CORTLAND, N.Y. 13045	
PROPOSED WASTEWATER TREATMENT FACILITIES	
Gladding Braided Products, Inc DeRuyter Street South Otselic, New York 13155	
BY: MH, SET	DATE: 7/10/89
SCALE: 1" = 2'-0"	NO: 2