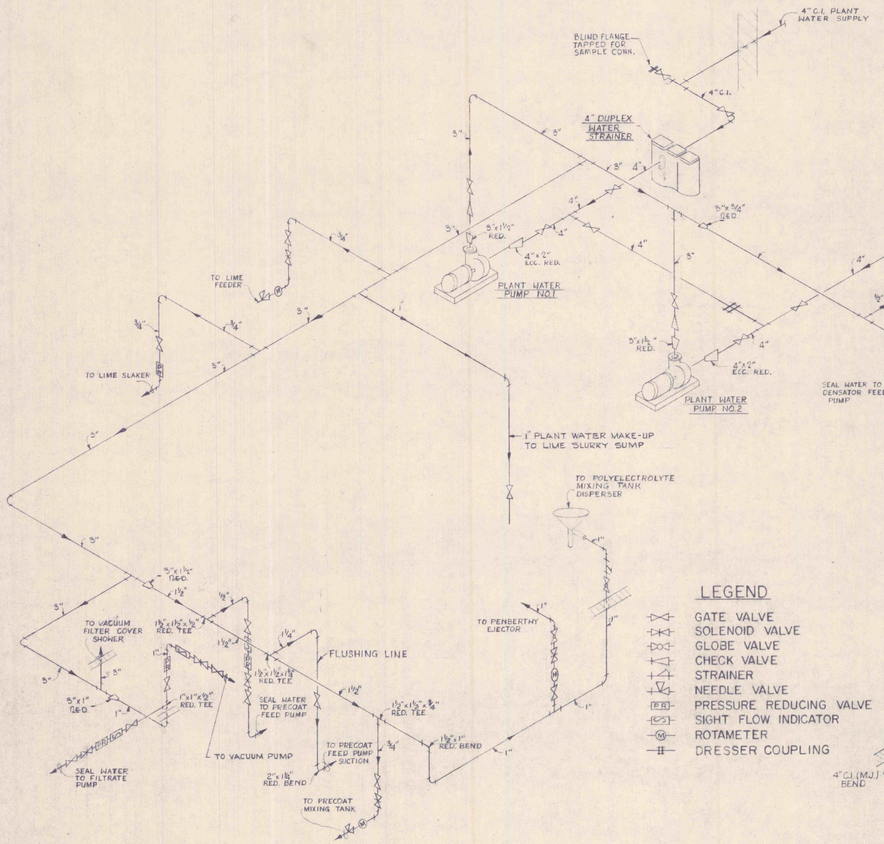


LEGEND

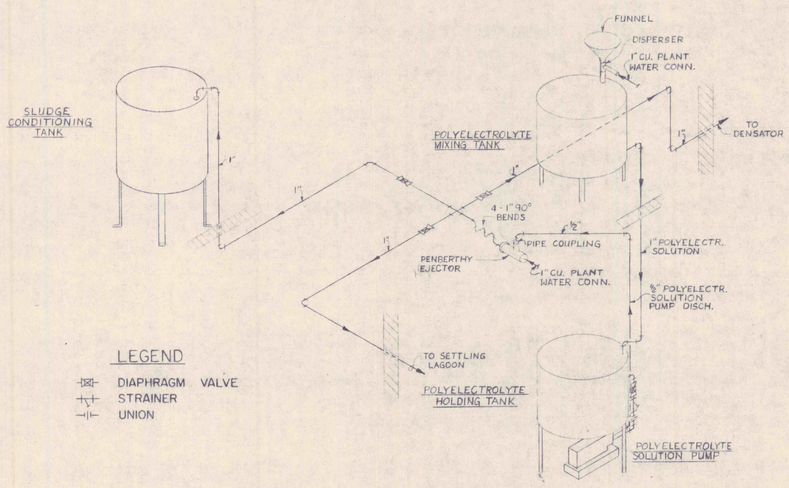
- GATE VALVE
- SOLENOID VALVE
- GLOBE VALVE
- CHECK VALVE
- STRAINER
- NEEDLE VALVE
- PRESSURE REDUCING VALVE
- SIGHT FLOW INDICATOR
- ROTAMETER
- DRESSER COUPLING

PLANT WATER SCHEMATIC

(ALL PIPING TO BE COPPER UNLESS OTHERWISE NOTED)

FLOW METERING SCHEMATIC

(ALL PIPING TO BE P.V.C.)

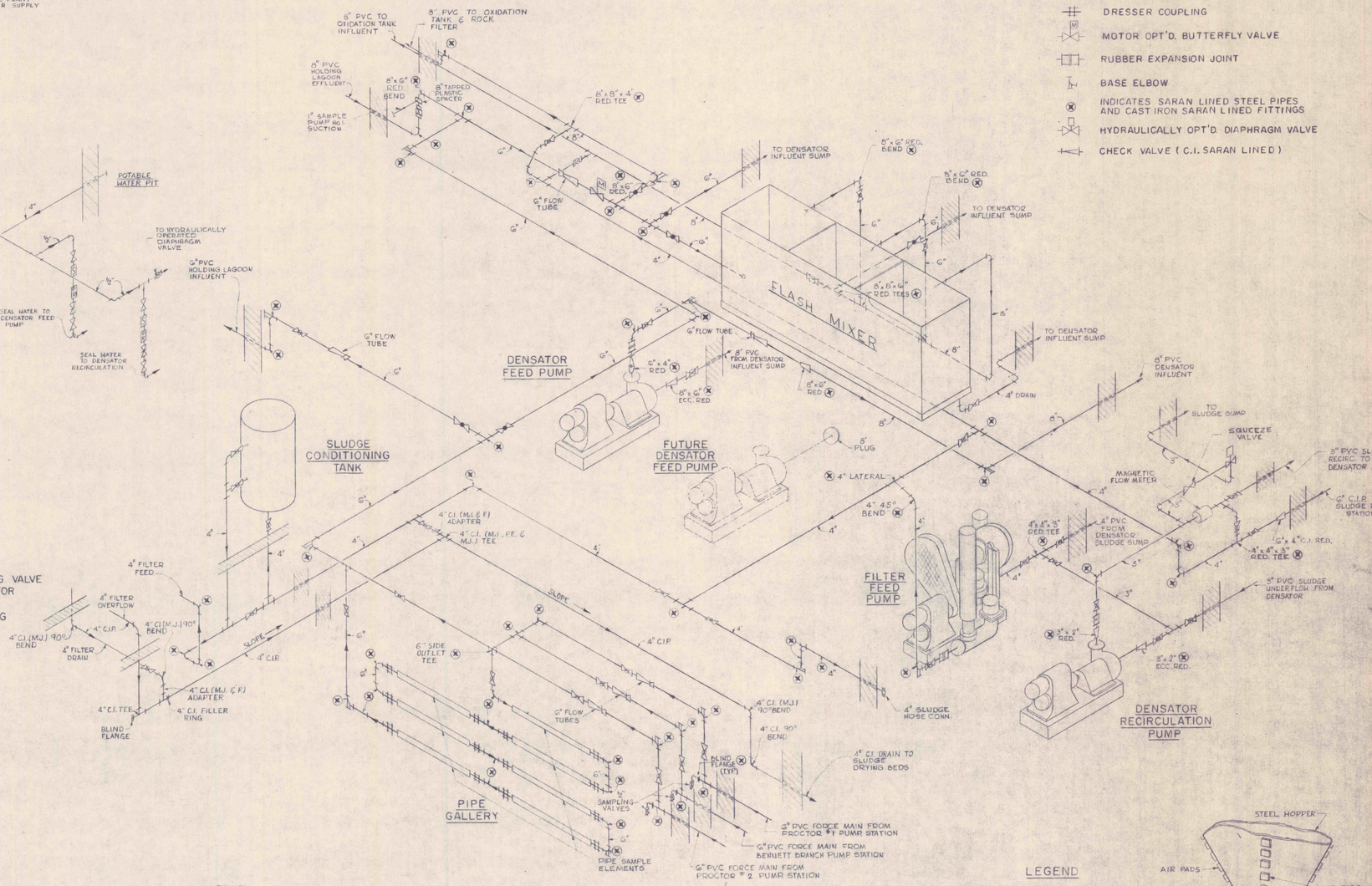


LEGEND

- DIAPHRAGM VALVE
- STRAINER
- UNION

POLYELECTROLYTE FEED SCHEMATIC

(ALL PIPING TO BE PVC UNLESS OTHERWISE NOTED)

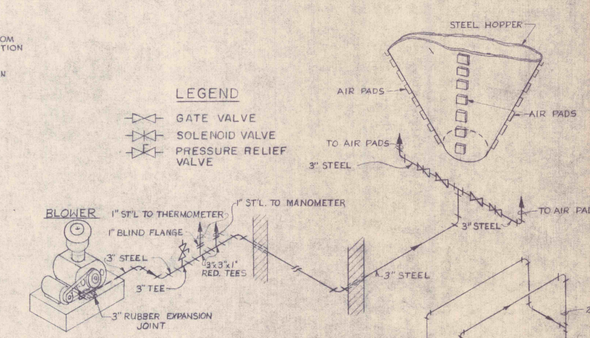


PROCESS PIPING SCHEMATIC

(ALL PIPING TO BE PVC UNLESS OTHERWISE NOTED)

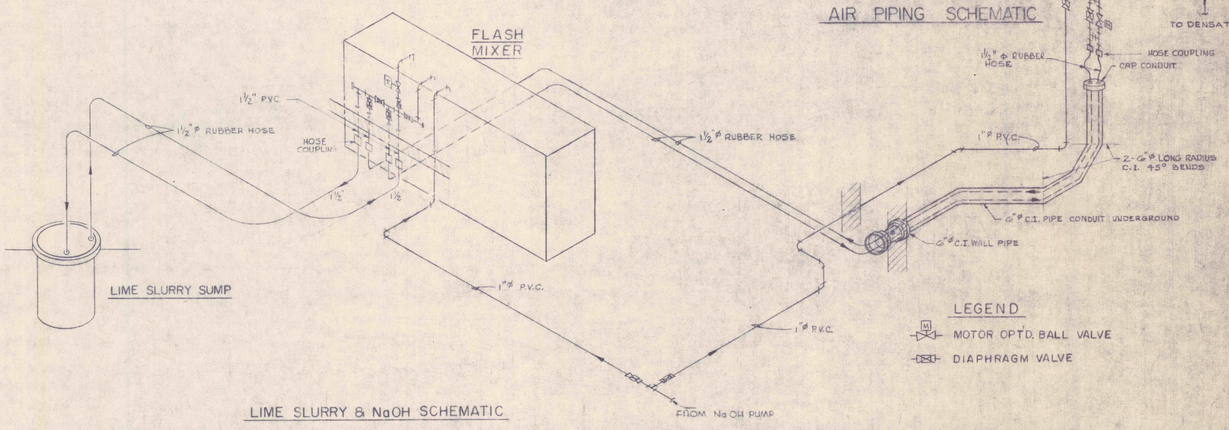
LEGEND

- PLUG VALVE (C.I. SARAN LINED)
- PLUG VALVE (C.I. SARAN LINED) TO FLOOR BOX
- DIAPHRAGM VALVE (C.I. SARAN LINED)
- DRESSER COUPLING
- MOTOR OPT'D. BUTTERFLY VALVE
- RUBBER EXPANSION JOINT
- BASE ELBOW
- INDICATES SARAN LINED STEEL PIPES AND CAST IRON SARAN LINED FITTINGS
- HYDRAULICALLY OPT'D. DIAPHRAGM VALVE
- CHECK VALVE (C.I. SARAN LINED)



LEGEND

- GATE VALVE
- SOLENOID VALVE
- PRESSURE RELIEF VALVE



LIME SLURRY & NaOH SCHEMATIC

LEGEND

- MOTOR OPT'D. BALL VALVE
- DIAPHRAGM VALVE

REVISIONS			
NO.	DESCRIPTION	DATE	BY

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL CECIL MALLORY PEPPERMAN ENGINEER No. 6790

DRAWN	S.J.S.
TRACED	J.H.M.
CHECKED	C.K.M.
APPROVED	G.G.B.
APPROVED	

GANNETT FLEMING CORDDRY & CARPENTER, INC.
ENGINEERS
600 N. SECOND ST. HARRISBURG, PENNA.

JOB No. 4590
SCALE AS SHOWN
DATE JUNE 1967

THE PENNSYLVANIA STATE UNIVERSITY
CONSTRUCTION OF
A MINE DRAINAGE TREATMENT PLANT
HUSTON TOWNSHIP, CLEARFIELD CO., PA.

SCHEMATIC DIAGRAMS

SHEET No. 19
DRAWING No. I-17528