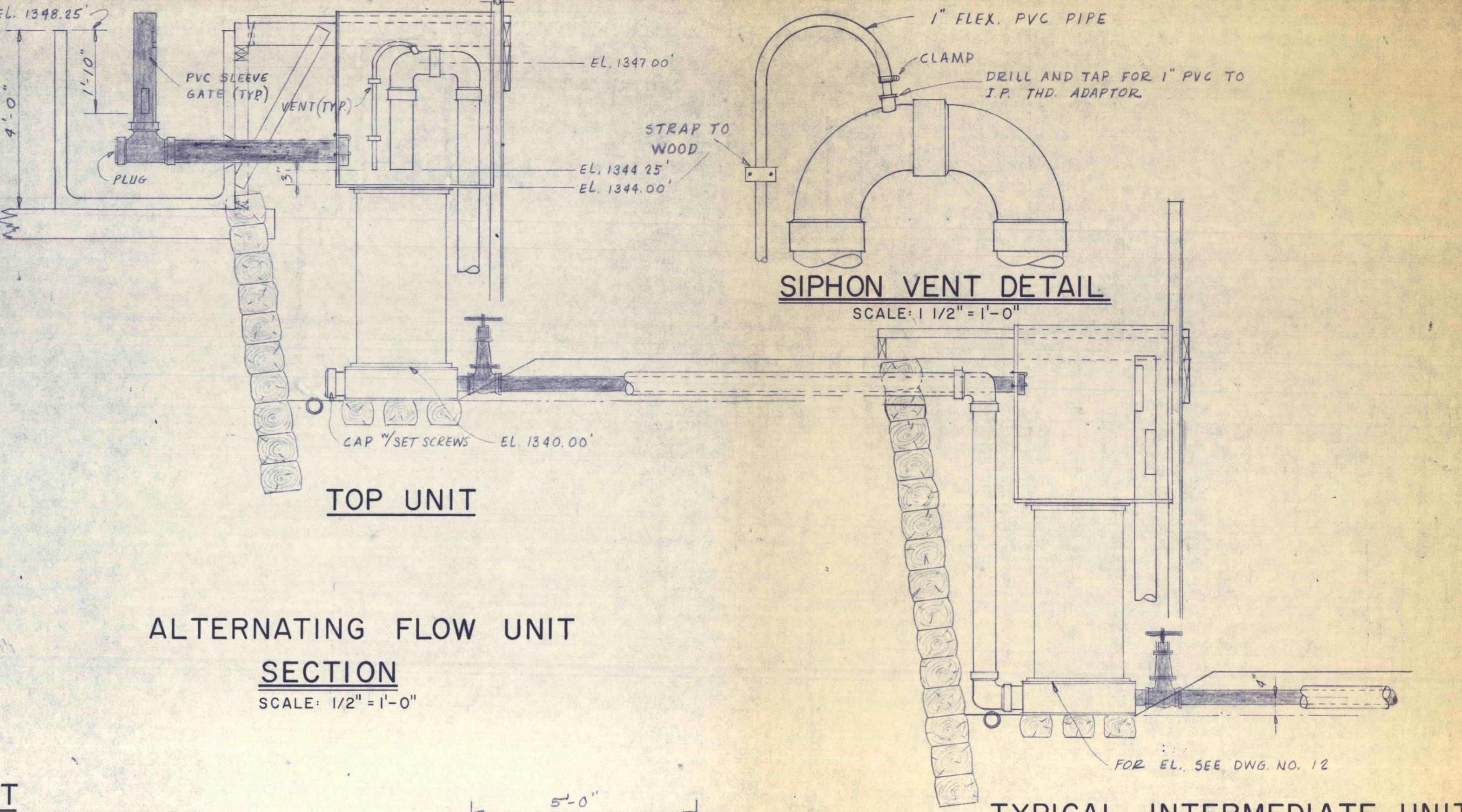
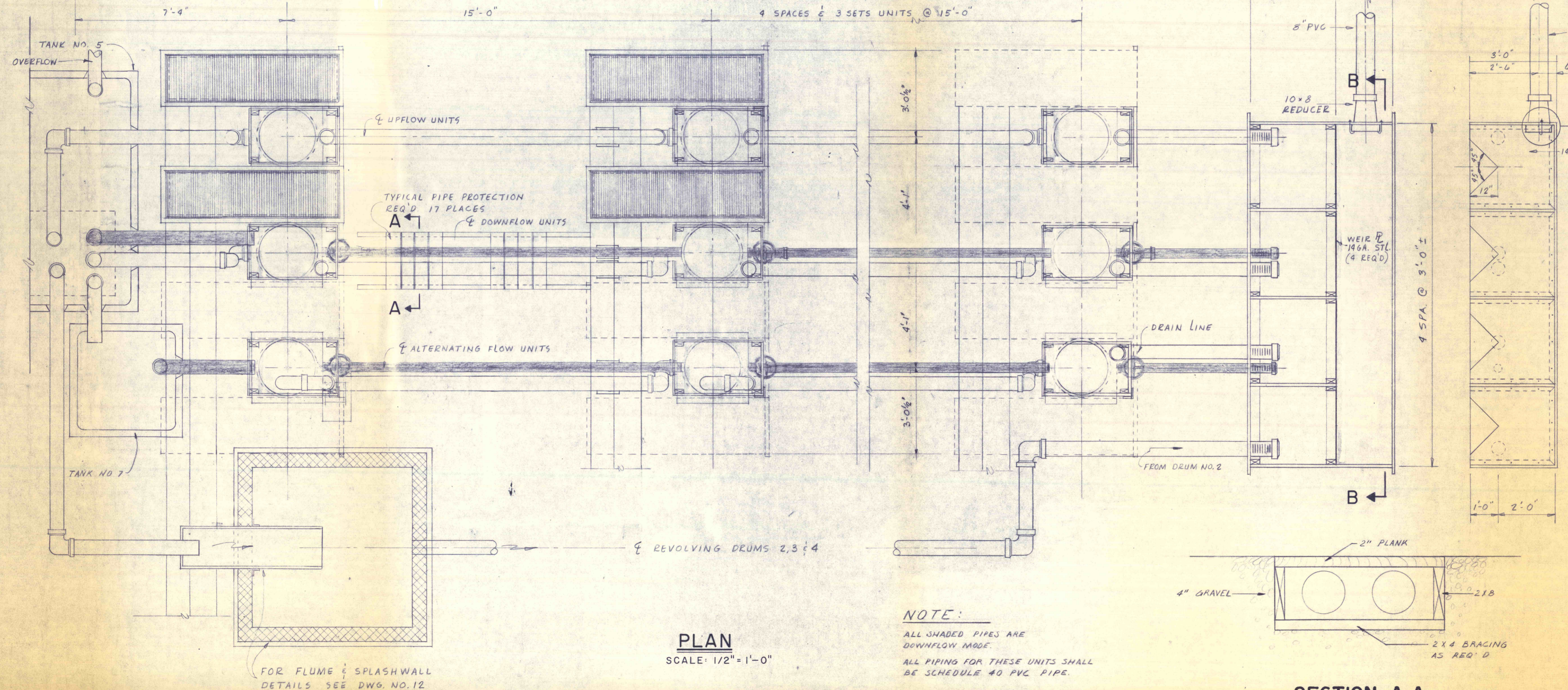


UPFLOW - DOWNFLOW UNITS SECTION
SCALE: 1/2" = 1'-0"



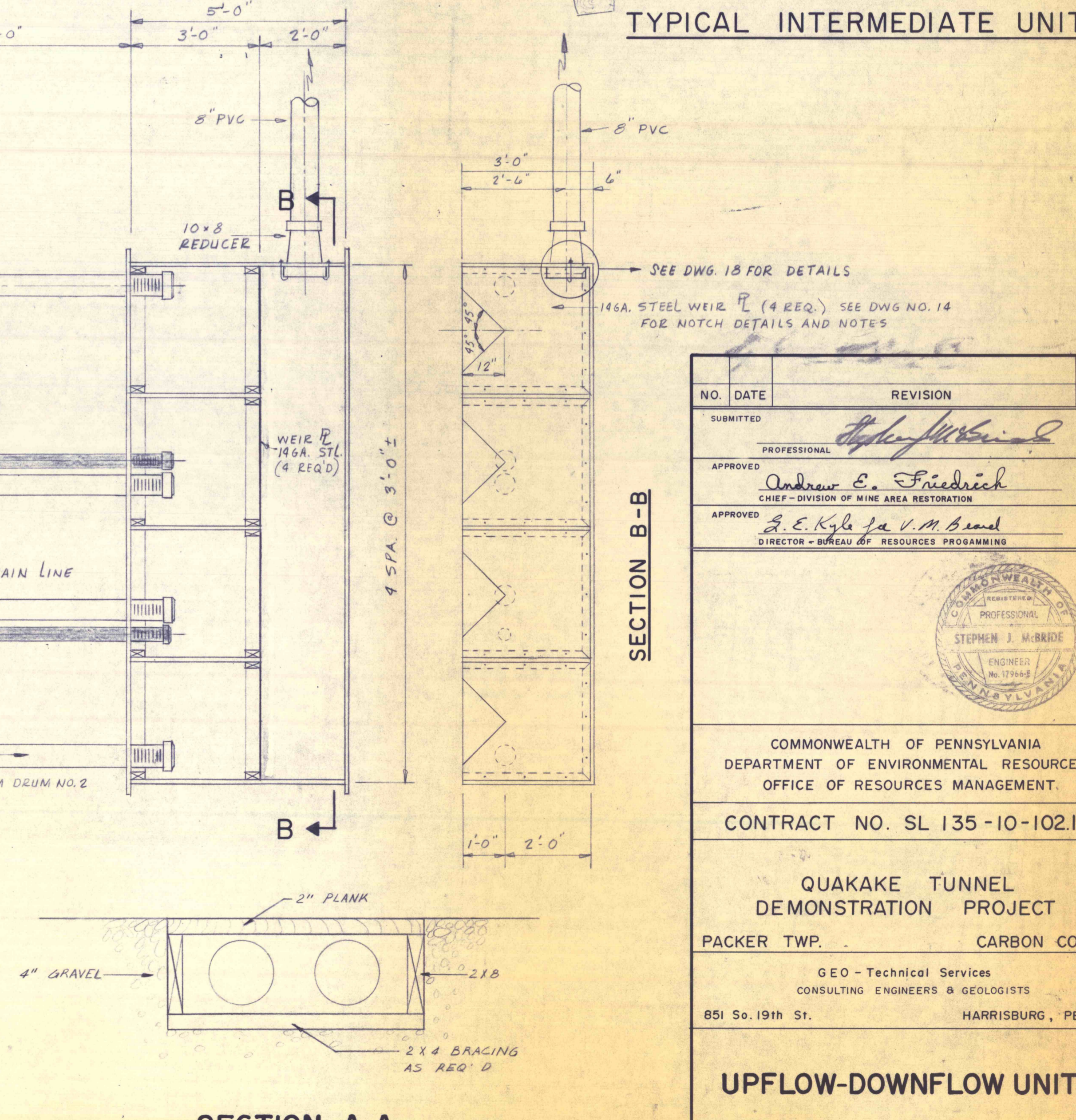
ALTERNATING FLOW UNIT SECTION
SCALE: 1/2" = 1'-0"

SIPHON VENT DETAIL
SCALE: 1 1/2" = 1'-0"



PLAN
SCALE: 1/2" = 1'-0"

NOTE:
ALL SHADED PIPES ARE DOWNFLOW MODE.
ALL PIPING FOR THESE UNITS SHALL BE SCHEDULE 40 PVC PIPE.



SECTION A-A
SCALE: 1 1/2" = 1'-0"

TYPICAL INTERMEDIATE UNIT

SECTION B-B

NO.	DATE	REVISION	APPR.
SUBMITTED			
PROFESSIONAL <i>Stephen J. McBride</i>			
APPROVED <i>Andrew E. Friedrich</i> CHIEF - DIVISION OF MINE AREA RESTORATION			
APPROVED <i>G. E. Kyle for V. M. Brand</i> DIRECTOR - BUREAU OF RESOURCES PROGRAMMING			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES OFFICE OF RESOURCES MANAGEMENT			
CONTRACT NO. SL 135-10-102.1			
QUAKAKE TUNNEL DEMONSTRATION PROJECT PACKER TWP. CARBON CO., PA.			
GEO - Technical Services CONSULTING ENGINEERS & GEOLOGISTS 851 So. 19th St. HARRISBURG, PENNA.			
UPFLOW-DOWNFLOW UNITS			
DRAWN BY	DATE	DRAWING NO.	
G.M.	MAY 1977		
CHECKED BY	SCALE		
S.J.M.	AS SHOWN		