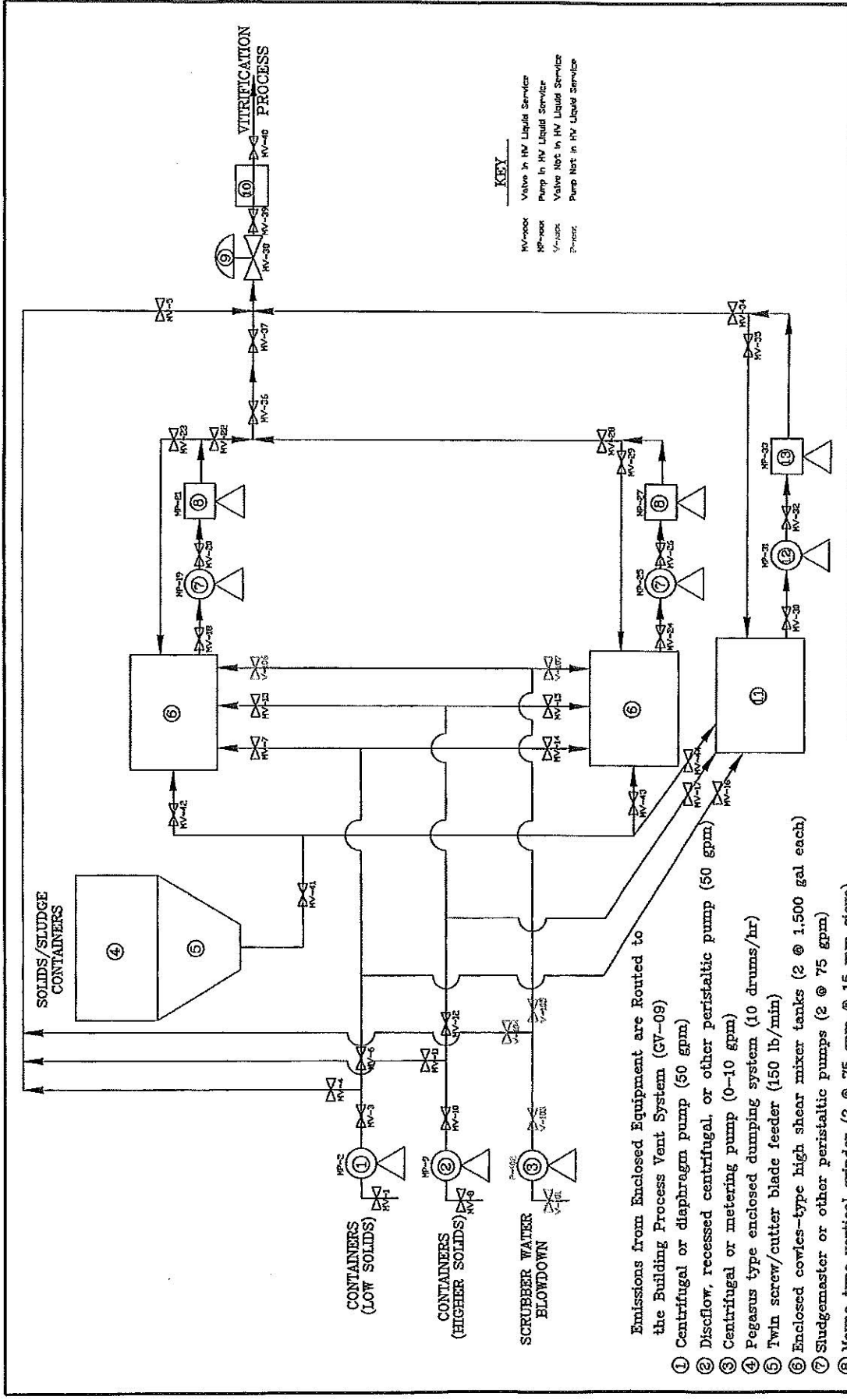


**APPENDIX B**  
**TANK SYSTEM DRAWINGS**



**KEY**

- MV-xxx Valve in HV Liquid Service
- MP-xxx Pump in HV Liquid Service
- V-xxx Valve Not in HV Liquid Service
- P-xxx Pump Not in HV Liquid Service

- Emissions from Enclosed Equipment are Routed to the Building Process Vent System (GV-09)
- ① Centrifugal or diaphragm pump (50 gpm)
  - ② Discflow, recessed centrifugal, or other peristaltic pump (50 gpm)
  - ③ Centrifugal or metering pump (0-10 gpm)
  - ④ Pegasus type enclosed dumping system (10 drums/hr)
  - ⑤ Twin screw/cutter blade feeder (150 lb/min)
  - ⑥ Enclosed cowles-type high shear mixer tanks (2 @ 1,500 gal each)
  - ⑦ Sludgemaster or other peristaltic pumps (2 @ 75 gpm)
  - ⑧ Moyno type vertical grinder (2 @ 75 gpm @ 15 mm sieve)
  - ⑨ Control valve system (350 lb/hr or ~35 gph)
  - ⑩ Dopler flow meter (0-500 lb/hr)
  - ⑪ Enclosed cowles-type high shear mixer tank (200 gal)
  - ⑫ Sludgemaster or other peristaltic pump (10 gpm)
  - ⑬ Moyno type vertical grinder (10 gpm @ 15 mm sieve)

SUBPART BB EQUIPMENT FOR VITRIFICATION SYSTEM PERMA-FIX NORTHWEST RICHLAND, INC. RICHLAND, WASHINGTON		APPROX SCALE:	NONE
		REVISION #	0
CHECKED BY:	DATE DRAWN:	PROJECT #:	
GBG	02-27-09	PFINW070116	
BAH			ENVIRONMENTAL ENGINEERS
<b>SCHREIBER &amp; YONLEY ASSOCIATES</b>			