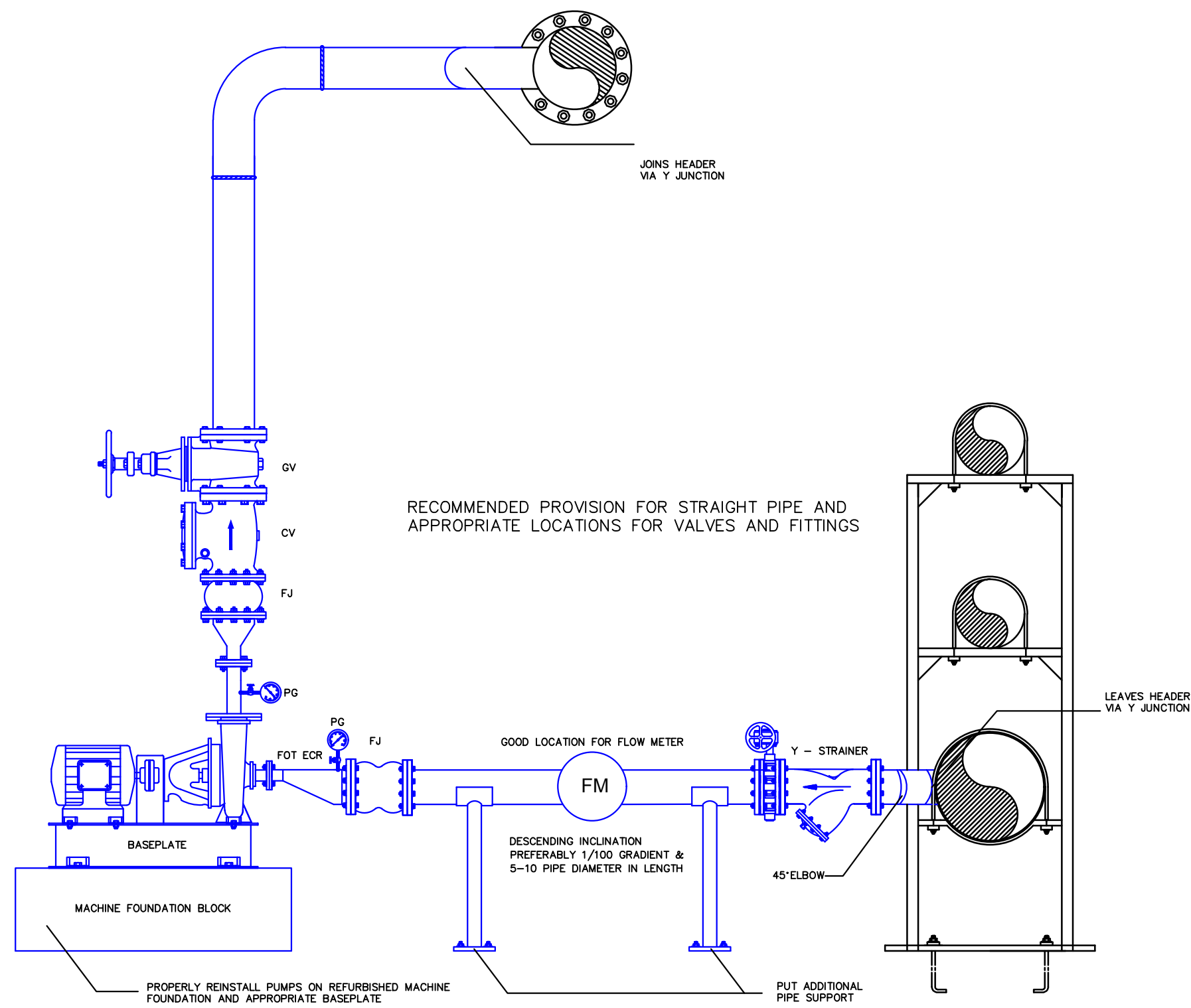
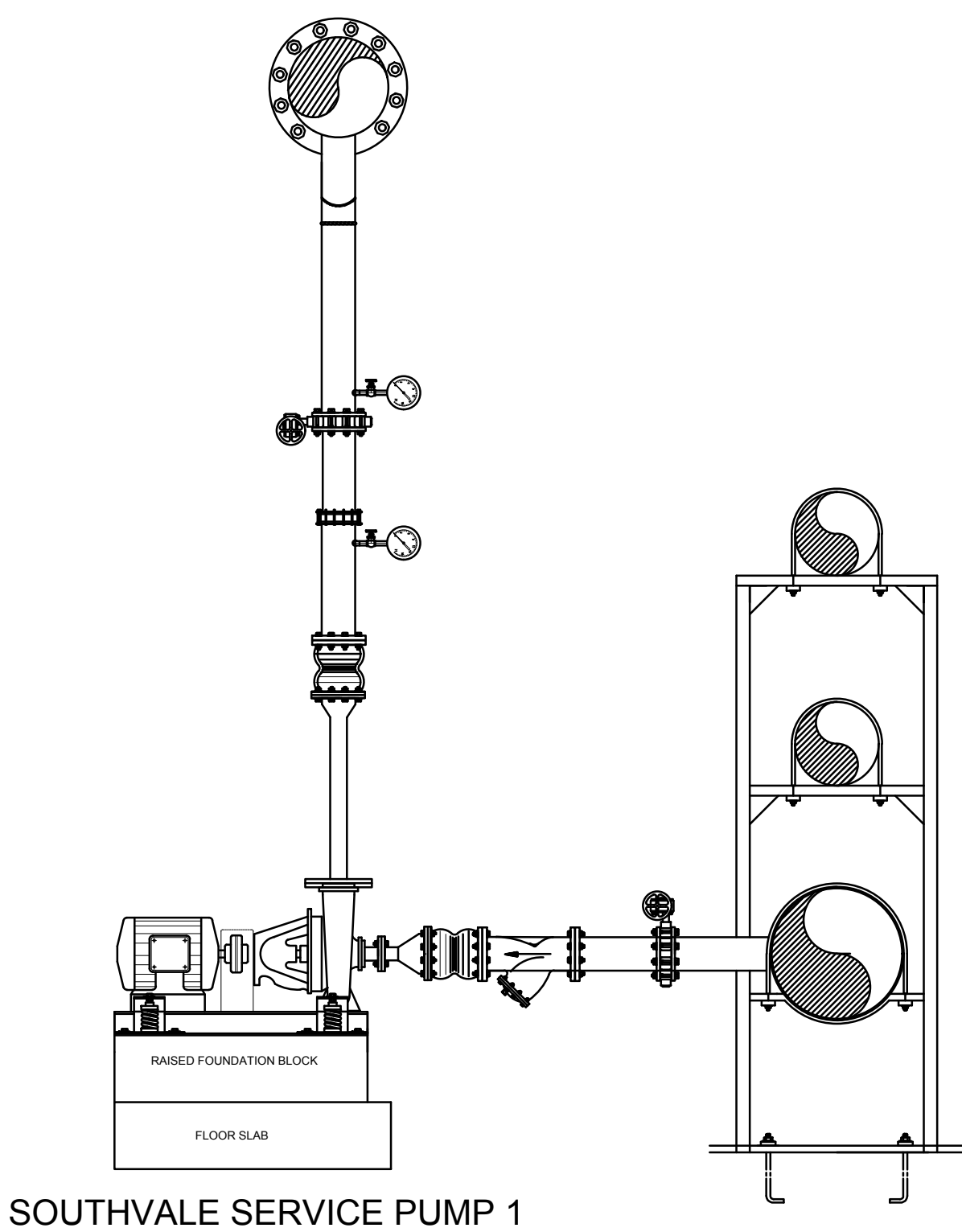
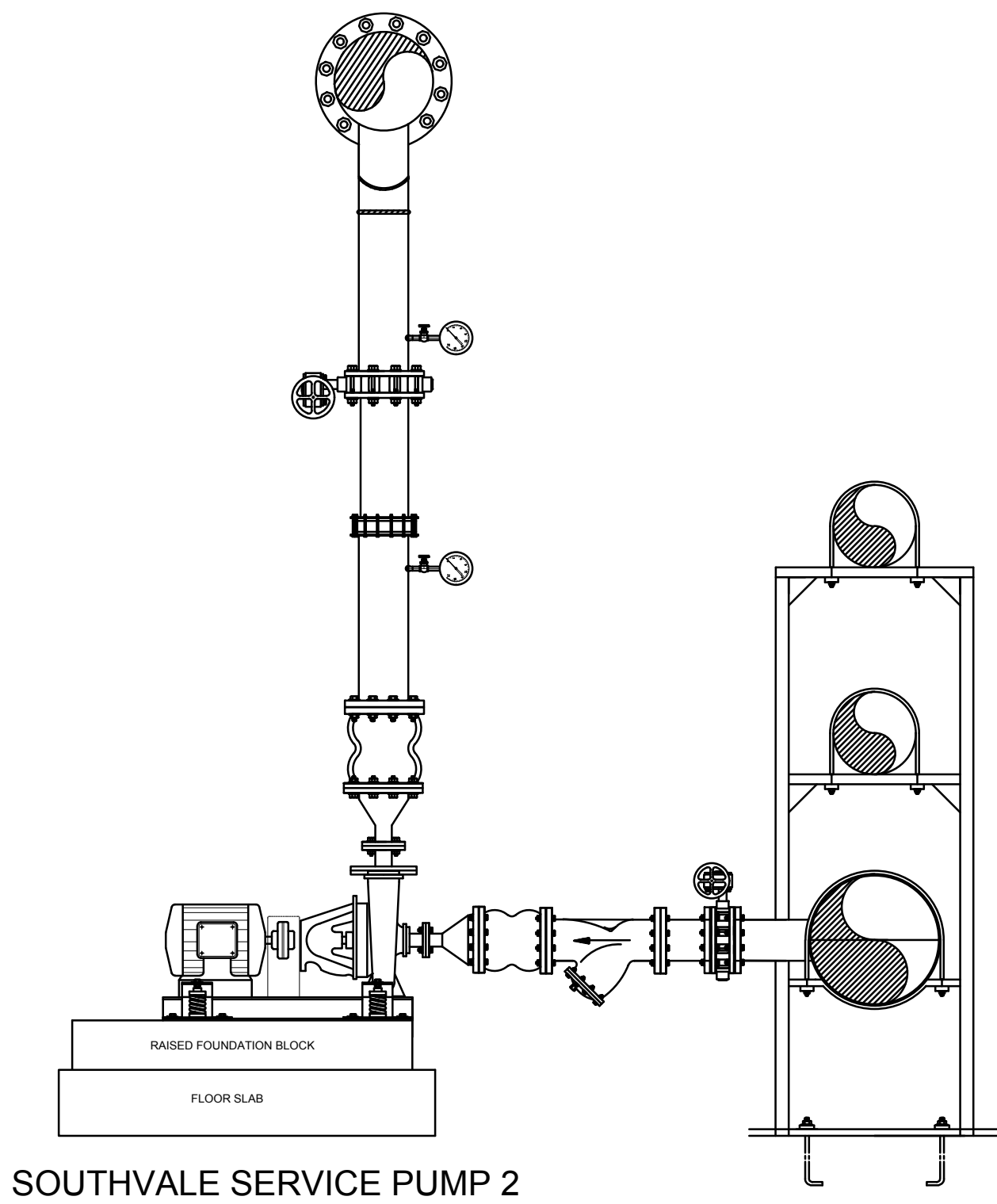




- CONCEPTUAL DESIGN NOTES:
1. RECONDITION PUMPS AS PER RECOMMENDATIONS OF AUDIT REPORT.
  2. PIPING AND FITTINGS
    - 2.1. PROVISION FOR STRAIGHT PIPE TO IMPROVE FLOW DEVELOPMENT AND USE OF FLOW METER; FOLLOWS CORRESPONDING PIPE SUPPORTS
    - 2.2. CONSISTENT PIPING AND VALVE LOCATION
    - 2.3. CONCENTRIC REDUCER TO ECCENTRIC FOT REDUCER.
    - 2.4. REMOVE REDUNDANCY BETWEEN STC AND FJ
    - 2.5. CONSTRUCT IDENTICAL PIPING
  3. PUMP MOUNTING AND FOUNDATION REHAB
    - 3.1. RAISED FOUNDATION BLOCK AND BASE PLATE FOR MACHINE MOUNTING
  4. CONDITION MONITORING DEVICES (SCHEMATIC)
    - 4.1. FLOW METERS
    - 4.2. PRESSURE GAUGES/TRANSDUCER
    - 4.3. VIBRATION METERS
    - 4.4. POWER SUPPLY MONITORING (SS)
    - 4.5. MOTOR TEMP SENSOR/TRANSDUCER
    - 4.6. TOTAL SYSTEM INTEGRATION
  5. INSTALLATION OF ADDITIONAL PUMP (15HP)
  6. REMOVE OBSTRUCTIONS AROUND GENSET (TREES, DUMPS, ETC) OTHERWISE RELOCATE GENSET TO MORE OPEN AREA



 CONFORME: _____ HEAD, Division (End User)		 CONFORME: _____ HEAD, Department (End User)		<div><div>A</div><div>ME</div></div> <b>APPROPRIATE LOCATIONS FOR VALVES AND FITTINGS</b> <div>SCALE</div> <div>NTS</div>			
DRAWN	SURVEYED	DESIGNED	CHECKED	Checked & Certified : ROSENDO B. SANCHEZ, PME PROFESSIONAL MECHANICAL ENGINEER			
DRAW	SURVEYED	DESIGNED	CHECKED	PROFESSION : PME      PTR : 7341148 REGISTRATION NO. : 3999      DATE ISSUED : 01-07-2019 TIN : 205-811-966      PLACE ISSUED : MAKATI_CITY			
REVISION				Approved : NAM LE Project Manager			
REV	DATE	BY	APPROVED BY	RBS DESIGN UNIT RBS DESIGN SECTION			
				ROSENDO B. SANCHEZ, PME HEAD, Engineering			
				<b>CONTRACT DRAWING</b> PROJECT TITLE: CONSULTANCY SERVICES FOR THE PLANT AUDIT IN VARIOUS PUMP STATIONS AND RESERVOIRS LOCATION: AYALA SOUTHVALE PUMP STATION AND RESERVOIR SHEET CONTENT: PIPE SYSTEM MODIFICATION FOR SOUTHVALE LINES SCALE: NTS      CONTRACT NO. OP18REFCS03-AYA-MECH-003      SHEET NO. 1 OF 1      REV. A			