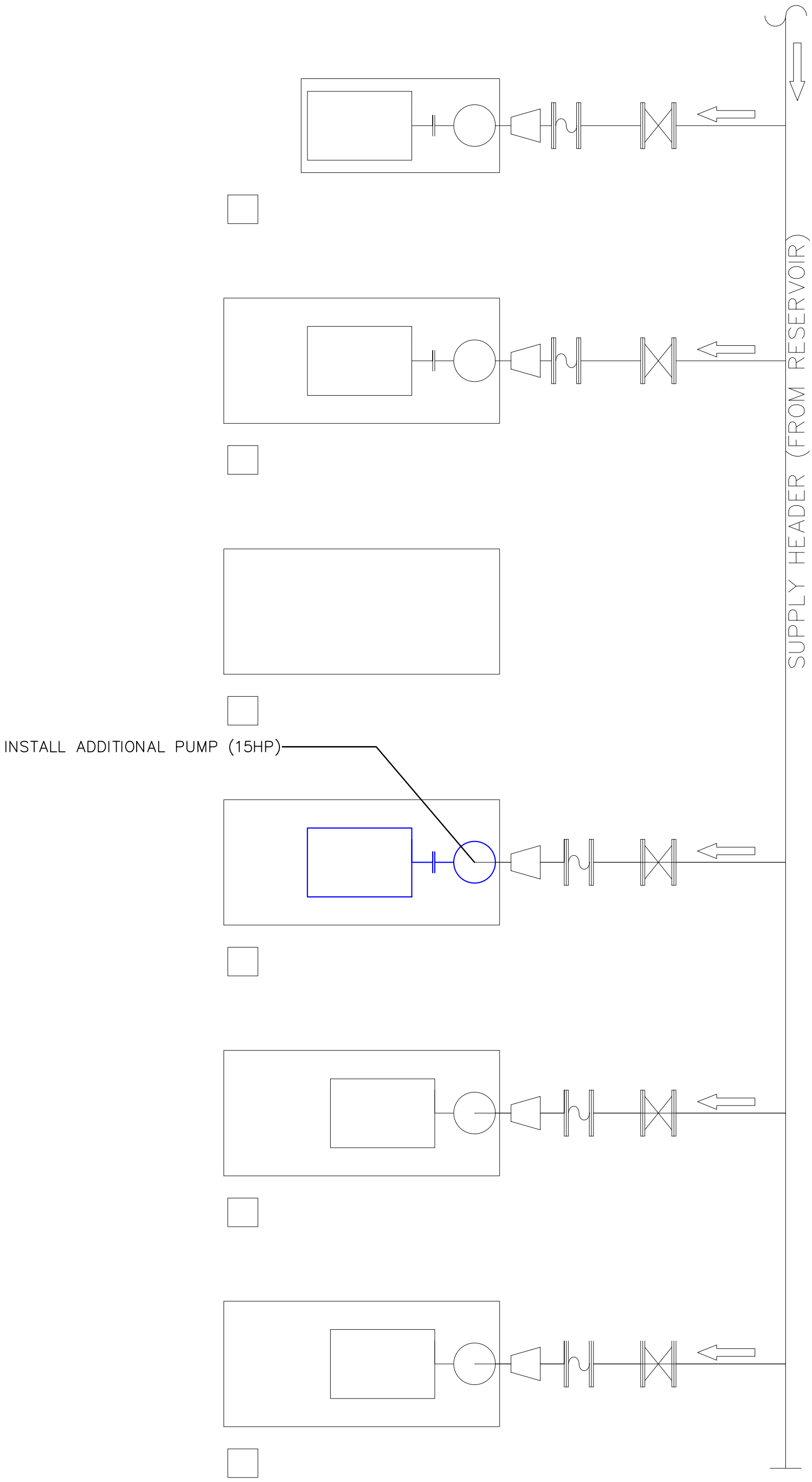





- CONCEPTUAL DESIGN NOTES:
1. RECONDITION PUMPS AS PER RECOMMENDATIONS OF AUDIT REPORT.
  2. PIPING AND FITTINGS
    - 2.1. PROVISION FOR STRAIGHT PIPE TO IMPROVE FLOW DEVELOPMENT AND USE OF FLOW METER; FOLLOWS CORRESPONDING PIPE SUPPORTS
    - 2.2. CONSISTENT PIPING AND VALVE LOCATION
    - 2.3. CONCENTRIC 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



<div> Maynilad</div> <div>CONFORME:</div> <div>_____ HEAD, Division (End User)</div>				<div><div> Maynilad</div><div>CONFORME:</div><div>_____ HEAD, Department (End User)</div></div>				<div><div><div>A</div><div>ME</div></div><div>INSTALLATION LOCATION OF SPARE PUMP</div><div>SCALENTS</div></div>									
DRAWN		SURVEYED		DESIGNED		CHECKED		Checked & Certified : ROSENDO B. SANCHEZ, PME PROFESSIONAL MECHANICAL ENGINEER									
DRAW		SURVEYED		DESIGNED		CHECKED		<div><div><div>11/F Alphaland Southgate Tower 2258 Chino Roces Ave corner EDSA Makati City 1232 Philippines T 63 2 479 5600 F 63 2 479 5601 E mnlmail@ghd.com W www.ghd.com</div></div><div>Approved :  _____ NAM LE Project Manager</div></div>									
REVISION								PROFESSION : PME		PTR : 7341148		RBS DESIGN UNIT  RBS DESIGN SECTION  _____ ROSENDO B. SANCHEZ, PME HEAD, Engineering					
REV		DATE		BY		APPROVED BY		REGISTRATION NO. : 3999		DATE ISSUED : 01-07-2019							
								TIN : 205-811-966		PLACE ISSUED : MAKATI_CITY							
CONTRACT DRAWING																	
PROJECT TITLE:				CONSULTANCY SERVICES FOR THE PLANT AUDIT IN VARIOUS PUMP STATIONS AND RESERVOIRS													
LOCATION:				AYALA SOUTHVALE PUMP STATION AND RESERVOIR													
SHEET CONTENT:				INSTALL SPARE PUMP FOR SONERA													
SCALE: NTS		CONTRACT NO. OP18REFCS03-AYA-MECH-004				SHEET NO. 1 OF 1		REV. A									