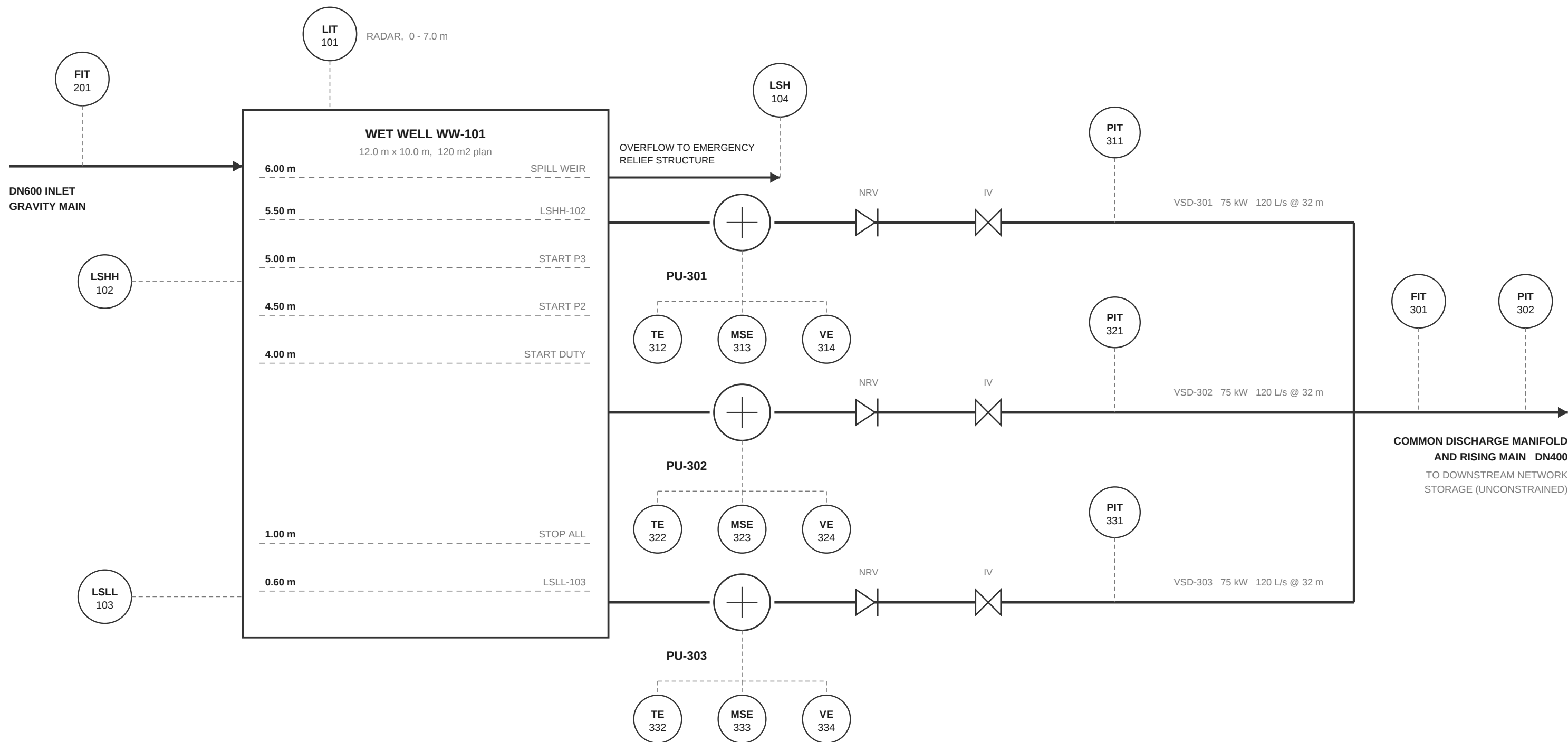




NOTES

- All instrument signals hardwired to PLC-001 unless noted otherwise.
- Levels shown are metres above wet well floor (local datum, floor = 0.00 m).
- LSHH-102 and LSLL-103 are hardwired to the VSD safety circuit, independent of the PLC level control loop.
- All three pumps are variable speed. No fixed speed or DOL starters.
- Downstream storage assumed unconstrained for this revision. Network level feedback is not implemented and is not required to be.
- Duty selection, run hour rotation and start / stop sequencing are defined in the Functional Design Specification, not on this drawing.
- Refer WRPS-INS-001 for instruments not shown on this drawing.

LEGEND

	Field mounted instrument (function letters / loop number)		Swing check valve
	Centrifugal pump, submersible		Manual isolation valve
			Process line
			Instrument signal

SCADA++ DEMONSTRATION ENVIRONMENT

Operator decision support - process control reference set

ISSUED FOR DEMONSTRATION

WATERLOO ROAD PUMP STATION

PIPING & INSTRUMENTATION DIAGRAM

DRAWING No. WRPS-DRG-001

REV A

SIZE A3

SCALE NTS

DRAWN
C. HUANG

CHECKED
-

APPROVED
-

DATE
11 AUG 2026