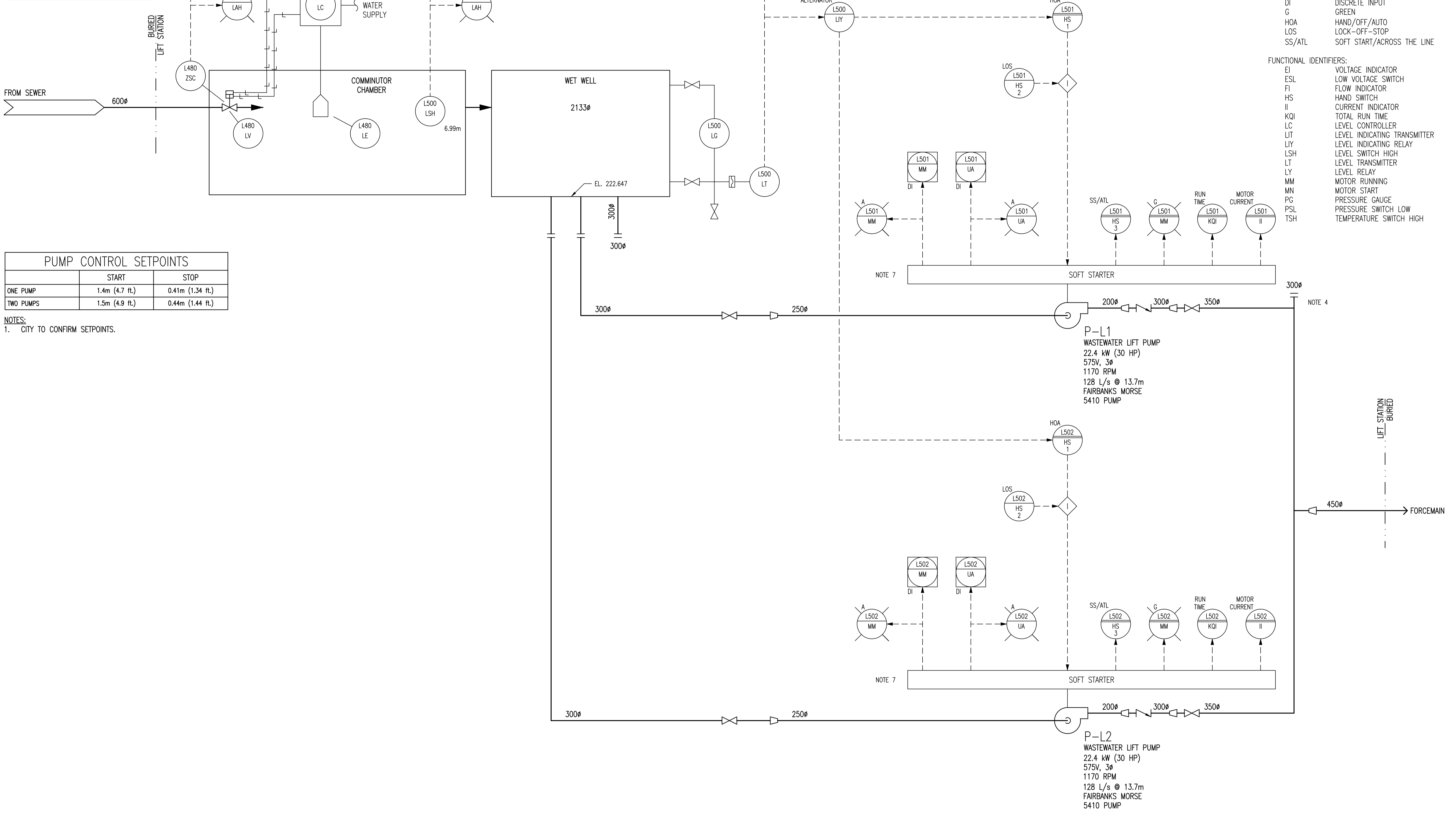


KEY ELEVATIONS:	NOTES
WET WELL BOTTOM	224.72m SEE NOTE 5
FORCEMAIN	229.87m SEE NOTE 5
DRY WELL FLOOR	224.479m



LEGEND:

DEVICE DESCRIPTORS:

- A AMBER
- AI ANALOG INPUT
- DI DISCRETE INPUT
- G GREEN
- HOA HAND/OFF/AUTO
- LOS LOCK-OFF-STOP
- SS/ATL SOFT START/ACROSS THE LINE

FUNCTIONAL IDENTIFIERS:

- EI VOLTAGE INDICATOR
- ESL LOW VOLTAGE SWITCH
- FI FLOW INDICATOR
- HS HAND SWITCH
- II CURRENT INDICATOR
- KQI TOTAL RUN TIME
- LC LEVEL CONTROLLER
- LIT LEVEL INDICATING TRANSMITTER
- LIY LEVEL INDICATING RELAY
- LSH LEVEL SWITCH HIGH
- LT LEVEL TRANSMITTER
- LY LEVEL RELAY
- MM MOTOR RUNNING
- MN MOTOR START
- PG PRESSURE GAUGE
- PSL PRESSURE SWITCH LOW
- TSH TEMPERATURE SWITCH HIGH

PUMP CONTROL SETPOINTS

	START	STOP
ONE PUMP	1.4m (4.7 ft.)	0.41m (1.34 ft.)
TWO PUMPS	1.5m (4.9 ft.)	0.44m (1.44 ft.)

NOTES:
1. CITY TO CONFIRM SETPOINTS.

- NOTES:**
- ALL INSTRUMENT IDENTIFIERS HAVE AN OPTIONAL PREFIX OF "OLI-".
EXAMPLE: OLI-L501-HS-1
 - ALL INSTRUMENTS SHOWN IN AN AUXILIARY LOCATION ARE IN THE CORRESPONDING SOFT STARTER PANEL, UNLESS INDICATED OTHERWISE.
 - INLET GATE VALVE CONTROLLER IS DISCONNECTED DURING LOW FLOW CONDITIONS.
 - PIPE PATCH INSTALLED PREVIOUSLY TO PREVENT LEAKING.
 - ELEVATION NOT CONFIRMED BY SURVEYOR.
 - PIPING MATERIALS AND GRADES ARE TO BE CONFIRMED.
 - MOTORS ARE LOCATED ON FLOOR ABOVE PUMPS.
 - THIS DRAWING IS BASED ON LIMITED AVAILABLE DOCUMENTATION AND VISUAL SITE INVESTIGATIONS. ELECTRICAL CONTROL SCHEMATICS WERE NOT AVAILABLE AND THUS SOME OF THE CONTROLS ARE ASSUMED.



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CITY USE	2012/01/31	TMC	

<p>SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080</p>		<p>ENGINEER'S SEAL</p>
DESIGNED BY: EXISTING	CHECKED BY: T. CHURCH	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p>
DRAWN BY: S. FUNK	APPROVED BY: C. REIMER	
SCALE: NTS	RELEASED FOR CONSTRUCTION BY: DATE:	<p>OLIVE WASTEWATER PUMPING STATION PUMPING STATION CONDITION ASSESSMENT PHASE 1 PROCESS & INSTRUMENTATION DIAGRAM WASTEWATER PUMPING</p>
DATE: 2011/02/14	DATE:	
CONSULTANT NO.:		<p>CITY DRAWING NUMBER 1-0169L-P0001</p>

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0169L-P0001	001	00	A1