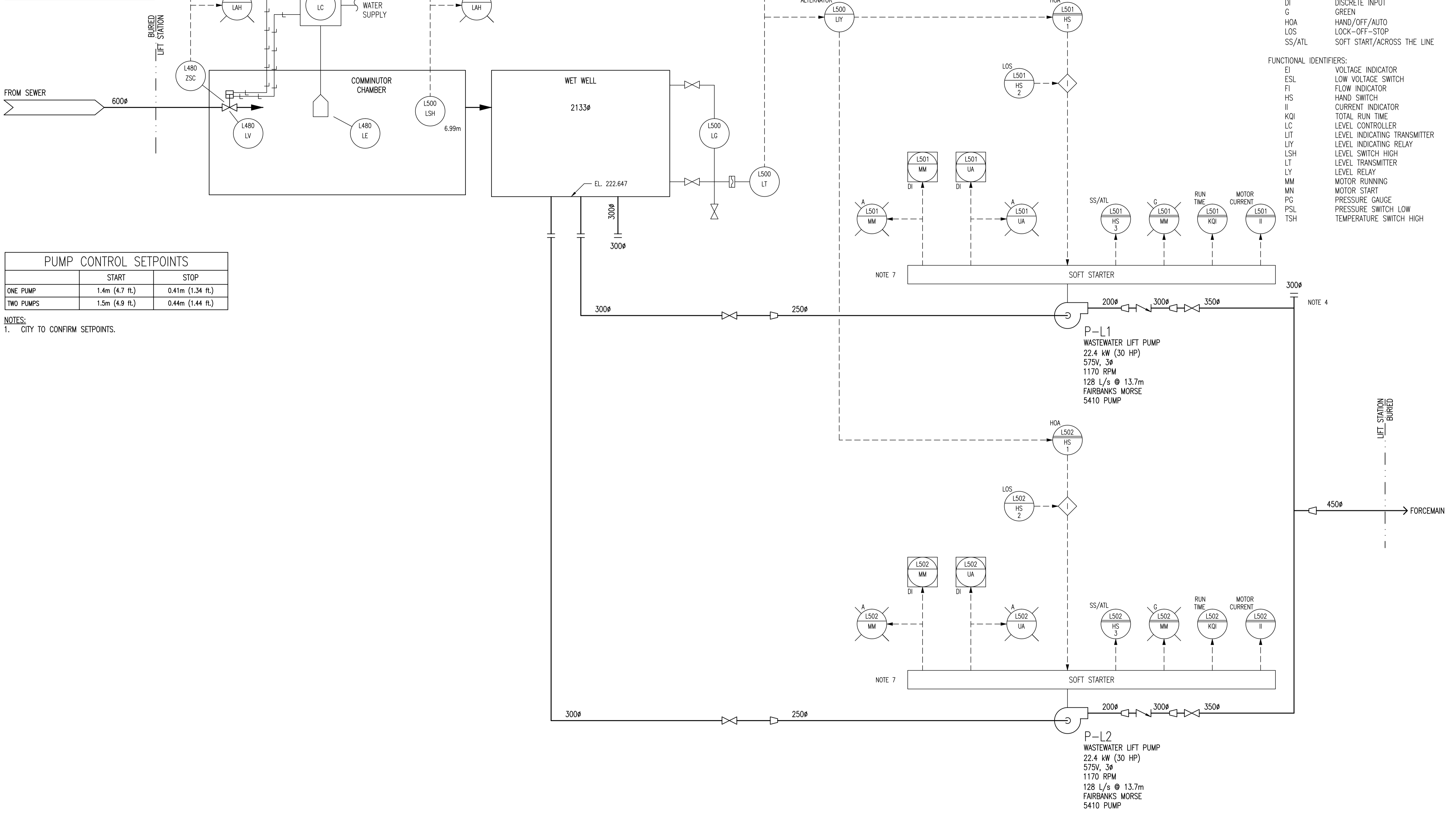


KEY ELEVATIONS:		NOTES
WET WELL BOTTOM	224.72m	SEE NOTE 5
FORCEMAIN	229.87m	SEE NOTE 5
DRY WELL FLOOR	224.479m	



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>		ENGINEER'S SEAL
DESIGNED BY: EXISTING	CHECKED BY: T. CHURCH	
DRAWN BY: S. FUNK	APPROVED BY: C. REIMER	
SCALE: NTS	RELEASED FOR CONSTRUCTION BY:	
DATE: 2011/02/14	DATE:	
CONSULTANT NO.:		

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

OLIVE WASTEWATER PUMPING STATION
 PUMPING STATION CONDITION ASSESSMENT PHASE 1
 PROCESS & INSTRUMENTATION DIAGRAM
 WASTEWATER PUMPING

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

1-0169L-P0001-001-00.dwg

DRAWING NUMBER	REFERENCE DRAWINGS
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