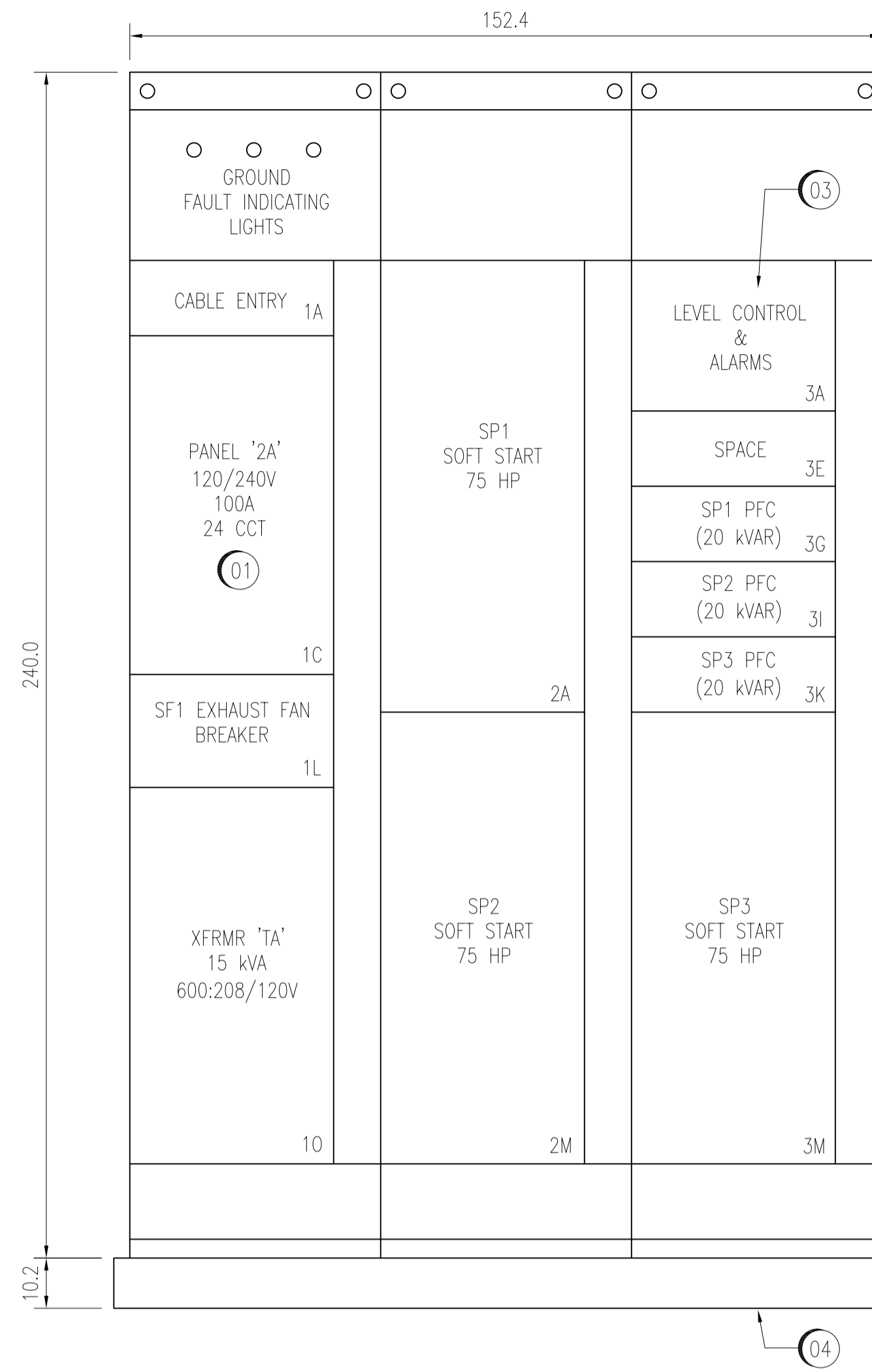


SECTION 1-1 LIFT STATION ELEVATION DETAIL

1:30
0002



DETAIL A - MCC '6A' ELEVATION
1:10

GENERAL NOTES:

1. THE MOTOR CONTROL CENTRE SHALL BE COMPLETE WITH 600A, HORIZONTAL TIN PLATED COPPER BUS BARS, 300A VERTICAL TIN PLATED COPPER BUS BARS. THE MCC SHALL HAVE AN INTEGRAL 15kVA TRANSFORMER, PANELBOARD, 15A BREAKER, THREE 75 HP SOFT STARTERS, CAP BANKS, AND A CONTROL CELL AS SHOWN IN THE DETAIL.
2. THE TOTAL WEIGHT OF THE MCC IS APPROXIMATELY 1077 KG'S, AND SHALL BE SHIPPED IN 3 SEPARATE SECTIONS FROM THE FACTORY IN ORDER TO FACILITATE ENTRY INTO THE LOWER LEVEL OF THE LIFT STATION. THE CONTRACTOR SHALL ASSEMBLE ALL 3 MCC SECTIONS ON SITE.
3. SUPPLY AND INSTALL THICK PLASTIC LAMACOID NAMEPLATES ON MCC SECTIONS. LAMACOIDS SHALL INCLUDE THE TEXT AS SHOWN ON THE MCC DETAIL.
4. SUPPLY AND INSTALL NEW, COMPLETE TYPEWRITTEN PANEL DIRECTORY FOR PANELBOARD '2A'.
5. ALL DISCONNECT SWITCHES / BREAKERS WITHIN THE MCC SHALL BE EQUIPPED WITH 'LOCK OFF' DEVICES.

SPECIFIC NOTES:

01. TERMINATE EXISTING PANELBOARD CIRCUITS INTO NEW PANEL '2A' (INTEGRAL TO MCC '6A'). EXTEND OR MODIFY CABLING AS REQUIRED.
02. WHERE CIRCUIT NUMBERS ARE MARKED AS "(UNKNOWN)", THE ELECTRICAL CONTRACTOR SHALL SITE CONFIRM AND CIRCUIT TRACE THE CIRCUIT NUMBERS TO DETERMINE THEIR USE. THE CONTRACTOR SHALL INDICATE THE USE AND PROVIDE A DESCRIPTION, IN THE PANEL DIRECTORY.
03. SUPPLY AND INSTALL TERMINAL BLOCKS, RELAYS, MOTOR ALTERNATOR, ETC IN MCC CELL. RELOCATE THE PRECISION DIGITAL METER FROM THE EXISTING MCC TO THE NEW MCC. PROVIDE CUSTOM MODIFICATIONS AS REQUIRED.
04. COMPLETE DEMOLITION OF EXISTING CONCRETE PAD. SUPPLY AND INSTALL NEW 102mm CONCRETE HOUSEKEEPING PAD TO ACCOMMODATE NEW MCC.
05. THE CONTRACTOR SHALL INCLUDE ALL PROVISIONS TO REMOVE THE EXISTING MCC (2 SECTIONS - REFER TO EXISTING SINGLE LINE DRAWING FOR DETAILS) LOCATED AT THIS LOCATION (IN ORDER TO PROVIDE ROOM TO INSTALL THE NEW MCC '6A'). INCLUDE ALL PROVISIONS TO INSTALL NEW MCC '6A' AT THIS LOCATION, INCLUDING TRANSPORTATION AND INSTALLATION (IE/ GETTING THE MCC DOWN INTO WORKSPACE WITHOUT DAMAGE ETC.).
06. COMPLETE STAIR HAND RAIL MODIFICATIONS AS REQUIRED IN ORDER TO ACCOMMODATE MCC '6A'.
07. SUPPLY AND INSTALL 2 SPEED (HI / LO) MAGNETIC MOTOR STARTER COMPLETE WITH 'HI SPEED', 'LOW SPEED', PILOT LIGHTS, AND FRONT MOUNTED OVERLOAD RESET BUTTON. STARTER SHALL BE A SQUARE D CLASS 8810 STARTER, TYPE SBG2V02 FORM C7FF4T HI LO SELECTOR SWITCH, COMPLETE WITH EUTECTIC OVERLOAD SIZED IN ACCORDANCE WITH MOTOR NAMEPLATE FULL LOAD CURRENT AND CEC C22.1-06 CODE REQUIREMENTS.

PANEL: 2A					VOLTAGE: 120/208 BUS: 100A, COPPER BUS			PHASE: 3 WIRE: 4	
DESCRIPTION	CABLE NO	LOAD WATTS	BKR SIZE	CIRCUIT	BKR SIZE	LOAD WATTS	CABLE NO	DESCRIPTION	
1ST FLOOR LIGHTS			15	1	2	15		ALARM PANEL	
2ND / 3RD FLOOR LIGHTS			15	3	4	15		1ST FLOOR PLUGS	
FAN			15	5	6	15		CONTROL PANEL	
2ND FLOOR PLUGS			15	7	8	15		(UNKNOWN)	
3RD FLOOR PLUGS			15	9	10	30		(UNKNOWN)	
SUMP PUMP			15	11	12	2P			
SPARE			15	13	14			SPACE	
SPARE			15	15	16			SPACE	
SPARE			15	17	18			SPACE	
SPARE			15	19	20			SPACE	
SPARE			15	21	22			SPACE	
SPARE			15	23	24			SPACE	
HTG. -		LTG. -		MTR. -		MISC. -		TOTAL - kW	



B.M. ELEV.	FIELD BOOK #:	SNC • LAVALIN Engineers & Constructors		SNC • LAVALIN 148 Nature Park Way Winnipeg, Manitoba Canada R3P 0X7		ENGINEER'S SEAL
POSTED TO LBIS		DESIGNED BY D.E.BECKER	CHECKED BY C. ASMUNDSON			
		DRAWN BY D.E.BECKER	APPROVED BY			
		HOR. SCALE AS SHOWN		RELEASED FOR CONSTRUCTION		
00 ISSUED FOR TENDER	2007/12/11	BDK	DATE 2007/04/12	DATE		BID OPPORTUNITY 905-2007
NO. REVISIONS	DATE	BY	FILENAME: 06799.dwg			



2007 PUMPING STATION UPGRADES
INSTALLATION OF NEW PUMPING UNITS
AND MODIFICATIONS TO THE
BALTIMORE WASTEWATER PUMPING STATION
SECTION AND SCHEDULES LIFT STATION AND MCC 6A

CITY DRAWING NUMBER	SHEET	REV.	SIZE
06799	6 OF 16	6	00 D