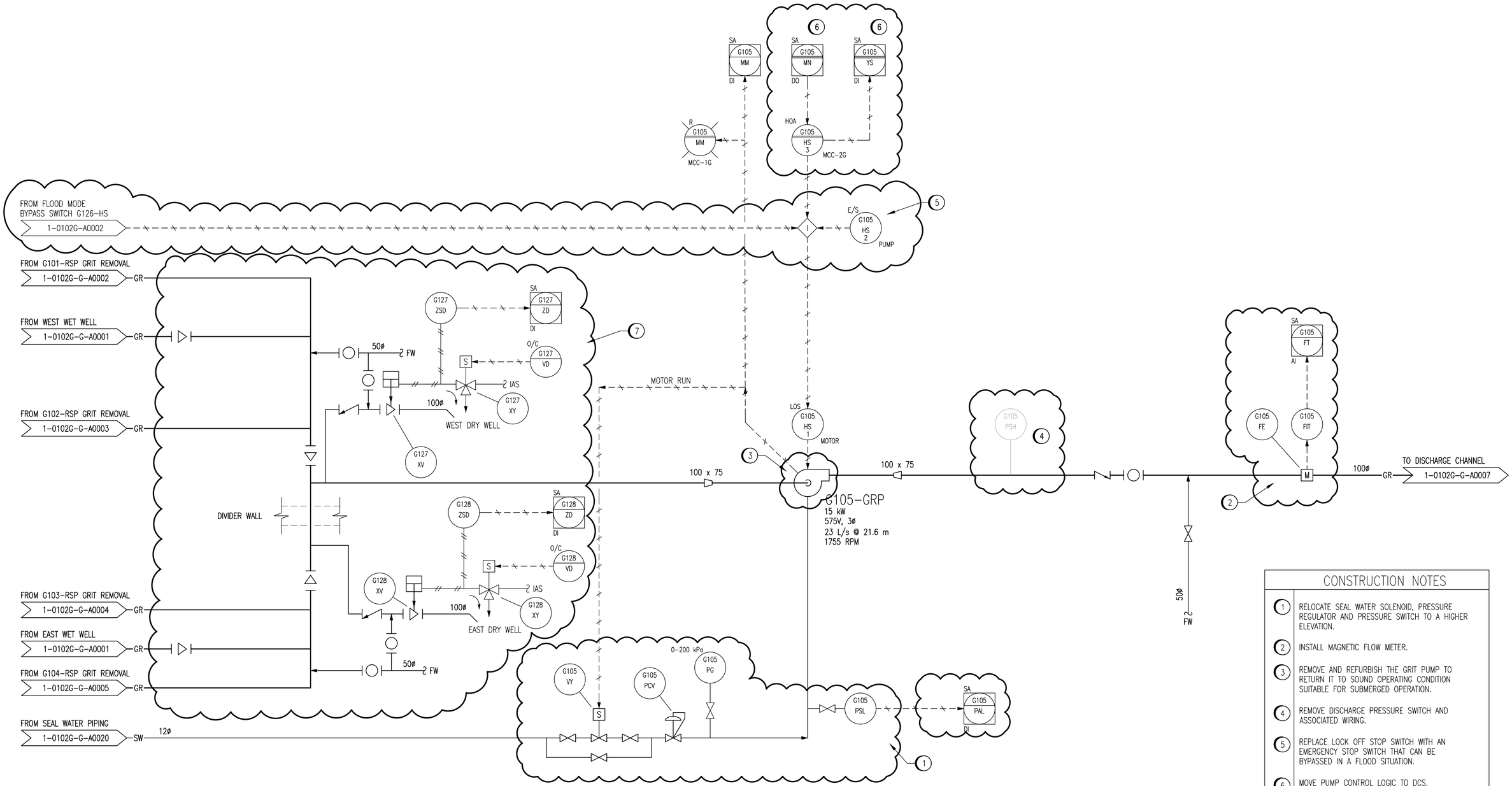

CONSTRUCTION NOTES

1. RELOCATE SEAL WATER SOLENOID, PRESSURE REGULATOR AND PRESSURE SWITCH TO A HIGHER ELEVATION.
2. INSTALL MAGNETIC FLOW METER.
3. REMOVE AND REFURBISH THE GRIT PUMP TO RETURN IT TO SOUND OPERATING CONDITION SUITABLE FOR SUBMERGED OPERATION.
4. REMOVE DISCHARGE PRESSURE SWITCH AND ASSOCIATED WIRING.
5. REPLACE LOCK OFF STOP SWITCH WITH AN EMERGENCY STOP SWITCH THAT CAN BE BYPASSED IN A FLOOD SITUATION.
6. MOVE PUMP CONTROL LOGIC TO DCS.
7. REPLACE EXISTING GRIT REMOVAL PIPING AND VALVES WITH STAINLESS STEEL PIPING AND VALVES. ADD PIPING AND CONTROLS TO ALLOW THE GRIT REMOVAL PUMP TO BE USED FOR DEWATERING.

NOTES:

1. THIS DRAWING SUPERSEDES PART OF DRAWING SEP-863.

DRAWING NUMBER	REFERENCE DRAWINGS
1-0102A-D-A0001	PROCESS & INSTRUMENT DIAGRAMS LEGEND & DETAILS

APEGM Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
01	ADDED DEWATERING VALVES & DCS CONTROLS	2010/10/01	TMC	CJR
00	ISSUED FOR CITY USE	2006/11/28	EFB	–

SNC·LAVALIN
SNC-LAVALIN INC.
148 Nature Park Way
Winnipeg, MB, Canada R3P 0X7
204-786-8080

DESIGNED BY: EXISTING	CHECKED BY: EFB
DRAWN BY: DAH	APPROVED BY: CJR
SCALE: NTS	RELEASED FOR CONSTRUCTION BY:
DATE: 2005/10/29	DATE:
CONSULTANT NO.: 112577-0112-49DD-0006	

ENGINEER'S SEAL
ORIGINAL DRAWING SEALED BY:
T. CHURCH
SNC-LAVALIN INC.
2010/10/01
REV. 01
CHANGES ONLY

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTHE END WATER POLLUTION CONTROL CENTRE
PUMP & SCREEN BUILDING
PROCESS & INSTRUMENTATION DIAGRAM
WET WELL GRIT REMOVAL PUMP G105-GRP

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102G-A0006	001	01	A1

1-0102G-A0006-001-01.dwg

A1 SIZE - 594mm x 841mm

LAST SAVE: 2010/10/05 - 9:23am
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