



1 SECTION
SCALE: 1 : 20

NOTES:

- 1 INSTALL NEW SUBMERSIBLE PUMP IN A NEW SUMP PIT. PUMP SHALL START AT FLUID LEVEL OF 400mm AND SHUT OFF AT FLUID LEVEL OF 100mm.
- 2 SUPPLY AND INSTALL NEW TWO (2) 100mm PVC DRAIN BETWEEN EXISTING SUMP PIT AND NEW SUMP PIT. DRAIN SHALL BE INSTALLED AT 1:20 SLOPE TO DRAIN BACK TO EXISTING SUMP PIT.
- 3 ATTACH AND RUN NEW 100mm 40S A312 TP316L STAINLESS STEEL PIPE.
- 4 SUPPLY AND INSTALL PIPE SUPPORTS AS PER SPECIFICATIONS. ATTACH TO UNISTRUT FRAME SHOWN ON DRAWING 1-0102B-S0003.
- 5 CORE HOLE SUITABLE FOR PIPE SIZE.
- 6 INSTALL SUMP PUMP AND RUN DISCHARGE PIPING TO GRIT TANK EFFLUENT CHANNEL. RUN NEW 100mm SCHEDULE 80 PVC PIPING ADJACENT TO EXISTING SUMP PIPE.
- 7 FIRE STOP AS PER SPECIFICATIONS.
- 8 DISCHARGE INTO GRIT EFFLUENT CHANNEL.

FLOOD PUMP SCHEDULE

TAG	LOCATION	CAPACITY (L/S)	HEAD	KW	RPM	POWER	DESCRIPTION
B580-SMP	BOILER ROOM	16	13.6 M	5.59	1750	575/3	BELL & GOSSETT 4WDA75-37



NO.	REVISIONS	DATE	DESIGN	CHECK
01	ISSUED FOR TENDER, BID OPP. 42-2013	2013/03/25	TRS	SN
00	ISSUED FOR TENDER, BID OPP. 545-2012	2012/09/10	TRS	SN

SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080		ENGINEER'S SEAL
DESIGNED BY: S. NORSWORTHY	CHECKED BY: S. NORSWORTHY	ORIGINAL DRAWING SEALED BY: S. S. NORSWORTHY SNC-LAVALIN MEMBER #20725 2012/10/11 REV. 00
DRAWN BY: D. CALVERLEY	APPROVED BY: C. REIMER	
SCALE: 1:100	RELEASED FOR CONSTRUCTION BY: NEIL HARRINGTON DATE: 2012/10/10	
DATE: 2012/01/20	CONSULTANT NO.: 112577-0116-450D-0204	

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 SOUTH END WATER POLLUTION CONTROL CENTRE
 VENTILATION & MISC. UPGRADES
 PLAN VIEW
 BOILER ROOM SUMP PUMP FLOOD UPGRADES
 CITY DRAWING NUMBER: 1-0102B-M0004
 SHEET: 001
 REV.: 01
 SIZE: A1