LOWER LEVEL PLAN

SCALE : 1:100

48000±

940± 22060± 12800± 2890± 8860± 450±

REPLACE EXISTING CLEAN-OUTS

REPLACE EXISTING CLEAN OUT

USE 2-45° BENDS TO ROUTE PIPE BEHIND EXISTING TANK ACCESS LADDER

EXTEND 150Ø SA

SLOPE DOWN @ 1.5%

450±
4450±
350±
17750±

1.5%

150Ø SA DOSING POINT

EXISTING 150Ø SCH40 PVC SA LINE AND ASSOCIATED CLEANOUTS & SUPPORTS TO BE REPLACED

1.5%

SBR 2 C200

(SEE NOTE 1)

CONNECT TO EXISTING 150Ø PVC SA LINE

REUSE EXISTING WALL PENETRATION

(SEE NOTE 1)

SBR 1 C100

1.5%

1.5%

SLOPE DOWN @ 1.5%

1 2
— —

CLEAN OUT DETAIL

UNDERSIDE OF EXISTING PRE-CAST TEES

100

150Ø BEND

VARIES

150Ø WYE

150Ø SCH40 PVC SODA ASH LINE

SLOPE DOWN @ 1.5%

1 **CLEAN OUT DETAIL**
— SCALE 1:10

CEILING

ADHESIVE ANCHOR

3600 MAX.

ROD
REFER TO TABLE FOR APPROPRIATE SIZING

GALVANIZED PIPE CLAMP
REFER TO TABLE FOR APPROPRIATE SIZING
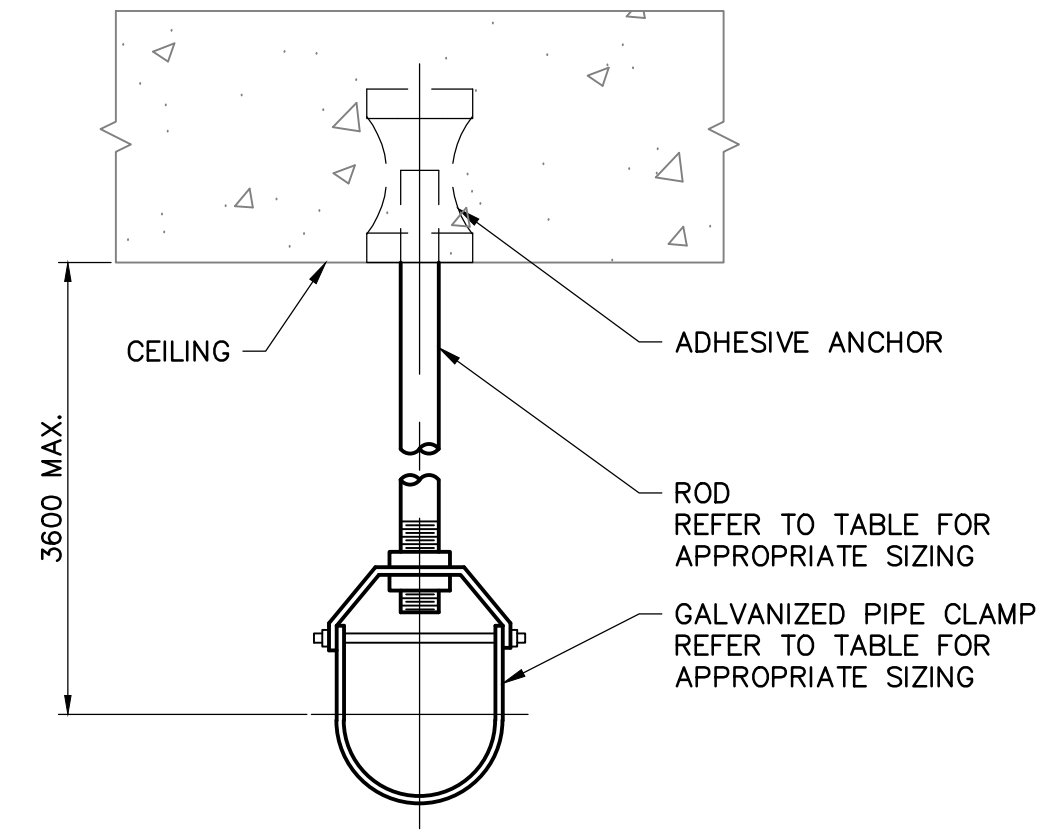
PIPE SIZE (mm)	ROD SIZE (mm)	MAX LOAD (kg)
150	20.0	1230

GRINNEL OR SIMILAR, SAFETY FACTOR = 5

2 **PIPE SUPPORT**
— SCALE NONE

NOTES:

1. DIFFUSERS UNDER DECANTER ARRANGEMENTS OMITTED FOR CLARITY.

KEY PLAN

B.M.
ELEV.
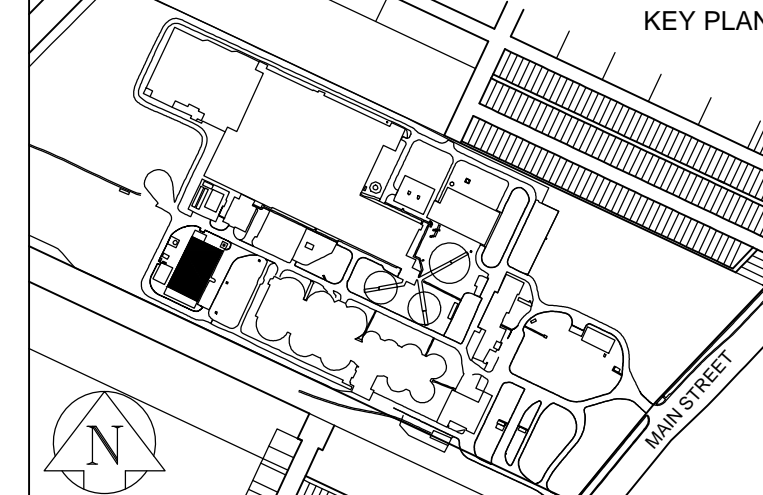
APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671   Date: June 23/16

AECOM

PROVINCE OF MANITOBA
June 23/16
K.J. SEARS
REGISTERED PROFESSIONAL ENGINEER

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

DESIGNED BY	NK	CHECKED BY	KJS
DRAWN BY	SRG	APPROVED BY	KJS
SCALE: HORIZONTAL	NTS	RELEASED FOR CONSTRUCTION	
VERTICAL			

2016 NEWPCC
SBR UPGRADES
PROCESS
SBR TANKS
LOWER LEVEL PLAN & DETAILS

CONSULTANT DRAWING NUMBER
D-1002

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER: BID OP 547-2016	16/06/23	SRG

PLOT DATE: 2016 06 23

BID OPPORTUNITY: 145-2016

CITY DRAWING NUMBER
1-0101C-P0051-001-00

SHEET **10** OF **15**

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