



Flow Type	Flow (MLD)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	
5-YR AVERAGE RIVER LEVEL & DESIGN PEAK FLOW	420	234.90	234.60	234.55	234.20	234.06	234.05	233.93	233.54	233.36	233.29	233.23	233.16	233.05	232.85	232.14	232.09	231.89
5-YR AVERAGE RIVER LEVEL & SCREENS CAPACITY	350	234.81	234.59	234.55	234.20	234.06	234.05	233.93	233.54	233.36	233.29	233.23	233.16	233.05	232.85	232.14	232.09	231.89
5-YR AVERAGE RIVER LEVEL & SECONDARY TREATMENT CAPACITY	225	234.69	234.59	234.56	234.22	234.11	234.05	233.93	233.54	233.36	233.29	233.23	233.16	233.05	232.85	232.14	232.09	231.89
5-YR AVERAGE RIVER LEVEL & PRIMARY TREATMENT CAPACITY	150	234.42	234.35	234.31	234.17	234.11	234.05	233.93	233.54	233.26	233.23	233.17	233.13	233.04	232.73	232.13	231.81	231.77
5-YR AVERAGE RIVER LEVEL & AVERAGE DRY WEATHER FLOW	75	234.09	234.07	234.05	234.01	233.96	233.94	233.91	233.46	233.19	233.18	233.12	233.10	233.03	232.67	232.12	231.76	231.71

- NOTES:
1. PROFILE ASSUMES ALL PROCESS TREATMENT UNITS ARE IN SERVICE.
 2. ≡ DEPICTS SCREENS CAPACITY WATER LEVEL UNLESS OTHERWISE NOTED.
 3. HEAD LOSS THROUGH SCREENS BASED ON 40% BLINDING.
 4. SCREENS CAPACITY BASED ON 100 mm OR LESS FREEBOARD ON SCREENS BYPASS WEIRS. BYPASSING OF SCREENS MAY OCCUR AT FLOWS ABOVE APPROXIMATELY 350 MLD.



00	ISSUED FOR TENDER - B.O. 899-2015	01/2016	J.C.	J.C.
NO.	REVISIONS	DATE	DESIGN	CHECK

CH2MHILL
SNC-LAVALIN

DESIGNED BY: G. GERMAN
CHECKED BY: J. CHENG

DRAWN BY: G. GERMAN
APPROVED BY: H.T. FREIHAMMER

SCALE: NTS
ISSUED FOR CONSTRUCTION BY: T. TURZAK
DATE: 2014/01/17
DATE: 2016/01/29

CONSULTANT NO.: 474248

ENGINEER'S SEAL

29/01/2016

PROVINCE OF MANITOBA
F. J. ABSI
Member
36575
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG
Winnipeg WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPC UPGRADING/EXPANSION PROJECT
PROCESS
HYDRAULIC PROFILE (1)
HEADWORKS, PRIMARY AND SECONDARY TREATMENT

CITY DRAWING NUMBER: 1-0102-PHYD-A003
SHEET: 001
REV: 00
SIZE: A1