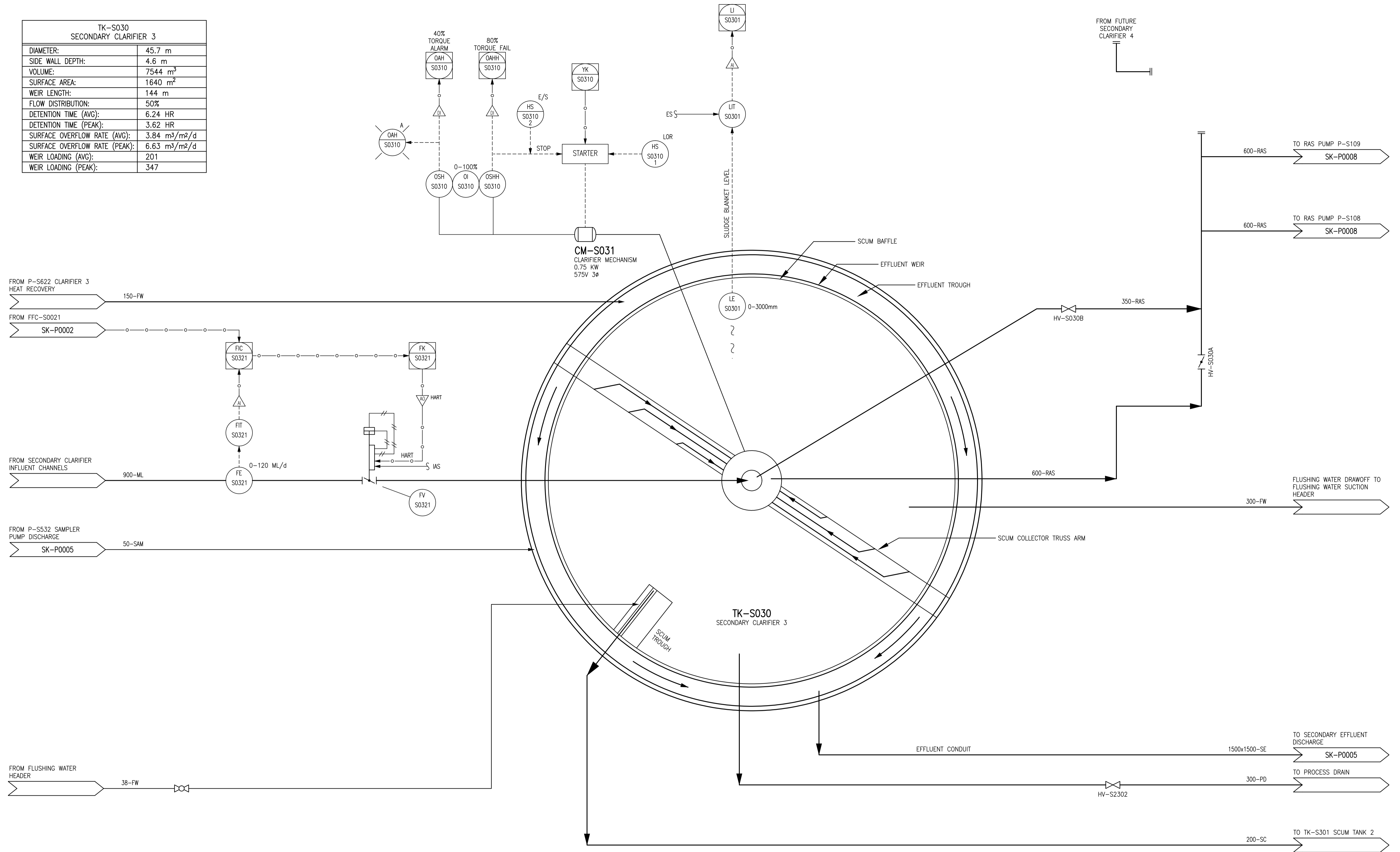


A1 SIZE - 594mm x 841mm
 LAST SAVE: 2013/10/30 - 1:33pm
 PATH: M:\12620\0004\ENG\40ENG\DD - General DWG\SK-P0004-001.dwg

TK-S030 SECONDARY CLARIFIER 3	
DIAMETER:	45.7 m
SIDE WALL DEPTH:	4.6 m
VOLUME:	7544 m ³
SURFACE AREA:	1640 m ²
WEIR LENGTH:	144 m
FLOW DISTRIBUTION:	50%
DETENTION TIME (AVG):	6.24 HR
DETENTION TIME (PEAK):	3.62 HR
SURFACE OVERFLOW RATE (AVG):	3.84 m ³ /m ² /d
SURFACE OVERFLOW RATE (PEAK):	6.63 m ³ /m ² /d
WEIR LOADING (AVG):	201
WEIR LOADING (PEAK):	347



NOTES:

- THIS DRAWING REPRESENTS A CONCEPTUAL INSTALLATION ONLY FOR THE PURPOSE OF CONTROL SYSTEM SELECTION.



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER	2013/10/30	CJR	BJC

SNC-LAVALIN INC.
 148 Nature Park Way
 Winnipeg, MB, Canada R3P 0X7
 204-798-8080

DESIGNED BY: C. REIMER
 DRAWN BY: M.J. PERSSON
 SCALE: NTS
 DATE: 2013/08/07

CHECKED BY: B. CLEVEN
 APPROVED BY: C. REIMER
 RELEASED FOR CONSTRUCTION BY:
 DATE:

CONSULTANT NO.:

ENGINEER'S SEAL

PRELIMINARY
 NOT TO BE
 USED FOR
 CONSTRUCTION

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

DEMONSTRATION SYSTEM
 SECONDARY CLARIFIERS
 PROCESS & INSTRUMENTATION DIAGRAM
 CLARIFIER 3

CITY DRAWING NUMBER: SK-P0004
 SHEET: 001
 REV: 00
 SIZE: A1

SK-P0001	PROCESS & INSTRUMENTATION DIAGRAM LEGEND & DETAILS
DRAWING NUMBER	REFERENCE DRAWINGS