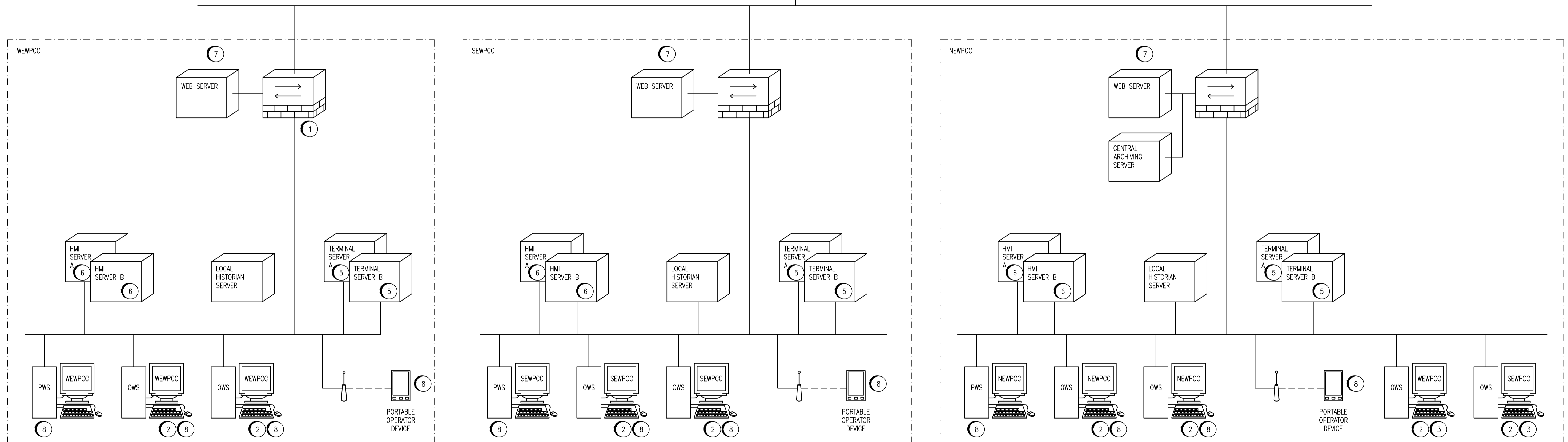
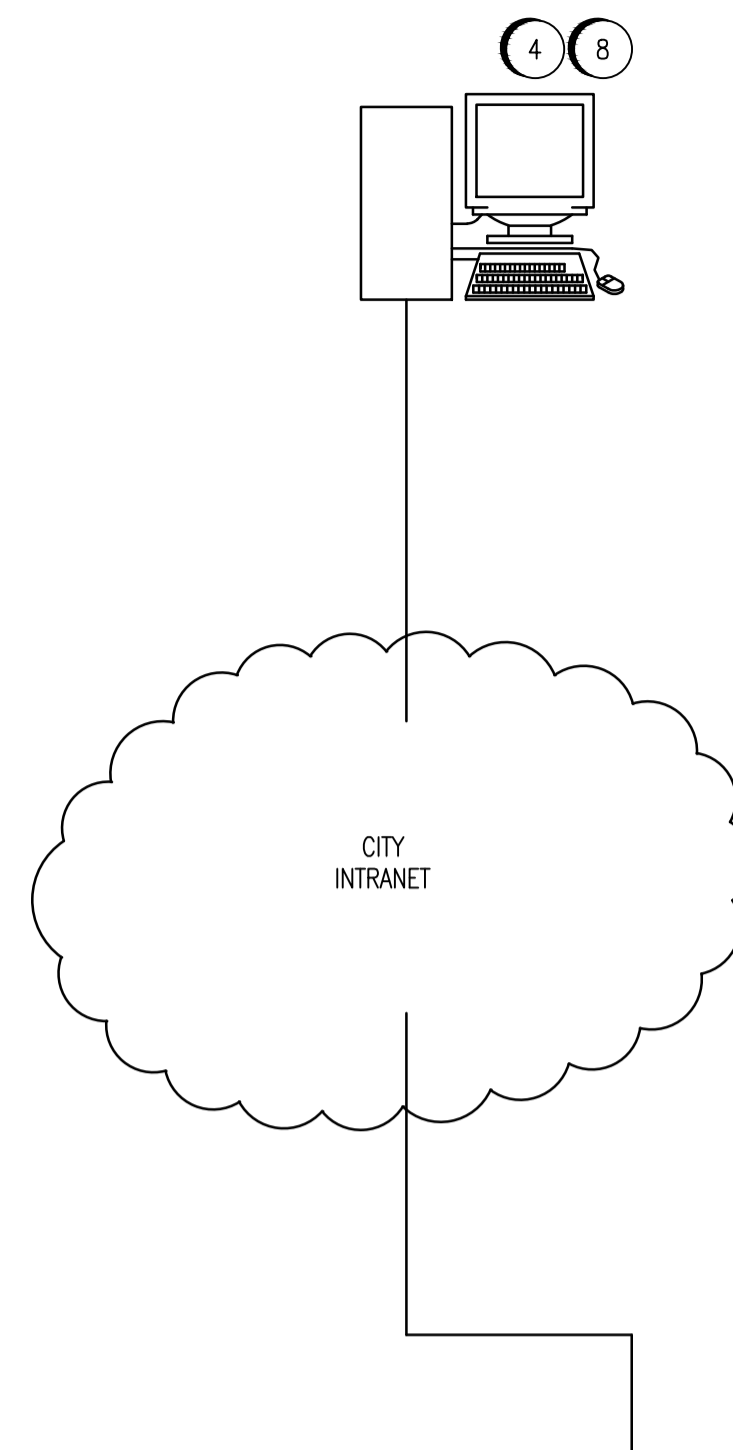


LEGEND:

- PWS PROGRAMMING WORKSTATION
- OWS OPERATOR WORKSTATION



NOTES:

- 1 THE NETWORKING SHOWN IS REPRESENTATIVE ONLY AND SHOULD NOT BE CONSTRUED AS BEING COMPREHENSIVE.
- 2 OPERATOR WORK STATIONS (OWS) PROVIDED WITH THE CAPABILITY TO CONNECT TO ANY SITE HMI SERVERS OVER THE WIDE-AREA NETWORK CONNECTIONS.
- 3 THE NEWPCC CONTROL ROOM WILL BE THE CENTRAL MONITORING FACILITY FOR ALL THREE WASTEWATER TREATMENT PLANTS.
- 4 AUTHORIZED USERS WITHIN THE CITY'S INTRANET (AND INTERNET) MAY CONNECT TO THE WEB SERVERS TO OBTAIN REAL-TIME PROCESS INFORMATION AND ACCESS TO HISTORICAL DATA.
- 5 TERMINAL SERVERS ARE PREFERRED, BUT NOT MANDATORY.
- 6 THE HMI SERVERS ARE EXPECTED TO INCLUDE I/O AND DATA SERVERS.
- 7 WEB SERVERS WILL PROVIDE READ-ONLY ACCESS TO THE HMI.
- 8 THE NUMBER OF DEVICES SHOWN IS REPRESENTATIVE ONLY. DO NOT ASSUME QUANTITIES BASED ON THIS DRAWING.



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 204-786-8080	
DESIGNED BY:	C. REIMER	CHECKED BY:	B. CLEVEN
DRAWN BY:	M.J. PERSSON	APPROVED BY:	C. REIMER
SCALE:	NTS	RELEASED FOR CONSTRUCTION BY:	
DATE:	2013/08/26	DATE:	
CONSULTANT NO.: 612620-0004-40DD-0001			

ENGINEER'S SEAL

PRELIMINARY
NOT TO BE
USED FOR
CONSTRUCTION

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WASTEWATER TREATMENT SYSTEM

OVERALL HMI ARCHITECTURE

CITY DRAWING NUMBER	SHEET	REV.	SIZE
SK-A0001	001	00	A1