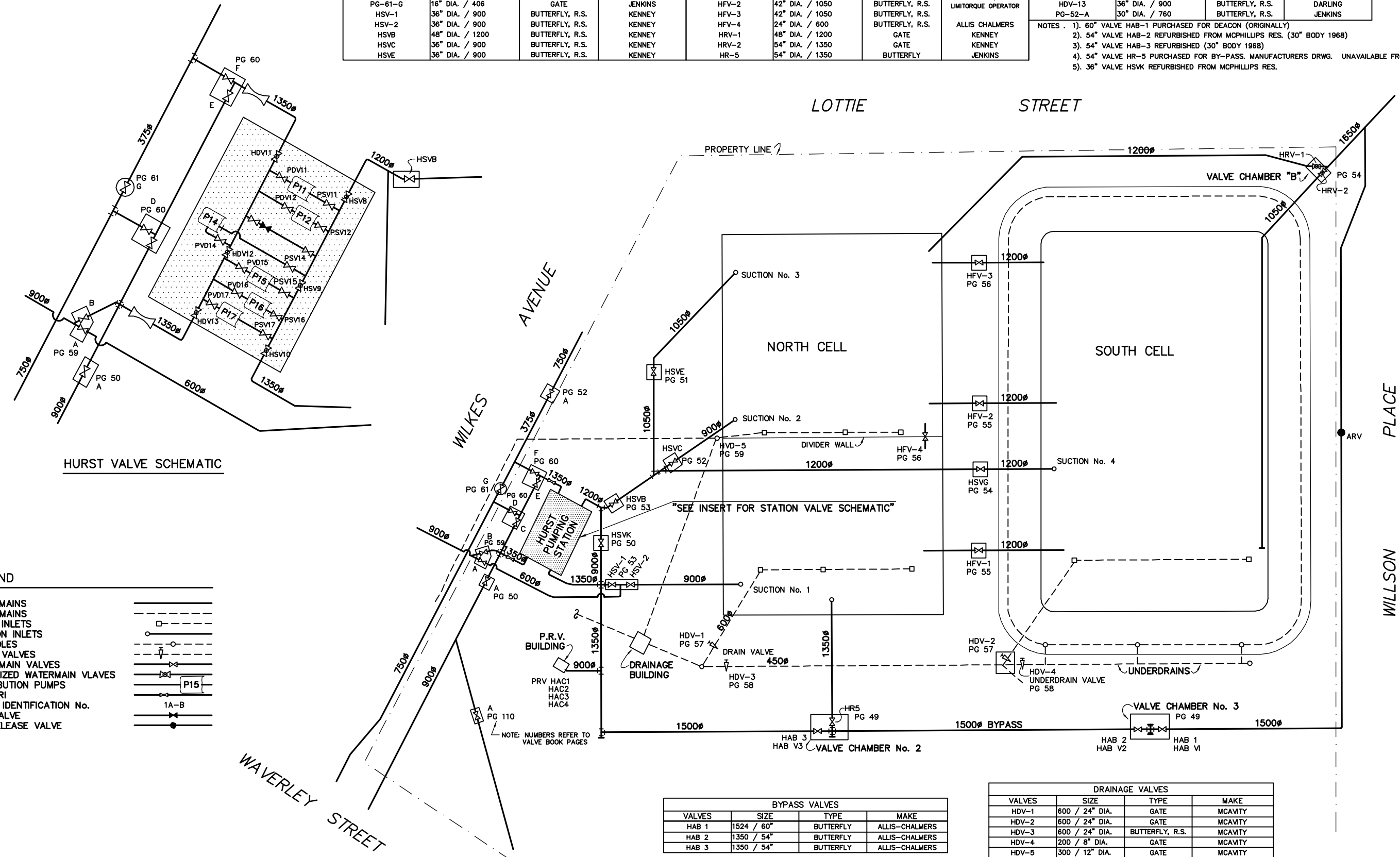


VALVE	SIZE	TYPE	MAKE	VALVE	SIZE	TYPE	MAKE	VALVE	SIZE	TYPE	MAKE
PG-59-A	24" DIA. / 600	BUTTERFLY, R.S.	DOMINION	HSV	48" DIA. / 1200	BUTTERFLY, R.S.	KENNEY	110	36" DIA. / 900	BUTTERFLY	ALLIS CHALMERS
PG-59-B	36" DIA. / 900	BUTTERFLY, R.S.	DARLING	HSV	36" DIA. / 900	GATE	JENKINS	HSV-8	30" DIA. / 760	BUTTERFLY	DARLING
PG-60-C	48" DIA. / 1200	BUTTERFLY, R.S.	DARLING	HAB-1	60" DIA. / 1500	BUTTERFLY, R.S.	ALLIS CHALMERS	HSV-9	54" DIA. / 1350	BUTTERFLY	DARLING
PG-60-D	30" DIA. / 760	BUTTERFLY, R.S.	DARLING	HAB-2	54" DIA. / 1350	BUTTERFLY, R.S.	ALLIS CHALMERS	HSV-10	54" DIA. / 1350	BUTTERFLY	DARLING
PG-60-E	48" DIA. / 1200	BUTTERFLY, R.S.	DARLING	HAB-3	54" DIA. / 1350	BUTTERFLY, R.S.	ALLIS CHALMERS	HDV-11	36" DIA. / 900	BUTTERFLY, R.S.	DARLING
PG-60-F	30" DIA. / 760	BUTTERFLY, R.S.	DARLING	HFV-1	42" DIA. / 1050	BUTTERFLY, R.S.	PRATT C/W	HDV-12	36" DIA. / 900	BUTTERFLY, R.S.	DARLING
PG-61-G	16" DIA. / 406	GATE	JENKINS	HFV-2	42" DIA. / 1050	BUTTERFLY, R.S.	LIMTORQUE OPERATOR	HDV-13	36" DIA. / 900	BUTTERFLY, R.S.	DARLING
HSV-1	36" DIA. / 900	BUTTERFLY, R.S.	KENNEY	HFV-3	42" DIA. / 1050	BUTTERFLY, R.S.	KENNEY	PG-52-A	30" DIA. / 760	BUTTERFLY, R.S.	JENKINS
HSV-2	36" DIA. / 900	BUTTERFLY, R.S.	KENNEY	HFV-4	24" DIA. / 600	BUTTERFLY, R.S.	ALLIS CHALMERS	NOTES . 1). 60" VALVE HAB-1 PURCHASED FOR DEACON (ORIGINALLY)			
HSVB	48" DIA. / 1200	BUTTERFLY, R.S.	KENNEY	HRV-1	48" DIA. / 1200	GATE	KENNEY	2). 54" VALVE HAB-2 REFURBISHED FROM MCPHILLIPS RES. (30" BODY 1968)			
HSVC	36" DIA. / 900	BUTTERFLY, R.S.	KENNEY	HRV-2	54" DIA. / 1350	GATE	KENNEY	3). 54" VALVE HAB-3 REFURBISHED (30" BODY 1968)			
HSVE	36" DIA. / 900	BUTTERFLY, R.S.	KENNEY	HR-5	54" DIA. / 1350	BUTTERFLY	JENKINS	4). 54" VALVE HR-5 PURCHASED FOR BY-PASS. MANUFACTURERS DRWG. UNAVAILABLE FROM UMA			
								5). 36" VALVE HSVK REFURBISHED FROM MCPHILLIPS RES.			

NOTES . 1). 60" VALVE HAB-1 PURCHASED FOR DEACON (ORIGINALLY)  
 2). 54" VALVE HAB-2 REFURBISHED FROM MCPHILLIPS RES. (30" BODY 1968)  
 3). 54" VALVE HAB-3 REFURBISHED (30" BODY 1968)  
 4). 54" VALVE HR-5 PURCHASED FOR BY-PASS. MANUFACTURERS DRWG. UNAVAILABLE FROM UMA  
 5). 36" VALVE HSVK REFURBISHED FROM MCPHILLIPS RES.



HURST VALVE SCHEMATIC

**LEGEND**

WATERMAINS	---
UNDERMAINS	- - - -
DRAIN INLETS	○
SUCTION INLETS	□
MANHOLES	○
DRAIN VALVES	▽
WATERMAIN VALVES	◇
MOTORIZED WATERMAIN VALVES	◇
DISTRIBUTION PUMPS	P15
VENTURI	▽
VALVE IDENTIFICATION No.	1A-B
PRV VALVE	◇
AIR RELEASE VALVE	●

**BYPASS VALVES**

VALVES	SIZE	TYPE	MAKE
HAB 1	1524 / 60"	BUTTERFLY	ALLIS-CHALMERS
HAB 2	1350 / 54"	BUTTERFLY	ALLIS-CHALMERS
HAB 3	1350 / 54"	BUTTERFLY	ALLIS-CHALMERS

**DRAINAGE VALVES**

VALVES	SIZE	TYPE	MAKE
HDV-1	600 / 24" DIA.	GATE	MCAVITY
HDV-2	600 / 24" DIA.	GATE	MCAVITY
HDV-3	600 / 24" DIA.	BUTTERFLY, R.S.	MCAVITY
HDV-4	200 / 8" DIA.	GATE	MCAVITY
HDV-5	300 / 12" DIA.	GATE	MCAVITY

REFERENCE:  
 OPERATION, MAINTENANCE, DESIGN MANUAL IN W.W. & D.D. LIBRARY REPRO DTD  
 395 U5 85000781

NOTE:  
 ORIGINAL DRAWING CREATED BY "THE UMA GROUP" (OCT 12, 1983), DWG No. SK01,  
 JOB No. 01-0265-162-05. CITY DWG No. WIL-45, FILE No. RE 10299. FOR THE  
 FORMER WATERWORKS, WASTE AND DISPOSAL DIVISION.

NO.	REVISIONS	DATE	BY
4	CONVERTED ORIGINAL WIL-45 TO AUTOCAD	30.11.10	CJH
3	GENERAL REVISIONS & VALVES RENUMBERED	00.12.05	MBD
2	REV. VALVE NO.'S INSIDE PUMPING STATION & ADDED WATER TRANSFER PIPE	30.05.89	BGD
1	VALVE #9 MOVED & VALVE SCHEDULE ADDED	1983 12 29	MS

**CITY OF WINNIPEG**  
 WATER AND WASTE  
 ENGINEERING DIVISION

DESIGNED BY: CJH  
 CHECKED BY: TJS  
 DRAWN BY: CJH  
 APPROVED BY: TJS  
 HOR. SCALE: NTS  
 VERTICAL: NTS  
 DATE: 2010 12 20

ENGINEER'S SEAL

BID OPPORTUNITY:  
 FILENAME : WIL-45.dwg  
 PLOT DATE: 2010 12 20

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT

**WILKES AVENUE RESERVOIR**  
 VALVE OPERATION SCHEMATIC

SHEET 1 OF 1  
 CITY DRAWING NUMBER  
 WIL-45