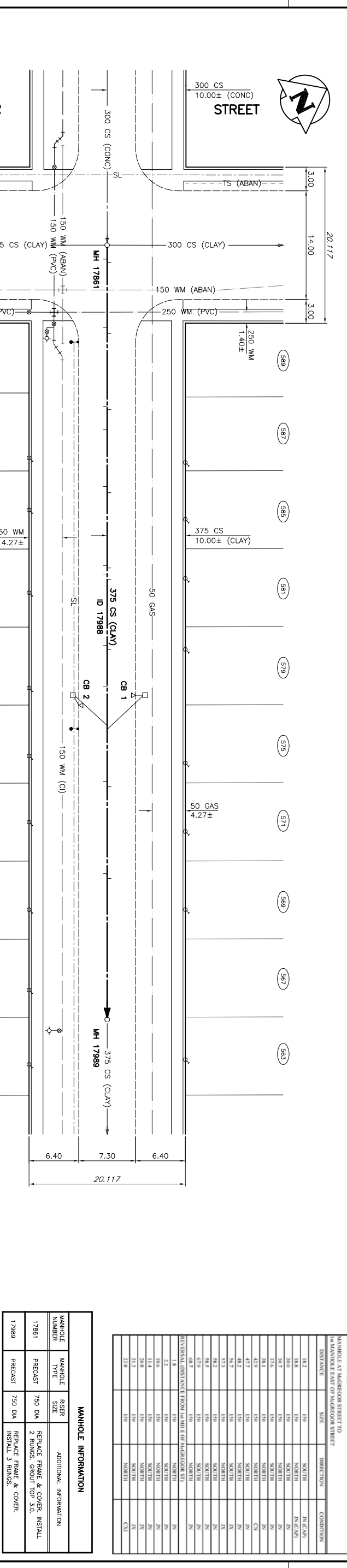


SEWER CONNECTION DATA					
ADDRESS	SIZE	PL.	JUNCTION/TIE	PROPERTY LINE TIE	REMARKS
No. 503	150	-	0+151 TAILW/OF ANDREWS ST	SHORT	0+151 MCGREGOR
No. 502	150	-	92.0 W OF MCG AT ANDREWS ST	UNKNOWN	UNKNOWN
No. 504	150	-	92.0 W OF MCG AT ANDREWS ST	UNKNOWN	UNKNOWN
No. 506	150	-	2.4 W OF ANDREWS ST	UNKNOWN	UNKNOWN
No. 507	150	-	1.8 W	UNKNOWN	64.4 E
No. 508	150	-	1.9 W	UNKNOWN	75.7 E
No. 509	150	-	11.3 W	UNKNOWN	UNKNOWN
No. 570	150	-	21.9 W	UNKNOWN	64.1 E
No. 572	150	-	UNKNOWN	UNKNOWN	UNKNOWN
No. 573	150	-	75.6 E OF MCG AT MCGREGOR ST	UNKNOWN	UNKNOWN
No. 574	150	-	32.9 W	UNKNOWN	46.8 E
No. 575	150	-	31.4 W	UNKNOWN	UNKNOWN
No. 579	150	-	41.1 W	UNKNOWN	41.6 E
No. 580	150	-	52.1 W	UNKNOWN	55.6 E
No. 581	150	-	56.7 W	UNKNOWN	32.0 E
No. 582	150	-	62.3 W	UNKNOWN	23.6 E
No. 584	150	-	70.1 W	UNKNOWN	17.4 E
No. 585	150	-	UNKNOWN	UNKNOWN	UNKNOWN
No. 587	150	-	69.3 W	UNKNOWN	14.8 E
No. 588	150	-	UNKNOWN	UNKNOWN	UNKNOWN
No. 589	150	-	81.4 W	SERVED BY MCGREGOR	UNKNOWN
No. 591	150	-	104.0 W OF MCG AT MCGREGOR	UNKNOWN	1.3 W OF E/L MCGREGOR
No. 603 REIMWOOD	150	-	UNKNOWN	UNKNOWN	UNKNOWN

SEWER JUNCTION INFORMATION				
BOYD AVENUE				
MANHOLE AT MCGREGOR STREET TO BE MANHOLE EAST OF MCGREGOR STREET BY VIDEO INSPECTION				
PROTD AVENUE	DISTANCE	SIZE	DIRECTION	COMBINATION
18.2	150	150	SOUTH	JN C/D
18.8	150	150	NORTH	JN C/D
30.0	150	150	SOUTH	JN
30.7	150	150	NORTH	JN
37.6	150	150	SOUTH	JN
38.1	150	150	NORTH	JN
42.9	150	150	NORTH	CN
42.7	150	150	SOUTH	JN
45.2	150	150	NORTH	JN
47.2	150	150	SOUTH	JN
57.2	150	150	NORTH	JN
58.2	150	150	SOUTH	JN
58.5	150	150	SOUTH	JN
67.9	150	150	SOUTH	JN
68.7	150	150	NORTH	JN
1.8	150	150	NORTH	JN
12	150	150	SOUTH	JN
12.1	150	150	SOUTH	JN
11.4	150	150	SOUTH	JN
20.8	150	150	SOUTH	JN
21.2	150	150	SOUTH	JN
21.8	150	150	NORTH	CN



WARDROP Engineering Inc.

Engineer

DATE: 04.03.30

ISSUED FOR TENDER: 04.05.28

ISSUED FOR APPROVAL: 04.05.28

DATE: 04.03.30

APEN

Certificate of Authorization

Wardrop Engineering Inc.

No. 195 Expiry: April 30, 2005

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

2004 COMBINED SEWER RENEWALS

FULL LENGTH LINING BY CIPP METHODS

BOYD AVENUE

MANHOLE AT MCGREGOR STREET TO 1ST MANHOLE EAST OF MCGREGOR STREET

CITY DRAWING NUMBER: 05430

SHEET 3 OF 6

C2003

MANHOLE INFORMATION

MANHOLE NUMBER	MANHOLE TYPE	SIZE	ADDITIONAL INFORMATION
17861	PRECAST	750 DIA	REPLACE FRAME & COVER. INSTALL 3 RINGS.
17989	PRECAST	750 DIA	REPLACE FRAME & COVER. INSTALL 3 RINGS.

CATCHBASIN INFORMATION

CATCHBASIN NUMBER	ADDITIONAL INFORMATION
CB 1	REPLACE TOP 0.6 RISER. REPLACE FRAME & COVER. INSTALL 3 RINGS.
CB 2	REPLACE TOP 0.6 RISER. REPLACE FRAME & COVER. INSTALL 5 RINGS.
CB 3	NO REPAIRS REQUIRED.

LOCATION APPROVED UNDERGROUND STRUCTURES

LEGAL DIMENSION: 75.240

SURVEY BAR

TRAFFIC SIGNAL

GAS

HYDRO

MIS

SIDEWALK CURB

LEGEND

LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING
WATERMAIN	150 WM	150 WM	BEND	4	4
LAND DRAINAGE SEWER	300 LBS	300 LBS	TEE	4	4
WASTEWATER SEWER	250 WMS	250 WMS	CURB STOP	4	4
COMBINED SEWER	300 CS	300 CS	PLUG	4	4
FORCEMAIN	200 FCM	200 FCM	MANHOLE	4	4
JUNCTIONS	4	4	CATCHBASIN	4	4
HYDRANT	4	4	CURB INLET	4	4
VALVE	4	4	ADDRESS	4	4
REDUCER	4	4	HYDRO POLE	4	4
LEGEND-PLAN	PROPOSED	EXISTING	LIGHT STANDOFF	4	4
			LEGEND-PLAN	PROPOSED	EXISTING

NOTE:

CHANGE IS ALONG SOUTH PROPERTY LINE OF BOYD AVENUE.

Scale: 1 : 250

Scale: 1 : 50