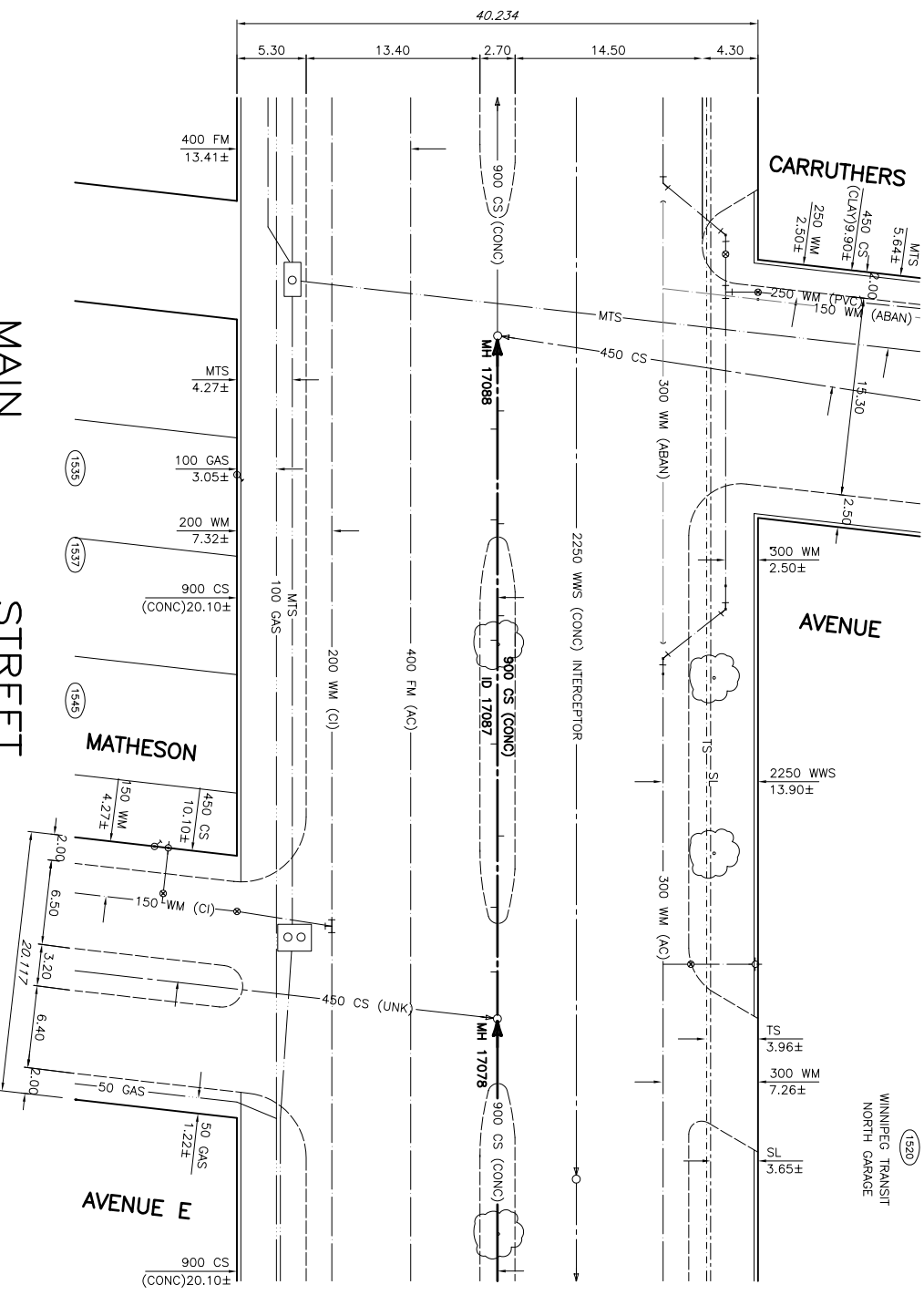


231.0	INSTALL CIPP LINER	231.0
230.0	PARTIALLY DETERIORATED	230.0
229.0		229.0
228.0		228.0
227.0		227.0
226.0		226.0
225.0		225.0
224.0		224.0

ADDRESS	SIZE	PL	JUNCTION TIE	PROPERTY LINE TIE	REMARKS
	150	INV	0 = M/AT	0 = S/L	
	150	-	CARRUTHERS	MATHESON	
	150	-	SERVED OFF CARRUTHERS	UNKNOWN	
	150	-	UNKNOWN	UNKNOWN	
	150	-	4.6 N	34.8 S	
	150	-	UNKNOWN	UNKNOWN	
	150	-	UNKNOWN	UNKNOWN	
	150	-	SERVED OFF MATHESON	UNKNOWN	



FOR FURTHER INFO SEE DWG. No. 05433

MAIN STREET	MANHOLE AT MATHESON AV EAST TO CARRUTHERS AV	DISTANCE	SIZE	DIRECTION	CONDITION
3.6	300	TOP	200	EAST	JN
8.6	150	EAST	150	EAST	CK
14.1	150	WEST	150	WEST	GN(CAP)
21.2	150	EAST	150	EAST	GN(CAP)
31.1	150	WEST	150	WEST	GN
38.2	150	WEST	150	WEST	GN(CAP)
45.5	150	EAST	150	EAST	GN
46.9	150	WEST	150	WEST	GN(CAP)

MANHOLE NUMBER	MANHOLE TYPE	RISER SIZE	ADDITIONAL INFORMATION
17078	POURED	750 DIA	GROUT TOP 4.0m, GROUT AND REPLACE BENCHING.
17088	PRECAST	900 DIA	INSTALL 1 RING, GROUT AND REPLACE BENCHING.

150 WM	WATERMAIN	150 WM	BEND	ANCHOR TREE	LOCATION APPROVED UNDERGROUND STRUCTURES	B.M. CITY OF WINNIPEG 28-043	F.B. 2031	WARDROP Engineering Inc.	ORIGINAL DRAWING REVISION "0" SEALED BY H.A. KATZ 04.05.28	2004 COMBINED SEWER RENEWALS FULL LENGTH LINING BY CIPP METHODS	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	City of Winnipeg Certificate of Authorization Wardrop Engineering Inc. No. 195 Expiry: April 30, 2005
400 FM	FEDERMAIN	400 FM	TEE	SURV. U/G STRUCTURES DATE	ISSUED FOR TENDER	ELEV. 232.044m	04.05.28	Checked By: [Signature]	CONSULTANT DRAWING NO. 0400120200-DWG-C2005			
300 LBS	LAND DRAINAGE SEWER	300 LBS	CURB STOP	LEGAL DIMENSION	ISSUED FOR APPROVAL		04.05.28	Designed By: [Signature]				
250 WWS	WASTEWATER SEWER	250 WWS	PLUG	TRAFFIC SIGNAL	NO. REVISIONS			Drawn By: [Signature]				
300 CS	COMBINED SEWER	300 CS	MANHOLE	GAS	DATE			Checked By: [Signature]				
200 FGM	FORCEMAIN	200 FGM	CATCHBASIN	HYDRO	DATE			Approved By: [Signature]				
200 CS	JUNCTIONS	200 CS	CURB INLET	MTS	DATE			Checked For Construction By: [Signature]				
Ø	VALVE	Ø	ADDRESS	LEGEND-PLAN	DATE			Checked For Construction By: [Signature]				
Ø	REDUCER	Ø	HYDRO POLE	LEGEND-PLAN	DATE			Checked For Construction By: [Signature]				
Ø	LEGEND-PLAN	Ø	LIGHT STANDARD	LEGEND-PLAN	DATE			Checked For Construction By: [Signature]				
Ø	LEGEND-PLAN	Ø	LEGEND-PLAN	LEGEND-PLAN	DATE			Checked For Construction By: [Signature]				



WARDROP Engineering Inc.

2004 COMBINED SEWER RENEWALS FULL LENGTH LINING BY CIPP METHODS

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

City of Winnipeg Certificate of Authorization Wardrop Engineering Inc. No. 195 Expiry: April 30, 2005

City Drawing Number 05432

SHEET 4 OF 6

C2005