

LEGEND

PLAN VIEW

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE	—	—
FIRE HYDRANT	+	+
VALVE	⊗	⊗
CURB STOP	⊙	⊙
REDUCER	◁	▷
COUPLING OR SLIDDER	X	X
CROSS	⊕	⊕
BEND — 11.25°, 22.5°, 45°, 90°	⋈	⋈
TEE	⋈	⋈
VERTICAL BEND	⋈	⋈
ANODE	⊕	⊕
REPAIR MARKER	⊕	⊕
PLUG	⊕	⊕
SEWER PIPE	—	—
MANHOLE	⊙	⊙
CATCH BASIN	⊙	⊙
CURB INLET	▽	▽
JUNCTION	⋈	⋈
€ DITCH	—	—
CULVERT	—	—
SURVEY BAR	⊕	⊕
SURVEY MONUMENT	⊕	⊕
TREE — DECIDUOUS	⊕	⊕
TREE — CONIFEROUS	⊕	⊕
HYDRO	—	—
HYDRO POLE	⊕	⊕
LAMP STANDARD	⊕	⊕
HYDRO POLE W/STREET LIGHTING	⊕	⊕
POLE	⊕	⊕
GUY ANCHOR	⊕	⊕
M.T.S. POLE	⊕	⊕
PEDESTAL OR BOX	⊕	⊕
CABINET	⊕	⊕
M.T.S., SHAW, OR VIDEON	⊕	⊕
TRAFFIC SIGNALS	⊕	⊕
TRAFFIC LIGHT STANDARD	⊕	⊕
GAS	⊕	⊕
STEAM	⊕	⊕
FIBRE OPTIC	⊕	⊕
FENCE	⊕	⊕
EDGE OF PAVEMENT OR GUTTER	⊕	⊕
EDGE UNPAVED OR GRAVEL ROAD	⊕	⊕
PROJECTED €	⊕	⊕
LOT LINE	⊕	⊕
SIDEWALK — PATHWAY	⊕	⊕
EASEMENT	⊕	⊕
EDGE OF BUILDING	⊕	⊕
MAILBOX	⊕	⊕
PARKING METER	⊕	⊕
TEST HOLE	⊕	⊕
TREE LINE OR BUSH	⊕	⊕
SURFACE MONITORING POINT	⊕	⊕
UTILITY MONITORING POINT	⊕	⊕
BUILDING MONITORING POINT	⊕	⊕

PROFILE

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE	—	—
HYDRANT TOP	+	+
VALVE	⊗	⊗
TEE OR CROSS	⋈	⋈
COUPLING OR BEND	X	X
REDUCER	◁	▷
END OF PIPE	⊕	⊕
SEWER PIPE	—	—
UNPAVED GROUND SURFACE	⊕	⊕
PAVED GROUND SURFACE — € PIPE	⊕	⊕
GUTTER (NORTH AND WEST)	⊕	⊕
GUTTER (SOUTH AND EAST)	⊕	⊕
€ DITCH (NORTH AND WEST)	⊕	⊕
€ DITCH (SOUTH AND EAST)	⊕	⊕
STRUCTURE	⊕	⊕
MANHOLE OR CATCH BASIN	⊕	⊕

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ℓ	PROPERTY LINE
€	CENTER LINE
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM
B.M.	BENCH MARK
TH	TEST HOLE
ELEV	ELEVATION
INV	INVERT
MIN	MINIMUM
MAX	MAXIMUM
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
ABAND	ABANDONED
BLDG	BUILDING
HSE	HOUSE
CRN	CORNER
OPP	OPPOSITE
C/S OR S/C	CURB STOP
MTS	MANITOBA TELEPHONE SYSTEM
R.O.W.	RIGHT-OF-WAY
WM	WATERMAIN
CULV	CULVERT
MH	MANHOLE
CB	CATCH BASIN
CI	CURB INLET
VERT.	VERTICAL
HORZ.	HORIZONTAL
I.B.	IRON BAR
FIBRE	FIBRE OPTIC
TYP	TYPICAL
X-ING	CROSSING
HYD	HYDRANT
EXIST	EXISTING
N	NORTH
E	EAST
S	SOUTH
W	WEST
W/	WITH
C/W	CONSTRUCTED WITH
CONC	CONCRETE
AC	ASBESTOS CEMENT
VC OR CLAY	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
FRPMP	FIBRE REINFORCED POLYMER MORTAR PIPE

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	13202	COVER
2	13203	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	13204	PLAN / PROFILE — MURRAY AVENUE AT MAIN STREET

CONSTRUCTION NOTES

1. INSTALL NEW SEWER BY TRENCHLESS METHODS.
2. CONFIRM LOCATION OF INTERCEPTOR PRIOR TO CONSTRUCTION.
3. LOCATE EXISTING FEEDER MAIN BY DAYLIGHTING PRIOR TO CONSTRUCTION.
4. NOTIFY CITY 24 HOURS IN ADVANCE OF WORK AROUND FEEDERMAIN.
5. MURRAY AVENUE WWS IS SURCHARGED TO 2.5m ABOVE INVERT. CONTRACTOR RESPONSIBLE FOR PUMPING TO LOWER LEVEL PRIOR TO CONNECTIONS.
6. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
7. BACKFILL IN BOULEVARD TO BE CLASS 5.
8. NOTIFY CITY A MINIMUM OF 5 DAYS IN ADVANCE OF REQUIRING INTERCEPTOR LEVELS BEING LOWERED TO ACCOMMODATE CONNECTION TO INTERCEPTOR.

HATCH PATTERNS

EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
		CONCRETE
		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		METAL
		GRAVEL OR STONE

LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	B.M. ELEV. <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																																										ENGINEER'S SEAL ORIGINAL SIGNED BY J.A. THOMPSON 23/01/20	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION MURRAY AVENUE WASTEWATER SEWER REPLACEMENT INDEX PAGE	SHEET 2 OF 3 CITY DRAWING NUMBER 13203
DESIGNED BY JAT CHECKED BY MGM DRAWN BY ADL APPROVED BY K FITCHETT SCALE: HORIZONTAL 1:250 VERTICAL 1:50 RELEASED FOR CONSTRUCTION S. COURNOYER CONSULTANT DRAWING NUMBER G-1001	DATE 2023 01 19 DATE JAN. 20/23																																												

ENGINEERS
 GEOSCIENTISTS
 MANITOBA
 Certificate of Authorization
 AECOM Canada Ltd.
 No. 4671 Date: JAN. 20/23