

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	D-15380	COVER PAGE
2	D-15381	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	D-15382	ARCHIBALD STREET – PROSPER STREET TO ST CATHERINES STREET
4	D-15383	ARCHIBALD STREET – GUILBAULT STREET TO 220 S OF GUILBAULT STREET
5	D-15384	ARCHIBALD STREET – 220 S OF GUILBAULT STREET TO MAGNOT STREET
6	D-15385	EVANS STREET – 33 N OF ST CATHERINE STREET TO 32 S ST CATHERINES STREET
7	D-15386	BLUEBERRY BAY (S-LEG) – BLUEBERRY BAY (W-LEG) TO DRAKE BOULEVARD
8	D-15387	BLUEBERRY BAY (W-LEG) – BLUEBERRY BAY (N-LEG) TO BLUEBERRY BAY (S-LEG)
9	D-15388	BLUEBERRY BAY (N-LEG) – BLUEBERRY BAY (W-LEG) TO 5 E OF DRAKE BOULEVARD
10	D-15389	BARBERRY ROAD (S-LEG) – 5 E OF DRAKE BOULEVARD TO 105 E OF DRAKE BOULEVARD
11	D-15390	BARBERRY ROAD (S-LEG) – 105 E OF DRAKE BOULEVARD TO 208 E OF DRAKE BOULEVARD
12	D-15391	BARBERRY ROAD (S-LEG) – 208 E OF DRAKE BOULEVARD TO AUTUMNWOOD DRIVE
13	D-15392	CRAWFORD AVENUE – CONISTON STREET TO 80 N OF CONISTON STREET
14	D-15393	CRAWFORD AVENUE – 80 N OF CONISTON STREET TO HIGHFIELD STREET
15	D-15394	DUBUC STREET – SEINE STREET TO 135 E OF SEINE STREET

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ℓ	PROPERTY LINE
ℓ	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

LEGEND

DESCRIPTION	PLAN VIEW		
	ABANDONED	EXISTING	PROPOSED
WATER PIPE	⊗	⊗	⊗
FIRE HYDRANT	⊗	⊗	⊗
VALVE	⊗	⊗	⊗
CURB STOP	⊗	⊗	⊗
REDUCER	⊗	⊗	⊗
COUPLING OR SLIDDER	⊗	⊗	⊗
CROSS	⊗	⊗	⊗
BEND – 11.25°, 22.5°, 45°, 90°	⊗	⊗	⊗
TEE	⊗	⊗	⊗
VERTICAL BEND	⊗	⊗	⊗
ANODE	⊗	⊗	⊗
REPAIR MARKER	⊗	⊗	⊗
PLUG	⊗	⊗	⊗
SEWER PIPE	⊗	⊗	⊗
MANHOLE	⊗	⊗	⊗
CATCH BASIN	⊗	⊗	⊗
CURB INLET	⊗	⊗	⊗
JUNCTION	⊗	⊗	⊗
ℓ 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	⊗	⊗	⊗
ℓ	⊗	⊗	⊗
PROJECTED ℓ	⊗	⊗	⊗
LOT LINE	⊗	⊗	⊗
SIDEWALK – PATHWAY	⊗	⊗	⊗
EASEMENT	⊗	⊗	⊗
EDGE OF BUILDING	⊗	⊗	⊗
MAILBOX	⊗	⊗	⊗
PARKING METER	⊗	⊗	⊗
TEST HOLE	⊗	⊗	⊗
TREE LINE OR BUSH	⊗	⊗	⊗

DESCRIPTION	PROFILE		
	ABANDONED	EXISTING	PROPOSED
WATER PIPE	⊗	⊗	⊗
HYDRANT TOP	⊗	⊗	⊗
VALVE	⊗	⊗	⊗
TEE OR CROSS	⊗	⊗	⊗
COUPLING OR BEND	⊗	⊗	⊗
REDUCER	⊗	⊗	⊗
END OF PIPE	⊗	⊗	⊗
SEWER PIPE	⊗	⊗	⊗
UNPAVED GROUND SURFACE	⊗	⊗	⊗
PAVED GROUND SURFACE – ℓ PIPE	⊗	⊗	⊗
GUTTER (NORTH AND WEST)	⊗	⊗	⊗
GUTTER (SOUTH AND EAST)	⊗	⊗	⊗
ℓ DITCH (NORTH AND WEST)	⊗	⊗	⊗
ℓ DITCH (SOUTH AND EAST)	⊗	⊗	⊗
STRUCTURE	⊗	⊗	⊗
MANHOLE OR CATCH BASIN	⊗	⊗	⊗

CONSTRUCTION NOTES

1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
2. LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO ℓ.
8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

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		B.M. ELEV.		DESIGNED BY TGS CHECKED BY SC		ORIGINAL SIGNED BY S.R.J. COURNOYER 19/03/04	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	2019 WATER MAIN RENEWALS CONTRACT 2	SHEET 2 OF 15 CITY DRAWING NUMBER
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.		DRAWN BY RS APPROVED BY KZ		SCALE: HORIZONTAL 1:250 VERTICAL 1:50 DATE 2019 04 08					
NO. REVISIONS DATE BY		PLOT DATE: 2019 04 08		CONSULTANT DRAWING NUMBER		BID OPPORTUNITY: 200-2019 CONTRACT NUMBER: 2		FILE PATH: R:\DRAWINGS\WATER\RENEWAL\2019 RENEWALS\Contract 2\Construction dwgs\ FILE NAME: INDEX.dwg	