DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	D-15023	COVER PAGE
2	D-15024	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	D-15025	ALLARD AVENUE - GAGNON STREET TO ST CHARLES STREET
4	D-15026	BANNATYNE AVENUE - MAIN STREET TO 19 W OF RORIE STREET
5	D-15027	BANNATYNE AVENUE - 19 W OF RORIE STREET TO 85 E OF RORIE STREET
6	D-15028	BANNATYNE AVENUE - 85 E OF RORIE STREET TO 65 E OF BERTHA STREET
7	D-15029	DANBURY BAY - CAVALIER DRIVE TO DANBURY BAY (W-LEG)
8	D-15030	DANBURY BAY (W-LEG) - DANBURY BAY (S-LEG) TO 66 N OF DANBURY BAY
9	D-15031	DOMINION STREET - WOLSELEY AVENUE TO 81 N OF WOLSELEY AVENUE
10	D-15032	DOMINION STREET - 81 N OF WOLSELEY AVENUE TO 165 N OF WOLSELEY AVENUE
11	D-15033	ST JAMES STREET - 204 S OF SARGENT AVENUE TO 88 S OF SARGENT AVENUE
12	D-15034	ST JAMES STREET - 88 S OF SARGENT AVENUE TO SARGENT AVENUE

LEGEND

DESCRIPTION

PLAN VIEW

EXISTING

PROPOSED

ABANDONED

WMS WASTE WATER SEMER CURB STOP of COURS ST	
WMS	+
WWS WASTE WATER SEWER CURB STOP 0° CS COMBINED SEWER REDUCER □ LDS LAND DRAINAGE SEWER COUPLING OR SLIDDER € PROPERTY LINE CROSS 1º € CENTER LINE BEND = 11.25, 22.5, 45, 90° 1º 1º G.I.S. GEOGRAPHIC INFORMATION SYSTEM TEE 1º B.M. BENCH MARK VERTICAL BEND 1º TH TEST HOLE ANODE 1º ELEV ELEVATION REPAIR MARKER 1º INV INVERT PLUG 3 MIN MINIMUM SEWER PIPE 1º MAX MAXIMUM MANHOLE 0 SL STREET LIGHTING CATCH BASIN □ TS TRAFFIC SIGNALS CURB INLET V ABAND ABANDONED JUNCTION □ BLDG BUILDING □ □ HSE HOUSE © DITCH □ CYS OR S/C CURB STO	
WWS WASTE WATER SEWER CURB STOP d CS COMBINED SEWER REDUCER □ LDS LAND DRAINAGE SEWER COUPLING OR SLIDDER € PROPERTY LINE CROSS □ € CENTER LINE BEND - 11.25, 22.5, 45, 90° □ <th>⊗ ⊗</th>	⊗ ⊗
CS COMBINED SEWER REDUCER	♂ 💣
LDS	<
₹ PROPERTY LINE CROSS HE € CENTER LINE BEND - 11.25', 22.5', 45', 90' HE AND - 11.25', 22.5', 45', 90' HE	x Y
C CENTER LINE BEND - 11.25', 22.5', 45', 90' FI FI FI FI FI FI FI F	Ф Ф
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CRN CORNER CULVERT OPP OPPOSITE SURVEY BAR C/S OR S/C CURB STOP MTS MANITOBA TELEPHONE SYSTEM R.O.W. RIGHT-OF-WAY	
OPP OPPOSITE SURVEY BAR C/S OR S/C CURB STOP SURVEY MONUMENT MTS MANITOBA TELEPHONE SYSTEM R.O.W. RIGHT-OF-WAY	***************************************
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C/S OR S/C MTS MANITOBA TELEPHONE SYSTEM R.O.W. RIGHT-OF-WAY SURVEY MONUMENT TREE - DECIDUOUS	+
MTS MANITOBA TELEPHONE SYSTEM R.O.W. TREE - DECIDUOUS TREE - DECIDUOUS	
R.O.W. RIGHT-OF-WAY	·)
	Mar.
CULV CULVERT	
MH MANHOLE HYDRO	·
	● H
CI CURB INLET LAMP STANDARD	▶ →
	•
HORZ. HORIZONTAL POLE	•
I.B. IRON BAR GUY ANCHOR	.—
	●M
TIBILE OF HO	\boxtimes
HYD HYDRANT	
EXIST EXISTING M.T.S., SHAW, OR VIDEON	
TRAFFIC CIONALO	
TRAFFIC HOUT OF WINDER	•→
OCH CONTROL OF THE CO	
DI DUCTILE IRON LOT LINE	<u></u>
PVC POLYVINYL CHLORIDE SIDEWALK - PATHWAY	
HDPE HIGH DENSITY POLYETHYLENE EASEMENT	
PCCP PRESTRESSED CONCRETE CYLINDER PIPE EDGE OF BUILDING	
MAILBOX	M
PARKING METER	P
TEST HOLE	*
TREE LINE OR BUSH	,

CONSTRUCTION NOTES

1. EXPOSED EXISTING WATER MAIN & CONFIRMED INVERTS PRIOR TO CONSTRUCTION.

- 2. LOCATION OF ALL SERVICES CONFIRMED IN THE FIELD.
- 3. INSTALLED WATER MAIN BY TRENCHLESS METHODS.
- 4. TRENCHES AND EXCAVATIONS WITHIN 1 METER OF A PAVED AREA INCLUDING SIDEWALKS ARE CLASS 3 BACKFILL.
- 5. ALL MATERIALS CONFORMED TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
- 6. MINIMUM COVER TO TOP OF WATER MAIN SHALL BE 2.4 m.
- 7. REPLACED ALL EXISTING LEAD SERVICES FROM PROPOSED WATER MAIN TO P.
- 8. NOTIFIED ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

EXISTING DESCRIPTION ABANDONED PROPOSED WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND 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

PROFILE

HATCH PATTERNS

EXISTING PROPOSED

DESCRIPTION



EARTH OR GROUND ABOVE PIPE

CONCRETE



SAND OR OTHER FINE MATERIAL

WASHED STONE OR GRANULAR MATERIAL



INTERLOCKING STONE

METAL







GRAVEL OR STONE

WARNING IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST: 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.

TO GAS COMPANY INSTALLATIONS.

UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES NOTE: LOCATION OF UNDERGROUND STRUCTURES AS 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 LITTLES DECEMBED. 2) TAKE PRECAUTION TO AVOID DAMAGE SEE PROVINCIAL REGULATION 210/72 FOR DETAILS UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

LOCATION APPROVED

REVISIONS

DESIGNED CHECKED BY DRAWN ΚZ RS SCALE: RELEASED FOR CONSTRUCTION 1:250 HORIZONTAL K.ZUREK VERTICAL 1:50

DATE

DATE

ORIGINAL SIGNED BY S.R.J. COURNOYE 2018/03/22

CONSULTANT DRAWING NUMBER

ENGINEER'S SEAL



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

ENGINEERING DIVISION 2018 WATER MAIN RENEWALS SHEET 2 OF 12

CONTRACT 2

INDEX PAGE

CITY DRAWING NUMBER D-15024

2018 03 22 DATE 2018 03 22 BID OPPORTUNITY: 133-2018 CONTRACT NUMBER: 2 PLOT DATE: 2018 03 23

FILE NAME: Index.dwg

FILE PATH: R:\DRAWINGS\WATER\RENEWAL\2018 RENEWALS\Water Main renewals\Contract 2\Contruction dwgs\