UNDERGROUND & OUTFALL WORKS DRAWING INDEX

SHEET NO.	CITY DRAWING NO. (PWD)	CITY DRAWING NO. (WWD)	CONSULTANT DRAWING NO.	DESCRIPTION
19	-	1-303O-D0005-001	CU-00	UNDERGROUND & OUTRALL WORKS - INDEX SHEET
20	-	1-303O-C0015-001	CU-01	PARK BOULEVARD OUTFALL - PLAN AND PROFILES - S-MA60004165
21	-	1-303O-C0016-001	CU-02	DONCASTER - OUTFALL PLAN AND PROFILES - S-MA70019277
22	-	1-303O-C0017-001	CU-03	OUTFALLS - MISCELLANEOUS DETAILS - S-MA60004165 AND S-MA70019277
23	-	12598	CU-04	FORCEMAIN - PLAN AND PROFILE - S-MA70018599
24	-	12599	CU-05	FORCEMAIN - DETAILS - S-MA70018599
25	-	12600	CU-06	SEWERMAIN - PLAN AND PROFILE - S-MA60006608, S-MA60006609 & S-MA60006610

ABBREVIATIONS

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

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
		RIPRAP

LEGEND

PLAN VIEW

DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		
FIRE HYDRANT		
VALVE		
CURB STOP		
REDUCER		
COUPLING OR SLIDER		
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		
ℙ		
PROJECTED ℙ		
LOT LINE		
SIDEWALK – PATHWAY		
EASEMENT		
EDGE OF BUILDING		
MAILBOX		
PARKING METER		
TEST HOLE		
TREE LINE OR BUSH		
ROCK COLUMN		

PROFILE

DESCRIPTION	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 – ℄ PIPE		
GUTTER (NORTH AND WEST)		
GUTTER (SOUTH AND EAST)		
℄ DITCH (NORTH AND WEST)		
℄ DITCH (SOUTH AND EAST)		
STRUCTURE		

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.

2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

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 WAS OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	20/10/05	RBO

KGS GROUP

DESIGNED BY	NGV	CHECKED BY	RBO
DRAWN BY	GEL	APPROVED BY	RBO
SCALE: HORIZONTAL	NA	RELEASED FOR CONSTRUCTION	
VERTICAL	NA		
DATE	2020 10 05	DATE	–

PLOT DATE: 2020 10 05

ENGINEER'S SEAL

CONSULTANT DRAWING NUMBER
CU-00

TENDER No.: 1173-2019
CONTRACT NUMBER: X

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WELLINGTON CRESCENT
RIVERBANK, PATH AND ROADWAY PROJECT
UNDERGROUND & OUTFALL WORKS
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CITY DRAWING NUMBER
1-3030-D0005-001

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