DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	1-03030-D0008-001	COVER SHEET
2	1-03030-D0009-001	INDEX PAGE
3	1-03030-C0040-001	KINGSTON ROW & DUNKIRK DRIVE OUTFALL - PLAN AND PROFILE - S-MA50017492
4	1-03030-C0041-001	143 KINGSTON ROW OUTFALL - PLAN AND PROFILE - S-MA50014591
5	1-03030-C0042-001	691 TACHE AVENUE OUTFALL - PLAN AND PROFILE - S-MA70047759
6	1-03030-C0043-001	50 EASTWOOD DRIVE OUTFALL - PLAN AND PROFILE - S-MA40000014
7	1-03030-C0044-001	ASSINIBOINE CRESCENT/WINDHAM ROAD OUTFALL - PLAN AND PROFILE - S-MA20005071
8	1-03030-C0045-001	2782 ASSINIBOINE AVENUE OUTFALL - PLAN AND PROFILE - S-MA70073365
9	1-03030-C0046-001	3145 NESS AVENUE OUTFALL A - PLAN AND PROFILE - S-MA20000077
10	1-03030-C0047-001	3145 NESS AVENUE OUTFALL B - PLAN AND PROFILE - S-MA20000072
11	1-03030-C0048-001	937 WELLINGTON CRESCENT OUTFALL - PLAN AND PROFILE - S-MA60007249
12	1-03030-C0049-001	300 DUNKIRK DRIVE OUTFALL - PLAN AND PROFILE - S-MA50011492
13	1-03030-C0050-001	STURGEON ROAD OUTFALL - PLAN AND PROFILE - S-MA20003873
14	1-03030-C0051-001	242 METCALFE AVENUE OUTFALL - PLAN AND PROFILE - S-MA70011115
15	1-03030-C0052-001	1 HART AVENUE OUTFALL - PLAN AND PROFILE - S-MA70043042
16	1-03030-C0053-001	108 SELKIRK AVENUE OUTFALL - PLAN AND PROFILE - S-MA70007427
17	1-03030-C0054-001	WATERFRONT & McDERMOT AVENUE OUTFALL - PLAN AND PROFILE - S-MA70145080
18	1-03030-C0055-001	GRANITE WAY (COLONY FLOOD STATION) OUTFALL - PLAN AND PROFILE - S-MA20014505
19	1-03030-C0056-001	2464 ASSINIBOINE CRESCENT OUTFALL - PLAN AND PROFILE - S-MA20005373
20	1-03030-C0057-001	745 TACHE AVENUE OUTFALL - PLAN AND PROFILE - S-MA70017688
21	1-03030-C0058-001	3087 VIALOUX DRIVE OUTFALL - PLAN AND PROFILE - S-MA60003875
22	1-03030-C0059-001	300 BREDIN DRIVE OUTFALL - PLAN AND PROFILE - S-MA40005212
23	1-03030-C0060-001	521 ST JOHN AMBULANCE WAY OUTFALL - PLAN AND PROFILE - S-MA20011467
24	1-03030-C0061-001	63 BARKER BOULEVARD OUTFALL - PLAN AND PROFILE - S-MA70031713
25	1-03030-C0062-001	MISCELLANEOUS DETAILS - SHEET 1
26	1-03030-C0062-002	MISCELLANEOUS DETAILS - SHEET 2

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

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		
℄		
PROJECTED ℄		
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		
MANHOLE OR CATCH BASIN		

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

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.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	2021 11 05	RBO

KGS GROUP

DESIGNED BY	NGV	CHECKED BY	RBO
DRAWN BY	GEL	APPROVED BY	RBO
SCALE: HORIZONTAL	NA	RELEASED FOR CONSTRUCTION	
SCALE: VERTICAL	NA		
DATE	2021 11 04	DATE	

PLOT DATE: 2021 11 04

ENGINEER'S SEAL
PROVINCE OF MANITOBA
2021-11-05
R. B. OFFMAN
Member
22701
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NUMBER
1-03030-D0009-001

BID OPPORTUNITY: 628-2021
CONTRACT NUMBER:

FILE PATH: P:\Projects\2020\20-0107-010\Dwg\Mun\
FILE NAME: 20-0107-010_2022 COV-IND-DET.dwg

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2020-2021 OUTFALL PROGRAM
CONTRACT 2

INDEX PAGE

SHEET 2 OF 26

CITY DRAWING NUMBER
1-03030-D0009-001