

**DRAWING INDEX**

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**ABBREVIATIONS**

ABAND	ABANDONED
BLDG	BUILDING
B.M.	BENCH MARK
CB	CATCH BASIN
CI	CURB INLET
CL	CENTER LINE
CS	COMBINED SEWER
CULV	CULVERT
C/S	CURB STOP
ELEV	ELEVATION
EXIST	EXISTING
FIBRE	FIBRE OPTIC
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM
HORZ	HORIZONTAL
HSE	HOUSE
HYD	HYDRANT
I.B.	IRON BAR
INV	INVERT
LDS	LAND DRAINAGE SEWER
MIN	MINIMUM
MH	MANHOLE
MTS	MANITOBA TELEPHONE SYSTEM
PL	PROPERTY LINE
R.O.W.	RIGHT-OF-WAY
SL	STREET LIGHTING
TH	TEST HOLE
TS	TRAFFIC SIGNALS
VERT.	VERTICAL
WM	WATERMAIN
WWS	WASTE WATER SEWER
X-ING	CROSSING

**LEGEND**

DESCRIPTION	PLAN VIEW	
	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		
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. TRAFFIC SIGNALS		
TRAFFIC LIGHT STANDARD		
GAS STEAM		
FIBRE OPTIC FENCE		
EDGE OF PAVEMENT OR GUTTER		
EDGE UNPAVED OR GRAVEL ROAD		
LOT LINE		
SIDEWALK - PATHWAY EASEMENT		
EDGE OF BUILDING		
TEST HOLE		

**HATCH PATTERNS**

EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
		CONCRETE
		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		RECENTLY RECONSTRUCTED PAVEMENT

**CONSTRUCTION NOTES**

- ALL PIPE SHALL HAVE CLASS B - TYPE 2 BEDDING.
- INSTALL SEWER BY TRENCHLESS METHODS.
- 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 LOCATIONS OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION. CONTRACTOR TO CONFIRM THE LOCATION OF ALL UTILITIES/SERVICES IN THE FIELD PRIOR TO CONSTRUCTION.
- BACKFILL UNDER PAVEMENT, IN SIDEWALKS, AND WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
- BACKFILL IN BOULEVARD TO BE CLASS 5.
- RENEW SEWER SERVICES TO R.
- INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.
- EXISTING SEWER AND LEAD PIPES SHALL BE INSPECTED IN ADVANCE OF ABANDONMENT OR RECONNECTION TO LDS TO CONFIRM NO LIVE WASTEWATER SERVICE CONNECTIONS REMAIN.
- TICK MARKS ALONG EXISTING SEWER LINES REPRESENT AN ESTIMATION OF THE LOCATION OF ACTIVE SERVICE CONNECTIONS BASED ON A REVIEW OF THE CITY OF WINNIPEG CCTV INSPECTION RECORDS.

DESCRIPTION	PROFILE	
	EXISTING	PROPOSED
PIPE		
HYDRANT TOP		
VALVE		
TEE OR CROSS		
COUPLING OR BEND		
REDUCER		
END OF PIPE		
MANHOLE OR CATCH BASIN		



**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

PROJECT TITLE  
COCKBURN AND CALROSSIE COMBINED SEWER RELIEF WORKS - CONTRACT 6A

DRAWING INDEX AND GENERAL NOTES

SHEET 2 OF 14  
COMPUTER FILE NAME D-0004.dwg  
CITY DRAWING NUMBER LD-9660

**JACOBS** KGS GROUP

DESIGNED BY SDG CHECKED BY MD  
DRAWN BY JBC APPROVED BY [Signature]  
HOR. SCALE: NTS  
VERTICAL: [Signature]  
ISSUED FOR TENDER 20/03/12 JBC  
NO. REVISIONS DATE BY DATE

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
S.D. GODON  
Member  
25524  
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO. D-0004

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