## DRAWING INDEX

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11	LD-9658	CIVIL STANDARD DETAILS

#### **ABBREVIATIONS** ABANDONED ABAND BLDG BUILDING B.M. BENCH MARK CB CATCH BASIN CI CURB INLET CENTER LINE CL 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 МН MANHOLE MTS MANITOBA TELEPHONE SYSTEM PROPERTY LINE PL R.O.W. RIGHT-OF-WAY SL STREET LIGHTING TH TEST HOLE TS TRAFFIC SIGNALS VERT. VERTICAL WM WATERMAIN WWS WASTE WATER SEWER CROSSING X-ING

### HATCH PATTERNS

EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
b & D		CONCRETE
	0° 00 0° 0 0 00	WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		RECENTLY RECONSTRUCTED PAVEMENT

## **LEGEND**

	PLAN VIEW	
DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		organization o consequences o consequences o consequences
FIRE HYDRANT	<b>-</b>	<b>-</b>
VALVE	8	8
CURB STOP	o <sup>x</sup>	<b>6</b>
REDUCER COUPLING OR SLIDDER	<b>⊲</b> ×	X
CROSS	<b>⊕</b>	<del>0</del>
BEND - 11.25°, 22.5°, 45°, 90°	4 4 4	4 4 4 4
TEE	A	A
VERTICAL BEND ANODE	H 💝	H
REPAIR MARKER	8	<b>.</b>
PLUG	ם "	<b>3</b>
SEWER PIPE		
MANHOLE	0	•
CATCH BASIN CURB INLET	□ ▽	<b>.</b>
	1 1	
JUNCTION		
© DITCH		
CULVERT SURVEY BAR	<u>+</u>	
SURVEY MONUMENT	<b>*</b>	<b>*</b>
TREE - DECIDUOUS	$\langle \cdot \rangle$	
TREE - CONIFEROUS		
HYDRO		
HYDRO POLE LAMP STANDARD	*H	
HYDRO POLE W/STREET LIGHTING	H⊕	
POLE	•	
GUY ANCHOR	(—	
M.T.S. POLE	•M	
PEDESTAL OR BOX	<b>\B</b>	
CABINET	$\bowtie$	
M.T.S.		· · · · · · · · · · · · · · · · · · ·
TRAFFIC SIGNALS		exactivation 0 elevandurário 0 eletitodiátido 0 exemenses
TRAFFIC LIGHT STANDARD GAS	• <del>&gt;</del>	equinquintentiplectas 4 4 0 estatembricarioscopicos 5 4 0 esenquindelesenengo
STEAM		
FIBRE OPTIC	annihilation and the allicationation was now development	enterelectronistero esso esso espo estratistrativame esta sina atmosformationalmente
FENCE	<del>x</del>	40,0-X-X
EDGE OF PAVEMENT OR GUTTER EDGE UNPAVED OR GRAVEL ROAL		
LOT LINE		
SIDEWALK - PATHWAY		
EASEMENT		
EDGE OF BUILDING		
TEST HOLE	•	•

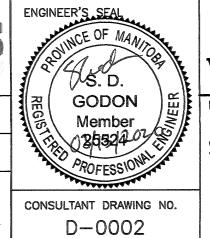
# CONSTRUCTION NOTES

- 1. ALL PIPE SHALL HAVE CLASS B TYPE 2 BEDDING.
- 2. INSTALL SEWER BY TRENCHLESS METHODS.
- 3. 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.
- 4. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, AND WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
- 5. BACKFILL IN BOULEVARD TO BE CLASS 5.
- 6. RENEW SEWER SERVICES TO P.
- 7. INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.
- 8. EXISTING SEWER AND LEAD PIPES SHALL BE INSPECTED IN ADVANCE OF ABANDONMENT OR RECONNECTION TO LDS TO CONFIRM NO LIVE WASTEWATER SERVICE CONNECTIONS REMAIN.
- 9. 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. 10. TRAFFIC CONTROL FOR WORK WITHIN STAFFORD STREET TO BE COORDINATED WITH CONTRACT ADMINISTRATOR AND CITY.

	PROFILE	
DESCRIPTION	EXISTING	PROPOSED
PIPE		
HYDRANT TOP	+	+
VALVE	X	X
TEE OR CROSS		
COUPLING OR BEND		
REDUCER		
END OF PIPE	8	8
MANHOLE OR CATCH BASIN		



ELE							80	20	VAC	ENGINE
						Jo	CO	<b>J</b> 5.	GROUP	1/20/
						DESIGNED BY	SDG	CHECKED BY	MD	REGIS
						DRAWN BY	JBC	APPROVED BY	(KGS Grova)	
						HOR. SCALE: VERTICAL:	NTS	RELEASED CONSTRUCT		CONSU
0	ISSUED	FOR	TENDER	20/03/12	JBC	VERTICAL:		120		
NO.	REVISIONS			DATE	BY	DATE		DATE	*	





THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

COCKBURN AND CALROSSIE COMBINED SEWER RELIEF WORKS - CONTRACT 10A COMPUTER FILE NAME

DRAWING INDEX AND GENERAL NOTES

11 D-0002.dwg CITY DRAWING NUMBER LD-9649