

SHEET NO.	CITY DWG NO.	CONSULTANT DWG. NO.	TITLE
1	LD-7899	D-003	COVERSHEET
2	LD-7900	D-004	INDEX AND GENERAL NOTES
3	LD-7901	C-102	OVERALL PLAN AND MANHOLE SCHEDULE
4	LD-7902	C-221	YALE AVE W FROM STA 1+000 TO 1+100
5	LD-7903	C-222	YALE AVE W FROM STA 1+100 TO 1+210
6	LD-7904	C-223	YALE AVE W FROM STA 1+210 TO 1+310
7	LD-7905	C-224	YALE AVE W FROM STA 1+310 TO 1+410
8	LD-7906	C-225	YALE AVE E FROM STA 1+410 TO 1+520
9	LD-7907	C-226	YALE AVE E FROM STA 1+520 TO 1+620
10	LD-7908	C-227	YALE AVE E FROM STA 1+620 TO 1+730
11	LD-7909	C-228	YALE AVE E FROM STA 1+730 TO 1+840
12	LD-7910	C-229	YALE AVE E FROM STA 1+840 TO 1+950
13	LD-7911	C-230	YALE AVE E FROM STA 1+950 TO LEOLA STREET
14	LD-7912	C-302	BOND STREET FROM YALE AVE W. TO 1+100
15	LD-7913	C-303	BOND STREET FROM STA 1+100 TO 1+200
16	LD-7914	C-304	BOND STREET FROM STA 1+200 TO MELROSE AVE W.
17	LD-7915	C-305	KANATA STREET FROM YALE AVE E. TO VICTORIA AVE E.
18	LD-7916	C-306	WABASHA STREET FROM YALE AVE E. TO VICTORIA AVE E.
19	LD-7917	C-307	ROANOKE STREET FROM STA 1+000 TO 1+110
20	LD-7918	C-308	ROANOKE STREET FROM STA 1+110 TO VICTORIA AVE E.
21	LD-7919	C-309	LEOLA STREET FROM YALE AVE E. TO VICTORIA AVE E.
22	LD-7920	C-502	STANDARD DETAILS

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	EXISTING	PROPOSED
WATER PIPE	---	---
FIRE HYDRANT	+	+
VALVE	⊗	⊗
CURB STOP	⊓	⊓
REDUCER	⊓	⊓
COUPLING OR SLIDDER	X	X
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	⊓	⊓
TREE LINE OR BUSH	⊓	⊓

HATCH PATTERNS

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

CONSTRUCTION NOTES

1. ALL CONCRETE PIPE SHALL HAVE CLASS B - TYPE 3 BEDDING.
2. INSTALL SEWER BY TRENCHLESS METHODS.
3. CONFIRM THE LOCATION OF ALL SEWER AND WATER SERVICES.
4. BACKFILL UNDER PAVEMENT IN REGENT AVENUE TO BE CLASS 1.
5. ALL OTHER BACKFILL IN BOULEVARD, IN SIDEWALK AND NON REGENT AVENUE PAVEMENT AREAS TO BE CLASS 3.

DESCRIPTION	EXISTING	PROPOSED
PIPE	---	---
HYDRANT TOP	+	+
VALVE	⊗	⊗
TEE OR CROSS	⊓	⊓
COUPLING OR BEND	⊓	⊓
REDUCER	⊓	⊓
END OF PIPE	⊓	⊓
MANHOLE OR CATCH BASIN	⊓	⊓



B.M. ELEV. CONSTRUCTION COMPLETION DATE: YYYY MM DD				ENGINEER'S SEAL 			
		DESIGNED BY: MAF	CHECKED BY: MD	CONSULTANT DRAWING NUMBER D-004		TRANSCONA SEWER RELIEF WORKS CONTRACT NO. 2	
		DRAWN BY: JBC	APPROVED BY: ES			SHEET 2 OF 22 CITY DRAWING NUMBER LD-7900	
		SCALE: HORIZONTAL NTS	RELEASED FOR CONSTRUCTION KZ			INDEX AND GENERAL NOTES	
0	ISSUED FOR TENDER	09/16	JBC				
NO.	REVISIONS	DATE	BY	DATE	2016-09-15		

PLOT DATE: 2016 09 12
 BID OPPORTUNITY: 743-2016
 FILE PATH: C:\pw_workdir\den001\cortez1\d0778655\
 FILE NAME: D-004.dwg