

**DRAWING INDEX**

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	10114	INDEX PAGE
2	10115	MARSHALL BAY - 1ST MH N OF BRISBANE AVENUE TO CLARENCE AVENUE
3	10116	CLARENCE AVENUE - MH AT MARSHALL BAY TO MH AT HUDSON STREET
4	10117	CLARENCE AVENUE - MH AT HUDSON STREET TO 1ST MH E OF HUDSON STREET
5	10118	CLARENCE AVENUE - 1ST MH E OF HUDSON STREET TO PEMBINA HIGHWAY
6	10119	1ST BACK LANE W OF PEMBINA HIGHWAY - 35 S OF BOSTON AVENUE TO CLARENCE AVENUE

**ABBREVIATIONS**

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

**LEGEND**

DESCRIPTION	PLAN VIEW	
	EXISTING	PROPOSED
WATER PIPE		
FIRE HYDRANT		
VALVE		
CURB STOP		
REDUCER		
COUPLING OR SLUDDER		
CROSS		
BEND - 11.25', 22.5', 45', 90'		
TEE		
VERTICAL BEND		
ANODE		
REPAIR MARKER		
PLUG		
SEWER PIPE		
MANHOLE		
CATCH BASIN		
CURB INLET		
JUNCTION		
Ø DITCH		
CULVERT		
SURVEY BAR		
SURVEY MONUMENT		
TREE - DECIDUOUS		
TREE - CONIFEROUS		
HYDRO		
HYDRO POLE		
LAMP STANDARD		
HYDRO POLE W/STREET LIGHTING		
POLE		
GLY 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 CUTTER		
EDGE UNPAVED OR GRAVEL ROAD		
Ø		
PROJECTED R		
LOT LINE		
SIDEWALK - PATHWAY		
EASEMENT		
EDGE OF BUILDING		
MAILBOX		
TEST HOLE		
TREE LINE OR BUSH		

  

DESCRIPTION	PROFILE	
	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 - Ø PIPE		
GUTTER (NORTH AND WEST)		
GUTTER (SOUTH AND EAST)		
Ø DITCH (NORTH AND WEST)		
Ø DITCH (SOUTH AND EAST)		
STRUCTURE		
MANHOLE OR CATCH BASIN		

**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 PIPE SHALL HAVE CLASS B - TYPE 2 BEDDING
2. INSTALL SEWER BY TRENCHLESS METHODS.
3. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
4. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
5. BACKFILL IN BOULEVARD TO BE CLASS 5.
6. RENEW SEWER SERVICES TO PL.
7. INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.

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. CONSTRUCTION COMPLETION DATE: YYYY MM DD	ENGINEER'S SEAL  ORIGINAL SIGNED BY S.R.J. COURNOYER 12/05/07		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION  2012 MARSHALL BAY SEWER RENEWAL	SHEET 1 OF 6 CITY DRAWING NUMBER 10114
	DESIGNED BY TS CHECKED BY SC DRAWN BY CJH APPROVED BY KZ SCALE: HORIZONTAL 1:250 VERTICAL 1:50 NO. REVISIONS DATE BY DATE 2012 05 07	RELEASED FOR CONSTRUCTION CONSULTANT DRAWING NUMBER PLOT DATE: 2012 05 07	INDEX PAGE		