

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
℄	PROPERTY LINE
℄	CENTER LINE
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM
B.M.	BENCH MARK
TH	TEST HOLE
ELEV	ELEVATION
INV	INVERT
MIN	MINIMUM
MAX	MAXIMUM
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
ABAND	ABANDONED
BLDG	BUILDING
HSE	HOUSE
CRN	CORNER
OPP	OPPOSITE
C/S OR S/C	CURB STOP
MTS	MANITOBA TELEPHONE SYSTEM
R.O.W.	RIGHT-OF-WAY
WM	WATER MAIN
CULV	CULVERT
MH	MANHOLE
CB	CATCH BASIN
CI	CURB INLET
VERT.	VERTICAL
HORZ.	HORIZONTAL
I.B.	IRON BAR
FIBRE	FIBRE OPTIC
TYP	TYPICAL
X-ING	CROSSING
HYD	HYDRANT
EXIST	EXISTING
N	NORTH
E	EAST
S	SOUTH
W	WEST
W/	WITH
C/W	CONSTRUCTED WITH
CONC	CONCRETE
AC	ASBESTOS CEMENT
VC OR CLAY	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE

HATCH PATTERNS

EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
		CONCRETE
		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE (NOT SHOWN AT 1:250 SCALE FOR CLARITY)
		METAL
		GRAVEL OR STONE

LEGEND

DESCRIPTION	PROFILE		DESCRIPTION	PLAN VIEW	
	EXISTING	PROPOSED		EXISTING	PROPOSED
WATER PIPE			WATER PIPE		
HYDRANT TOP			FIRE HYDRANT VALVE		
VALVE			CURB STOP REDUCER		
TEE OR CROSS			COUPLING OR SLIDER CROSS		
COUPLING OR BEND			BEND - 11.25°, 22.5°, 45°, 90°		
REDUCER			TEE		
END OF PIPE			VERTICAL BEND		
SEWER PIPE			WALL HYDRANT ANODE		
UNPAVED GROUND SURFACE			REPAIR MARKER PLUG		
PAVED GROUND SURFACE - ℄ PIPE			SEWER PIPE MANHOLE		
GUTTER (NORTH AND WEST)			CATCH BASIN		
GUTTER (SOUTH AND EAST)			CURB INLET		
℄ DITCH (NORTH AND WEST)			GAS METER BOLLARDS		
℄ DITCH (SOUTH AND EAST)			JUNCTION		
STRUCTURE			℄ DITCH CULVERT		
MANHOLE OR CATCH BASIN			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		
			EASEMENT		
			EDGE OF BUILDING		
			MAILBOX		
			PARKING METER		
			TEST HOLE		
			TREE LINE OR BUSH		

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	D-14383	INDEX PAGE - DRAWING INDEX, DESIGN NOTES, LEGEND & ABBREVIATIONS
2	D-14384	UNIVERSITY CRESCENT - THATCHER DR TO MARKHAM RD
3	D-14385	ROBLIN BOULEVARD - 818.2m WEST OF SHAFTESBURY BLVD TO 494.7m WEST OF SHAFTESBURY BLVD
4	D-14386	ROBLIN BOULEVARD - 494.7m WEST OF SHAFTESBURY BLVD TO 134.7m WEST OF SHAFTESBURY BLVD
5	D-14387	ROBLIN BOULEVARD/CORYDON AVENUE - 1134.7m WEST OF SHAFTESBURY BLVD TO 44m EAST OF BOWER BLVD
6	D-14388	CORYDON AVENUE - 44m EAST OF BOWER BLVD TO BOREHAM BLVD

CONSTRUCTION NOTES

- CHAINAGE SHOWN IS MEASURED DOWN THE CENTERLINE OF THE EXISTING WATERMAIN.
- LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
- NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWN OR DISRUPTION OF SERVICE.
- EXCAVATIONS WITHIN 1 METER OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE BACKFILLED TO CLASS 3 BACKFILL REQUIREMENTS.
- RESTORE ALL DISTURBED SURFACES AND EXCAVATIONS TO A CONDITION EQUAL TO OR BETTER THAN PRECONSTRUCTION CONDITIONS.
- ELEVATION OF EXISTING WATER MAIN IS UNKNOWN. ASSUMED TO BE IN THE RANGE OF 2.4 TO 3.0m.



LOCATION APPROVED UNDERGROUND STRUCTURES		BENCHMARK 654233 234.327 CORYDON AVE AND SHAFTESBURY BLVD, IN MEDIAN, TBLT, IN 7.5 m CONC PILE, BENEATH VALVE BOX IN LEFT TURN LANE 4.2 m S OF CL OF W BOUND TRAFFIC LANE OF CORYDON AVE AND 10.4 m E OF CL OF PAVT OF SHAFESBURY BLVD	
SUPR. U/G STRUCTURES	DATE		
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.			
NO.	ISSUED FOR TENDER	16/07/14	SE
NO.	REVISIONS	YY/MM/DD	BY

AECOM	
DESIGNED BY GSK	CHECKED BY
DRAWN BY SE	APPROVED BY
HOR. SCALE N/A	RELEASED FOR CONSTRUCTION
VERT. SCALE N/A	DATE

PROFESSIONAL'S SEAL
CONSULTANT DRAWING NO. G-0001

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATERMAIN REHABILITATION

INDEX PAGE

DRAWING INDEX, DESIGN NOTES, LEGEND & ABBREVIATIONS

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