SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE	
1	D-16244	COVER PAGE	
2	D-16245	DRAWING INDEX	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVATIONS
3	D-16246	BALFOUR AVENUE	8.2 E OF OSBORNE STREET TO 100.0 E OF OSBORNE STREET
4	D-16247	BALFOUR AVENUE	100.0 E OF OSBORNE STREET TO 16.4 W OF HAY STREET
5	D-16248	BALFOUR AVENUE	16.4 W OF HAY STREET TO 64.0 W OF CASEY STREET
6	D-16249	BALFOUR AVENUE	64.0 W OF CASEY STREET TO 50.9 E OF CASEY STREET
7	D-16250	BALFOUR AVENUE	50.9 E OF CASEY STREET TO 8.8 E OF FISHER STREET
8	D-16251	CASEY STREET	4.3 N OF BALTIMORE ROAD TO 9.1 N OF ASHLAND AVENUE
9	D-16252	CASEY STREET	9.1 N OF ASHLAND AVENUE TO 6.5 S OF BALFOUR AVENUE
10	D-16253	CASEY STREET	6.5 S OF BALFOUR AVENUE TO CLARE AVENUE
11	D-16254	CLARE AVENUE	4.1 W OF CASEY STREET TO 75.0 E OF CASEY STREET
12	D-16255	CLARE AVENUE	75.0 E OF CASEY STREET TO 27.5 E OF FISHER STREET
13	D-16256	CLARE AVENUE	27.5 E OF FISHER STREET TO 24.9 W OF MABEL STREET
14	D-16257	CLARE AVENUE	24.9 W OF MABEL STREET TO 64.9 E OF MABEL STREET
15	D-16258	CLARE AVENUE	64.9 E OF MABEL STREET TO ECCLES STREET
16	D-16259	FISHER STREET	5.1 N OF BALFOUR AVENUE TO CLARE AVENUE

DRAWING INDEX

WASTE WATER SEWER COMBINED SEWER CS LDS LAND DRAINAGE SEWER PROPERTY LINE CENTER LINE G.I.S. GEOGRAPHIC INFORMATION SYSTEM B.M. BENCH MARK TEST HOLE ELEV ELEVATION INVERT INV MINIMUM MAXIMUM STREET LIGHTING TS TRAFFIC SIGNALS ABAND ABANDONED BLDG BUILDING HOUSE CORNER CRN OPP OPPOSITE C/S OR S/C CURB STOP MANITOBA TELEPHONE SYSTEM MTS R.O.W. RIGHT-OF-WAY WATERMAIN CULVERT CULV MANHOLE CB CATCH BASIN CURB INLET VERT. VERTICAL HORIZONTAL HORZ. I.B. IRON BAR FIBRE OPTIC TYP TYPICAL X-ING CROSSING HYDRANT **EXISTING** NORTH EAST SOUTH WEST C/W CONSTRUCTED WITH CONC CONCRETE ASBESTOS CEMENT VITRIFIED CLAY CAST IRON DUCTILE IRON PVC. POLYVINYL CHLORIDE

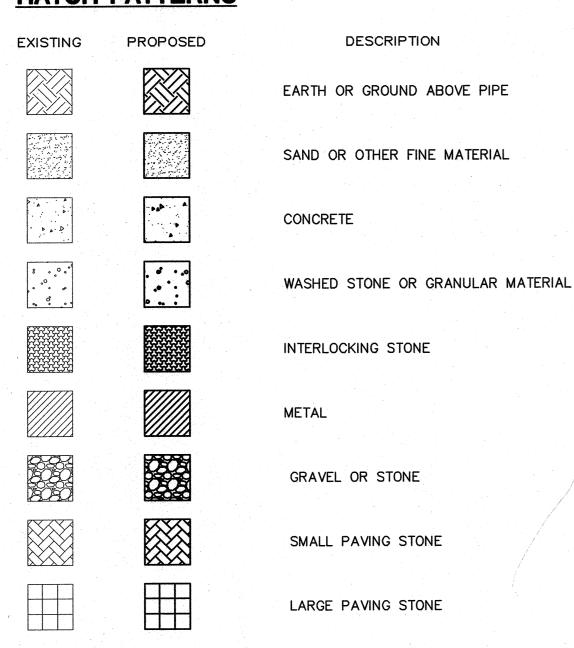
HIGH DENSITY POLYETHYLENE

PRESTRESSED CONCRETE CYLINDER PIPE

ABBREVIATIONS

PLAN VIEW PROPOSED DESCRIPTION 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 C====== CULVERT SURVEY BAR SURVEY MONUMENT TREE - DECIDUOUS TREE - CONIFEROUS **HYDRO** _____ HYDRO POLE LAMP STANDARD GUY ANCHOR PEDESTAL OR BOX CABINET M.T.S., SHAW, OR VIDEON TRAFFIC SIGNALS TRAFFIC LIGHT STANDARD STEAM FIBRE OPTIC FENCE EDGE OF PAVEMENT OR GUTTER _____ EDGE UNPAVED OR GRAVEL ROAD _____ LOT LINE SIDEWALK - PATHWAY ______ EASEMENT EDGE OF BUILDING MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH **PROFILE EXISTING** PROPOSED DESCRIPTION WATER PIPE HYDRANT TOP _____ VALVE TEE OR CROSS COUPLING OR BEND ----REDUCER _____ END OF PIPE SEWER PIPE UNPAVED GROUND SURFACE ---€ ROAD _____ MANHOLE OR CATCH BASIN

HATCH PATTERNS



CONSTRUCTION NOTES

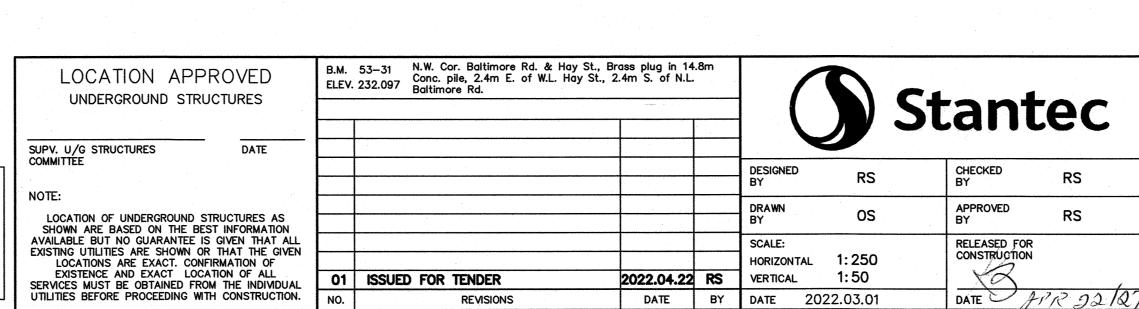
- 1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
- 2. LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
- 3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
- 4. TRENCHES AND EXCAVATIONS WITHIN 1.0 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
- 5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.

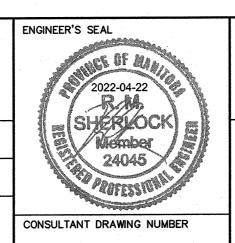
01 ISSUED FOR TENDER

- 6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
- 7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO P/L.
- 8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

HDPE

PCCP





Winnipeg

LEGEND

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

ENGINEERING DIVISION

2022 WATERMAIN RENEWALS CONTRACT 5

SHEET 02 OF 16 CITY DRAWING NUMBER D-16245

DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS

WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

Certificate of Authorization **METRIC**

ENGINEERS
GEOSCIENTISTS

Stantec Consulting Ltd.

No. 1301

MANITOBA

DATE 1/2 22/27 DATE BY DATE 2022.03.01

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2022.04.22 RS VERTICAL

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