

DRAWING INDEX

| SHEET NUMBER | CITY OF WINNIPEG DRAWING NUMBER | DRAWING TITLE |
|--------------|---------------------------------|---|
| 2 | D-XXXX1 | INDEX PAGE |
| 3 | D-XXXX2 | ST. MARY AVENUE – VAUGHAN ST TO 10.637 EWL KENNEDY ST |
| 4 | D-XXXX3 | ST. MARY AVENUE – 9.477 WEL KENNEDY ST TO EDMONTON ST |

ABBREVIATIONS

| | |
|------------|-------------------------------------|
| WWS | WASTE WATER SEWER |
| CS | COMBINED SEWER |
| LDS | LAND DRAINAGE SEWER |
| ℙ | 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 | WATERMAIN |
| 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 |
| FM | FEEDERMAIN |
| FCM | FORCE MAIN (PRESSURIZED SEWER MAIN) |

LEGEND

| DESCRIPTION | PLAN VIEW | | |
|--------------------------------|-----------|----------|----------|
| | ABANDONED | EXISTING | PROPOSED |
| 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 | | | |
| ℄ 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., 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 | | | |
| SIDEWALK – PATHWAY | | | |
| EASEMENT | | | |
| EDGE OF BUILDING | | | |
| MAILBOX | | | |
| PARKING METER | | | |
| TEST HOLE | | | |
| TREE LINE OR BUSH | | | |

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

HATCH PATTERNS

| | | |
|--|--|-----------------------------------|
| | | EARTH OR GROUND ABOVE PIPE |
| | | SAND OR OTHER FINE MATERIAL |
| | | CONCRETE |
| | | WASHED STONE OR GRANULAR MATERIAL |
| | | INTERLOCKING STONE |
| | | METAL |
| | | GRAVEL OR STONE |

| DESCRIPTION | PROFILE | | |
|-------------------------------|-----------|----------|----------|
| | ABANDONED | 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 – ℄ PIPE | | | |
| GUTTER (NORTH AND WEST) | | | |
| GUTTER (SOUTH AND EAST) | | | |
| ℄ DITCH (NORTH AND WEST) | | | |
| ℄ DITCH (SOUTH AND EAST) | | | |
| STRUCTURE | | | |
| MANHOLE OR CATCH BASIN | | | |

| | | | | | | | | |
|--|--|--|--|--|--|---|---|--|
| LOCATION APPROVED UNDERGROUND STRUCTURES | | VERTICAL DATUM: CGVD28 (HT2.0 Geoid) | | DESIGNED BY N.T. CHECKED BY K.G. | | ENGINEER'S SEAL | THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION | |
| SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____ | | HORIZONTAL DATUM: NAD83 (June 1990), Zone 14 | | DRAWN BY N.T. APPROVED BY S.M. | | | | |
| 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. | | SCALE: HORIZONTAL 1:250 VERTICAL 1:50 | | RELEASED FOR CONSTRUCTION _____ | | CONSULTANT DRAWING NUMBER CA0051531.7175-18 | 2026 WATER MAIN RENEWALS INDEX PAGE | |
| NO. _____ REVISIONS _____ DATE (mm/WW/YY) _____ BY _____ | | DATE 2026 02 02 | | DATE _____ | | | | |
| PLOT DATE: 2026 02 02 | | BID OPP: 3-2026 CONTRACT NUMBER: | | FILE PATH: L:\Projects\2025\02 - Transportation\CA0051531.7175 - Downtown Street Renewals 794-2024A\02 Drawings\03_WorkL | | FILE NAME: CA0051531.7175_COW_Water_Index Page_A1.dwg | | |
| | | | | | | SHEET 18 OF 36 CITY DRAWING NUMBER D-XXXX1 | | |