## DRAWING INDEX

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| 36 | 12158 | IRENE STREET – MH AT CLARENCE AVENUE TO 2ND MH N OF CLARENCE AVENUE |
| 37 | 12159 | LOCKWOOD STREET – 2ND MH N OF WILLOW AVENUE TO 3RD MH N OF WILLOW AVENUE |
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| 42 | 12164 | MUNICIPAL ROAD – 1ST MH S LACASA BAY TO MH AT RANNOCK AVENUE |

## 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 |
| 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 |
| 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 |

## CONSTRUCTION NOTES

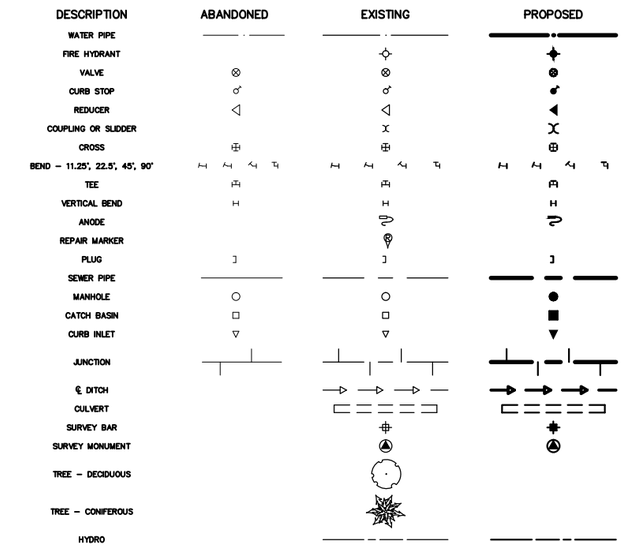
1. ALL PIPE SHALL HAVE CLASS B – TYPE 2 BEDDING
2. INSTALL SEWER BY TRENCHLESS METHODS.
3. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
4. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
5. BACKFILL IN BOULEVARD TO BE CLASS 5.
6. RENEW SEWER SERVICES TO ℙ.
7. INSTALL SEWER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

## HATCH PATTERNS

AREA OF REPAIR ON PIPE

## LEGEND

### PLAN VIEW




52.0 | MEASUREMENT TO REPAIR FROM REFERENCE MH SHOWN THUS... 0.0 MH

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.

| NO. | REVISIONS | DATE | BY |
|---|---|---|---|

| | | | |
|---|---|---|---|
| DESIGNED BY | SC | CHECKED BY | SC |
| DRAWN BY | RS | APPROVED BY | KZ |
| SCALE: HORIZONTAL VERTICAL | | RELEASED FOR CONSTRUCTION | K.ZUREK |
| DATE | 2019 03 06 | DATE | 2019 03 06 |

PLOT DATE: 2018 05 16

ENGINEER'S SEAL

ORIGINAL SIGNED BY S.R.J. COURNOYER 19/03/05

CONSULTANT DRAWING NUMBER
–

Winnipeg

# THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2018 SEWER MAIN RENEWALS
CONTRACT 3

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12124

BID OPPORTUNITY: 146–2019
CONTRACT NUMBER: 3

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FILE NAME: INDEX PAGE–2.dwg