

DRAWING INDEX

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ABBREVIATIONS

| | |
|------------|------------------------------------|
| WWS | WASTE WATER SEWER |
| CS | COMBINED SEWER |
| LDS | LAND DRAINAGE SEWER |
| ℓ | PROPERTY LINE |
| ℓ | 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 |
| M/S | MANITOBA TELEPHONE SYSTEM |
| R.O.W. | RIGHT-OF-WAY |
| WM | WATERMAIN |
| CULV | CULVERT |
| MH | MANHOLE |
| CB | CATCH BASIN |
| CI | CURB INLET |
| VERT. | VERTICAL |
| HORIZ. | 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 |

LEGEND

| DESCRIPTION | EXISTING | PROPOSED |
|--------------------------------|-----------|-----------|
| WATER PIPE | — — — — — | — — — — — |
| FIRE HYDRANT | ⊕ | ⊕ |
| VALVE | ⊗ | ⊗ |
| CURB STOP | ⊕ | ⊕ |
| REDUCER | ◁ ▷ | ◁ ▷ |
| COUPLING OR SLUDDER | X | X |
| CROSS | ⊕ | ⊕ |
| BEND - 11.25°, 22.5°, 45°, 90° | H H H H | H H H H |
| TEE | H | H |
| VERTICAL BEND | H | H |
| ANODE | ⊕ | ⊕ |
| REPAIR MARKER | ⊕ | ⊕ |
| PLUG | J | J |
| SEWER PIPE | — — — — — | — — — — — |
| MANHOLE | ○ | ● |
| CATCH BASIN | □ | ■ |
| CURB INLET | v | v |
| JUNCTION | — — — — — | — — — — — |
| ℓ 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. | — — — — — | — — — — — |
| TRAFFIC SIGNALS | — — — — — | — — — — — |
| TRAFFIC LIGHT STANDARD | ⊕ | ⊕ |
| GAS | — — — — — | — — — — — |
| STEAM | — — — — — | — — — — — |
| FIBRE OPTIC | — — — — — | — — — — — |
| FENCE | X | X |
| EDGE OF PAVEMENT OR GUTTER | — — — — — | — — — — — |
| EDGE UNPAVED OR GRAVEL ROAD | — — — — — | — — — — — |
| ℓ | — — — — — | — — — — — |
| PROJECTED ℓ | — — — — — | — — — — — |
| LOT LINE | — — — — — | — — — — — |
| SIDEWALK - PATHWAY | — — — — — | — — — — — |
| EASEMENT | — — — — — | — — — — — |
| EDGE OF BUILDING | ⊕ | ⊕ |
| MAILBOX | ⊕ | ⊕ |
| TEST HOLE | ⊕ | ⊕ |
| TREE LINE OR BUSH | ⊕ | ⊕ |

HATCH PATTERNS

EXTERNAL POINT REPAIR

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

| | | | | | |
|---|-------------------|-----------------|--|---|--|
| <p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE DATE</p> <p>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.</p> | <p>B.M. ELEV.</p> | | <p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY H.A. KATZ 2020 03 02</p> | <p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p> <p>2020 SEWER RENEWALS BY CIPP LINING (LARGE DIAMETER) CONTRACT 3</p> <p>INDEX PAGE</p> | <p>SHEET 2 OF 17 CITY DRAWING NUMBER 12361</p> |
| | | | <p>DESIGNED BY JKH</p> <p>CHECKED BY HAK</p> <p>DRAWN BY DML</p> <p>APPROVED BY BWB</p> <p>SCALE: HORIZONTAL VERTICAL</p> <p>RELEASED FOR CONSTRUCTION STACY COURNOYER</p> <p>DATE 2020/03/02</p> <p>CONSULTANT DRAWING NUMBER</p> | | |
| <p>NO.</p> | <p>REVISIONS</p> | <p>YY/MM/DD</p> | <p>BY</p> | <p>DATE 2019/12/16</p> | <p>DATE 2020/03/02</p> |