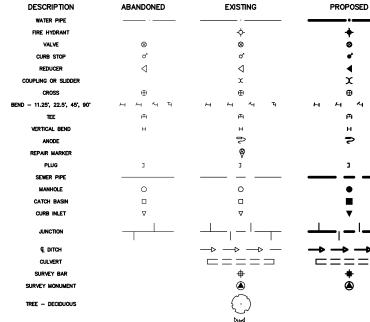
#### **DRAWING INDEX** DRAWING TITLE 12038 COVER PAGE 2 12039 DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS 12040 ALEXANDER AVENUE - 1ST MH E OF PRINCESS STREET TO MH AT KING STREET. 12041 AUTUMNWOOD DRIVE - MH AT DE BOURMONT BAY (E-LEG) TO 1ST MH E OF DE BOURMONT BAY (E-LEG). 12042 BERKSHIRE BAY - 1ST MH W OF DRAKE BOULEVARD. 12043 BERKSHIRE BAY - 1ST MH W OF DRAKE BOULEVARD. 12044 CORAL CRESCENT (W-LEG) - 2ND MH N OF CORAL CRESCENT (S-LEG) TO MH AT COTTONWOOD ROAD. 12045 COTTONWOOD ROAD (BACK LANE) - 1ST MH N COTTONWOOD ROAD. 12046 COTTONWOOD ROAD (S OF @) - MH AT AUTUMNWOOD DRIVE (W OF @) TO MH AT AUTUMNWOOD DRIVE (@). 12047 CRESTWOOD CRESCENT $(\P)$ - 2ND MH E OF AUTUMNWOOD DRIVE. 11 12048 DAY STREET - MH AT MELROSE AVENUE EAST TO MH AT REGENT AVENUE EAST. 12 12049 ELGIN AVENUE - 2ND MH W OF PRINCESS STREET. 13 12050 ELIZABETH ROAD - 1ST MH E OF HANSFORD ROAD TO MH AT HANSFORD ROAD. 12051 KERN DRIVE - 3RD MH E OF WABASHA STREET. 14 15 12052 McDERMONT AVENUE - 1ST MH E OF HARGRAVE STREET. 16 12053 PEMBROKE ROAD - 1ST MH E OF WESTMOUNT DRIVE. 17 12054 REDONDA STREET - 1ST MH S OF KILDARE AVENUE EAST TO MH AT KILDARE AVENUE EAST. 12055 REGENT AVENUE WEST - 1ST MH E OF BOND STREET TO MH AT BOND STREET. 19 12056 ROSSEAU AVENUE WEST - 1ST MH W OF WINONA STREET TO MH AT WINONA STREET. 20 12057 VICTORIA AVENUE EAST - 1ST MH W OF ROANOKE STREET TO MH AT WABASHA STREET. 21 12058 VIVIAN AVENUE - 1ST MH E OF DES MEURONS STREET TO MH AT DES MEURONS STREET. 22 12059 WHITTIER AVENUE EAST - 1ST MH E OF ROANOKE STREET TO MH AT ROANOKE STREET. 23 12060 WHITTIER AVENUE WEST - MH AT MADELINE STREET. 24 12068 WOODYDELL AVENUE - 3RD MH W OF BRAMTON STREET TO 2ND MH W OF BRAMTON STREET.

## **ABBREVIATIONS**

wws	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
P.	PROPERTY LINE
Ē	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 <sub>.</sub>	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



••

 $\boxtimes$ 

. . . . . . . . .

**LEGEND** 

**PLAN VIEW** 

# **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**



DATE 2019-01-25

AREA OF REPAIR ON PIPE

## MAILBOX TEST HOLE

MEASUREMENT TO REPAIR FROM REFERENCE MH SHOWN THUS...  $\bigcup_{MH}$ 

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

B.M. ELEV. LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DESIGNED CHECKED SC MJK DRAWN APPROVED 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. ΚZ SCALE: RELEASED FOR HORIZONTAL K.ZUREK VERTICAL

DATE BY

DATE 2019 01 25

REVISIONS

**ORIGINAL** SIGNED BY S.R.J. **COURNOYER** 19/01/24

CONSULTANT DRAWING NUMBER

BID OPPORTUNITY: 40-2019 CONTRACT NUMBER: 9



**ENGINEERING DIVISION** 2018 SEWER MAIN RENEWALS

CONTRACT 9

INDEX PAGE

SHEET **2** OF **24** CITY DRAWING NUMBER

12039

FILE NAME: INDEX PAGE.dwg

HYDRO POLE

IYDRO POLE W/STREET LIGHTIN

POLE GUY ANCHOR

M.T.S. POLE

M.T.S. TRAFFIC SIGNALS

GAS

FIBRE OPTIC

EDGE OF PAVEMENT OR GUTTER EDGE UNPAVED OR GRAVEL ROAD

PROJECTED P

SIDEWALK - PATHWAY