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HATCH PATTERNS

EXTERNAL POINT REPAIR LOCATION

CONSTRUCTION NOTES

- CONFIRM LOCATIONS OF ALL SEWER SERVICES.
- TRENCHES AND EXCAVATIONS UNDER ROAD PAVEMENT AND/OR WITHIN 0.45m OF A ROAD PAVEMENT EDGE SHALL BE CLASS 1 BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. TRENCHES AND EXCAVATIONS UNDER AND/OR WITHIN 1.0m OF ANY OTHER PAVED SURFACE, INCLUDING APPROACHES AND SIDEWALKS, SHALL BE CLASS 3 BACKFILL.
- EXCAVATIONS MORE THAN 1 METRE FROM PAVEMENT TO BE CLASS 5 BACKFILL.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
PL	PROPERTY LINE
CL	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	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE

LEGEND

EXISTING	PROPOSED


**ENGINEERS
GEOSCIENTISTS
MANITOBA**
 Certificate of Authorization
 Stantec Consulting Ltd.
 No. 1301

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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.

00	ISSUED FOR TENDER	24.04.22	RS
NO.	REVISIONS	DATE	BY


B.M. ELEV.			


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DESIGNED BY	RS	CHECKED BY	WB
DRAWN BY	ZA/OS	APPROVED BY	RS
HOR. SCALE:	1:750	RELEASED FOR CONSTRUCTION:	SC
VERTICAL:		DATE	24.04.17
DATE	23.03.02		

ENGINEER'S SEAL

CONSULTANT DRAWING NO.
G-002


THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2024 SEWER RENEWALS BY CIPP LINING (LARGE DIAMETER)
 CONTRACT 5
INDEX PAGE

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02	08
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