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CONSTRUCTION NOTES

1. CONTRACTOR SHALL CONFIRM SEWER LOCATIONS PRIOR TO EXCAVATIONS.
2. EXCAVATIONS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATIONS AND MANITOBA WORKPLACE SAFETY AND HEALTH REGULATIONS.
3. ACCESS SHAFTS MAY BE LOCATED AT EXISTING MANHOLES OR AT MID PIPE LOCATIONS, EXCEPT WHERE NOTED OTHERWISE.
4. SEWER CLOSURES AND MANHOLE RECONSTRUCTION SHALL BE COMPLETED AS PER THE DRAWINGS AND DETAILS.
5. CONTRACTOR SHALL NOT ENCROACH ON PRIVATE PROPERTY
6. SEWER SERVICES WITHIN EXCAVATION LOCATIONS MUST BE MAINTAINED IN FUNCTIONING ORDER AT ALL TIMES. CATCH BASIN LEADS MAY BE BLOCKED DURING FREEZING WEATHER, BUT MUST BE PUMPED OUT DURING WET WEATHER OR MELTING CONDITIONS. ANY SERVICE CONNECTIONS SERVICING PRIVATE PROPERTY MUST BE MAINTAINED IN FUNCTIONING ORDER.
7. EXCAVATIONS WITHIN 1 METER OF A PAVED AREA, INCLUDING SIDEWALKS, SHALL BE CLASS 3 BACKFILL. EXCAVATIONS MORE THAN 1 METER FROM PAVEMENT SHALL BE CLASS 5 BACKFILL.
8. REFER TO TRAFFIC MANAGEMENT DRAWINGS, SPECIFICATIONS, AND APPENDIX C FOR TRAFFIC CONTROL REQUIREMENTS.
9. CONTRACTOR SHALL RESTORE ALL SITES TO ORIGINAL CONDITION OR BETTER.
10. PAVEMENT REPAIRS SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY OF WINNIPEG’S STREET CUTS MANUAL.
11. REFER TO SPECIFICATION FOR FLOW CONTROL REQUIREMENTS.
12. FLOW BYPASS HOSES AND PIPING SHALL BE RAMPED AT ALL VEHICLE CROSSINGS, INCLUDING ROADWAYS AND ACTIVE DRIVEWAYS.

HATCH PATTERNS

	EXTERNAL POINT REPAIR LOCATION
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	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE

ABBREVIATIONS

	DESCRIPTION
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	
ℙ	
PROJECTED ℙ	
LOT LINE	
SIDEWALK – PATHWAY	
EASEMENT	
EDGE OF BUILDING	
TEST HOLE	
TREE LINE OR BUSH	
TENDER NO. 741-2025	

LEGEND

EXISTING	PROPOSED

**ENGINEERS
GEOSCIENTISTS
MANITOBA**

Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

ENGINEER'S SEAL



CONSULTANT DRAWING NO.
G-002



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2024 TRENCHLESS REHABILITATION OF NON-CIRCULAR COMBINED SEWERS
CONTRACT 4
INDEX PAGE

SHEET	OF
02	08
CAD FILE DRAWING NUMBER	
00066g-002.dwg	
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13633	

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.			
00	ISSUED FOR CONSTRUCTION	25.10.29	NJK
NO.	REVISIONS	DATE	BY

**Stantec**

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DESIGNED BY	NJK	CHECKED BY	ADB
DRAWN BY	MR	APPROVED BY	ADB
HOR. SCALE:	1:750	RELEASED FOR CONSTRUCTION:	STACY COURNOYER, P. ENG
VERTICAL:			
DATE	25.01.16	DATE	25.10.15