CITY OF WINNIPEG DRAWING TITLE DRAWING NUMBER COVER PAGE D-16598 D-16599 DRAWING INDEX DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVATIONS D-16600 CLIFTON STREET 6.5 S OF PORTAGE AVENUE TO 57.3 N OF PORTAGE AVE CLIFTON STREET D-16601 10.4 S OF RIDDLE AVENUE TO 7.2 N OF PERCY AVENUE D-16602 CLIFTON STREET 58.5 S OF BARRATT AVENUE TO 26.2 N OF BARRATT AVENUE D-16603 CLIFTON STREET 26.2 N OF BARRATT AVENUE TO 126.2 N OF BARRATT AVENUE D-16604 CLIFTON STREET 45.4 S OF WOLEVER AVENUE TO WOLEVER AVENUE D-16605 ISABEL STREET 65.0 S OF BANNATYNE AVENUE TO 45.0 N OF BANNATYNE AVENUE D-16606 56.2 S OF WILLIAM AVENUE TO 23.7 N OF WILLIAM AVENUE ISABEL STREET 10 D-16607 ISABEL STREET 57.3 S OF ELGIN AVENUE TO 17.1 N OF ELGIN AVENUE D-16608 ISABEL STREET 57.3 S OF ROSS AVENUE TO 22.6 N OF ROSS AVENUE 12 D-16609 MAIN STREET 10.0 S OF YORK AVENUE TO 70.0 N OF YORK AVENUE 13 D-16610 MAIN STREET 83.4 S OF ST MARY AVENUE TO 11.5 N OF ST MARY AVENUE D-16611 MAIN STREET 141.5 S OF GRAHAM AVENUE TO 26.5 S OF GRAHAM AVE 15 D-16612 MAIN STREET 26.5 S OF GRAHAM AVENUE TO 28.5 N OF GRAHAM AVENUE

DRAWING INDEX

WWS	WASTE WATER SEWER	
CS	COMBINED SEWER	
LDS	LAND DRAINAGE SEWER	
જે.	PROPERTY LINE	
Q.	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	
МН	MANHOLE	
СВ	CATCH BASIN	
CI	CURB INLET	
VERT.	VERTICAL	
HORZ.	HORIZONTAL	
I.B.	IRON BAR	
FIBRE	FIBRE OPTIC	
TYP	TYPICAL	
X-ING	CROSSING	
HYD	HYDRANT	
EX	EXISTING	
N	NORTH	
Ε	EAST	
S	SOUTH	
W	WEST	
W/	WITH	
c/w	CONSTRUCTED WITH	
CONC	CONCRETE	
AC	ASBESTOS CEMENT	
VC	VITRIFIED CLAY	
Cl	CAST IRON	
DI	DUCTILE IRON	
PVC	POLYVINYL CHLORIDE	
HDPE	HIGH DENSITY POLYETHYLENE	
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE	
1 001	THE THE SOLD CONTINUE OF LINDER FIFE	

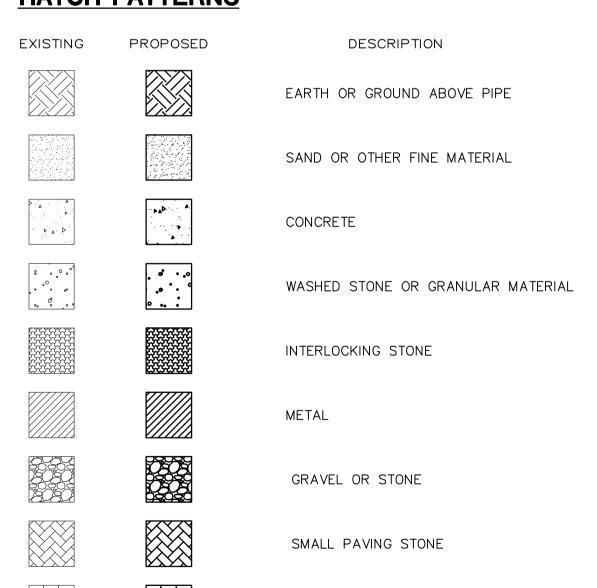
ABBREVIATIONS

DESCRIPTION		
BESSIAN TISIA	EXISTING	PROPOSED
WATER PIPE		
FIRE HYDRANT	-	+
VALVE	⊗	⊗
CURB STOP	<i></i> ∼	→
REDUCER	° ⊲	•
COUPLING OR SLIDDER	X	×
		X
CROSS	⊕	
BEND - 11.25*, 22.5*, 45*, 90*	4 4 4	H H H T
TEE	凸	A
VERTICAL BEND	н	н
ANODE	₽	7
REPAIR MARKER	₽	
PLUG	v J	3
	-	
SEWER PIPE		
MANHOLE	0	•
CATCH BASIN		
CURB INLET	∇	▼
	1 1	1 1
JUNCTION		
	· · · · · ·	·
OHLVEDT		
CULVERT	L	L <u>-</u>
SURVEY BAR		•
SURVEY MONUMENT		
TREE DECIDIONS	رسى	
TREE - DECIDUOUS	(ر°_ع)	
	. wh.	
TREE - CONIFEROUS	The same of the sa	
	S.W.	
HYDRO		
HYDRO POLE	0	
LAMP STANDARD	○ —•	
	0_0	
GUY ANCHOR		
PEDESTAL OR BOX	⊠	
CABINET	\triangleright	
CABINET		
M.T.S., SHAW, OR VIDEON	· · · · ·	· · · · · ·
TRAFFIC SIGNALS		_ · _ · _ · _
TRAFFIC LIGHT STANDARD	•→	
GAS		
STEAM		
FIBRE OPTIC		
FENCE	— x —— x —— x ———	
EDGE OF PAVEMENT OR GUTTER		
EDGE UNPAVED OR GRAVEL ROAD		
LOT LINE		
SIDEWALK — PATHWAY		
EASEMENT		
	<i>777777777</i> 77	
EDGE OF BUILDING		
MAILBOX	M	
MAILBOX PARKING METER		
MAILBOX	M	*
MAILBOX PARKING METER	M	•
MAILBOX PARKING METER TEST HOLE	M	•
MAILBOX PARKING METER TEST HOLE	M	*
MAILBOX PARKING METER TEST HOLE	M	*
MAILBOX PARKING METER TEST HOLE	M P ◆ - · · · · · -	*
MAILBOX PARKING METER TEST HOLE	M	*
MAILBOX PARKING METER TEST HOLE	M P ◆ - · · · · · -	◆ PROPOSED
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION	PROFILE	♦ PROPOSED
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH	PROFILE	PROPOSED
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION	PROFILE	PROPOSED
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE	PROFILE	PROPOSED
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP	PROFILE	PROPOSED +
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE	PROFILE	PROPOSED + X
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE	PROFILE	PROPOSED + X
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP	PROFILE	PROPOSED + X
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE	PROFILE	PROPOSED + X
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MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND	PROFILE	PROPOSED X
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE TEE OR CROSS	PROFILE	PROPOSED + X
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND REDUCER	PROFILE	PROPOSED X
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MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND REDUCER END OF PIPE	PROFILE	PROPOSED X
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND REDUCER	PROFILE	PROPOSED X X
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND REDUCER END OF PIPE	PROFILE EXISTING	PROPOSED X
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND REDUCER END OF PIPE SEWER PIPE	PROFILE	PROPOSED X X
MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND REDUCER END OF PIPE SEWER PIPE	PROFILE EXISTING	PROPOSED X X
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MAILBOX PARKING METER TEST HOLE TREE LINE OR BUSH DESCRIPTION WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND REDUCER END OF PIPE SEWER PIPE UNPAVED GROUND SURFACE	PROFILE EXISTING	PROPOSED X A
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PLAN VIEW

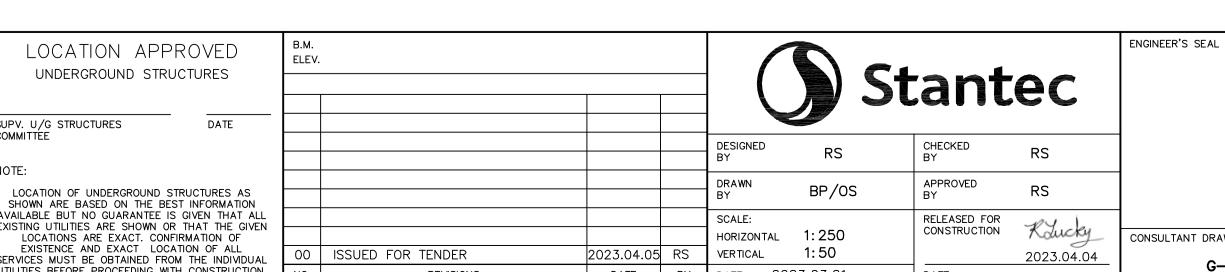
LEGEND

HATCH PATTERNS



CONSTRUCTION NOTES

- 1. EXPOSE EXISTING WATER MAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
- 2. LOCATION OF ALL SERVICES IS TO BE CONFIRMED IN THE FIELD.
- 3. INSTALL WATER MAIN BY TRENCHLESS METHODS.
- 4. TRENCHES AND EXCAVATIONS WITHIN 1.0 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILLED.
- 5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
- 6. MINIMUM COVER TO TOP OF WATER MAIN IS 2.4 m.
- 7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATER MAIN TO P/L.
- 8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS AND/OR DISRUPTION OF SERVICE.



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT Winnipeg ENGINEERING DIVISION SUPV. U/G STRUCTURES COMMITTEE 2023 WATER MAIN RENEWALS SHEET **2** OF **15** CONTRACT 8 CITY DRAWING NUMBER 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 LITTLES DEFENDED PROFESSION. D-16599 CONSULTANT DRAWING NUMBER DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS G-001 UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION. DATE 2023.03.21 DATE REVISIONS BY TENDER NUMBER: 175-2023 CONTRACT NUMBER: 8 PLOT DATE: 2023 04 04

ENGINEERS
GEOSCIENTISTS

Certificate of Authorization

Stantec Consulting Ltd.

No. 1301

MANITOBA

LARGE PAVING STONE