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HENRY AVENUE TO 60.0 S OF HIGGINS AVENUE

60.0 S OF HIGGINS AVENUE TO 3.7 S OF HIGGINS AVENUE

LEGEND

wws	WASTE WATER SEWER		
CS			
LDS	COMBINED SEWER		
PL	LAND DRAINAGE SEWER		
i. Q	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		
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		
EXIST	EXISTING		
N	NORTH		
E	EAST		
S	SOUTH		
W	WEST		
w W/	WEST		
·			
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		
FM	FEEDERMAIN		
FCM	FORCE MAIN (PRESSURIZED SEWER MAIN)		

ABBREVIATIONS

	PLAN VIEW		
DESCRIPTION	ABANDONED	EXISTING	PROPOSED
WATER PIPE			
FIRE HYDRANT			+
VALVE	⊗ ♂	⊗ ♂	⊗ ~
CURB STOP	o ⊲	° ⊲	•
REDUCER COUPLING OR SLIDDER	V	X	X
CROSS	±	⊕	₩
BEND - 11.25°, 22.5°, 45°, 90°	H H 4 4	H H 4 4	H H 4 4
TEE	r T q	A	A
VERTICAL BEND	Н	н	н
ANODE		₽	7
REPAIR MARKER		♥	
PLUG]	J	3
SEWER PIPE			
MANHOLE	0	0	•
CATCH BASIN	\Box	□	-
CURB INLET	V	V 	1 1
JUNCTION			'
€ DITCH		***********************	***************************************
CULVERT			
SURVEY BAR		-	+
SURVEY MONUMENT			
TREE - DECIDUOUS			
TREE - CONIFEROUS			
HYDRO			
HYDRO POLE		•н	
LAMP STANDARD		←	
HYDRO POLE W/STREET LIGHTING		H ⊕	
POLE GUY ANCHOR		.	
M.T.S. POLE		•M	
PEDESTAL OR BOX		 ⊠	
CABINET		\bowtie	
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			
'L PROJECTED PL			
LOT LINE			
SIDEWALK - PATHWAY			
EASEMENT			
EDGE OF BUILDING			
MAILBOX		M	
PARKING METER		P	
TEST HOLE		◆	\Phi
TREE LINE OR BUSH			

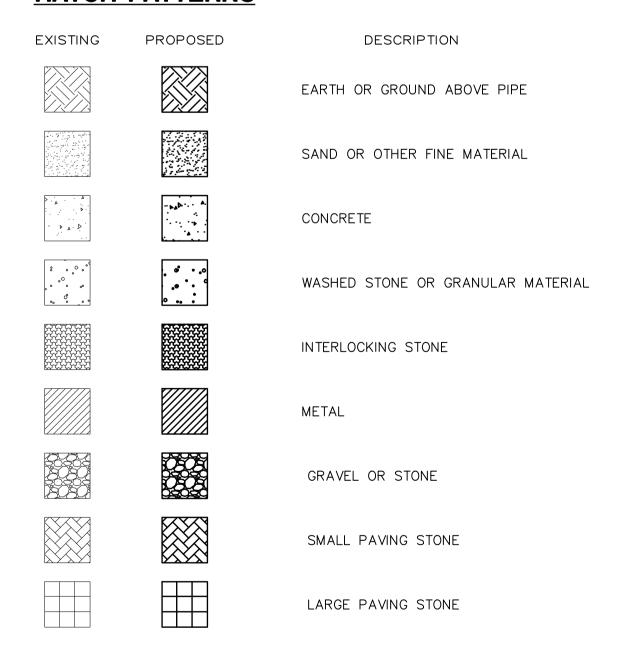
HATCH PATTERNS

AUSTIN STREET

AUSTIN STREET

D-17296

D-17297



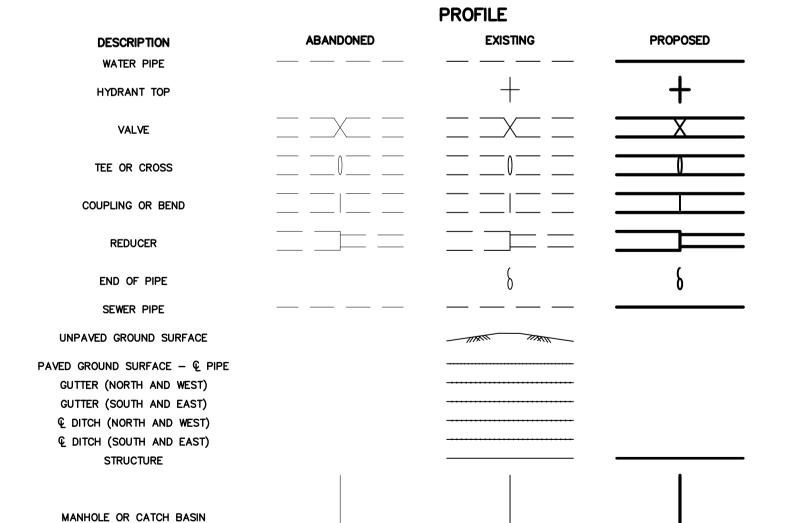
METRIC

CONSTRUCTION NOTES

C-209

C-210

- 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 EXCAVATION UNDER ROAD PAVEMENT AND/OR WITHIN 0.45 m OF A ROAD PAVEMENT EDGE SHALL BE CLASS 1 BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. TRENCHES AND EXCAVATIONS UNDER AND/OR WITHIN 1.0 m OF ANY OTHER PAVED SURFACE, INCLUDING APPROACHES AND SIDEWALKS, SHALL BE CLASS 3 BACKFILL.
- 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.



ENGINEERS GEOSCIENTISTS **MANITOBA** Certificate of Authorization Stantec Consulting Ltd.

No. 1301

ENGINEER'S SEAL LOCATION APPROVED ELEV. UNDERGROUND STRUCTURES Stantec SUPV. U/G STRUCTURES COMMITTEE DESIGNED CHECKED J.K.H. R.S. DRAWN APPROVED 0.S. R.S. LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL SCALE: RELEASED FOR EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF CONSTRUCTION 1: 250 HORIZONTAL CONSULTANT DRAWING NUMBER EXISTENCE AND EXACT LOCATION OF ALL R.G. VERTICAL 1:50 ISSUED FOR TENDER SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION. DATE DATE 2025.03.28 2025.05.06 REVISIONS DATE

Winnipèg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

2025 WATER MAIN RENEWALS CONTRACT 8

SHEET **2** OF **12** CITY DRAWING NUMBER

D-17287

DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS

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