DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	D-14271	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
2	D-14272	ASHBURN STREET - ELLICE AVENUE TO 150 N OF ELLICE AVENUE
3	D-14273	ASHBURN STREET - 150 N OF ELLICE AVENUE TO 250 N OF ELLICE AVENUE
4	D-14274	ASHBURN STREET - 250 N OF ELLICE AVENUE TO 350 N OF ELLICE AVENUE
5	D-14275	BURNELL STREET - 23 N OF ST PAUL AVENUE TO 139 N OF ST PAUL AVENUE
6	D-14276	BURNELL STREET - 139 N OF ST PAUL AVENUE TO 15 N OF ST MATTHEWS AVENUE
7	D-14277	DOMINION STREET - 120 S OF ST MATTHEWS AVENUE TO ST MATTHEWS AVENUE
8	D-14278	GOULDING STREET - 97 N OF WOLVNER AVENUE TO 100 S OF ST MATTHEWS AVENUE
9	D-14279	GOULDING STREET - 100 S OF ST MATTHEWS AVENUE TO ST MATTHEWS AVENUE
10	D-14280	ST JOHN AMBULANCE WAY - 152 S OF PORTAGE AVENUE TO PORTAGE AVENUE

ABBREVIATIONS

WW.	WASTE WATER SEWER	
WWS	WASTE WATER SEWER	
CS	COMBINED SEWER	
LDS	LAND DRAINAGE SEWER	
P.	PROPERTY LINE	
<u> </u>	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	
CB	CATCH BASIN	
CI	CURB INLET	
VERT.	VERTICAL	
HORZ.	HORIZONTAL	
I.B.	IRON BAR	
FIBRE	FIBRE OPTIC	
TYP	TYPICAL	
X-ING	CROSSING	
HYD	HYDRANT	
	EXISTING	
EXIST		
N	NORTH	
E	EAST	
S	SOUTH	
W	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	

LEGEND

DESCRIPTION	PLAN VIEW EXISTING	DROBOSED
DESCRIPTION	EXISTING	PROPOSED
WATER PIPE		
FIRE HYDRANT	\(\rightarrow \)	+
VALVE	⊗ ♂	⊗
CURB STOP		•
REDUCER		◀ ※
COUPLING OR SLIDDER	X	X
CROSS	田	⊕
BEND - 11.25°, 22.5°, 45°, 90°	H H H H	H H 4
TEE NEDTON DEND	<u> </u>	#1
VERTICAL BEND	± ₽	н
ANODE		2
REPAIR MARKER	•	-
PLUG SEWER DIDE]	
SEWER PIPE	<u>-</u>	
MANHOLE CATCH BASIN		_
		_
CURB INLET	∇	▼ .
JUNCTION		
€ DITCH	$\longrightarrow \longrightarrow \longrightarrow \longrightarrow$	→ → -> -
CULVERT		
SURVEY BAR		+
SURVEY MONUMENT		
TREE - DECIDUOUS	\odot	
TREE - CONIFEROUS		
HYDRO		
HYDRO POLE	•н	
LAMP STANDARD	•-•	
HYDRO POLE W/STREET LIGHTING	H ⊕ —●	
POLE	•	
GUY ANCHOR	\leftarrow	
M.T.S. POLE	•M	
PEDESTAL OR BOX		
CABINET		
M.T.S., SHAW, OR VIDEON		
TRAFFIC SIGNALS		
TRAFFIC LIGHT STANDARD	•→	
GAS		
STEAM		
FIBRE OPTIC		
FENCE	xx	xx
EDGE OF PAVEMENT OR GUTTER		
EDGE UNPAVED OR GRAVEL ROAD		
ዊ		
PROJECTED PL		
LOT LINE		
SIDEWALK - PATHWAY		
EASEMENT		
EDGE OF BUILDING		
MAILBOX	M	
PARKING METER	P	
TEST HOLE	<u></u>	A
TREE LINE OR BUSH	♥	•
Ente on boon		

WATER PIPE		
HYDRANT TOP	+	+
VALVE		Χ
TEE OR CROSS		()
COUPLING OR BEND		
REDUCER	:	
END OF PIPE	8	8
SEWER PIPE		
UNPAVED GROUND SURFACE		
PAVED GROUND SURFACE - & PIPE	XX	

PROFILE

EXISTING

PROPOSED

€ DITCH (SOUTH AND EAST) $\overline{}$ STRUCTURE

GUTTER (NORTH AND WEST)

GUTTER (SOUTH AND EAST)

♠ DITCH (NORTH AND WEST)

DESCRIPTION

MANHOLE OR CATCH BASIN

CONSTRUCTION NOTES

- 1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
- 2. LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
- 3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
- 4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
- 5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.

REVISIONS

- 6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
- 7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO P.
- 8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

HATCH PATTERNS

DESCRIPTION EXISTING PROPOSED EARTH OR GROUND ABOVE PIPE SAND OR OTHER FINE MATERIAL CONCRETE WASHED STONE OR GRANULAR MATERIAL INTERLOCKING STONE METAL GRAVEL OR STONE

ENGINEER'S SEAL LOCATION APPROVED UNDERGROUND STRUCTURES ORIGINAL SIGNED BY S.J.R. SUPV. U/G STRUCTURES COMMITTEE DATE COURNOYER CHECKED DESIGNED 16/04/12 SC DRAWN APPROVED RS LOCATION OF UNDERGROUND STRUCTURES AS 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. SCALE: RELEASED FOR CONSTRUCTION 1: 250 HORIZONTAL CONSULTANT DRAWING NUMBER KAZ ZUREK

DATE

VERTICAL

DATE

1:50 2016 04 13

PLOT DATE: 2016 04 12

DATE 2016 04 12

BID OPPORTUNITY: 249-2016 CONTRACT NUMBER: 10



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

2016 WATER MAIN RENEWALS CONTRACT 10

SHEET 1 OF 10 CITY DRAWING NUMBER

D-14271

FILE PATH: R:\DRAWINGS\WATER\RENEWAL\2016 RENEWALS\Contract 10\Construction Dwg\FILE NAME: CONTRACT 10- INDEX.dwg

INDEX PAGE