

DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	D-14758	COVER SHEET
2	D-14759	INDEX SHEET
3	D-14760	DEER LODGE PLACE EAST - DEER LODGE PLACE SOUTH TO PORTAGE AVENUE - STA 1+00 TO STA 2+00
4	D-14761	DEER LODGE PLACE EAST - DEER LODGE PLACE SOUTH TO PORTAGE AVENUE - STA 2+00 TO STA 3+20
5	D-14762	DEER LODGE PLACE EAST - DEER LODGE PLACE SOUTH TO PORTAGE AVENUE - STA 3+20 TO STA 3+75
6	D-14763	WOLEVER AVENUE - STRATHCONA STREET TO VALOUR ROAD - STA 0+75 TO STA 1+75
7	D-14764	WOLEVER AVENUE - STARHCONA STREET TO VALOUR ROAD - STA 1+75 TO STA 2+75
8	D-14765	RUBY STREET - WESTMINSTER AVENUE TO PORTAGE AVENUE - STA 0+75 TO 1+90
9	D-14766	RUBY STREET - WESTMINSTER AVENUE TO PORTAGE AVENUE - STA 1+90 TO STA 3+00
10	D-14767	RUBY STREET - WESTMINSTER AVENUE TO PORTAGE AVENUE - STA 3+00 TO STA 4+10
11	D-14768	RUBY STREET - WESTMINSTER AVENUE TO PORTAGE AVENUE - STA 4+10 TO STA 4+75
12	D-14769	WALNUT STREET - WOLSELEY AVENUE TO DUNDURN PLACE - STA 0+75 TO STA 1+75
13	D-14770	WALNUT STREET - WOLSELEY AVENUE TO DUNDURN PLACE - STA 1+75 TO STA 2+50
14	D-14771	WOLSELEY AVENUE - WALNUT STREET TO MARYLAND STREET - STA 0+75 TO STA 1+75
15	D-14772	WOLSELEY AVENUE - WALNUT STREET TO MARYLAND STREET - STA 1+75 TO STA 2+50
16	D-14773	WATER MAIN ABANDONMENTS - PORTAGE AVENUE - MARYLAND STREET TO YOUNG STREET
17	D-14774	WATER MAIN ABANDONMENTS - PORTAGE AVENUE - BALMORAL STREET TO EDMONTON STREET

ABBREVIATIONS

WWS	WASTE WATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
ℓ	PROPERTY LINE
ℓ	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 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	PROPOSED
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	⊕	⊕
ℓ 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	⊕	⊕
ℓ	—	—
PROJECTED ℓ	—	—
LOT LINE	⊕	⊕
SIDEWALK - PATHWAY	⊕	⊕
EASEMENT	⊕	⊕
EDGE OF BUILDING	⊕	⊕
MAILBOX	⊕	⊕
PARKING METER	⊕	⊕
TEST HOLE	⊕	⊕
TREE LINE OR BUSH	⊕	⊕

PROFILE

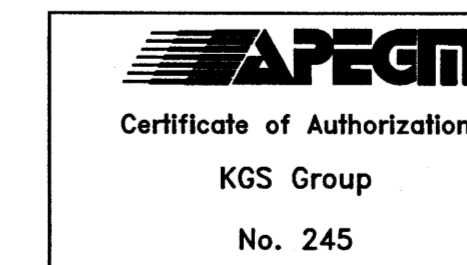
DESCRIPTION	PROFILE	
	EXISTING	PROPOSED
WATER PIPE	—	—
HYDRANT TOP	⊕	⊕
VALVE	⊕	⊕
TEE OR CROSS	⊕	⊕
COUPLING OR BEND	⊕	⊕
REDUCER	⊕	⊕
END OF PIPE	⊕	⊕
SEWER PIPE	—	—
UNPAVED GROUND SURFACE	⊕	⊕
PAVED GROUND SURFACE - ℓ PIPE	⊕	⊕
GUTTER (NORTH AND WEST)	⊕	⊕
GUTTER (SOUTH AND EAST)	⊕	⊕
ℓ DITCH (NORTH AND WEST)	⊕	⊕
ℓ DITCH (SOUTH AND EAST)	⊕	⊕
STRUCTURE	⊕	⊕
MANHOLE OR CATCH BASIN	⊕	⊕

HATCH PATTERNS

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

CONSTRUCTION NOTES

1. EXPOSE EXISTING WATER MAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
2. LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
3. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
4. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATER MAIN TO ℓ.
5. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.
6. INSTALL WATER MAIN BY TRENCHLESS METHODS.
7. MINIMUM COVER TO TOP OF PROPOSED WATER MAIN IS 2.5m FROM STREET CENTERLINE.
8. INSTALLED ALL HYDRANTS WITH FLANGE ELEVATION 50mm TO 150mm ABOVE FINISHED GRADE.
9. BACKFILL UNDER OR WITHIN 1.0m OF PAVEMENTS, (INCLUDING SIDEWALKS) IS CLASS 3 BACKFILL EXCEPT AS NOTED. BACKFILL IN BOULEVARDS IS CLASS 5 BACKFILL.
10. SERVICE CONNECTIONS MAY STILL EXIST ON THE 300 & 250 HP CI WM, VERIFY AND RELOCATE IF NECESSARY.



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. NO. DATE BY		KGS GROUP CONSULTING ENGINEERS DESIGNED BY T.L.E. CHECKED BY [Signature] DRAWN BY D.M.W. APPROVED BY [Signature] SCALE: HORIZONTAL 1:250 VERTICAL 1:50 RELEASED FOR CONSTRUCTION [Signature] DATE 5/17/18		ENGINEER'S SEAL CONSULTANT DRAWING NUMBER 17-0107-001-C01		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION 2017 WATER MAIN RENEWALS (CONTRACT 11) INDEX SHEET		SHEET 2 OF 17 CITY DRAWING NUMBER D-14759	
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