DRAWING INDEX

SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
01	D-16299	COVER PAGE
02	D-16300	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
03	D-16301	BOWER BOULEVARD – MOUNTBATTEN AVENUE TO 90.0m NNL MOUNTBATTEN AVENUE
04	D-16302	BOWER BOULEVARD – 90.0m NNL MOUNTBATTEN AVENUE TO 216.9m NNL MOUNTBATTEN AVENUE
05	D-16303	COLLEGIATE STREET – PORTAGE AVENUE TO 115.0m NNL PORTAGE AVENUE
06	D-16304	COLLEGIATE AVENUE – 115.0m NNL PORTAGE AVENUE TO 240.0m NNL PORTAGE AVENUE
07	D-16305	COLLEGIATE AVENUE – 240.0m NNL PORTAGE AVENUE TO 322.6.0m NNL PORTAGE AVENUE
08	D-16306	LAXDAL ROAD – 32.4m SSL GERALDINE DRIVE TO 57.5m NNL GERALDINE DRIVE
09	D-16307	LAXDAL ROAD – 57.5m NNL GERALDINE DRIVE TO 20.9m SSL PARKIN AVENUE
10	D-16313	ST GABRIEL AVENUE – RUE LA BARRIERE TO 102.5m EEL RUE LA BARRIERE
11	D-16314	ST GABRIEL AVENUE – 102.5m EEL RUE LA BARRIERE TO RUE CHARETTE

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

GRAVEL OR STONE

LOCATIC UNDERGRC
SUPV. U/G STRUCTUF COMMITTEE
NOTE:
LOCATION OF UND SHOWN ARE BASED AVAILABLE BUT NO C EXISTING UTILITIES AF LOCATIONS ARE EXISTENCE AND SERVICES MUST BE C UTILITIES BEFORE PR

ABBREVIATIONS

WWS	WASTE WATER SEWER						
CS	COMBINED SEWER						
LDS	LAND DRAINAGE SEWER						
۲.	PROPERTY LINE						
۰ <u>د</u> و	CENTER LINE						
ب G.I.S.	GEOGRAPHIC INFORMATION SYSTEM						
в.м.	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						
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						
Ν	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						

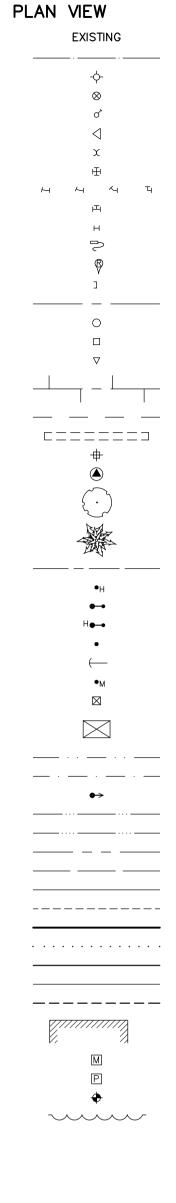
CONSTRUCTION NOTES

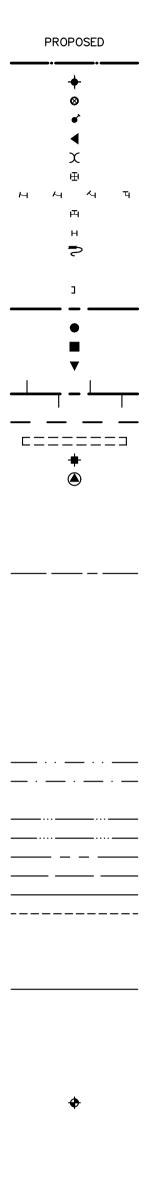
- 1. EXPOSE EXISTING WATERMAIN & CONFIRMED INVERTS PRIOR TO CONSTRUCTION.
- 2. LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
- 3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
- 4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
- 5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
- 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 WATER SHUTDOWNS OR DISRUPTION OF SERVICE.
- 9. CONTRACTOR TO MAINTAIN MINIMUM 1.0m CLEARANCE FROM TRAFFIC SIGNAL POLES AND CONTROLLERS WHERE POSSIBLE

	_								
ON APPROVED Round structures	B.M. ELEV.					SD	1600 Buffalo Place Winnipeg, Manitoba R3T 6B8 Canada Phone: 204-477-6650		ENGINEER'S SEAL
TURES DATE						_ ,	wsp.com		
					DESIGNED BY	K.G.	CHECKED BY	S.M.	REC S.C. MINTY MEMPER 23073
					DRAWN BY SCALE: HORIZONTAL VERTICAL	K.G.	APPROVED BY	S.M.	A ROFESSION CONTRACT
NDERGROUND STRUCTURES AS									
O GUARANTEE IS GIVEN THAT ALL ARE SHOWN OR THAT THE GIVEN		ISSUED FOR TENDER	14/04/22	K.G.			RELEASED FOR CONSTRUCTION		2022-04-19
RE EXACT. CONFIRMATION OF	В	DETAILED DESIGN SUBMISSION	08/04/22	K.G.		1: 250 1: 50			CONSULTANT DRAWING NUMBER
ID EXACT LOCATION OF ALL OBTAINED FROM THE INDIVIDUAL	А	PRELIMINARY DESIGN SUBMISSION	07/03/22	K.G.					
PROCEEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	ΒY	DATE 202	2 04 19	DATE		221-01146-00-02
					PLOT DATE:	2022 04 19			BID OPPORTUNITY: 257-2022

LEGEND

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
PROJECTED P
LOT LINE
SIDEWALK - PATHWAY
EASEMENT EDGE OF BUILDING
MAILBOX PARKING METER
TEST HOLE
TREE LINE OR BUSH







VALVE

TEE OR CROSS

COUPLING OR BEND

REDUCER

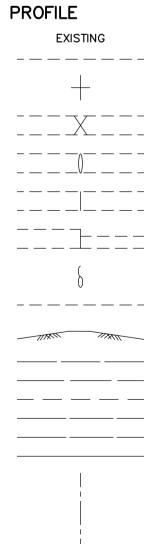
END OF PIPE

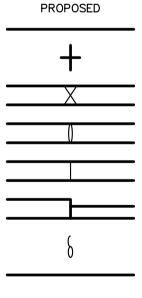
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SEWER PIPE
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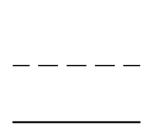
UNPAVED GROUND SURFACE

PAVED GROUND SURFACE – 🤤 PIPE GUTTER (NORTH AND WEST) GUTTER (SOUTH AND EAST) € DITCH (NORTH AND WEST) € DITCH (SOUTH AND EAST) STRUCTURE

MANHOLE OR CATCH BASIN







D-16300

Q THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT Winnipeg ENGINEERING DIVISION 2022 WATER MAIN RENEWALS -SHEET 02 OF 11 CONTRACT 9 CITY DRAWING NUMBER INDEX PAGE

BID OPPORTUNITY: 257-2022 FILE PATH: P:\2022\221-01146-00 - 2022 Water Main Renewals - Contract 9\14.0 Tech + Prof Services\14.11 Highways_Bridges\1 CONTRACT NUMBER: CONTRACT 9 FILE NAME: 221-01146-00_COW_Water_Index Page_A1.dwg