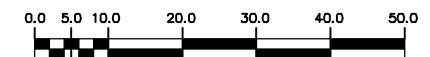


NOTES:
 FEEDERMAIN TO BE INSTALLED IN OPEN CUT TRENCH
 FEEDERMAIN PIPE TO BE DESIGNED FOR MINIMUM HS-20 LOADING AT ALL EXISTING AND FUTURE PAVEMENT CROSSINGS. (SEE PAVEMENT DETAIL ON D-12118)

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES
 NOTE: ALL VALVES TO BE INSTALLED COUNTERCLOCKWISE TO CLOSE

WARNING
 IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 210/72 FOR DETAILS



200 WM		200 WM		SL, HYDRO		150 WM		150 WM	
+	WATERMAIN	+	WATERMAIN	---	MTS	---	HYDRANT	+	HYDRANT
⊙	VALVE	⊙	VALVE	---	TRAFFIC SIGNALS	---	VALVE	+	VALVE
525 LDS	LAND DRAINAGE SEWER	525 LDS	50 GAS	---	GAS	---	LAND DRAINAGE SEWER	---	LAND DRAINAGE SEWER
375 WWS	WASTEWATER SEWER	375 WWS	250 WWS	---	SURVEY BAR	---	WASTEWATER SEWER	---	WASTEWATER SEWER
○	MANHOLE	○	MANHOLE	---	FENCE	---	CE PROFILE	---	CE PROFILE
□	CATCH BASIN	□	CATCH BASIN	---	POLE - HYDRO, MTS	---	GROUND ABOVE PIPE	---	GROUND ABOVE PIPE
▽	CURB INLET	▽	CURB INLET	---	CURB STOP	---	CL DITCH (NORTH & WEST)	---	CL DITCH (NORTH & WEST)
∇	REDUCER	∇	REDUCER	---	GUY ANCHOR	---	CL DITCH (SOUTH & EAST)	---	CL DITCH (SOUTH & EAST)
X	COUPLER	X	COUPLER	---	LIGHT STANDARD	---	GUTTER (NORTH & EAST)	---	GUTTER (NORTH & EAST)
⊕	ANODE	⊕	ANODE	---	TREE	---	GUTTER (SOUTH & WEST)	---	GUTTER (SOUTH & WEST)
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED	EXISTING

LOCATION APPROVED	B.M. ELEV.	FIELD BOOK #:
UNDERGROUND STRUCTURES	POSTED TO LBS	
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.		
NO.	REVISIONS	DATE BY

CITY OF WINNIPEG
WATER AND WASTE
ENGINEERING DIVISION

DESIGNED BY: DB
 CHECKED BY: KZ
 DRAWN BY: WKT
 APPROVED BY: KZ
 HOR. SCALE: 1:500
 VERTICAL: 1:50
 DATE: 2010 06 15

ENGINEER'S SEAL
 ORIGINAL MYLAR SIGNED BY
 K.R. ZUREK
 10/06/15

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2010 FEEDERMAIN INSTALLATION AND ASSOCIATED WORKS
BISON DRIVE
 241 m W OF WAVERLEY STREET TO WAVERLEY STREET

SHEET 1 OF 10
 CITY DRAWING NUMBER
D-12112

BID OPPORTUNITY 476-2010
 FILENAME: D-12112.dwg
 PLOT DATE: 2010 06 15