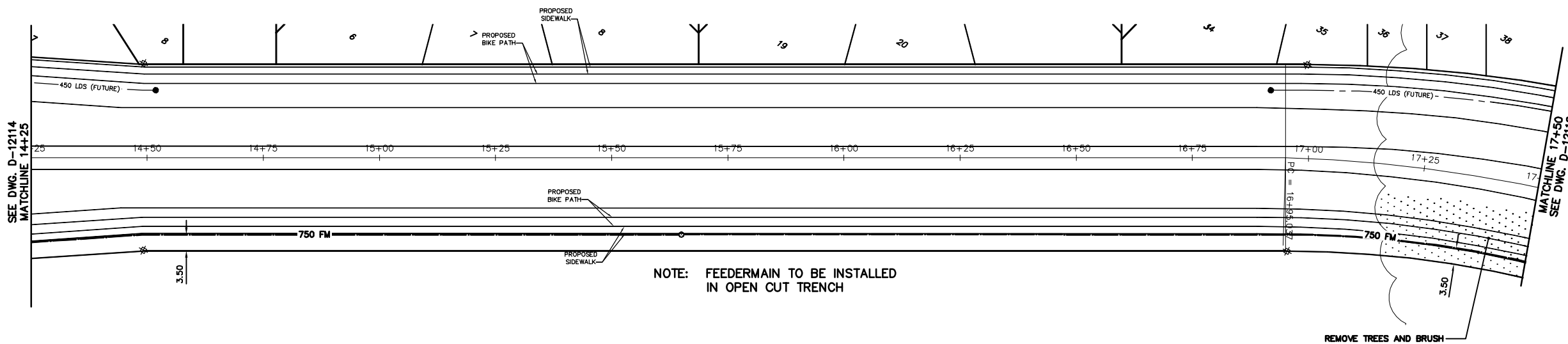


NOTE: FEEDERMAIN PIPE LENGTHS SHOWN ARE ALONG  $\phi$  OF PROPOSED FEEDERMAIN PIPE

NOTE: CHAINAGES SHOWN ARE ALONG  $\phi$  OF PROPOSED BISON DR

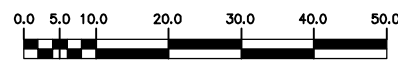
FUTURE BISON DRIVE



NOTE: FEEDERMAIN TO BE INSTALLED IN OPEN CUT TRENCH

SEE DWG. D-12114 MATCHLINE 14+25

MATCHLINE 17+50 SEE DWG. D-12112



**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	WATERMAIN	200 WM	SL, HYDRO	150 WM	WATERMAIN	150 WM	LOCATION APPROVED	B.M. ELEV.	FIELD BOOK #	<b>CITY OF WINNIPEG</b> WATER AND WASTE ENGINEERING DIVISION	ENGINEER'S SEAL	<b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT 2010 FEEDERMAIN INSTALLATION AND ASSOCIATED WORKS <b>BISON DRIVE</b> 566 m W OF WAVERLEY STREET TO 241 m W OF WAVERLEY STREET	SHEET 2 OF 10
525 LDS	LAND DRAINAGE SEWER	525 LDS	MTS	300 LDS	HYDRANT	300 LDS	UNDERGROUND STRUCTURES	POSTED TO LBS			DESIGNED BY: DB CHECKED BY: KZ DRAWN BY: WKT APPROVED BY: KZ HOR. SCALE: 1:500 VERTICAL: 1:50 RELEASED FOR CONSTRUCTION: 2010 06 15		ORIGINAL MYLAR SIGNED BY: <b>K.R. ZUREK</b> 10/06/15
375 WWS	WASTEWATER SEWER	375 WWS	TRAFFIC SIGNALS	250 WWS	VALVE	250 WWS	SUPV. U/O STRUCTURES COMMITTEE						D-12113
300 LDS	LAND DRAINAGE SEWER	300 LDS	GAS	150 WM	HYDRANT	150 WM	DATE						
250 WWS	WASTEWATER SEWER	250 WWS	SURVEY BAR	50 GAS	VALVE	50 GAS	NOTE:						
150 WM	WATERMAIN	150 WM	FENCE	50 GAS	GROUND ABOVE PIPE	50 GAS	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.						
50 GAS	WATERMAIN	50 GAS	POLE - HYDRO, MTS	300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS	CURB STOP	250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS	GUY ANCHOR	150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM	LIGHT STANDARD	50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS	TREE	300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS	EXISTING	250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS	PROPOSED	150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM	LEGEND-PLAN	50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS	LEGEND-PROFILE	300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS	WATERMAIN	50 GAS		300 LDS	GROUND ABOVE PIPE	300 LDS							
300 LDS	LAND DRAINAGE SEWER	300 LDS		250 WWS	GROUND ABOVE PIPE	250 WWS							
250 WWS	WASTEWATER SEWER	250 WWS		150 WM	GROUND ABOVE PIPE	150 WM							
150 WM	WATERMAIN	150 WM		50 GAS	GROUND ABOVE PIPE	50 GAS							
50 GAS													