



**BACKFILL NOTES:**

- BACKFILL BEHIND WING WALLS WITH 100 mm TOPSOIL, 200 mm CLAY COMPACTED TO 95% STANDARD PROCTOR DENSITY AND BACKFILL REMAINDER WITH 20 mm DOWN GRANULAR COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- CONSTRUCTION AREA TO BE GRADED, TOPSOILED AND SEEDED.

**CONSTRUCTION NOTES**

- LOCATION OF EXISTING SERVICES TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR.
- TIE-INS TO BE VERIFIED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
- ALL APPROACHES TO RECEIVE NEW CSP CULVERTS AS DIRECTED BY THE CONTRACT ADMINISTRATOR.

**FEEDERMAIN NOTES**

- THE CONSTRUCTION WORKS SHALL BE UNDERTAKEN IN ABSOLUTE COMPLIANCE WITH THE CONSTRUCTION LIMITATIONS AND RECOMMENDATIONS SET OUT IN THE PIPELINE ASSESSMENT FOR THE MURRAY AVENUE FEEDERMAIN (GATESIDE TO MCPHILLIPS) PREPARED BY AECOM CANADA LTD AND DATED APRIL 26, 2011 (SEE E18 OF THE BID OPP).
- A CONSTRUCTION METHOD STATEMENT PREPARED BY THE CONTRACTOR SHALL BE PROVIDED TO THE WATER AND WASTE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AT THE SITE.
- SUBSEQUENT TO THE APPROVAL OF THE CONSTRUCTION METHOD STATEMENT BUT PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AT THE SITE, A PRE CONSTRUCTION MEETING SHALL BE HELD WITH THE WATER AND WASTE DEPARTMENT, PUBLIC WORKS DEPARTMENT, CONTRACTOR AND CONSULTANT IN ATTENDANCE.

**WARNING**

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
- OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES



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150 WM	WATERMAIN	150 WM	HYDRO	HYDRO	HYDRO	150 WM	WATERMAIN	150 WM	UNDERGROUND STRUCTURES DATE	BENCHMARK:	DESIGNED BY	DILLON CONSULTING	ENGINEER'S SEAL	THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT	2011 GRANULAR ROADWAY IMPROVEMENTS MURRAY AVENUE MCPHILLIPS STREET TO GATESIDE STREET	CITY DRAWING NUMBER
300 LDS	LAND DRAINAGE SEWER	300 LDS	MTS	MTS	300 LDS	LAND DRAINAGE SEWER	300 LDS	DRAWN BY			TJH		PROVINCE OF MANITOBA ORIGINAL STAMPED BY T.J. PETERS 07/23/2012 Member 22309 REGISTERED PROFESSIONAL ENGINEER			2011 GRANULAR ROADWAY IMPROVEMENTS MURRAY AVENUE MCPHILLIPS STREET TO GATESIDE STREET
250 WWS	WASTE WATER SEWER	250 WWS	MANHOLE	PAVING STONES	PLANING	250 WWS	WASTE WATER SEWER	250 WWS	DATE	DATE	APPROVED BY	RELEASED FOR CONSTRUCTION	CONSULTANT PROJECT NUMBER	09-2696	CONSULTANT DRAWING NUMBER	
100 GAS	GAS	100 GAS	CATCH BASIN	PARTIAL DEPTH REPAIR	PROPERTY LINE	100 GAS	WASTE WATER SEWER	100 GAS	NOTE:	DATE	DATE	ORIGINAL SIGNED BY BRENT KELLETT				
EXISTING	LEGEND-PLAN	PROPOSED	CURB INLET	DRAINAGE ARROW	CURB RAMP	EXISTING	WASTE WATER SEWER	EXISTING	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	DATE	DATE	
			JUNCTIONS	CULVERT			WASTE WATER SEWER		2	ISSUED FOR TENDER	07/23/12	TJP				
			MANHOLE				WASTE WATER SEWER		1	ISSUED FOR 95% REVIEW	06/27/12	TJP				
			HYDRANT				WASTE WATER SEWER									
			VALVE				WASTE WATER SEWER									
			CONCRETE				WASTE WATER SEWER									
			ASPHALT				WASTE WATER SEWER									
			PLANING				WASTE WATER SEWER									
			SIDEWALK				WASTE WATER SEWER									
			NORTH/WEST GUTTER				WASTE WATER SEWER									
			SOUTH/EAST GUTTER				WASTE WATER SEWER									
			NORTH/WEST DITCH				WASTE WATER SEWER									
			SOUTH/EAST DITCH				WASTE WATER SEWER									