



APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301 Expiry: April 30, 2007

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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 140/92 FOR DETAILS

- CONSTRUCTION NOTES:**
1. EXPOSE EXISTING WATERMAIN AND CONFIRM INVERTS PRIOR TO CONSTRUCTION.
 2. CONFIRM LOCATION OF ALL SERVICES.
 3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
 4. TRENCHES AND EXCAVATIONS WITHIN 1 METER OF PAVED AREAS SHALL BE CLASS 3 BACKFILL.
 5. ALL MATERIALS SHALL CONFORM TO CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 6. MINIMUM COVER SHALL BE 2.4m.
 7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED MAIN TO PL.
 8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTIONS OF SERVICE.
 9. LAMP STANDARDS, UTILITY POLES AND ANCHORS IN CONFLICT WITH PROPOSED WATERMAIN INSTALLATION MAY REQUIRE TEMPORARY SUPPORT/REMOVAL OR REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

150 WM		150 WM		HYDRO		150 WM		WATERMAIN		150 WM		LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. 65-027 ELEV. 233.449m		Stantec Consulting Ltd. 905 Waverley Street, Winnipeg, Manitoba Tel 204-489-5900 Fax 204-453-9012		ENGINEER'S SEAL		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	
○	WATERMAIN	○	HYDRANT	---	M.T.S.	---	WATERMAIN	---	HYDRANT, VALVE	---	WATERMAIN	---	DATE	DESIGNED BY	DATE	ORIGINAL SEALED BY	DATE	2006 WATERMAIN RENEWALS WAVERLEY STREET AUTOMALL ENTRANCE EAST TO SCURFIELD BOULEVARD STA 1+41 TO STA 2+75	SHEET 7 OF 11		
○	VALVE	○	CONCRETE	---	ASPHALT	---	LAND DRAINAGE SEWER	---	WASTE WATER SEWER	---	EX. GROUND PROFILE	---	DATE	DRAWN BY	DATE	DATE	DATE		CAD FILE DRAWING NUMBER	D-9030	
○	LAND DRAINAGE SEWER	○	ASPHALT	---	PROPERTY LINE	---	LAND DRAINAGE SEWER	---	WASTE WATER SEWER	---	EX. GROUND PROFILE	---	DATE	DATE	DATE	0910C-207675.dwg					
○	WASTE WATER SEWER	○	ASPHALT	---	SURVEY BAR	---	LAND DRAINAGE SEWER	---	WASTE WATER SEWER	---	EX. GROUND PROFILE	---	DATE	DATE	DATE	CITY DRAWING NUMBER					
○	MANHOLE	○	ASPHALT	---	DITCH	---	LAND DRAINAGE SEWER	---	WASTE WATER SEWER	---	EX. GROUND PROFILE	---	DATE	DATE	DATE						
○	CATCH BASIN	○	ASPHALT	---	ELEVATION	---	LAND DRAINAGE SEWER	---	WASTE WATER SEWER	---	EX. GROUND PROFILE	---	DATE	DATE	DATE						
○	CURB INLET	○	ASPHALT	---	CURB STOP	---	LAND DRAINAGE SEWER	---	WASTE WATER SEWER	---	EX. GROUND PROFILE	---	DATE	DATE	DATE						
○	JUNCTIONS	○	ASPHALT	---	ANODE	---	LAND DRAINAGE SEWER	---	WASTE WATER SEWER	---	EX. GROUND PROFILE	---	DATE	DATE	DATE						
○	SIGN	○	ASPHALT	---	ANODE	---	LAND DRAINAGE SEWER	---	WASTE WATER SEWER	---	EX. GROUND PROFILE	---	DATE	DATE	DATE						
○	GAS	○	ASPHALT	---	ANODE	---	LAND DRAINAGE SEWER	---	WASTE WATER SEWER	---	EX. GROUND PROFILE	---	DATE	DATE	DATE						
○	EXISTING	○	PROPOSED	---	EXISTING	---	EXISTING	---	PROPOSED	---	EXISTING	---	PROPOSED	---	EXISTING	---	PROPOSED				

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 2006-06-06 09:01:01 By: jhines