



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:
- 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.
 - A MINIMUM VERTICAL SEPARATION OF 300 mm FROM GAS MAINS AND 100 mm FROM GAS SERVICE MUST BE MAINTAINED BETWEEN ANY MANITOBA HYDRO FACILITY AND ANY NEW INSTALLATIONS.
 - A MINIMUM 900 mm OF COVER SHALL BE MAINTAINED IN ALL AREAS WHERE EQUIPMENT WILL BE CROSSING, TRAVELING OR COMPACTING OVER THE HIGH PRESSURE GAS MAINS.
 - IF EQUIPMENT MUST CROSS, TRAVEL, OR COMPACT OVER THE GAS MAIN WITH LESS THAN THE MINIMUM DEPTH COVER, EARTH BRIDGING OR STEEL PLATES SHALL BE PLACED OVER THE MAIN AND EXTEND A MINIMUM OF 1.0 METRE ON EITHER SIDE AT EACH CROSSING LOCATION.

G:\CAD\126606\Contract\Contract_2\Curren\Civil_CrossSections.dwg

150 WM	WATERMAIN	150 WM	M.T.S.	M.T.S.	150 mm W.M.	WATERMAIN	150 mm W.M.
Hydrant	HYDRANT	Valve	VALVE	CONCRETE	CONCRETE	HYDRANT	HYDRANT
300 LDS	LAND DRAINAGE SEWER	300 LDS		ASPHALT	ASPHALT	Valve	VALVE
250 WWS	WASTE WATER SEWER	250 WWS		PLANING	PLANING	300 mm L.D.S.	LAND DRAINAGE SEWER
Manhole	MANHOLE	Manhole		SIDEWALK	SIDEWALK	250 mm W.W.S.	WASTE WATER SEWER
Catch Basin	CATCH BASIN	Catch Basin		PAVING STONES	PAVING STONES	Q Profile	Q PROFILE
Test Holes	TEST HOLES	Test Holes		PROPERTY LINE	PROPERTY LINE	North/West Gutter	NORTH/WEST GUTTER
Junctions	JUNCTIONS	Junctions		SURVEY BAR	SURVEY BAR	South/East Gutter	SOUTH/EAST GUTTER
Culvert	CULVERT	Culvert		CURB RAMP	CURB RAMP	North/West T/Lane	NORTH/WEST T/LANE
100 GAS	GAS	100 GAS		DITCH	DITCH	South/East T/Lane	SOUTH/EAST T/LANE
Existing	LEGEND-PLAN	Proposed	EXISTING	Legend-Plan	PROPOSED	Existing	LEGEND-PROFILE
Existing	LEGEND-PLAN	Proposed	EXISTING	Legend-Plan	PROPOSED	Existing	LEGEND-PROFILE

UNDERGROUND STRUCTURES

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.

B.M. 654008	N: 5515764.610	654210	N: 5514436.957
ELEV. 232.463 m	E: 633359.697	ELEV. 232.463 m	E: 630550.534

DESIGNED BY	MRD	DESIGN TEAM	
DRAWN BY	PMW		
CHECKED BY	DBW		
APPROVED BY	DPK		
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
0 ISSUED FOR TENDER	13/08/08	MRD	
NO. REVISIONS	DATE	BY	DATE
			2013/08/08



THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

Waverley West Arterial Roads Project
 (WWARP) PART 3 - CONTRACT 2
 ROUTE 90 TO ROUTE 165 OVERPASS (KENASTON BLVD.)
 AND ASSOCIATED WORKS

CITY DRAWING NUMBER: B242-13-101
 SHEET 101 OF 128
 CONSULTANT DRAWING NUMBER: P-3349-101

CROSS SECTIONS 2 OF 5

CONSULTANT PROJECT NUMBER: 12-6606