



**REMOVALS LEGEND**

REMOVE CONCRETE	
REMOVE ASPHALT	
REMOVE PAVING STONES	

**APEGM**  
 Certificate of Authorization  
 Dillon Consulting Limited (MB)  
 No. 1789 Date: 2013/08/08

**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.

150 WM	WATERMAIN	150 WM	MTS	M.T.S.	MTS	150 mm W.M.	WATERMAIN	150 mm W.M.
	HYDRANT			CONCRETE			HYDRANT	
	VALVE			ASPHALT			VALVE	
	LAND DRAINAGE SEWER			PLANING			LAND DRAINAGE SEWER	
	WASTE WATER SEWER			SIDEWALK			WASTE WATER SEWER	
	MANHOLE			PAVING STONES			MANHOLE	
	CATCH BASIN			PROPERTY LINE			NORTH/WEST GUTTER	
	TEST HOLES			SURVEY BAR			SOUTH/EAST GUTTER	
	JUNCTIONS			CURB RAMP			NORTH/WEST T/LANE	
	CULVERT			DITCH			SOUTH/EAST T/LANE	
	GAS			SWALE				
	EXISTING		PROPOSED	EXISTING	PROPOSED		EXISTING	PROPOSED

**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 E: 633359.697 ELEV. 232.463 m	654210 N: 5514436.957 E: 630550.534 ELEV. --- m
DESIGNED BY MRD	CHECKED BY DBW
DRAWN BY PMW	APPROVED BY DPK
HOR. SCALE 1:500	VERTICAL
ISSUED FOR TENDER 13/08/08 MRD	2013/08/08

**DILLON CONSULTING**

DESIGN TEAM

RELEASSED FOR CONSTRUCTION

DATE

ENGINEER'S SEAL

PROVINCE OF MANITOBA  
 M.R. DOUCET  
 Member 22306  
 REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER  
 12-6606

**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  
 B242-13-63

SHEET 63 OF 128

CONSULTANT DRAWING NUMBER  
 P-3349-63

REMOVALS 3 OF 3

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