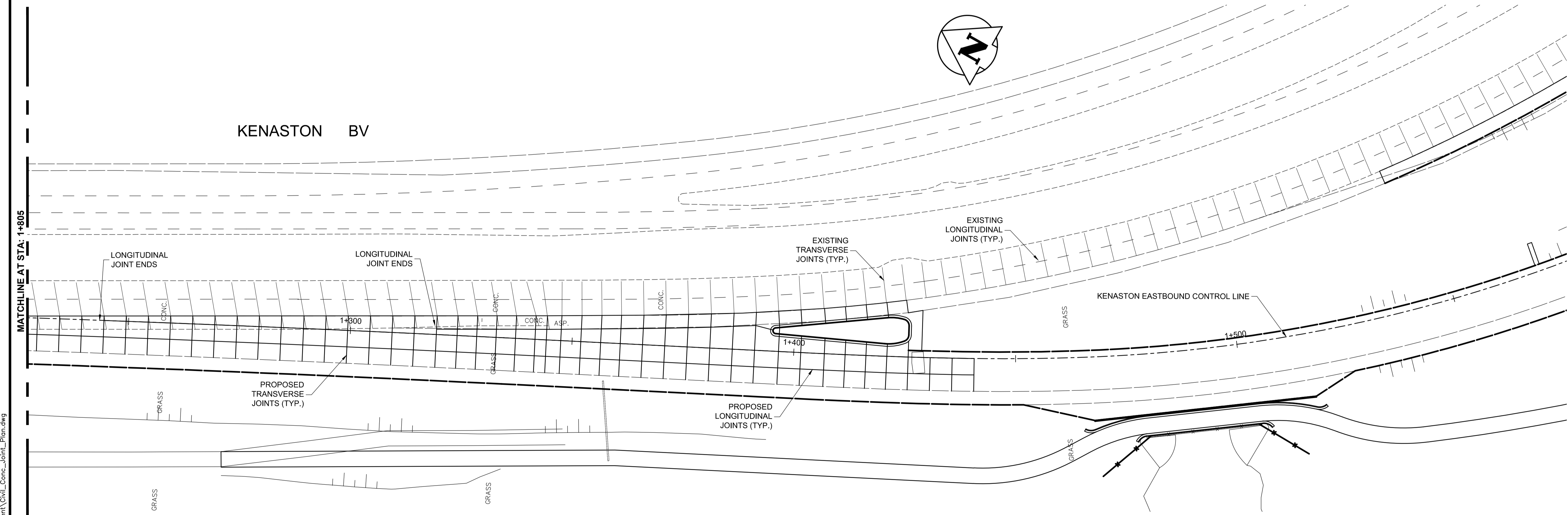


CONSTRUCTION NOTES:

1. MATCH ADJACENT TRANSVERSE JOINTS OR SET TRANSVERSE JOINTS AT NOMINAL SPACING OF 5m.
2. ALL NEW TRANSVERSE JOINTS SHALL UTILIZE STRAIGHT DOWEL ASSEMBLIES, NOT SKEWED.



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:

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.
3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.
4. 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.
5. 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.
6. 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 W.M.	WATERMAIN	150 W.M.	MTS	M.T.S.	MTS	150 mm W.M.	WATERMAIN	150 mm W.M.
+	HYDRANT VALVE	+	MTS	CONCRETE ASPHALT PLANING	+	+	HYDRANT VALVE	+
300 LDS	LAND DRAINAGE SEWER	300 LDS	MTS	SIDEWALK PAVING STONES	300 mm L.D.S.	+	LAND DRAINAGE SEWER	300 mm L.D.S.
250 WWS	WASTE WATER SEWER	250 WWS	MTS	PROPERTY LINE SURVEY BAR	250 mm W.W.S.	+	WASTE WATER SEWER	250 mm W.W.S.
○	MANHOLE	●	MTS	CURB RAMP	---	---	MANHOLE	○
○	CATCH BASIN	○	MTS	DITCH	---	---	CATCH BASIN	○
○	TEST HOLES	○	MTS	SWALE	---	---	TEST HOLES	○
+	JUNCTIONS	+	MTS				JUNCTIONS	+
+	CULVERT	+	MTS				CULVERT	+
100 GAS	GAS	100 GAS	MTS				GAS	100 GAS
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	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	654210	N: 5514436.957	E: 630550.534
ELEV. 232.463 m					
0	ISSUED FOR TENDER	13/08/08	MRD		
NO.	REVISIONS	DATE	BY	DATE	2013/08/08

DESIGNED BY	MRD
DRAWN BY	PMW
CHECKED BY	DBW
APPROVED BY	DPK
HOR. SCALE	1:500
VERTICAL	
RELEASSED FOR CONSTRUCTION	
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: B242-13-108
 SHEET 108 OF 128
 CONSULTANT DRAWING NUMBER: P-3349-108

CONCRETE JOINT PLAN 1 OF 2

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