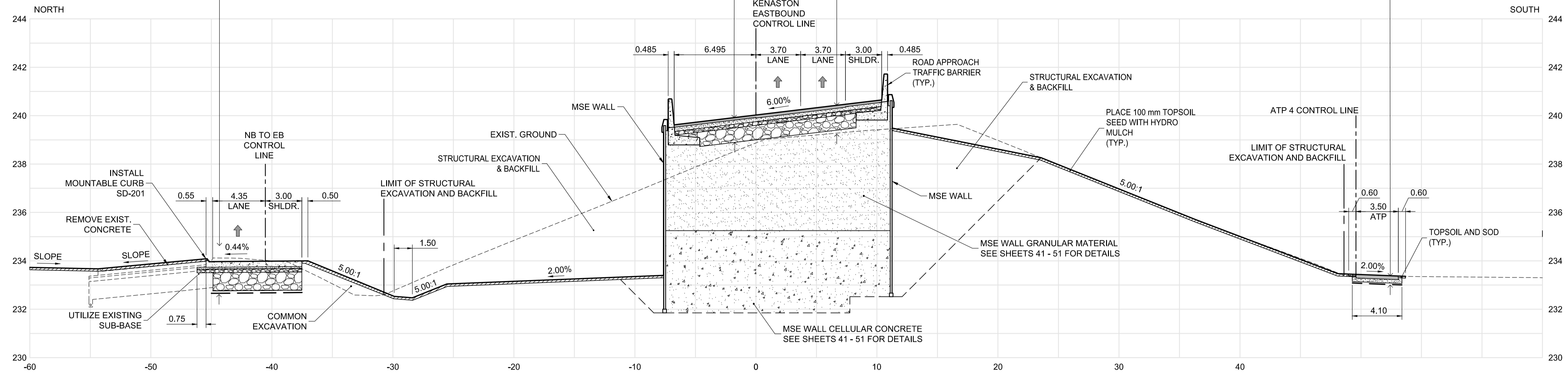


TYPICAL CONCRETE PAVEMENT STRUCTURE
 230 mm PLAINE DOWELLED CONCRETE
 75 mm - 20 mm BASE COURSE - LIMESTONE
 150 mm - 50 mm CRUSHED SUB-BASE - LIMESTONE
 750 mm - 150 mm CRUSHED SUB-BASE - LIMESTONE
 SEPARATION GEOTEXTILE FABRIC (NON WOVEN)
 SUBGRADE COMPACTION

TYPICAL SHOULDER STRUCTURE
 50 mm TYPE IA ASPHALTIC CONCRETE
 50 mm TYPE III ASPHALTIC CONCRETE
 175 mm - BASE COURSE
 150 mm - 50 mm CRUSHED SUB-BASE
 600 mm - 150 mm CRUSHED SUB-BASE
 SUBGRADE COMPACTION

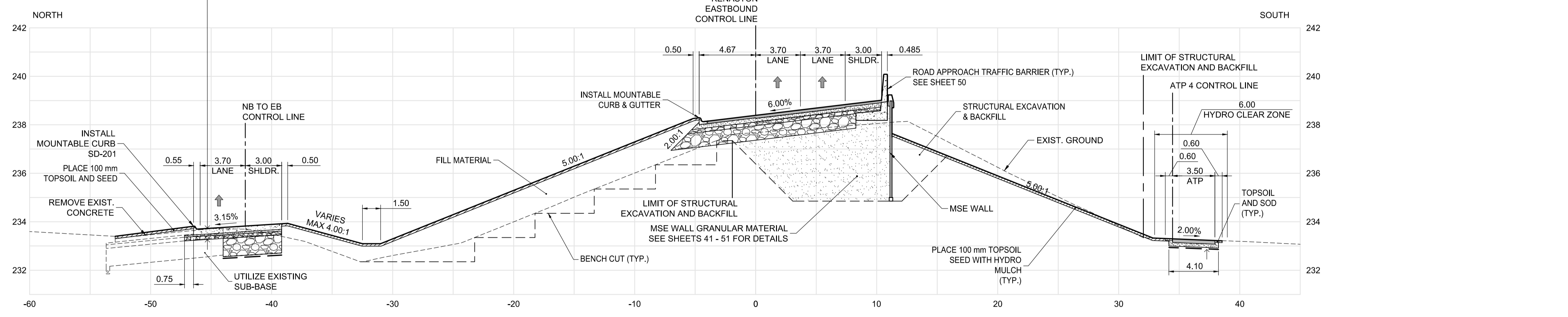
TYPICAL ASPHALT PAVEMENT STRUCTURE
 50 mm TYPE IA ASPHALTIC CONCRETE
 75 mm TYPE IA ASPHALTIC CONCRETE
 150 mm - BASE COURSE
 150 mm - 50 mm CRUSHED SUB-BASE
 600 mm - 150 mm CRUSHED SUB-BASE
 SUBGRADE COMPACTION

TYPICAL MULTI-USE PATH STRUCTURE
 75 mm - TYPE IA ASPHALTIC CONCRETE
 75 mm - BASE COURSE
 150 mm - 50 mm CRUSHED SUB-BASE
 SEPARATION GEOTEXTILE FABRIC (NON WOVEN)
 SUBGRADE COMPACTION



J KENASTON STA: 1+910
 SCALE HORZ 1:200 VERT 1:100

TYPICAL CONCRETE PAVEMENT STRUCTURE
 230 mm PLAINE DOWELLED CONCRETE
 75 mm - 20 mm BASE COURSE - LIMESTONE
 150 mm - 50 mm CRUSHED SUB-BASE - LIMESTONE



K KENASTON STA: 1+960
 SCALE HORZ 1:200 VERT 1:100



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\CrossSections\CrossSections.dwg

150 W.M.	WATERMAIN	150 W.M.	MTS	M.T.S.	MTS	150 mm W.M.	WATERMAIN	150 mm W.M.
Hydrant	HYDRANT	Valve	VALVE	CONCRETE	CONCRETE	Hydrant	HYDRANT	Valve
300 LDS	LAND DRAINAGE SEWER	300 LDS	MTS	ASPHALT	ASPHALT	300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	MTS	PLANING	PLANING	250 WWS	WASTE WATER SEWER	250 WWS
Manhole	MANHOLE	Catch Basin	CATCH BASIN	PAVING STONES	PAVING STONES	Manhole	MANHOLE	Catch Basin
Test Holes	TEST HOLES	Junctions	JUNCTIONS	PROPERTY LINE	PROPERTY LINE	Test Holes	TEST HOLES	Junctions
Culvert	CULVERT	Curbs	CURBS	SURVEY BAR	SURVEY BAR	Culvert	CULVERT	Curbs
100 GAS	GAS	100 GAS	MTS	CURB RAMP	CURB RAMP	100 GAS	GAS	100 GAS
Existing	LEGEND-PLAN	Proposed	PROPOSED	DITCH	DITCH	Existing	LEGEND-PROFILE	Proposed
				SWALE	SWALE			

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					

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- 102
 SHEET OF: 102 OF 128
 CONSULTANT DRAWING NUMBER: P-3349- 102

CROSS SECTIONS 3 OF 5

CONSULTANT PROJECT NUMBER: 12-6606