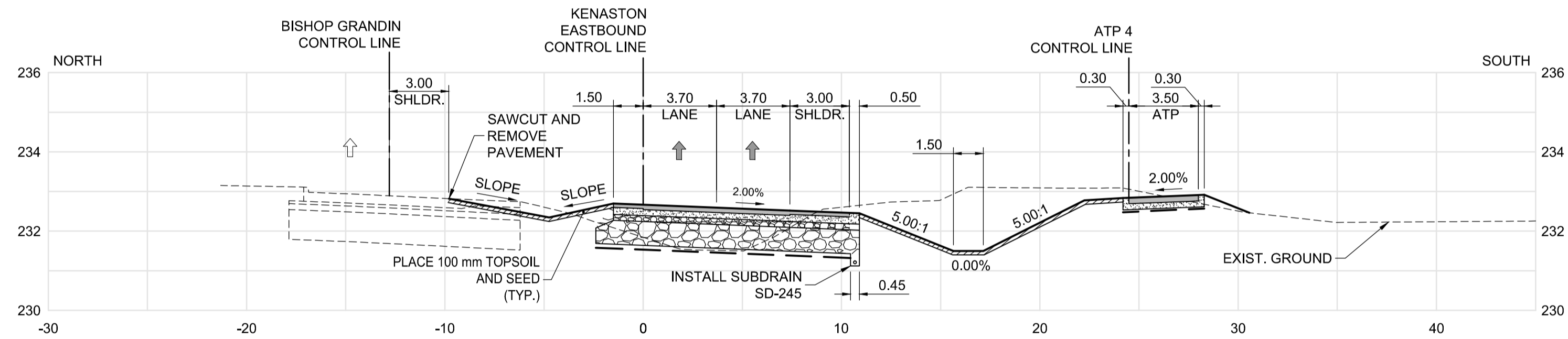
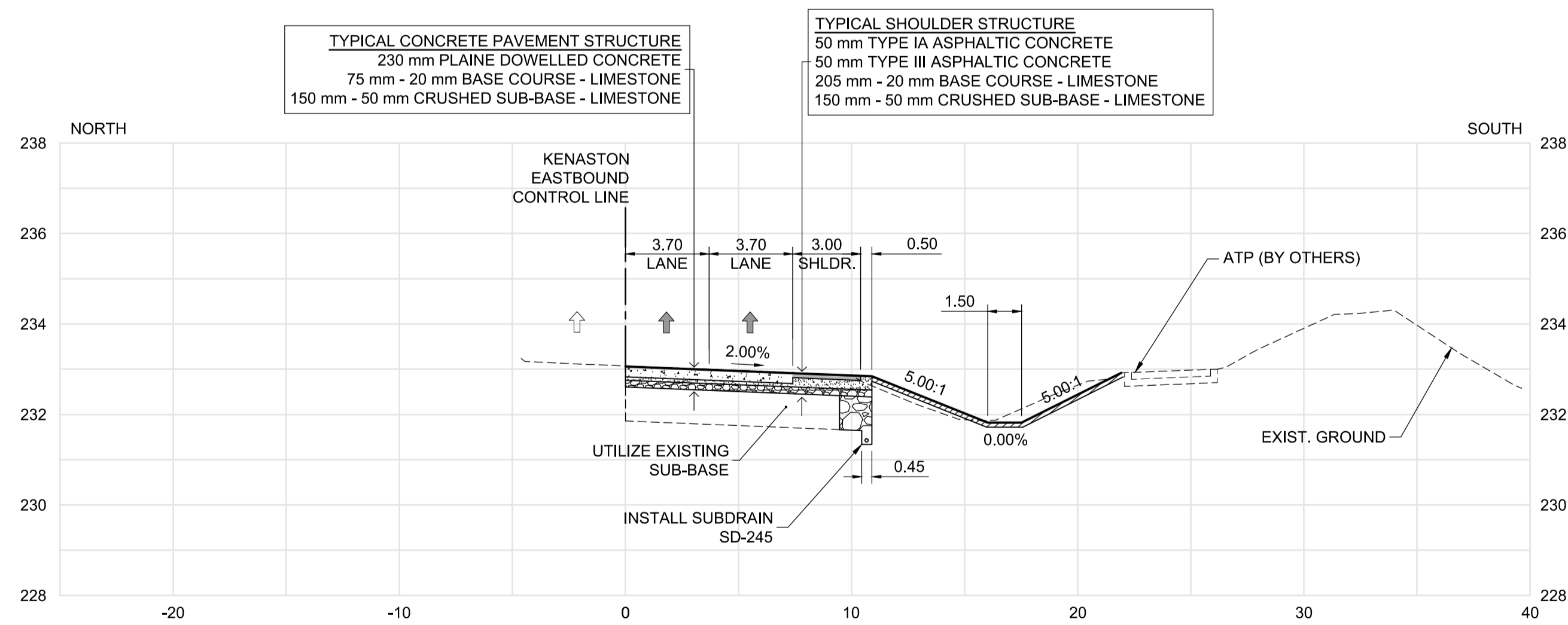


O KENASTON STA: 2+100
91/104 SCALE HORZ 1:200 VERT 1:100



P KENASTON STA: 2+285
91/104 SCALE HORZ 1:200 VERT 1:100



Q KENASTON STA: 2+470
91/104 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\2\CrossSections.dwg

150 WM	WATERMAIN	150 WM	MTS	M.T.S.	MTS	150 mm W.M.	WATERMAIN	150 mm W.M.
⊕	HYDRANT	⊕	MTS	CONCRETE	⊕	⊕	HYDRANT	⊕
⊗	VALVE	⊗	MTS	ASPHALT	⊗	⊗	VALVE	⊗
300 LDS	LAND DRAINAGE SEWER	300 LDS	MTS	PLANING	300 mm L.D.S.	300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 WWS	WASTE WATER SEWER	250 WWS	MTS	SIDEWALK	250 mm W.W.S.	250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.
○	MANHOLE	●	MTS	PAVING STONES	○	○	MANHOLE	●
⊙	CATCH BASIN	⊙	MTS	PROPERTY LINE	⊙	⊙	CATCH BASIN	⊙
⊕	TEST HOLES	⊕	MTS	SURVEY BAR	⊕	⊕	TEST HOLES	⊕
⊕	JUNCTIONS	⊕	MTS	CURB RAMP	⊕	⊕	JUNCTIONS	⊕
⊕	CULVERT	⊕	MTS	DITCH	⊕	⊕	CULVERT	⊕
100 GAS	GAS	100 GAS	MTS	SWALE	100 GAS	100 GAS	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	ELEV. 232.463 m	654210	N: 5514436.957	E: 630550.534	ELEV. ---
DESIGNED BY	MRD	DRAWN BY	PMW	CHECKED BY	DBW	APPROVED BY	DPK
HOR. SCALE	AS SHOWN	VERTICAL	AS SHOWN	ISSUED FOR TENDER	13/08/08	MRD	2013/08/08
NO. REVISIONS	DATE	BY	DATE	2013/08/08	DATE	DATE	DATE

DESIGN TEAM

DILLON CONSULTING

RELEASSED FOR CONSTRUCTION

DATE

ENGINEER'S SEAL

PROVINCE OF MANITOBA
DOUCET
M.R.
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
B242-13-104

SHEET **104** OF **128**

CONSULTANT DRAWING NUMBER
P-3349-104

CROSS SECTIONS 5 OF 5