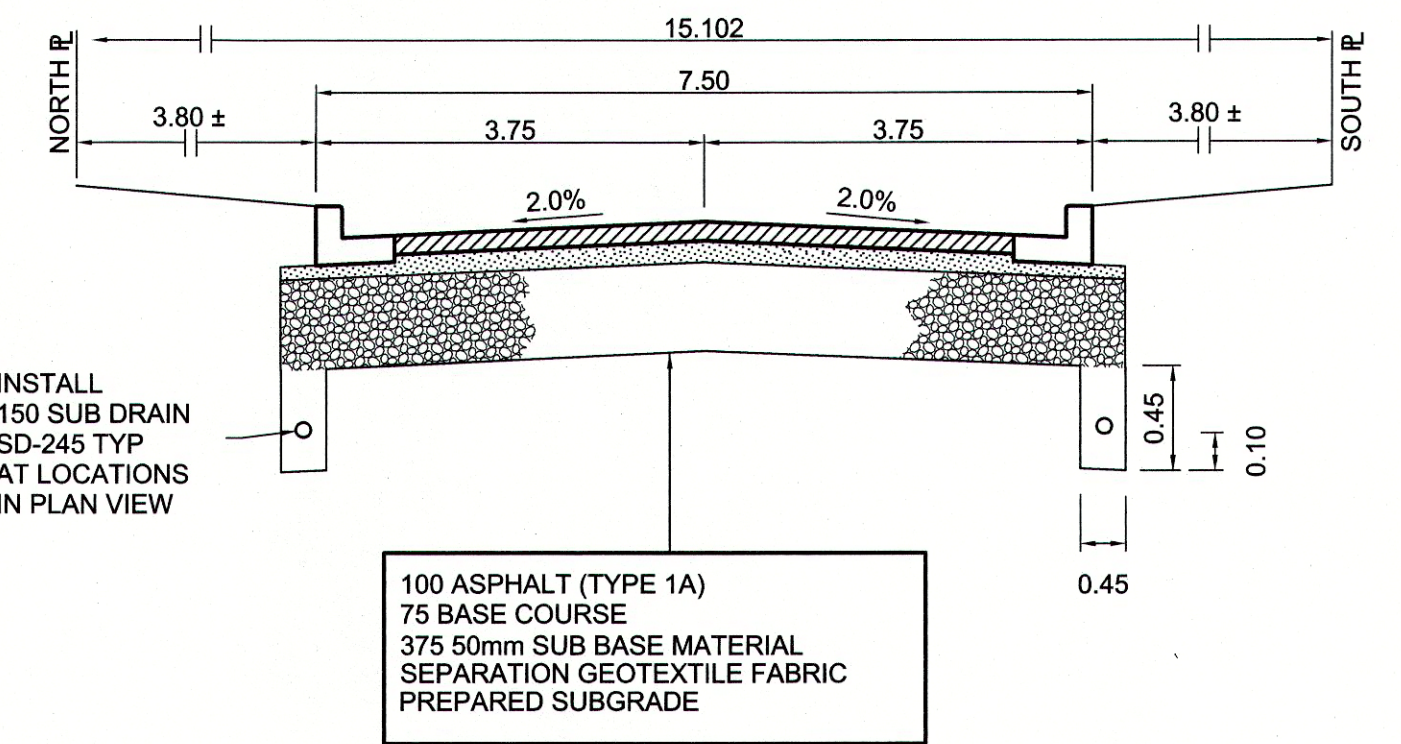
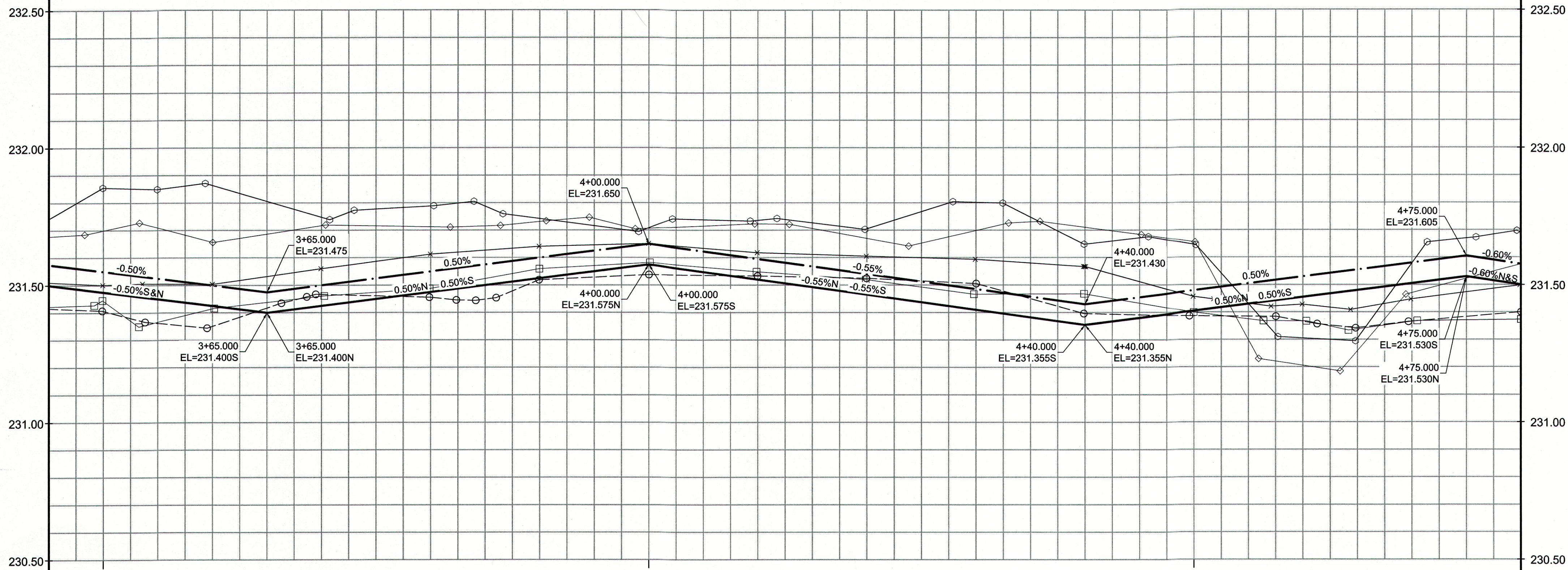




TYPICAL CROSS SECTION

REFERENCE NOTES

- A. PAVEMENT DIMENSIONS ARE TO BACK OF CURB
- B. BASELINE IS CENTRE LINE RIGHT-OF-WAY
- C. PROPERTY LINES OBTAINED FROM CITY OF WINNIPEG L.B.I.S., AND NO SCALE FACTOR WAS APPLIED
- D. REFER TO AECOM FIELD BOOK NO. 4813

CONSTRUCTION NOTES

1. REMOVE EXISTING CONCRETE PAVEMENT AND CONSTRUCT NEW ASPHALTIC PAVEMENT TYPE1A (100mm)
2. REMOVE EXISTING CONCRETE PAVEMENT AND CONSTRUCT NEW 150mm REINFORCED CONCRETE PAVEMENT
3. REMOVE EXISTING ASPHALTIC PAVEMENT AND CONSTRUCT NEW ASPHALTIC PAVEMENT OVERLAY TYPE1A (AVG. 85mm)
4. REMOVE EXISTING FRAME AND COVER AND INSTALL NEW FRAME AND COVER (AP-005 AND AP-004)
5. ADJUST EXISTING MANHOLE/CATCH BASIN TO GRADE
6. INSTALL NEW CAST IRON RISER RING
7. CONSTRUCT NEW BARRIER CURB AND GUTTER (180mm HT.)
8. CONSTRUCT NEW LIP CURB AND GUTTER (40mm HT. INTEGRAL)
9. CONSTRUCT NEW MODIFIED BARRIER CURB AND GUTTER (180mm HT.)
10. CONSTRUCT NEW CURB RAMP CURB AND GUTTER (10mm HT. INTEGRAL)
11. RENEW EXISTING 100mm CONCRETE SIDEWALK
12. ADJUST EXISTING WATER VALVE TO GRADE
13. REMOVE EXISTING CATCHBASIN AND ABANDON LEAD
14. REMOVE EXISTING INLET AND ABANDON LEAD
15. INSTALL NEW CURB AND GUTTER INLET c/w CATCHBASIN (SD-024) AND CONNECT TO EXISTING MANHOLE
16. INSTALL 150mm SUBDRAINS
17. INSTALL NEW CURB AND GUTTER INLET c/w 1200 CATCHBASIN (SD-024) AND CONNECT TO NEW CATCHBASIN
18. ADJUST EXISTING INLET TO GRADE



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	EXISTING	PROPOSED	EXISTING	PROPOSED
+	HYDRANT	+	M.T.S.	---	---	---	---
+	VALVE	+	CONCRETE	---	---	---	---
+	LAND DRAINAGE SEWER	+	ASPHALT	---	---	---	---
+	WASTEWATER SEWER	+	PROPERTY LINE	---	---	---	---
+	MANHOLE	+	SURVEY BAR	---	---	---	---
+	CATCH BASIN	+	ELEVATION	---	---	---	---
+	CATCH PIT	+	TREE	---	---	---	---
+	JUNCTIONS	+	SIDEWALK RAMP	---	---	---	---
+	CULVERT	+	CONCRETE SIDEWALK	---	---	---	---
+	GAS	+	FENCE	---	---	---	---
+	EXISTING	+	LEGEND - PLAN	---	---	---	---
+	LEGEND - PLAN	+	PROPOSED	---	---	---	---

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	EXISTING	PROPOSED	EXISTING	PROPOSED
+	HYDRANT	+	M.T.S.	---	---	---	---
+	VALVE	+	CONCRETE	---	---	---	---
+	LAND DRAINAGE SEWER	+	ASPHALT	---	---	---	---
+	WASTEWATER SEWER	+	PROPERTY LINE	---	---	---	---
+	MANHOLE	+	SURVEY BAR	---	---	---	---
+	CATCH BASIN	+	ELEVATION	---	---	---	---
+	CATCH PIT	+	TREE	---	---	---	---
+	JUNCTIONS	+	SIDEWALK RAMP	---	---	---	---
+	CULVERT	+	CONCRETE SIDEWALK	---	---	---	---
+	GAS	+	FENCE	---	---	---	---
+	EXISTING	+	LEGEND - PLAN	---	---	---	---
+	LEGEND - PLAN	+	PROPOSED	---	---	---	---

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	EXISTING	PROPOSED	EXISTING	PROPOSED
+	HYDRANT	+	M.T.S.	---	---	---	---
+	VALVE	+	CONCRETE	---	---	---	---
+	LAND DRAINAGE SEWER	+	ASPHALT	---	---	---	---
+	WASTEWATER SEWER	+	PROPERTY LINE	---	---	---	---
+	MANHOLE	+	SURVEY BAR	---	---	---	---
+	CATCH BASIN	+	ELEVATION	---	---	---	---
+	CATCH PIT	+	TREE	---	---	---	---
+	JUNCTIONS	+	SIDEWALK RAMP	---	---	---	---
+	CULVERT	+	CONCRETE SIDEWALK	---	---	---	---
+	GAS	+	FENCE	---	---	---	---
+	EXISTING	+	LEGEND - PLAN	---	---	---	---
+	LEGEND - PLAN	+	PROPOSED	---	---	---	---

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	EXISTING	PROPOSED	EXISTING	PROPOSED
+	HYDRANT	+	M.T.S.	---	---	---	---
+	VALVE	+	CONCRETE	---	---	---	---
+	LAND DRAINAGE SEWER	+	ASPHALT	---	---	---	---
+	WASTEWATER SEWER	+	PROPERTY LINE	---	---	---	---
+	MANHOLE	+	SURVEY BAR	---	---	---	---
+	CATCH BASIN	+	ELEVATION	---	---	---	---
+	CATCH PIT	+	TREE	---	---	---	---
+	JUNCTIONS	+	SIDEWALK RAMP	---	---	---	---
+	CULVERT	+	CONCRETE SIDEWALK	---	---	---	---
+	GAS	+	FENCE	---	---	---	---
+	EXISTING	+	LEGEND - PLAN	---	---	---	---
+	LEGEND - PLAN	+	PROPOSED	---	---	---	---

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	EXISTING	PROPOSED	EXISTING	PROPOSED
+	HYDRANT	+	M.T.S.	---	---	---	---
+	VALVE	+	CONCRETE	---	---	---	---
+	LAND DRAINAGE SEWER	+	ASPHALT	---	---	---	---
+	WASTEWATER SEWER	+	PROPERTY LINE	---	---	---	---
+	MANHOLE	+	SURVEY BAR	---	---	---	---
+	CATCH BASIN	+	ELEVATION	---	---	---	---
+	CATCH PIT	+	TREE	---	---	---	---
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+	CULVERT	+	CONCRETE SIDEWALK	---	---	---	---
+	GAS	+	FENCE	---	---	---	---
+	EXISTING	+	LEGEND - PLAN	---	---	---	---
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150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	EXISTING	PROPOSED	EXISTING	PROPOSED
+	HYDRANT	+	M.T.S.	---	---	---	---
+	VALVE	+	CONCRETE	---	---	---	---
+	LAND DRAINAGE SEWER	+	ASPHALT	---	---	---	---
+	WASTEWATER SEWER	+	PROPERTY LINE	---	---	---	---
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+	CULVERT	+	CONCRETE SIDEWALK	---	---	---	---
+	GAS	+	FENCE	---	---	---	---
+	EXISTING	+	LEGEND - PLAN	---	---	---	---
+	LEGEND - PLAN	+	PROPOSED	---	---	---	---