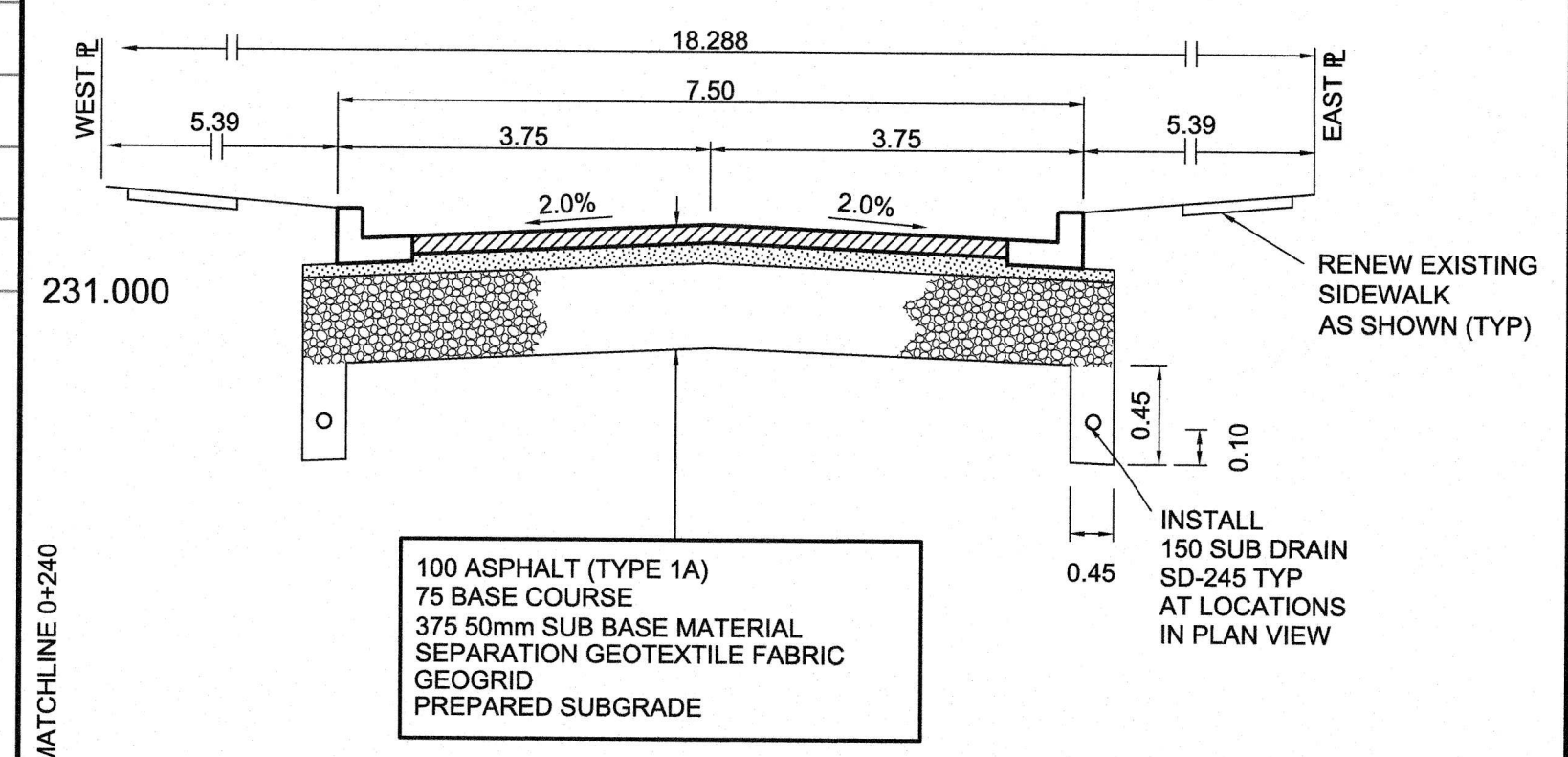
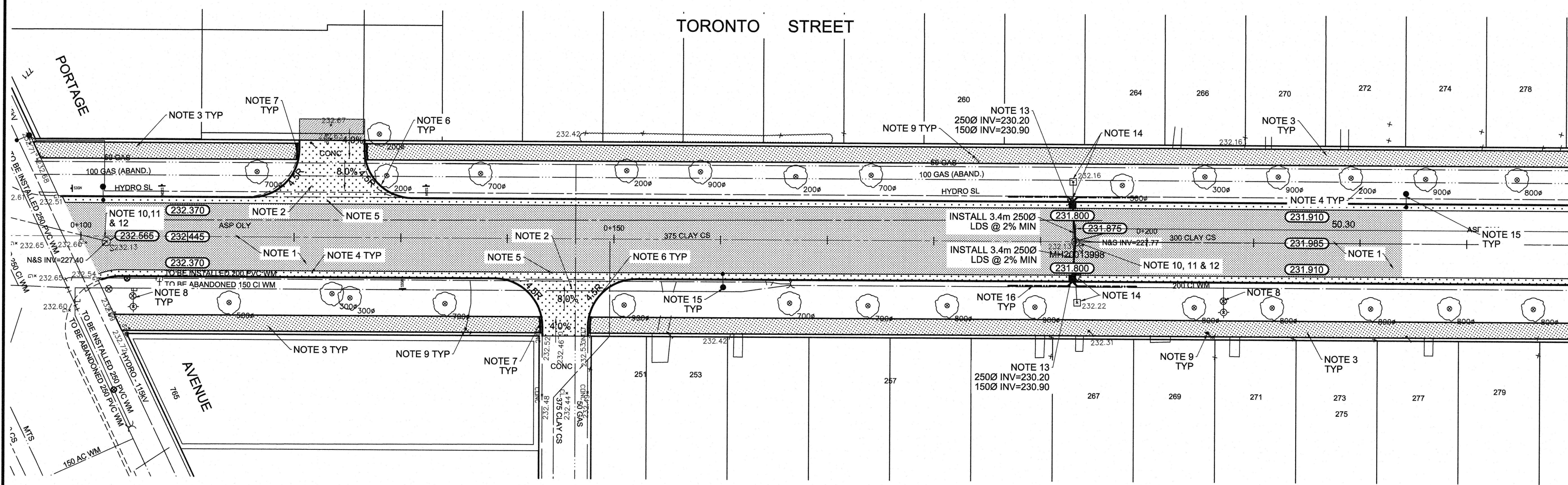


232.500
232.000
231.500
231.000



TYPICAL CROSS SECTION



- REFERENCE NOTES**
- PAVEMENT DIMENSIONS ARE TO BACK OF CURB
 - BASELINE IS CENTRE LINE RIGHT-OF-WAY
 - PROPERTY LINES OBTAINED FROM CITY OF WINNIPEG L.B.I.S., AND NO SCALE FACTOR WAS APPLIED
 - REFER TO AECOM FIELD BOOK NO. 4909

- CONSTRUCTION NOTES**
- REMOVE EXISTING CONCRETE PAVEMENT AND CONSTRUCT NEW 100mm ASPHALTIC PAVEMENT TYPE 1A
 - REMOVE EXISTING CONCRETE PAVEMENT AND CONSTRUCT NEW 150mm REINFORCED CONCRETE PAVEMENT
 - RENEW EXISTING 100mm CONCRETE SIDEWALK
 - CONSTRUCT NEW BARRIER CURB AND GUTTER (180mm HT.)
 - CONSTRUCT NEW LIP CURB AND GUTTER (40mm HT. INTEGRAL)
 - CONSTRUCT NEW MODIFIED BARRIER CURB (180mm HT. INTEGRAL)
 - CONSTRUCT NEW RAMP CURB (10mm HT. INTEGRAL)
 - ADJUST EXISTING WATER VALVE TO GRADE
 - ADJUST EXISTING CURB STOP
 - ADJUST EXISTING MANHOLE/CATCH BASIN TO GRADE
 - REMOVE EXISTING FRAME AND COVER AND PLACE NEW FRAME AND COVER
 - INSTALL NEW CAST IRON RISER RING
 - INSTALL NEW CURB AND GUTTER INLET c/w CATCH BASIN (SD-024) AND CONNECT NEW 250mm LEAD TO COMBINED SEWER MANHOLE
 - REMOVE EXISTING CATCHBASIN, CATCH PIT AND ABANDON LEAD
 - RELOCATE EXISTING LIGHT STANDARD
 - INSTALL 150mm SUBDRAIN 6.0m ON EACH SIDE OF CATCHBASIN



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
150 mm W.M.	WATERMAIN	150 mm W.M.	---	HYDRO	---	---	C PROFILE	---
300mm L.D.S.	HYDRANT	300mm L.D.S.	---	M.T.S.	---	---	OUTSIDE GUTTER	---
250mm W.W.S.	VALVE	250mm W.W.S.	---	CONCRETE	---	---	INSIDE GUTTER	---
	LAND DRAINAGE SEWER		---	ASPHALT	---	---	N/W PROPERTY LINE	---
	WASTEWATER SEWER		---	PROPERTY LINE	---	---	S/E PROPERTY LINE	---
	MANHOLE		---	SURVEY BAR	---	---		
	CATCH BASIN		---	ELEVATION	---	---		
	CATCH PIT		---	TREE	---	---		
	JUNCTIONS		---	SIDEWALK RAMP	---	---		
	CULVERT		---	CONCRETE SIDEWALK	---	---		
	GAS		---	FENCE	---	---		

LOCATION APPROVED 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.	37 - 031	NE cor. St. Matthews Ave & Simcoe St. Tbt in S end
ELEV.	232.472	from of #345 Simcoe, 0.5m E & 1m below tyndall stone of SW cor of building

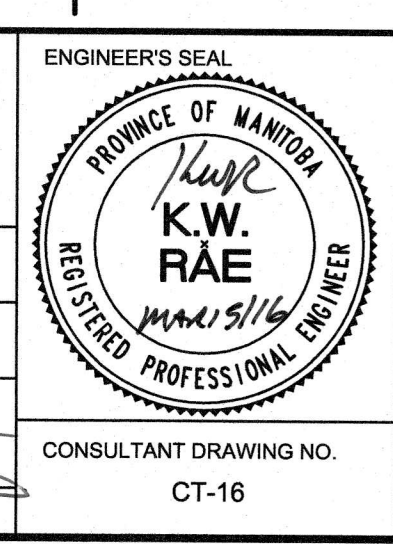
AECOM

DESIGNED BY: BC
DRAWN BY: JC/SF/RMT
HOR. SCALE: 1:250
VERTICAL: 1:10

CHECKED BY: KWR
APPROVED BY:
RELEASED FOR CONSTRUCTION BY:

ISSUED FOR TENDER: 03/16/2016 BC
ISSUED FOR REVIEW: 02/12/2016 BC

NO. REVISIONS DATE BY



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2016 LOCAL STREET RENEWAL PROGRAM

TORONTO AVENUE - PORTAGE AVE TO ST MATTHEWS AVE
ASPHALT RECONSTRUCTION
PORTAGE AVENUE TO STATION 0+240

CITY DRAWING NUMBER
SHEET 16 OF 19

CONSULTANT DRAWING NO. CT-16