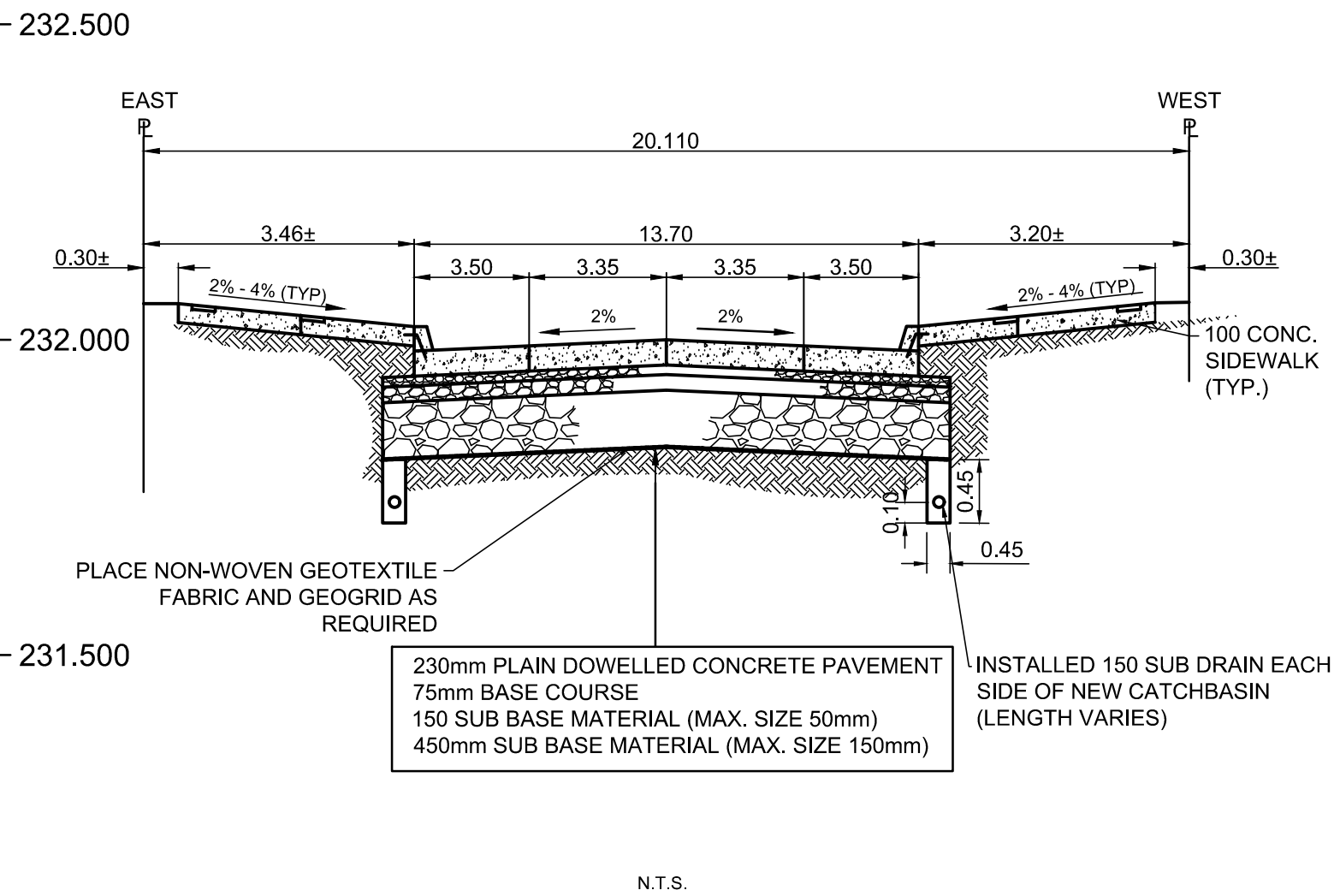




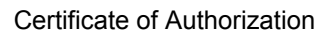
CB & CP TABLE								
DESCRIPTION	RIM ELEV.	INVERT				CONNECTION	LEAD	
		EAST	WEST	NORTH	SOUTH			TIE IN INV.
CB - 06	231.630			230.030		228.300 +/-	300 CS LINED	6.0m 2500 @2% MIN.
CB - 07	231.585		229.985			229.300 +/-	EX. MH	2.5m 2500 @2% MIN.
CP - 02	231.471	230.471					NEW CB	2.5m 2500 @2% MIN.
CB - 08	231.750	230.420	230.150			229.100 +/-	300 CS	8.5m 2500 @2% MIN.
CB - 09	231.471	229.871				227.000 +/-	450 SRS	2.7m 2500 @2% MIN.

REFERENCE NOTES

- A. PAVEMENT DIMENSIONS ARE TO BACK OF CURB
- B. BASELINE IS CENTRELINE OF RIGHT-OF-WAY
- C. PROPERTY LINES OBTAINED FROM THE CITY OF WINNIPEG G.B.I.S.
- D. AND NO SCALE FACTOR WAS APPLIED
- E. REFER TO AECOM FIELD BOOK NO. 4987
- F. REFERENCE TO DWGS CT-J06 AND CT-J07 FOR STREETSCAPING ELEMENTS
- G. PRE-CONSTRUCTION CONNECTIONS TO SEWER DESIGNED TO MAINTAIN
- H. FUTURE CONSTRUCTION APPROXIMATELY BY CATCH BASIN LEAD
- I. RESTRICTION AS INDICATED ON THE DRAWINGS.
- J. ADDITIONAL OR MODIFIED CONNECTIONS TO THE SEWER
- K. SYSTEM BEYOND THOSE INDICATED ON THE DRAWINGS
- L. REQUIRE REVIEW AND WRITTEN APPROVAL BY THE
- M. CONTRACT ADMINISTRATOR.

CONSTRUCTION NOTES

1. REMOVE EXISTING PAVEMENT INCLUDING CONCRETE STREETCAR BEDDING AND WOOD TIES AND RAILS, AND CONSTRUCT NEW 230mm PLAIN DOWELLED CONCRETE PAVEMENT c/w 180mm BARRIER CURB (SEPARATE)
2. CONSTRUCT NEW 200mm REINFORCED CONCRETE PAVEMENT
3. REMOVE EXISTING CONCRETE SIDEWALK/PAVER STONE SIDEWALK AND CONSTRUCT NEW MONOLITHIC CONCRETE SIDEWALK (REFER TO DETAIL 4, CT-07) CONTRACTOR TO SAW CUT 15 PROPERTY LINE (PER LENGTH OF PROJECT)
4. INSTALL NEW CURB AND GUTTER INLET c/w CATCHBASIN (SD024). CONNECT NEW 250mm LEAD TO EXISTING LEAD, EXISTING COMBINED SEWER/MANHOLE OR STORM RELIEF SEWER
5. REMOVE EXISTING CATCHBASIN AND INSTALL NEW CURB AND GUTTER INLET c/w CATCHBASIN (SD-024). CONNECT NEW 250mm LEAD TO EXISTING LEAD, EXISTING COMBINED SEWER / MANHOLE OR STORM RELIEF SEWER
6. REMOVE EXISTING CATCHBASIN AND ABANDON EXISTING LEAD
7. REMOVE EXISTING FRAME AND COVER AND INSTALL NEW FRAME AND SOLID COVER (AP-006 & AP-007)
8. CONSTRUCT NEW MONOLITHIC CURB RAMP (100mm HT. INTEGRAL)
9. CONSTRUCT NEW MODIFIED BARRIER CURB (180mm HT. INTEGRAL) AS PER SD-203B AT ALL STREET/LANE INTERSECTION RADI
10. REMOVE EXISTING CURB AND GUTTER INLET AND LEAD
11. ADJUST EXISTING CATCHBASIN/MANHOLE FRAME AND COVER
12. ADJUST EXISTING WATERMAIN VALVE BOX TO GRADE
13. INSTALL NEW 50mm CAST IRON RISER RING
14. INSTALL 150mm SUBDRAIN 12m ON EACH SIDE OF CATCHBASIN
15. ADJUST EXISTING CURB STOP TO GRADE
16. INSTALL NEW DETECTABLE SURFACE WARNING TILES
17. MILL AND PLACE ASPHALT PAVEMENT (TYPE 1A)
18. EXISTING TRAFFIC SIGNALS POLE TO BE RELOCATED (BY OTHERS)
19. EXISTING STREET LIGHT POLE TO BE RELOCATED (BY OTHERS)
20. INSTALL FLOW RESTRICTOR PIPE 200mm PVC SDR 35 CENTER RESTRICTOR PIPE IN CB LEAD (SD-122)
21. ADJUST MANITOBA HYDRO / MTS MANHOLES (BY OTHERS)
22. INSULATE WATER SERVICES UNDER ROADWAY EXCAVATION AS PER (SD-18)
23. INSULATE CATCH BASIN OVER WATERMAIN (REFER TO DETAIL 6, CT-07)
24. REMOVE PAVEMENT AS REQUIRED AND PLACE ASPHALT PATCH

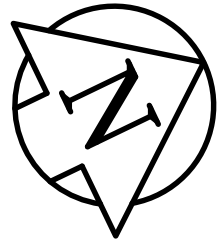


AECOM Canada Ltd.

No. 4671 Date:

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	C PROFILE				
⬢	HYDRANT	⬢	M.T.S.	WEST GUTTER				
⊗	VALVE	⊗	CONCRETE	EAST GUTTER				
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	ASPHALT	N/W PROPERTY LINE				
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	S/E PROPERTY LINE				
○	MANHOLE	●	SURVEY BAR					
□	CATCH BASIN	235.750	ELEVATION	(35.750)				
▽	CATCH PIT	500se	TREE					
↑	TRAFFIC SIGNAL POLE		SIDEWALK RAMP					
↑	STREET LIGHT		CONCRETE SIDEWALK FENCE					
	GAS							
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES

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.

[illegible]

S.W. Cor. Notre Dame Ave. & Hargrave St., Tblt. in
N. Conc. found. No. 440 Hargrave St., 1m W. &
0.3 m below Tyndall Stone of N.E. Cor. of Bldg.

B	ISSUED FOR TENDER	06/23/2017	TLF
A	ISSUED FOR REVIEW	06/13/2017	TW
NO.	REVISIONS	DATE	BY

S.W. Cor. Notre Dame Ave. & Hargrave St., Tblt. in
N. Conc. found. No. 440 Hargrave St., 1m W. &
0.3 m below Tyndall Stone of N.E. Cor. of Bldg.

AECOM

DESIGNED BY	TLF	CHECKED BY	TDW
DRAWN BY	PP/PB	APPROVED BY	KWR
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION BY:	
VERTICAL:	1:10		
DATE		DATE	

ENGINEER'S SEAL



CONSULTANT DRAWING NO.
CT-05



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DOWNTOWN BIKE LANE SYSTEM AND STREET IMPROVEMENT

PAVEMENT RECONSTRUCTION
TION 0+230 TO NOTRE DAME AVENUE

CITY DRAWING NUMBER

05 OF 07