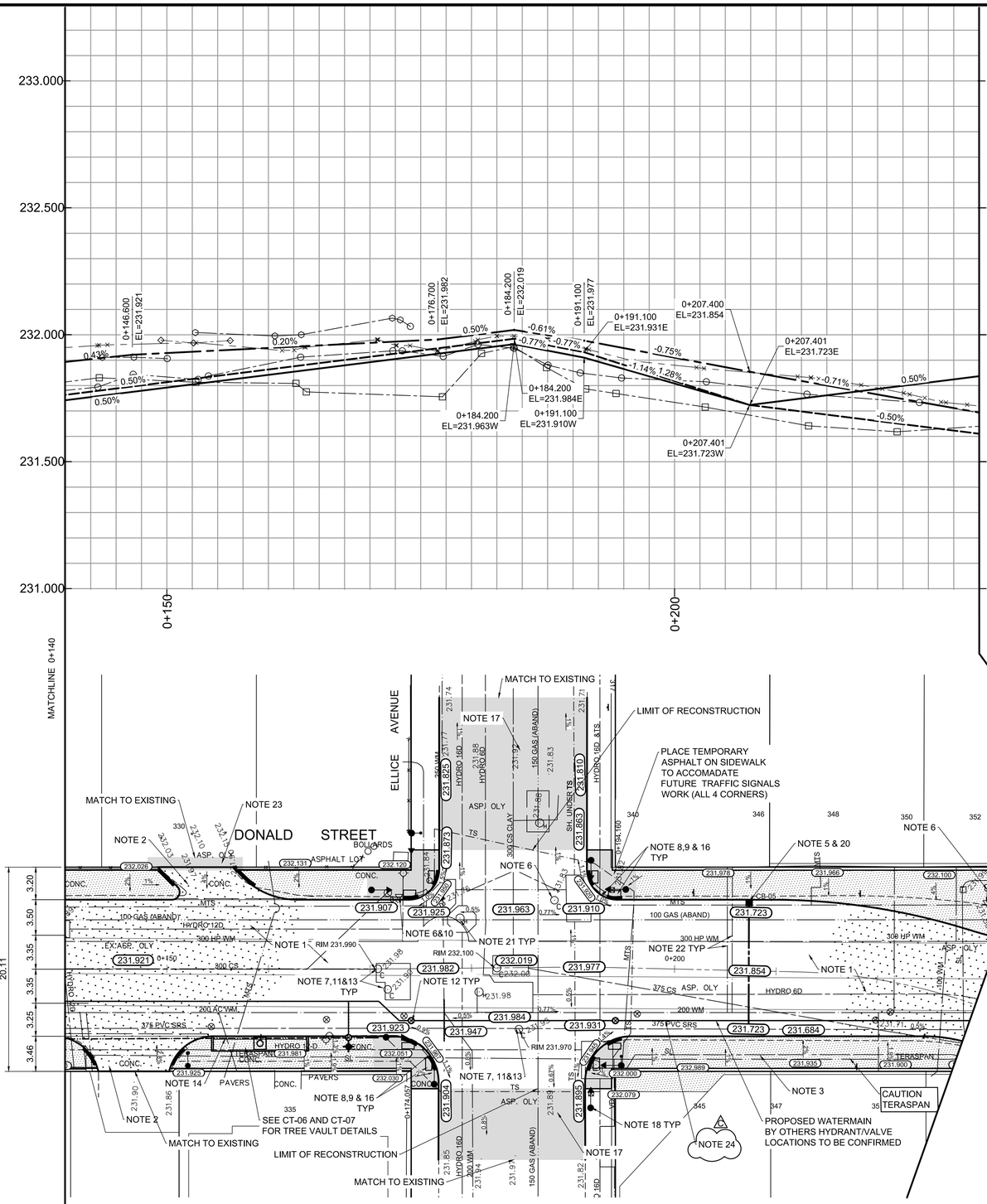

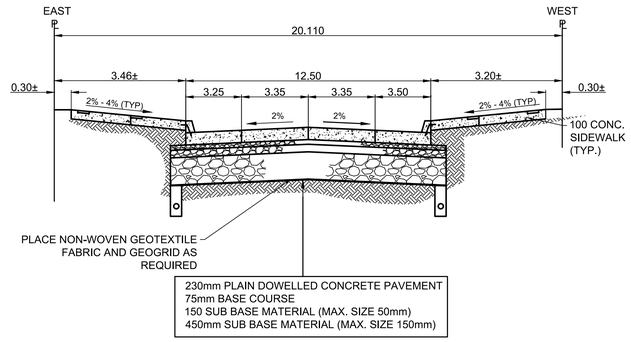

N.T.S.

CB & CP TABLE								
DESCRIPTION	RIM ELEV.	INVERT					CONNECTION	LEAD
		EAST	WEST	NORTH	SOUTH	TIE IN INV.		
CB-05	231.720	230.120				227.700	375 PVC SRS	13.0m 250Ø @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 L.B.I.S., AND NO SCALE FACTOR WAS APPLIED
D. REFER TO AECOM FIELD BOOK NO. 4987
E. REFER TO DWGS CT-05 FOR STREETSCAPING ELEMENTS.
F. CATCH BASIN CONNECTIONS TO SEWER DESIGNED TO MAINTAIN PRE-CONSTRUCTION CAPACITY BY CATCH BASIN LEAD RESTRICTION AS INDICATED ON THE DRAWINGS. ADDITIONAL OR MODIFIED CONNECTIONS TO THE SEWER SYSTEM BEYOND THOSE INDICATED ON THE DRAWINGS REQUIRE REVIEW AND WRITTEN APPROVAL BY THE CONTRACT ADMINISTRATOR.

CONSTRUCTION NOTES

1. REMOVE EXISTING PAVEMENT INCLUDING CONCRETE STREETCAR BEDDING, RAILS AND WOOD TIES, 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 100mm SIDEWALK c/w PAVING STONE BAND (REFER TO DETAIL 4, CT- 07) CONTRACTOR TO SAW CUT AT PROPERTY LINE FULL 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 (SD024), 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 (10mm HT. INTEGRAL)
9. CONSTRUCT NEW MODIFIED BARRIER CURB (180mm HT. INTEGRAL) AS PER SD-203B AT ALL STREET/LANE INTERSECTION RADII
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, UNLESS OTHERWISE NOTED
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. REMOVE PAVEMENT AS REQUIRED AND PLACE ASPHALT PATCH
24. INSULATE SHALLOW WATERMAIN FROM STATION 1+75 TO STATION 2+45 AS PER SD-18

Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date:_____

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			℄ 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	▼	500ø	TREE				
↕	TRAFFIC SIGNAL POLE			SIDEWALK RAMP				
↕	STREET LIGHT			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. 38 - 035
ELEV. 232.286
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.

NO.	REVISIONS	DATE	BY
C	ISSUED FOR ADDENDUM 1	06/28/2017	TLF
B	ISSUED FOR TENDER	06/23/2017	TLF
A	ISSUED FOR REVIEW	06/13/2017	TW

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
PROVINCE OF MANITOBA
T.L. FINDLAY
Member
23820
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
CT-04

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DOWNTOWN BIKE LANE SYSTEM AND STREET IMPROVEMENT

CITY DRAWING NUMBER P-3488-04

SHEET 04 OF 07

DONALD STREET- PORTAGE AVENUE TO NOTRE DAME AVENUE
PAVEMENT RECONSTRUCTION
STATION 0+140 TO STATION 0+230