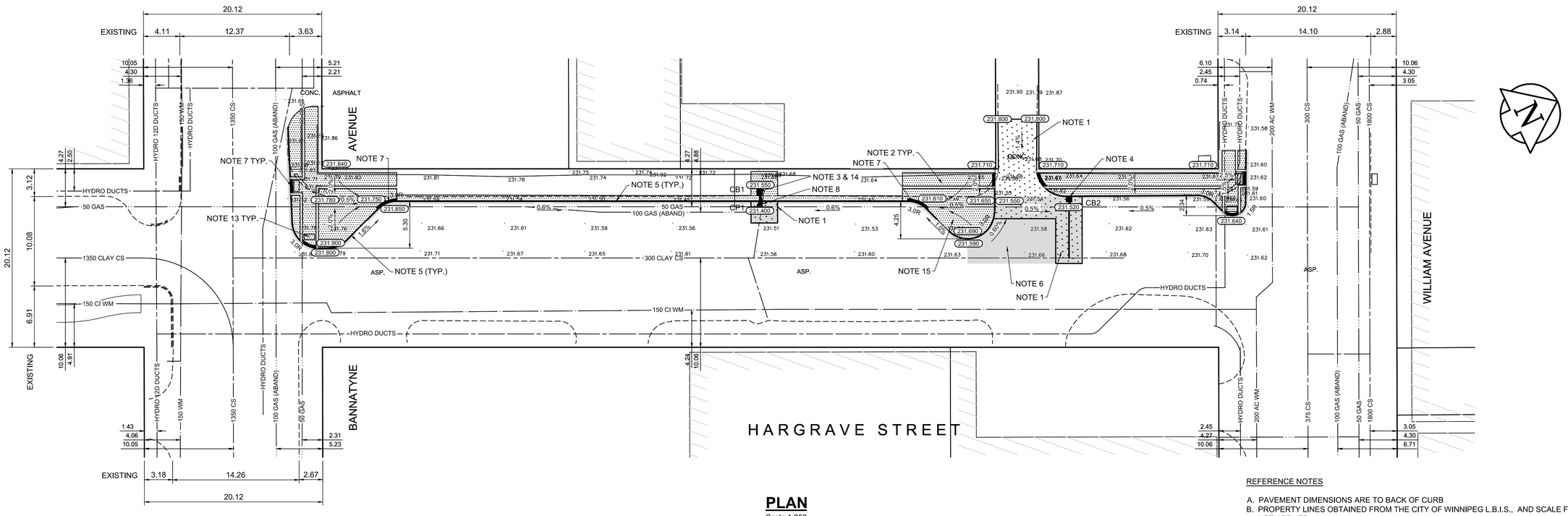
CB & CP TABLE								
DESCRIPTION	RIM ELEV.	INVERT					CONNECTION	LEAD
		EAST	WEST	NORTH	SOUTH	SEWER		
CB1	231.550	230.500					EXIST. LEAD	2.0m-250Ø @ 2% Min
CB2	231.520	230.420				228.30±	300 CS	7.0m-250Ø @ 2% Min
CP1	231.400		230.550				NEW CB1	1.0m-250Ø @ 2% Min



PLAN

Scale 1:250

REFERENCE NOTES

A. PAVEMENT DIMENSIONS ARE TO BACK OF CURB
B. PROPERTY LINES OBTAINED FROM THE CITY OF WINNIPEG L.B.I.S., AND SCALE FACTOR WAS NOT APPLIED
C. CATCHBASIN 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 AND CONSTRUCT NEW 200mm REINFORCED CONCRETE PAVEMENT
2. REMOVE EXISTING CONCRETE SIDEWALK/PAVER STONE SIDEWALK AND CONSTRUCT NEW 100mm CONCRETE SIDEWALK c/w PAVING STONE BAND (SEE DETAIL 4, CT-03)
3. REMOVE EXISTING CATCHBASIN AND INSTALL NEW CATCHBASIN (SD-025). CONNECT NEW 250mm LEAD TO EXISTING LEAD
4. INSTALL NEW CATCHBASIN c/w CURB AND GUTTER INLET FRAME AND COVER (SD011/SD012). CONNECT NEW 250mm LEAD TO EXISTING 300 CS
5. REMOVE EXISTING CURB AND CONSTRUCT NEW MONOLITHIC CONCRETE BARRIER CURB (100mm REVEAL HT.). SAW CUT AND REPLACE ASPHALT 0.3m-0.5m FROM FACE OF CURB AS REQUIRED.
6. REMOVE EXISTING ASPHALT PAVEMENT AND REPLACE WITH NEW ASPHALT OVERLAY TYPE 1A (50-100mm AVG. THICKNESS)
7. CONSTRUCT NEW CURB RAMP (10mm HT. INTEGRAL/MONOLITHIC)
8. REMOVE EXISTING CURB INLET AND INSTALL NEW CATCHPIT (SD-023)
9. ADJUST EXISTING CATCHBASIN/MANHOLE FRAME AND COVER
10. ADJUST EXISTING WATERMAIN VALVE BOX TO GRADE
11. INSTALL NEW 50mm CAST IRON RISER RING
12. ADJUST EXISTING CURB STOP TO GRADE
13. INSTALL NEW DETECTABLE SURFACE WARNING TILE
14. INSTALL FLOW RESTRICTING PIPE, 150mm PVC SDR 35 ORIFICE RESTRICTOR PIPE IN CB LEAD (SD-025B)
15. CONSTRUCT NEW 100mm CONCRETE SIDEWALK c/w PAVING STONE BAND (SEE DETAIL 4, CT-03)

APEGM
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
0	ISSUED FOR TENDER	2019/07/26	TLF

AECOM

DESIGNED BY	TLF	CHECKED BY	TLF
DRAWN BY	RAM	APPROVED BY	
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION BY:	
VERTICAL:	1:10		
DATE	08/08/18	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
T.L. FINDLAY
Member
23820
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
CT-02

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2018 PARKING AND STREET ENHANCEMENTS PROGRAM
WINNIPEG EXCHANGE DISTRICT

CITY DRAWING NUMBER
SHEET 02 OF 05

PAVEMENT GRADING PLAN
HARGRAVE STREET
BANNATYNE AVENUE TO WILLIAM AVENUE