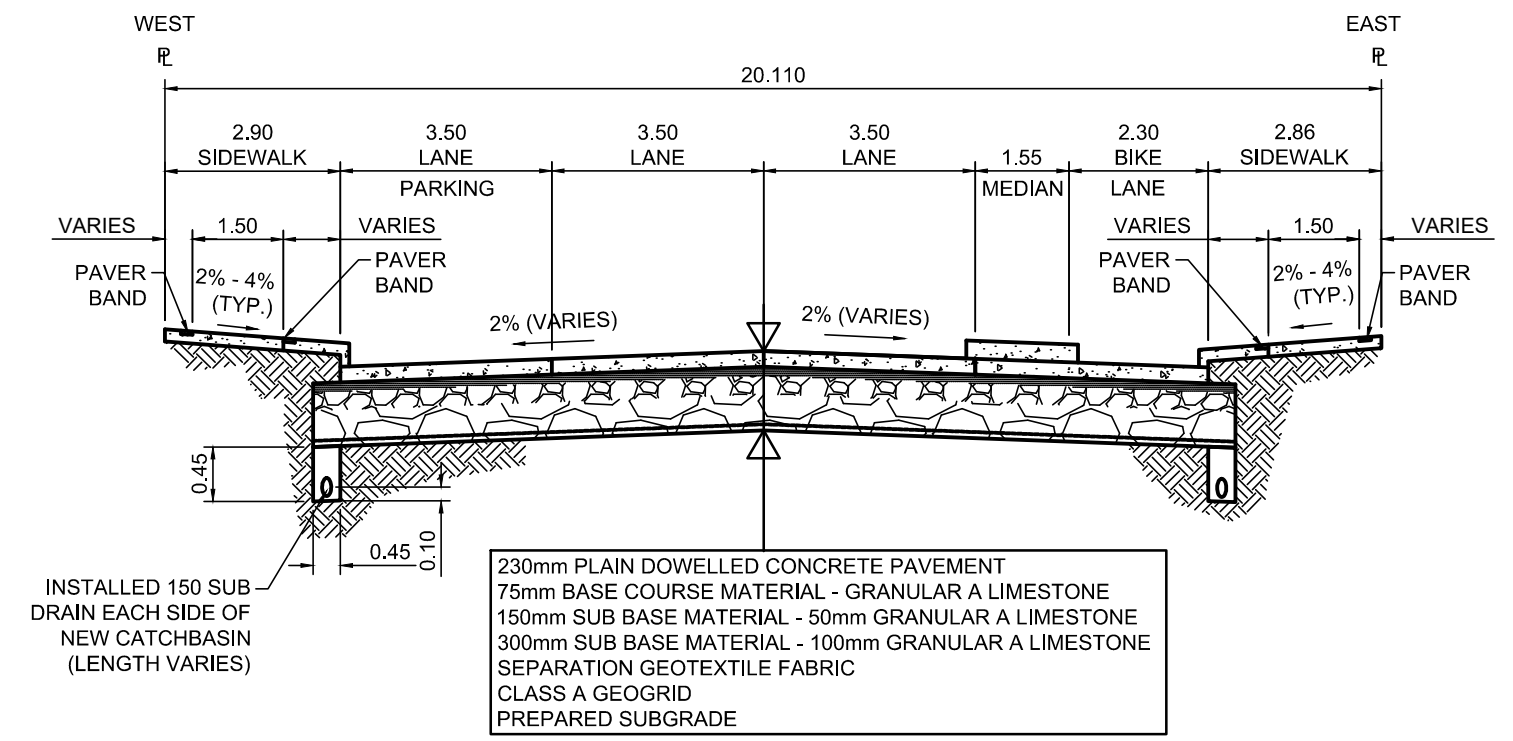


PROFILE
Scale H=1:250 V=1:10



TYPICAL SECTION 0+185 TO 0+260.7
Scale NTS

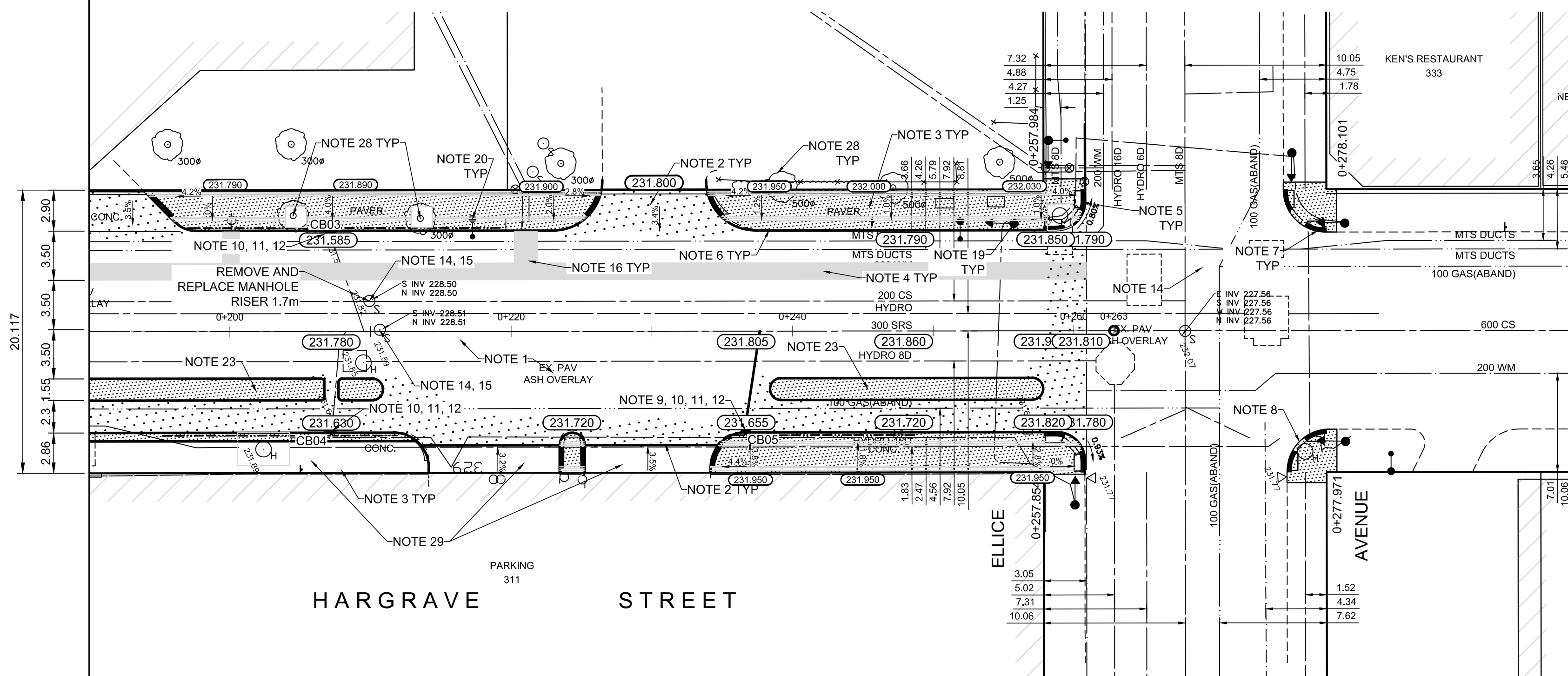
CB & CP TABLE										
ITEM	RIM ELEV.	Sta	INVERT					CONNECTION	LEAD	FLOW RESTRICTOR
			EAST	WEST	NORTH	SOUTH	SEWER			
CB03	231.585	0+207	299.985				EXIST	300 CLAY SRS	EXIST	
CB04	231.630	0+207		230.030			EXIST	300 CLAY SRS	EXIST	150mm
CB05	231.655	0+236.7		230.055				300 CLAY SRS	7.0m-250Ø @ 2% Min	150mm

REFERENCE NOTES

- PAVEMENT DIMENSIONS ARE TO BACK OF CURB
- BASELINE IS CENTRELINE OF RIGHT-OF-WAY
- PROPERTY LINES OBTAINED FROM THE CITY OF WINNIPEG L.B.I.S., AND SCALE FACTOR WAS NOT APPLIED
- REFER TO AECOM FIELD BOOK NO. 4998
- 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

- REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 230mm PLAIN DOWELLED CONCRETE PAVEMENT
- CONSTRUCT NEW 200mm REINFORCED CONCRETE PAVEMENT
- REMOVE EXISTING CONCRETE SIDEWALK AND CONSTRUCT NEW 100mm SIDEWALK WITH BLOCKOUTS c/w PAVING STONES FOR INDICATOR SURFACE (REFER TO TYPICAL SECTION ON THIS SHEET AND CT-19 DETAILS FOR ADDITIONAL INFORMATION). CONTRACTOR TO SAW CUT AT PROPERTY LINE FULL LENGTH OF PROJECT
- INSULATE WATER MAIN AND WATER SERVICES UNDER ROADWAY EXCAVATION AS PER (SD-18)
- INSTALL NEW DETECTABLE SURFACE WARNING TILES
- CONSTRUCT NEW BARRIER CURB (180mm HT. SEPARATE)
- CONSTRUCT NEW MONOLITHIC CURB RAMP (10mm HT. INTEGRAL)
- CONSTRUCT NEW MODIFIED BARRIER CURB (180mm HT. INTEGRAL) AS PER SD-203B AT ALL STREET/LANE INTERSECTION RADII
- INSTALL NEW CURB AND GUTTER INLET c/w CATCHBASIN (SD024) CONNECT NEW 250mm LEAD TO EXISTING COMBINED SEWER
- REMOVE AND REPLACE CURB AND GUTTER INLET c/w CATCHBASIN (SD-024) CONNECT TO EXISTING LEAD
- INSTALL FLOW RESTRICTOR PIPE AS INDICATED IN CB & CP TABLE (SD-122)
- INSTALL 150mm SUBDRAIN 12m ON EACH SIDE OF CATCHBASIN UNLESS OTHERWISE NOTED
- REMOVE EXISTING CURB INLET / CATCH PIT / CATCHBASIN AND ABANDON EXISTING LEAD
- REMOVE EXISTING FRAME AND COVER AND INSTALL NEW FRAME AND SOLID COVER (AP-006 & AP-007)
- ADJUST EXISTING CATCHBASIN / MANHOLE FRAME AND COVER
- ADJUST EXISTING WATERMAIN VALVE BOX TO GRADE
- INSTALL NEW 50mm CAST IRON RISER RING
- ADJUST EXISTING CURB STOP TO GRADE
- EXISTING TRAFFIC SIGNALS POLE TO BE RELOCATED (REFER TO SIGNALS DRAWINGS FOR ADDITIONAL DETAILS)
- EXISTING STREET LIGHT POLE TO BE RELOCATED (REFER TO STREET LIGHTING DRAWINGS FOR ADDITIONAL DETAILS)
- ADJUST MANITOBA HYDRO/ MTS MANHOLES (BY OTHERS)
- REMOVE EXISTING PARKING PAY STATIONS (BY OTHERS)
- CONSTRUCT NEW MONOLITHIC CONCRETE MEDIAN
- REMOVE EXISTING TREE
- INSTALL TREE VAULT c/w SUBDRAINS, TREE VAULT, TREE VAULT COVER, TREE GRATE, TREE GRATE FRAME, TREE GUARD, PLANTING MEDIUM, AND TREE (BRANDON ELM)
- REMOVE AND REINSTALL EXISTING BIKE RACK
- INSTALL BIKE RACK
- PROTECT EXISTING TREE DURING CONSTRUCTION
- PROTECT EXISTING APPROACH AND SIDEWALK DURING CONSTRUCTION



PLAN
Scale 1:250

ENGINEERS GEOSCIENTISTS MANITOBA
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	HYDRO	HYDRO	— x —	PROFILE	PROFILE
◇	HYDRANT	◆	M.T.S.	M.T.S.	M.T.S.	— □ —	WEST GUTTER	WEST GUTTER
⊙	VALVE	⊙	CONCRETE	CONCRETE	CONCRETE	— ○ —	EAST GUTTER	EAST GUTTER
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	ASPHALT	ASPHALT	ASPHALT	— ◇ —	N/W PROPERTY LINE	N/W PROPERTY LINE
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	PROPERTY LINE	PROPERTY LINE	— ○ —	S/E PROPERTY LINE	S/E PROPERTY LINE
○	MANHOLE	○	SURVEY BAR	SURVEY BAR	SURVEY BAR	— — —		
□	CATCH BASIN	■	ELEVATION	ELEVATION	ELEVATION	(35.750)		
▽	CATCH PIT	▽	TREE	TREE	TREE	300*		
↑	TRAFFIC SIGNAL POLE	↑	SIDEWALK RAMP	SIDEWALK RAMP	SIDEWALK RAMP	— — —		
↑	STREET LIGHT	↑	CONCRETE SIDEWALK	CONCRETE SIDEWALK	CONCRETE SIDEWALK	— — —		
—	GAS	—	FENCE	FENCE	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.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	2020/02/24	TLF
A	ISSUED FOR REVIEW	2020/02/10	KWR

AECOM

DESIGNED BY: BC
CHECKED BY: TLF
DRAWN BY: PAAP
APPROVED BY: TLF

HOR. SCALE: AS SHOWN
VERTICAL: RELEASED FOR CONSTRUCTION BY: _____

DATE: 2019/08/27

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

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DOWNTOWN PAVEMENT RENEWAL PROJECT
2020 CONSTRUCTION

PLAN/PROFILE GRADING PLAN
HARGRAVE STREET
STA. 0+190 TO ELLICE AVENUE

CITY DRAWING NUMBER P-3527-18
SHEET 18 OF 19

CONSULTANT DRAWING NO. CT-18