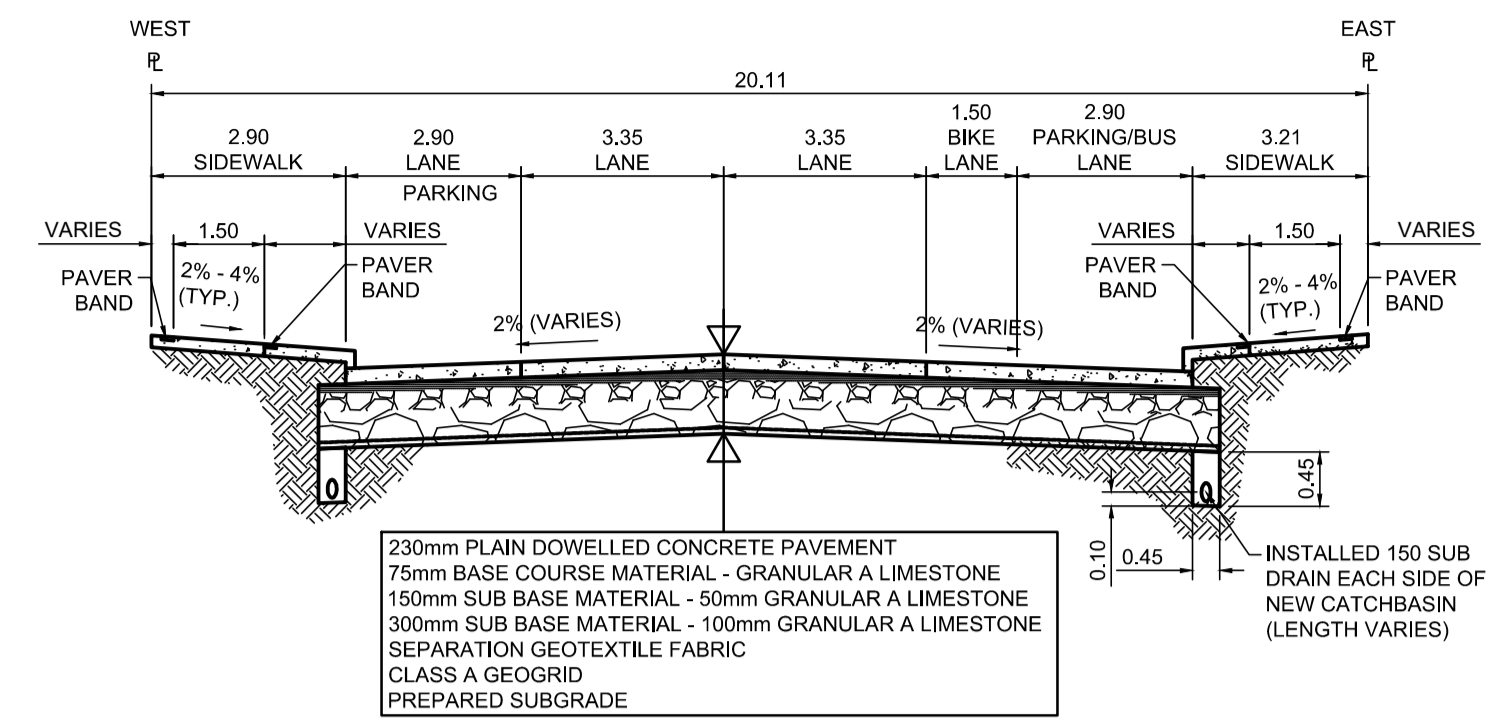


PROFILE
Scale H=1:250 V=1:10

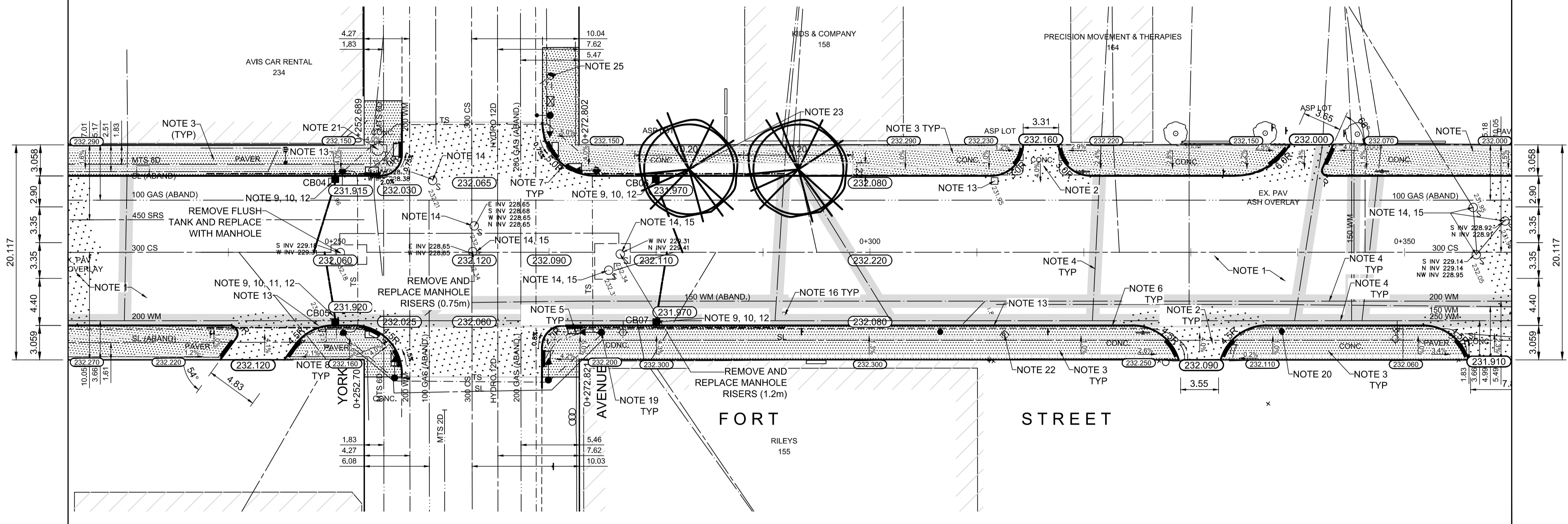


TYPICAL SECTION
Scale NTS

ITEM	RIM ELEV.	Sta	INVERT					CONNECTION	LEAD	FLOW RESTRICTOR
			EAST	WEST	NORTH	SOUTH	SEWER			
CB04	231.915	0+250	230.315				229.17±	300 CLAY CS	7.0m-2500 @ 2% Min	200mm
CB05	231.920	0+250		230.320			229.17±	300 CLAY CS	7.0m-2000 @ 2% Min	
CB06	231.970	0+280	230.370				229.39±	300 CLAY CS	7.0m-2500 @ 2% Min	150mm
CB07	231.970	0+280		230.370			229.39±	300 CLAY CS	7.0m-2500 @ 2% Min	100mm

- 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
 - INSTALL FLOW RESTRICTOR PIPE AS INDICATED IN CB & CP TABLE (SD-122)
 - INSULATE WATERMAIN AND/OR WATER SERVICE UNDER CATCHPIT OR CATCHBASIN
 - 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 MANHOLE HYDRO/ MTS MANHOLES (BY OTHERS)
 - REMOVE EXISTING PARKING PAY STATIONS (BY OTHERS)
 - INSTALL TREE VAULT c/w SUBDRAINS, TREE VAULT, TREE VAULT COVER, TREE GRATE, TREE GRATE FRAME, TREE GUARD, PLANTING MEDIUM, AND TREE (BRANDON ELM)
 - INSTALL BIKE RACK
 - PROTECT RED LIGHT CAMERA, REINSTALLED BY OTHERS



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.W.M.	WATERMAIN	150 mm W.W.M.	HYDRO	M.T.S.	CONCRETE	ASPHALT	PROPERTY LINE	SURVEY BAR
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	MANHOLE	CATCH BASIN	CATCH PIT
250mm W.W.S.	TRAFFIC SIGNAL POLE	STREET LIGHT	GAS	LEGEND - PLAN	PROPOSED	LEGEND - PROFILE	PROPOSED	

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 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	2020/01/24	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
T.L. FINDLAY
Member
23820
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DOWNTOWN PAVEMENT RENEWAL PROJECT
2020 CONSTRUCTION

PLAN/PROFILE GRADING PLAN
FORT STREET
STA. 0+225 TO STA. 0+360

CITY DRAWING NUMBER: P-3527-14
SHEET 14 OF 19