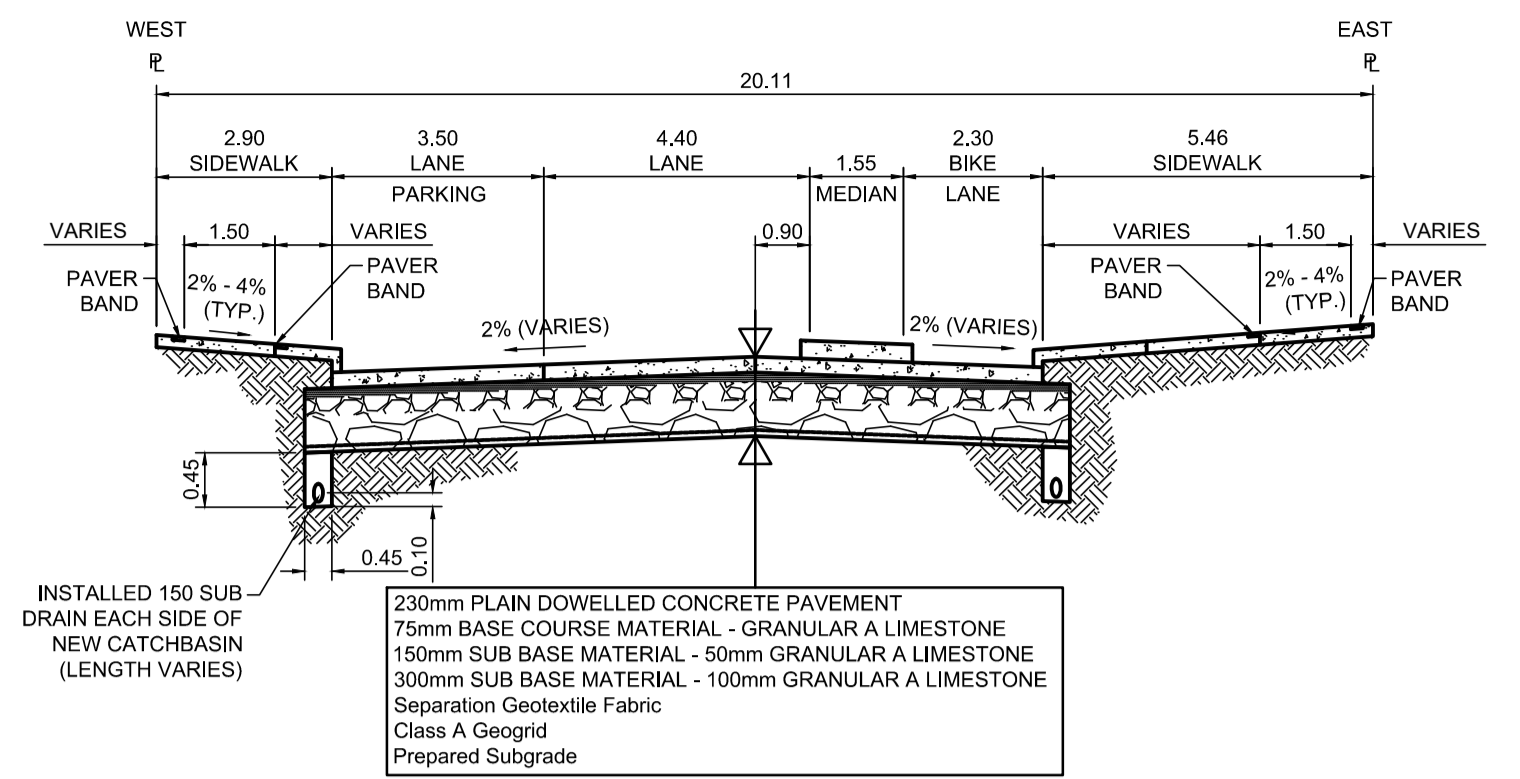


PROFILE
Scale H=1:250 V=1:10



TYPICAL SECTION STA.0+100 TO+180
Scale NTS

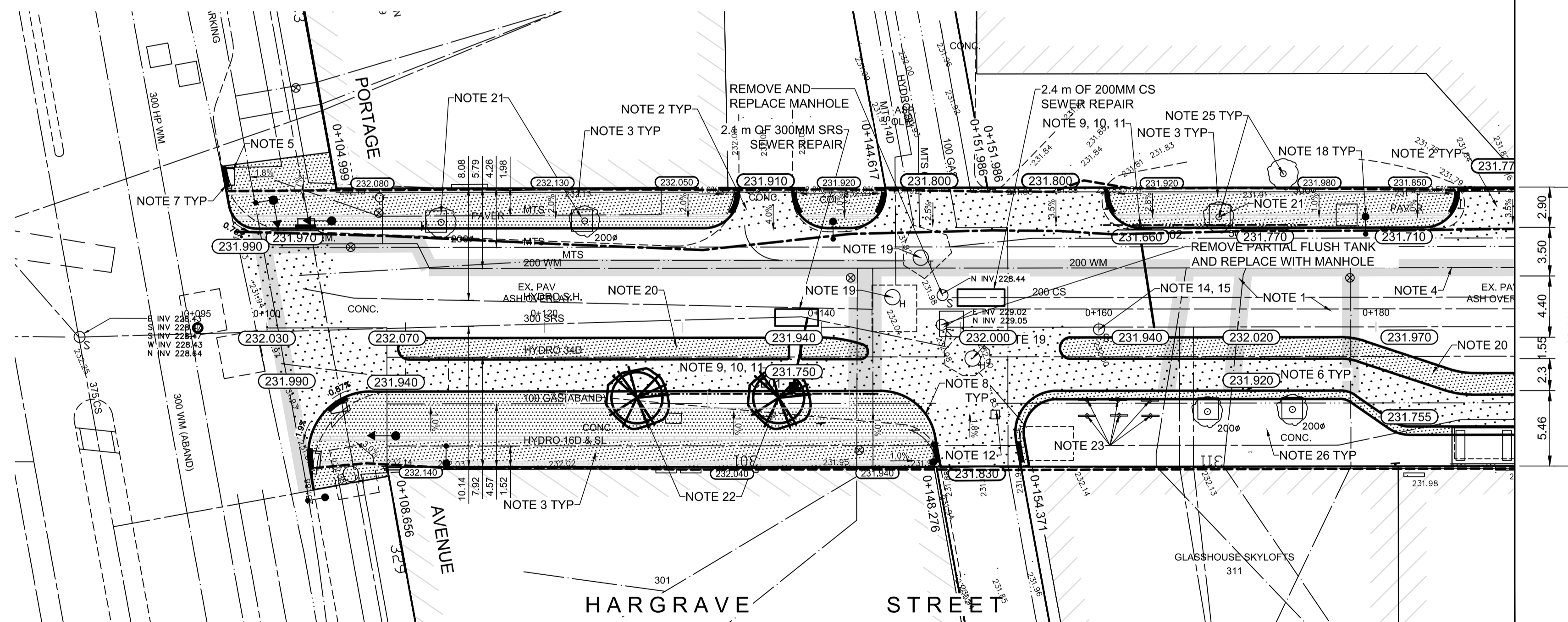
CB & CP TABLE									
ITEM	RIM ELEV.	Sta	INVERT			CONNECTION	LEAD	FLOW RESTRICTOR	
			EAST	WEST	SOUTH				
CB01	231.750	0+138		230.150		228.94±	300 CLAY SRS	7.0m-250Ø @ 2% Min	150mm
CB02	231.660	0+163	230.060			228.91±	300 CLAY SRS	7.0m-250Ø @ 2% Min	100mm

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 SCALE FACTOR WAS NOT APPLIED
- D. REFER TO AECOM FIELD BOOK NO. 4998
- E. 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 AND CONSTRUCT NEW 230mm PLAIN DOWELLED CONCRETE PAVEMENT
2. CONSTRUCT NEW 200mm REINFORCED CONCRETE PAVEMENT
3. 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
4. INSULATE WATER MAIN AND WATER SERVICES UNDER ROADWAY EXCAVATION AS PER (SD-18)
5. INSTALL NEW DETECTABLE SURFACE WARNING TILES
6. CONSTRUCT NEW BARRIER CURB (180mm HT. SEPARATE)
7. CONSTRUCT NEW MONOLITHIC CURB RAMP (10mm HT. INTEGRAL)
8. CONSTRUCT NEW MODIFIED BARRIER CURB (180mm HT. INTEGRAL) AS PER SD-203B AT ALL STREET/LANE INTERSECTION RADII
9. INSTALL NEW CURB AND GUTTER INLET c/w CATCHBASIN (SD024) CONNECT NEW 250mm LEAD TO EXISTING COMBINED SEWER
10. INSTALL FLOW RESTRICTOR PIPE AS INDICATED IN CB & CP TABLE (SD-122)
11. INSTALL 150mm SUBDRAIN 12m ON EACH SIDE OF CATCHBASIN UNLESS OTHERWISE NOTED
12. REMOVE EXISTING CURB INLET / CATCH PIT / CATCHBASIN AND ABANDON EXISTING LEAD
13. REMOVE EXISTING FRAME AND COVER AND INSTALL NEW FRAME AND SOLID COVER (AP-006 & AP-007)
14. ADJUST EXISTING CATCHBASIN / MANHOLE FRAME AND COVER
15. ADJUST EXISTING WATERMAIN VALVE BOX TO GRADE
16. INSTALL NEW 50mm CAST IRON RISER RING
17. ADJUST EXISTING CURB STOP TO GRADE
18. EXISTING STREET LIGHT POLE TO BE RELOCATED (REFER TO STREET LIGHTING DRAWINGS FOR ADDITIONAL DETAILS)
19. ADJUST MANITOBA HYDRO/ MTS MANHOLES (BY OTHERS)
20. CONSTRUCT NEW MONOLITHIC CONCRETE MEDIAN
21. REMOVE EXISTING TREE
22. INSTALL TREE VAULT c/w SUBDRAINS, TREE VAULT, TREE VAULT COVER, TREE GRATE, TREE GRATE FRAME, TREE GUARD, PLANTING MEDIUM, AND TREE (BRANDON ELM)
23. REMOVE AND REINSTALL EXISTING BIKE RACK
24. INSTALL BIKE RACK
25. PROTECT EXISTING TREE DURING CONSTRUCTION
26. PROTECT EXISTING TREE VAULT, SIDEWALK PAVERS AND BIKE RACKS 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	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 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.	tbm	South East Corner of Smith Avenue & Broadway, property line, top of 1" x 1" iron bar
ELEV.	231.968	

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 RENEWALS PROJECT
2020 CONSTRUCTION

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

CITY DRAWING NUMBER P-3527-17
SHEET 17 OF 19