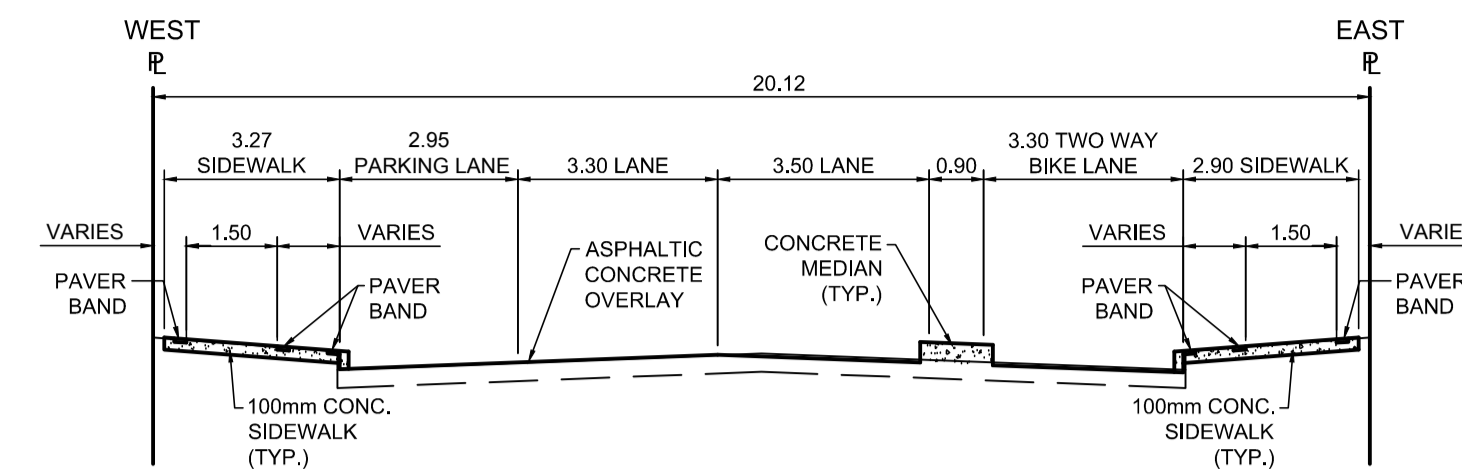


**PROFILE**  
Scale H=1:250 V=1:10

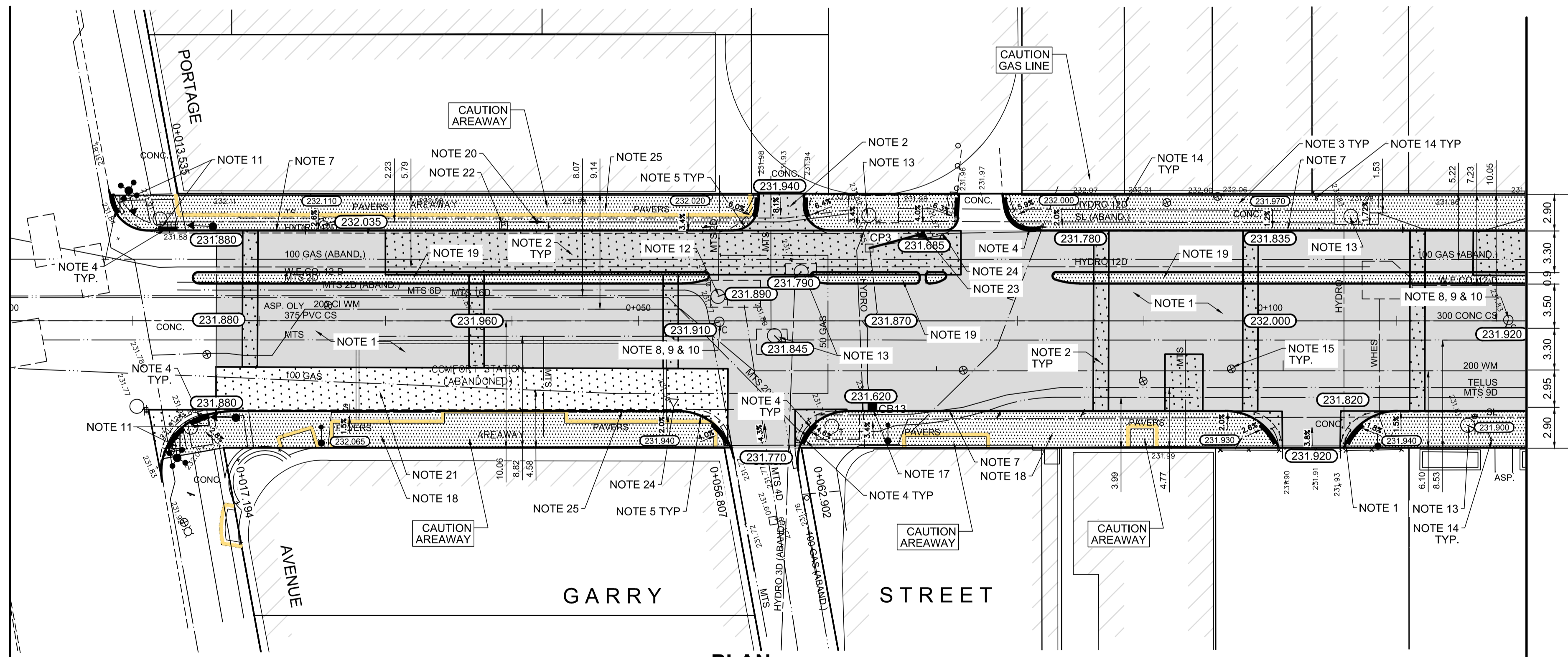


**TYPICAL SECTION**  
Scale NTS

DESCRIPTION	RIM ELEV.	INVERT				CONNECTION	LEAD
		EAST	WEST	NORTH	SOUTH		
CB13	231.620	229.97		230.685		EXIST. LEAD	
CP3	231.685					EXIST. CB	4.5m DRAIN CONN. PIPE

- 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 APPLIED
  - REFER TO AECOM FIELD BOOK NO. 4987
  - REFER TO DWGS CT-05 FOR STREETSCAPING ELEMENTS.
  - 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:**
- PLANE EXISTING ASPHALT AND CONSTRUCT NEW ASPHALTIC PAVEMENT OVERLAY TYPE 1A (AVERAGE THICKNESS 85mm)
  - REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 200mm REINFORCED CONCRETE PAVEMENT c/w 85mm TYPE 1A ASPHALT OVERLAY
  - REMOVE EXISTING CONCRETE SIDEWALK AND CONSTRUCT NEW 100mm SIDEWALK c/w PAVING STONE BAND (SEE DETAIL 2, CT-43)
  - RENEW EXISTING MONOLITHIC CURB RAMP (10mm HT. INTEGRAL)
  - CONSTRUCT NEW MODIFIED BARRIER CURB (150mm AVG. HT. REVEAL SEPARATE)
  - REMOVE EXISTING BARRIER CURB
  - RENEW EXISTING BARRIER CURB (100mm AVG. HT. REVEAL)
  - ADJUST EXISTING CATCH BASIN/MANHOLE TO GRADE
  - REMOVE EXISTING FRAME AND COVER AND PLACE NEW FRAME AND COVER (AP-004 AND AP-005)
  - INSTALL NEW CAST IRON RISER RING
  - INSTALL NEW DETECTABLE SURFACE WARNING TILES
  - ADJUST MTS MANHOLE FRAME AND COVER c/w 50mm CAST IRON RISER RING (BY OTHERS)
  - ADJUST EXISTING HYDRO MANHOLE (BY OTHERS)
  - ADJUST EXISTING CURB STOP TO GRADE
  - INSTALL VALVE BOX EXTENSION
  - REMOVE EXISTING CATCHBASIN AND CURB INLET
  - REMOVE AND REPLACE EXIST. CATCHBASIN AND CONNECT EXISTING LEAD TO NEW CATCHBASIN (SD-024)
  - REMOVE EXISTING PAVING STONES AND CONSTRUCT NEW 100mm SIDEWALK c/w PAVING STONE BAND (SEE DETAIL 2, CT-43)
  - CONSTRUCT NEW MONOLITHIC CONCRETE MEDIAN
  - REMOVE EXISTING BIKE RACK
  - REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 200 REINFORCED CONCRETE PAVEMENT
  - REMOVE EXISTING PARKING PAY STATION (BY OTHERS)
  - INSTALL NEW CATCHPIT C/W CURB AND GUTTER INLET AND CONNECT TO EXIST. CATCHBASIN
  - REMOVE EXISTING CATCHPIT
  - CONSTRUCT NEW BARRIER CURB (150mm AVG. HT. REVEAL SEPARATE).



**PLAN**  
Scale 1:250

150 mm W.M.	150 mm W.M.	HYDRO	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED	EXISTING		
WATERMAIN	HYDRANT	M.T.S.	CONCRETE	ASPHALT	PROPERTY LINE	SURVEY BAR	ELEVATION	(35.750)	TREE	SIDEWALK RAMP	CONCRETE SIDEWALK	FENCE
VALVE	LAND DRAINAGE SEWER	WASTEWATER SEWER	MANHOLE	CATCH BASIN	CATCH PIT	TRAFFIC SIGNAL POLE	STREET LIGHT	GAS	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING

**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	2018/02/26	KWR
B	RE-ISSUED FOR REVIEW	2018/01/29	KWR
A	ISSUED FOR REVIEW	2017/11/27	KWR

**AECOM**

DESIGNED BY: KWR  
DRAWN BY: PAAP  
CHECKED BY: KWR  
APPROVED BY: KWR

HOR. SCALE: 1:250  
VERTICAL: 1:10

DATE: 2017/11/27

ENGINEER'S SEAL

PROVINCE OF MANITOBA

**K.W. RAE**

REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO. CT-21

**THE CITY OF WINNIPEG**

PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION

DOWNTOWN BIKE LANE SYSTEM AND STREET IMPROVEMENT

PLAN/PROFILE GRADING PLAN

GARRY STREET

NOTRE DAME AVENUE TO STATION 0+120

CITY DRAWING NUMBER P-3495-21

SHEET 21 OF 45