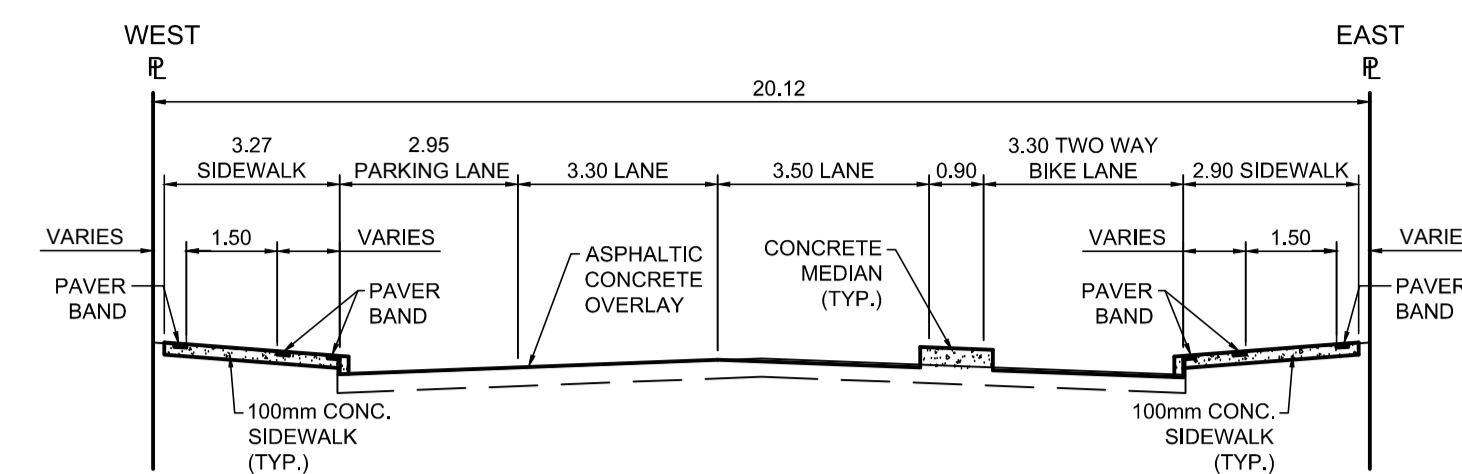


PROFILE
Scale H=1:250 V=1:10



TYPICAL SECTION
Scale NTS

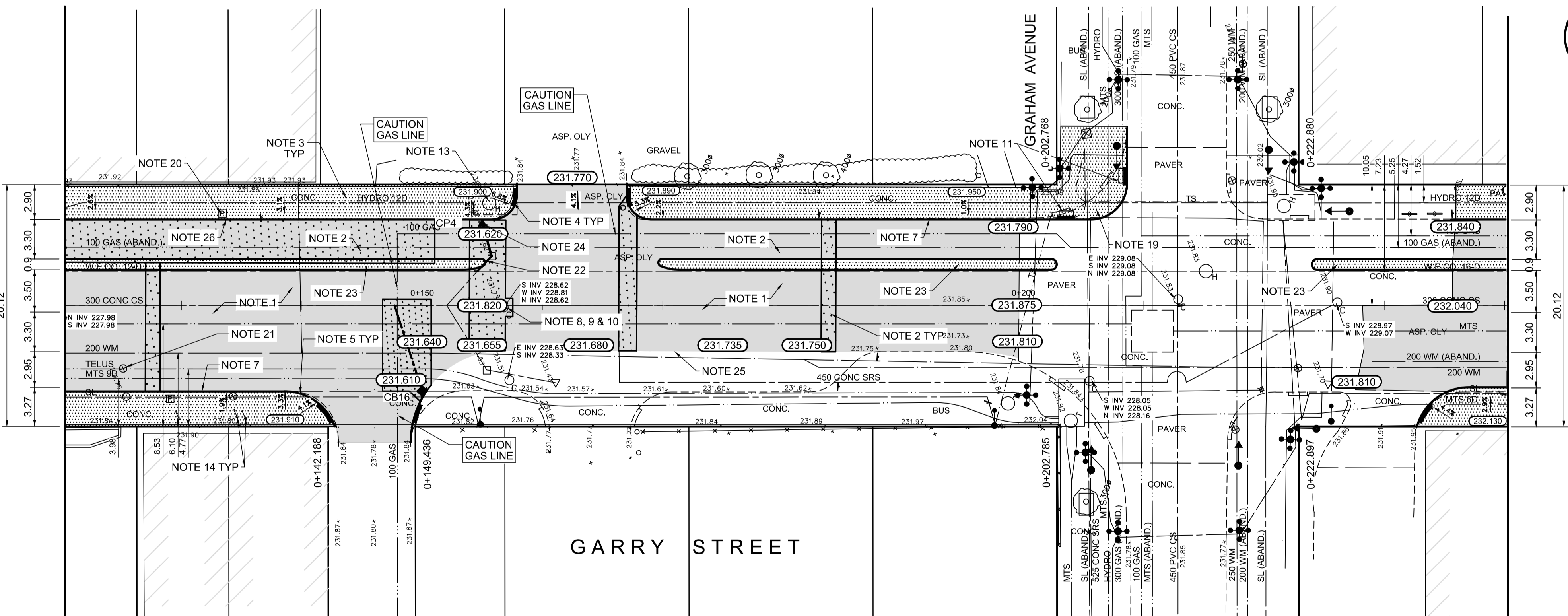
DESCRIPTION	RIM ELEV.	INVERT				CONNECTION	LEAD
		EAST	WEST	NORTH	SOUTH		
CP4	231.620		230.620			EXIST. CB	3.0m DRAIN CONN. PIPE
CB16	231.610				228.62±	EX. 300 CS	7.5m-250Ø @ 2% Min

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 APPLIED
- D. REFER TO AECOM FIELD BOOK NO. 4987
- E. REFER TO DWGS CT-40 FOR STREETSCAPING ELEMENTS.
- F. 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. PLANE EXISTING ASPHALT AND CONSTRUCT NEW ASPHALTIC PAVEMENT OVERLAY TYPE 1A (AVERAGE THICKNESS 85mm)
2. REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 200mm REINFORCED CONCRETE PAVEMENT c/w 85mm TYPE 1A ASPHALT OVERLAY
3. REMOVE EXISTING CONCRETE SIDEWALK AND CONSTRUCT NEW 100mm SIDEWALK c/w PAVING STONE BAND (SEE DETAIL 2, CT-43)
4. RENEW EXISTING MONOLITHIC CURB RAMP (10mm HT. INTEGRAL)
5. CONSTRUCT NEW MODIFIED BARRIER CURB (100mm AVG. HT. REVEAL SEPARATE)
6. REMOVE EXISTING BARRIER CURB
7. RENEW EXISTING BARRIER CURB (100mm AVG. HT. REVEAL)
8. ADJUST EXISTING CATCH BASIN/MANHOLE TO GRADE
9. REMOVE EXISTING FRAME AND COVER AND PLACE NEW FRAME AND COVER (AP-004 AND AP-005)
10. INSTALL NEW CAST IRON RISER RING
11. INSTALL NEW DETECTABLE SURFACE WARNING TILES
12. ADJUST MTS MANHOLE FRAME AND COVER c/w 50mm CAST IRON RISER RING (BY OTHERS)
13. ADJUST EXISTING HYDRO MANHOLE (BY OTHERS)
14. ADJUST EXISTING CURB STOP TO GRADE
15. INSTALL VALVE BOX EXTENSION
16. REMOVE EXISTING CATCHBASIN AND CURB INLET
17. REMOVE AND REPLACE EXIST. CATCHBASIN AND CONNECT EXISTING LEAD TO NEW CATCHBASIN (SD-024)
18. INSTALL NEW CATCHBASIN (SD-025) c/w NEW FRAME AND GATED COVER (AP-004 AND AP-006)
19. REMOVE EXISTING PAVERS AND INSTALL 100mm SIDEWALK c/w PAVER BANDS
20. REMOVE EXISTING PARKING PAY STATION (BY OTHERS)
21. INSTALL NEW VALVE BOX INSERT
22. REPAIR 2.0m OF 250Ø CB LEAD
23. CONSTRUCT MONOLITHIC CONCRETE MEDIAN
24. REMOVE EXISTING CATCHPIT AND INSTALL NEW CATCHPIT c/w CURB AND GUTTER INLET (SD-023)
25. MATCH EXISTING ASPHALT (FUTURE SKYCITY WORK LIMIT)
26. CONSTRUCT NEW BARRIER CURB (100mm AVG. HT. REVEAL SEPARATE).



PLAN
Scale 1:250

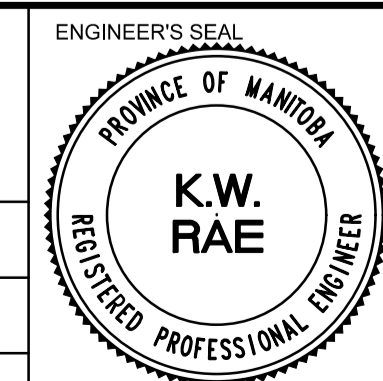
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	M.T.S.	— x —	— x —	PROFILE	— x —
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	CONCRETE	ASPHALT	— · — · —	— · — · —	WEST GUTTER	— · — · —
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	SURVEY BAR	— + —	— + —	EAST GUTTER	— + —
□	MANHOLE	●	ELEVATION	(35.750)	— () —	— () —	N/W PROPERTY LINE	— () —
□	CATCH BASIN	■	TREE	— () —	— () —	— () —	S/E PROPERTY LINE	— () —
▽	CATCH PIT	▼	SIDEWALK RAMP	— / —	— / —	— / —		
↑	TRAFFIC SIGNAL POLE	↑	CONCRETE SIDEWALK	— ▨ —	— ▨ —	— ▨ —		
↑	STREET LIGHT	↑	FENCE	— ▩ —	— ▩ —	— ▩ —		
—	GAS	—						

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.	
DESIGNED BY	KWR	CHECKED BY	KWR
DRAWN BY	PAAP	APPROVED BY	
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION BY:	
VERTICAL:	1:10	DATE	2017/11/27
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



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DOWNTOWN BIKE LANE SYSTEM AND STREET IMPROVEMENT

PLAN/PROFILE GRADING PLAN
GARRY STREET
STATION 0+120 TO STATION 0+240

CITY DRAWING NUMBER P-3495-22
SHEET 22 OF 45

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: _____

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES