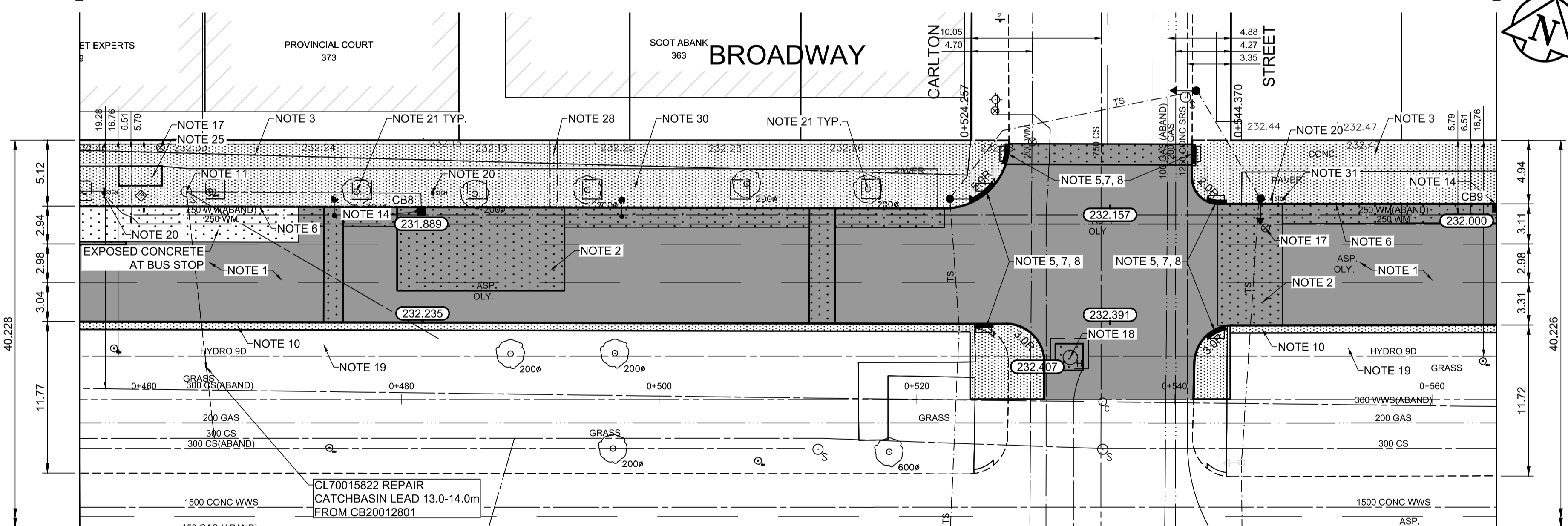
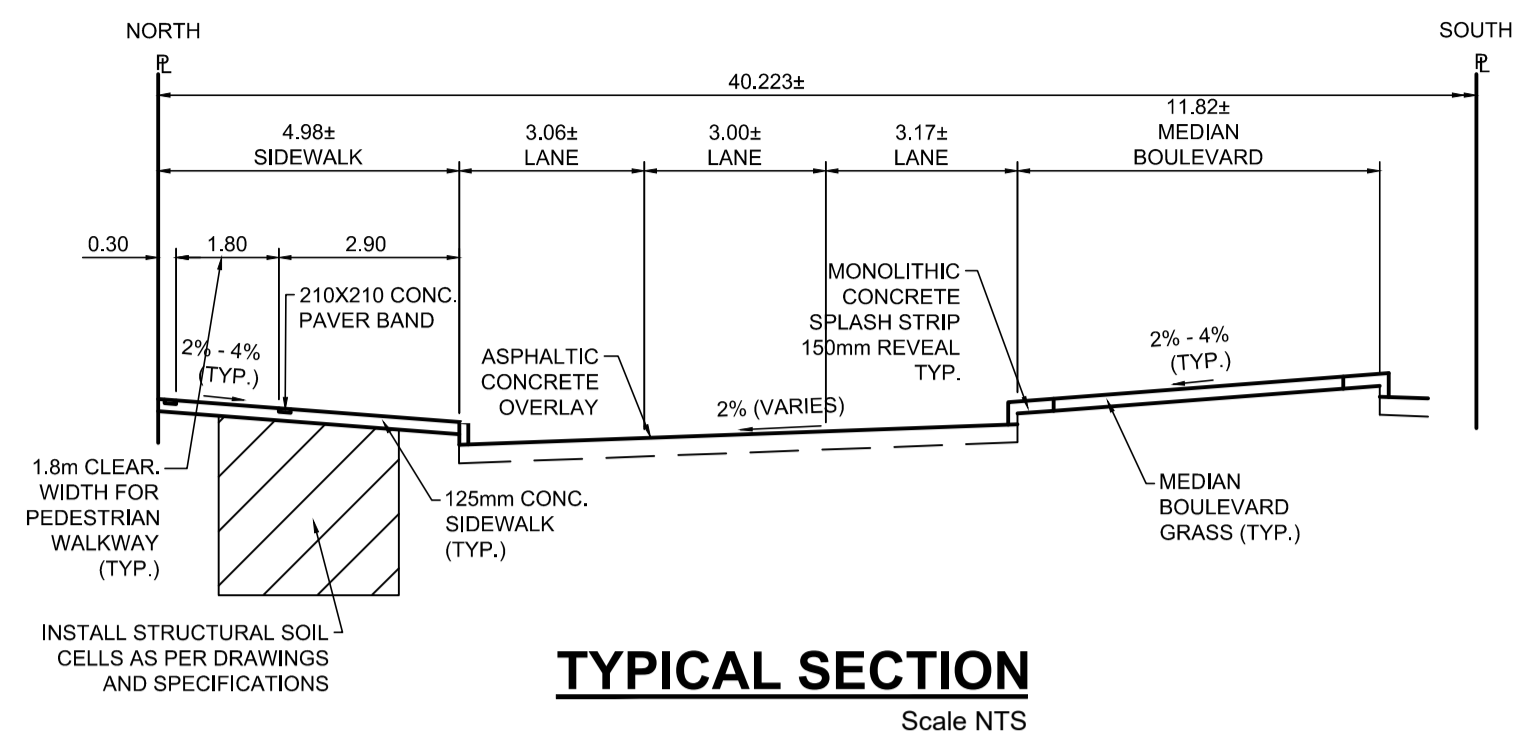


**PROFILE**  
Scale H=1:250 V=1:10



**PLAN**  
Scale 1:250



**TYPICAL SECTION**  
Scale NTS

ITEM	RIM ELEV.	Sta	INVERT					CONNECTION	LEAD	FLOW RESTRICTOR
			EAST	WEST	NORTH	SOUTH	V. RISER			
CB8	231.889	0+482			230.689			228.300±	300 CS	
CB9	232.000	0+565				230.800	n/a (Soil Cell)	300 CS		

**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. 5062 - 5069, 5072
- 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. PLANE EXISTING ASPHALT AND CONSTRUCT NEW ASPHALTIC PAVEMENT OVERLAY TYPE 1A (AVERAGE THICKNESS 85mm). CONTRACT ADMINISTRATOR TO DETERMINE LOCATIONS FOR INSTALLATION OF PAVEMENT REPAIR FABRIC PRIOR TO ASPHALT PAVING
2. REMOVE EXISTING PAVEMENT AND COMPLETE 200mm PARTIAL SLAB PATCHES AND SLAB REPLACEMENTS AS NOTED. SLAB REPLACEMENTS TO INCLUDE REINFORCEMENT
3. REMOVE EXISTING CONCRETE SIDEWALK AND INSTALL STRUCTURAL SOIL CELLS c/w 2-5" PVC CONDUITS AND 1-2" PVC CONDUIT (SEE CT-20 - CT-24). CONSTRUCT NEW 125mm SIDEWALK WITH BLOCKOUTS c/w PAVING STONES FOR INDICATOR SURFACE. SEE CT-20, CT-21 & CT-22 FOR SIDEWALK AND STREETSCAPING DETAILS
4. PLACE ASPHALT PAVEMENT (TYPE 1A)
5. INSTALL NEW DETECTABLE SURFACE WARNING TILES
6. CONSTRUCT NEW BARRIER CURB (150mm REVEAL, 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. CONSTRUCT MONOLITHIC CONCRETE BULLNOSE AS PER SD-227C
10. CONSTRUCT MONOLITHIC CONCRETE SPLASH STRIP AS PER SD-223A
11. ADJUST EXISTING CATCHBASIN / MANHOLE FRAME AND COVER
12. REMOVE EXISTING CURB INLET AND INSTALL CATCHPIT AND CONNECT TO EXISTING CATCHBASIN
13. REPLACE EXISTING CURB INLET AND CONNECT TO EXISTING CATCHBASIN
14. REMOVE EXISTING CURB INLET AND CATCHBASIN. INSTALL NEW CURB INLET AND CATCHBASIN (SD-024, SD-025) AND CONNECT TO EXISTING SEWER SERVICE. SHIFT CATCHBASIN TO BACK OF CURB AND ELIMINATE CURB INLET IF POSSIBLE
15. REMOVE AND REPLACE EXISTING CATCHBASIN (SD-024, SD-025), AND CONNECT TO EXISTING SEWER SERVICE. SHIFT CATCHBASIN TO BACK OF CURB
16. INSTALL CATCHPIT c/w 10m of 150mm SOLID DISTRIBUTION PIPE DRAINING INTO SILVA CELL (TYP.)
17. ADJUST EXISTING WATERMAIN VALVE BOX TO GRADE
18. ADJUST UTILITY MANHOLE FRAME, REINFORCE ISOLATION WITH 15M BARS FOR ISOLATIONS IN ROADWAYS AND 10M BARS FOR ISOLATIONS IN SIDEWALK.
19. INSTALL NEW SOD
20. PROTECT EXISTING SIGN AND BASE DURING CONSTRUCTION
21. PROTECT EXISTING TREE DURING CONSTRUCTION, CONSTRUCT OPENING IN CONCRETE SIDEWALK AND PLACE CRUSH GRANITE
22. INSTALL BIKE RACK
23. REMOVE/STOCKPILE EXISTING BIKE RACK AND REINSTALL AFTER CONSTRUCTION
24. REMOVE/STOCKPILE EXISTING BENCH AND REINSTALL AFTER CONSTRUCTION
25. INSTALL WINNIPEG TRANSIT FLAGPOLE BOLT TEMPLATE. INSTALLATION OF 5x11 BUS SHELTER AND SIGN BY OTHERS
26. STREET LIGHTING TO BE REMOVED AND REPLACED IN ACCORDANCE WITH MANITOBA HYDRO DRAWING PACKAGE 1-0407-DE-50000-0453. ALL SALVAGING OR WORK ON JOINT USE POLES MUST BE COORDINATED WITH TRAFFIC SIGNALS
27. ALL TRAFFIC SIGNALS WORK TO BE COMPLETED BY OTHERS
28. COMPLETE HYDRO EXCAVATION EXPLORATION ACROSS FULL WIDTH OF SIDEWALK TO PLANNED DEPTH OF SOIL CELL TO CONFIRM PRESENCE OF ANY UTILITIES PRIOR TO COMMENCING SOIL CELL EXCAVATION
29. REMOVAL OF EXISTING TREES (BY OTHERS). PROTECT ANY TREES NOT REMOVED DURING CONSTRUCTION. REMOVE EXISTING TREE GUARD AND TREE GRATES. RETURN MATERIALS TO CITY YARD
30. PROTECT EXISTING SOIL CELLS DURING CONSTRUCTION. CONSTRUCT THICKENED EDGE CONCRETE SIDEWALK AROUND EXISTING TREE OPENINGS AS PER SECTION AA ON CT-26
31. TRANSIT STOP TO BE DISCONTINUED AT END OF PROJECT. CONTRACTOR TO REMOVE SHELTER PAD AND DISCONNECT POWER. SHELTER AND SIGN REMOVAL BY OTHERS

**ENGINEERS GEOSCIENTISTS MANITOBA**  
Certificate of Authorization  
AECOM Canada Ltd.  
No. 4671 Date: 2023/12/15

**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.	— x —	—	PROFILE	—
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	CONCRETE	ASPHALT	—	—	SOUTH GUTTER	—
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	SURVEY BAR	—	—	NORTH GUTTER	—
300mm L.D.S.	MANHOLE	300mm L.D.S.	ELEVATION	(35.750)	—	—	N/W PROPERTY LINE	—
300mm L.D.S.	CATCH BASIN	300mm L.D.S.	TREE	—	—	—	S/E PROPERTY LINE	—
300mm L.D.S.	CATCH PIT	300mm L.D.S.	SIDEWALK RAMP	—	—	—		
300mm L.D.S.	TRAFFIC SIGNAL POLE	300mm L.D.S.	CONCRETE SIDEWALK	—	—	—		
300mm L.D.S.	STREET LIGHT	300mm L.D.S.	FENCE	—	—	—		
300mm L.D.S.	GAS	300mm L.D.S.						

**LOCATION APPROVED UNDERGROUND STRUCTURES**

SUPV. UG 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
1	ISSUED FOR ADDENDUM	2024/01/05	TLF
0	ISSUED FOR TENDER	2023/12/15	TLF

**AECOM**

DESIGNED BY: SF  
CHECKED BY: BC  
DRAWN BY: RAM  
APPROVED BY: TLF

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

RELEASED FOR CONSTRUCTION BY: DATE

DATE: 2023/06/23

ENGINEER'S SEAL

PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER

Member 23820 2024-01-10

CONSULTANT DRAWING NO. CT-14

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

DOWNTOWN PAVEMENT RENEWALS PROJECT  
2024 PAVEMENT RENEWALS: WESTBOUND BROADWAY

PLAN/PROFILE GRADING PLAN  
BROADWAY WESTBOUND  
STATION 0+455 TO STATION 0+565

CITY DRAWING NUMBER P-3573-14  
SHEET 14 OF 28