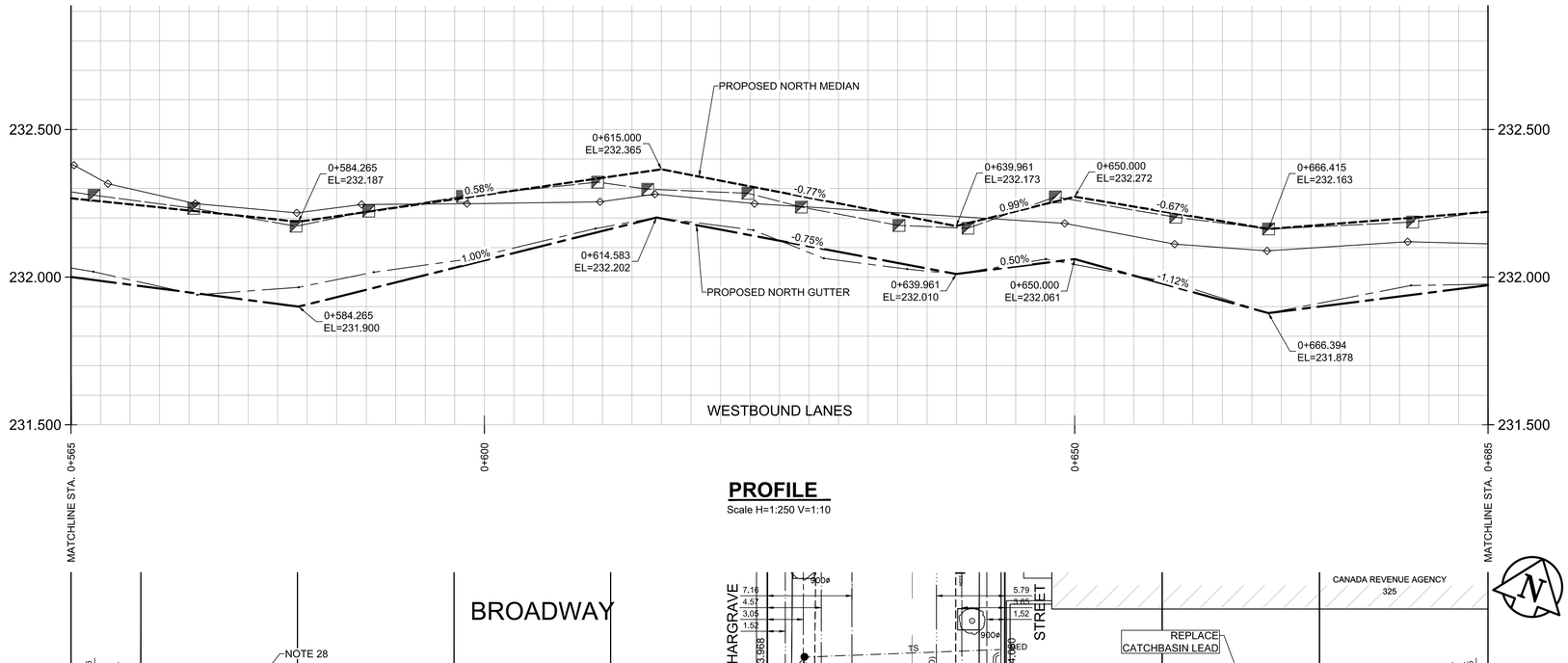
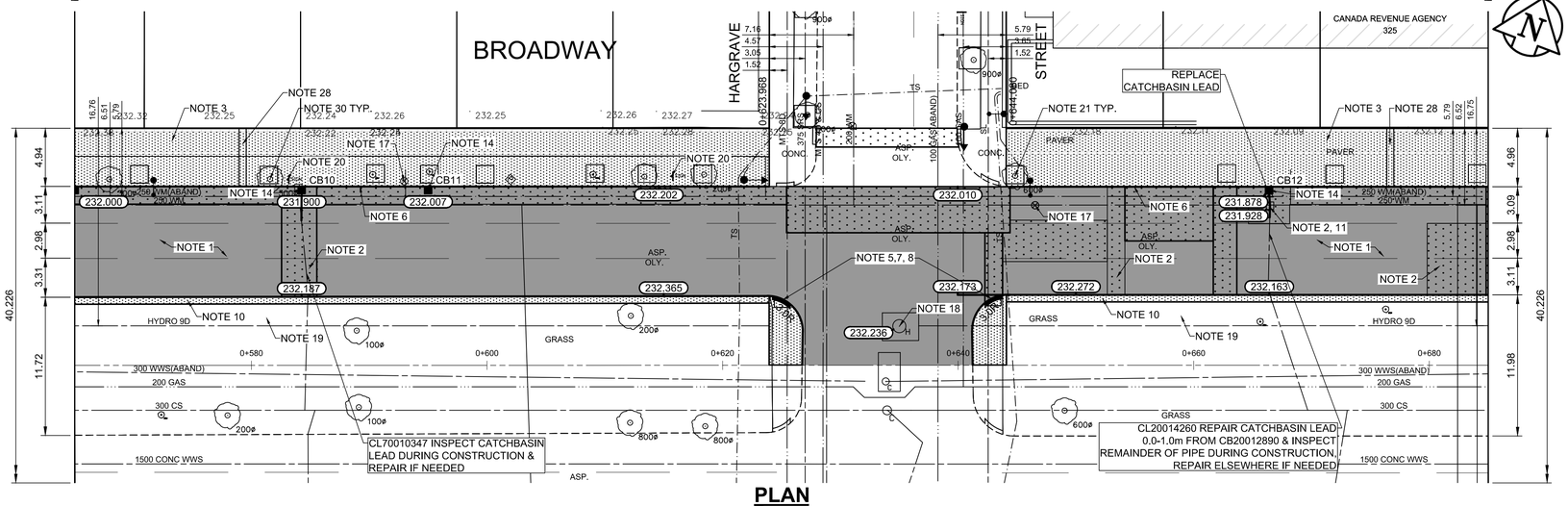


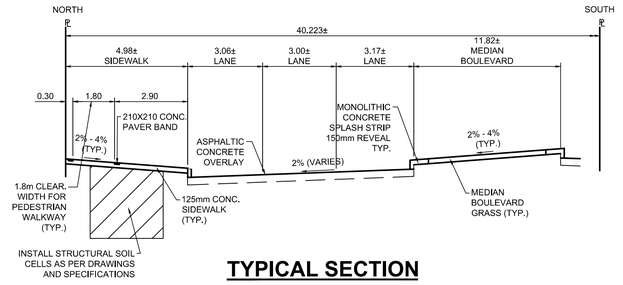
PROFILE

Scale H=1:250 V=1:10



PLAN

Scale 1:250



TYPICAL SECTION

Scale NTS

CB & CP TABLE											
ITEM	RIM ELEV.	Sta	INVERT						CONNECTION	LEAD	FLOW RESTRICTOR
			EAST	WEST	NORTH	SOUTH	V.RISER	SEWER			
CB10	231.900	0+584				230.700		227.950±	300 CS		
CB11	232.007	0+595				230.807		n/a(Soil Cell)	300 CS		
CB12	231.878	0+666				230.678		228.500±	300 CS	1.3m-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 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 DRAWINGSREQUIRE 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 CONSTRUCITON
24. REMOVE/STOCKPILE EXISTING BENCH AND REINSTALL AFTER CONSTRUCTION
25. INSTALL INFRASTRUCTURE AND CONNECTION TO POWER SOURCE FOR 8x15 HEATED BUS SHELTER. POWER SOURCE TO BE INSTALLED AS PER INCLUDED SKETCHES IN TENDER APPENDIX. BUS SHELTER INSTALLED BY OTHERS
26. STREETLIGHTING 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. PROTECT EXISTING SOIL CELLS DURING CONSTRUCTION. CONSTRUCTED THICKENED EDGE CONCRETE SIDEWALK AROUND EXISTING TREE OPENINGS AS PER SECTION AA ON CT-26
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

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			℄ PROFILE	
◇	HYDRANT	✦		M.T.S.			SOUTH GUTTER	
⊗	VALVE	⊗		CONCRETE			NORTH GUTTER	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.		ASPHALT		◇	N/W PROPERTY LINE	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.		PROPERTY LINE		⬡	S/E PROPERTY LINE	
○	MANHOLE	●		SURVEY BAR				
□	CATCH BASIN	■	235.750	ELEVATION	35.750			
▽	CATCH PIT	▼	500ø	TREE				
↕	TRAFFIC SIGNAL POLE			SIDEWALK RAMP				
↕	STREET LIGHT			CONCRETE SIDEWALK				
	GAS			FENCE				

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 ELEV. 231.963 — South East Corner of Smith Avenue & Broadway, property line, top of 1" x 1" iron bar

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 2023/06/23 — DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
T.K. FINDLAY
Member
23820
2024-01-10
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
CT-15

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DOWNTOWN PAVEMENT RENEWALS PROJECT
2024 PAVEMENT RENEWALS: WESTBOUND BROADWAY

CITY DRAWING NUMBER P-3573-15
SHEET 15 OF 28

PLAN/PROFILE GRADING PLAN
BROADWAY WESTBOUND
STATION 0+565 TO STATION 0+685