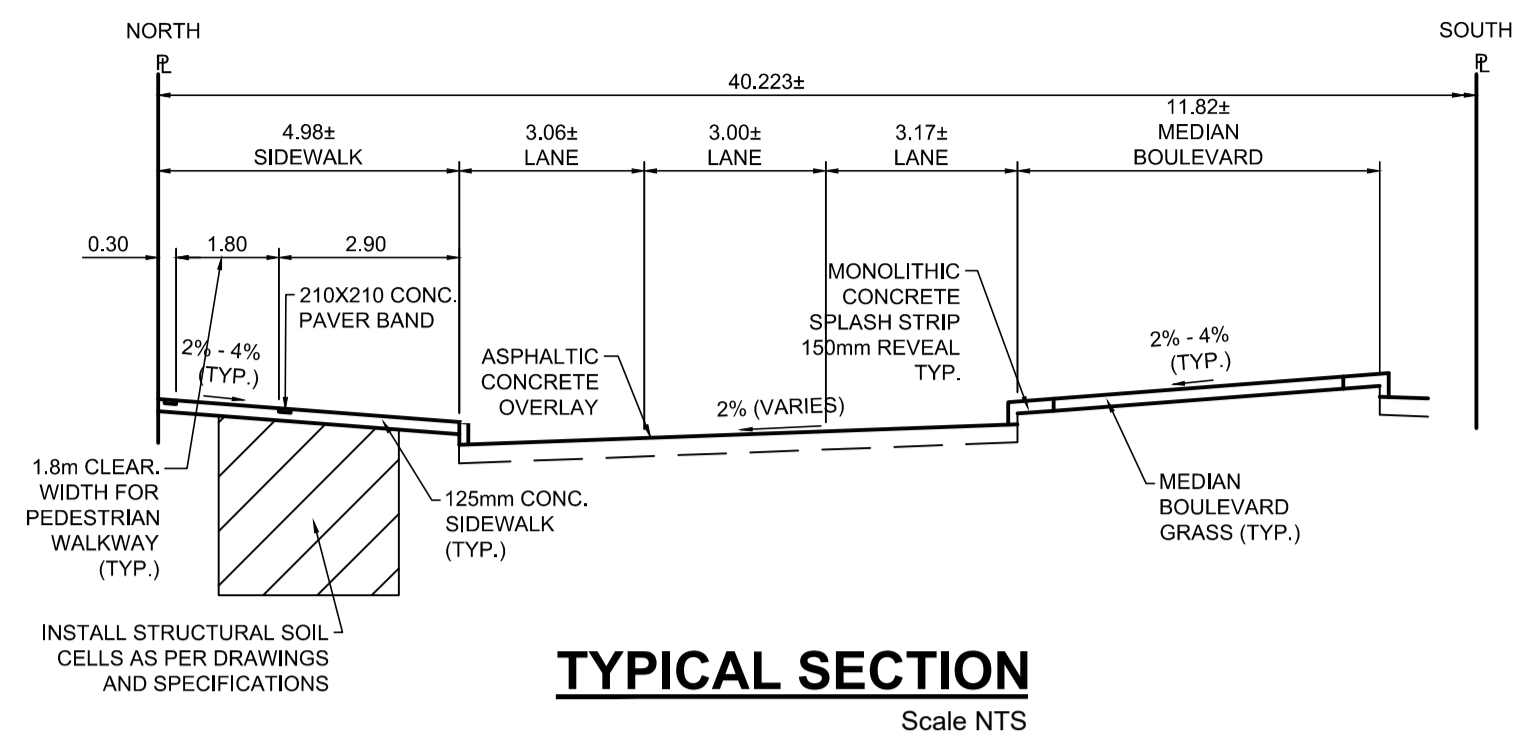


PROFILE
Scale H=1:250 V=1:10



TYPICAL SECTION
Scale NTS

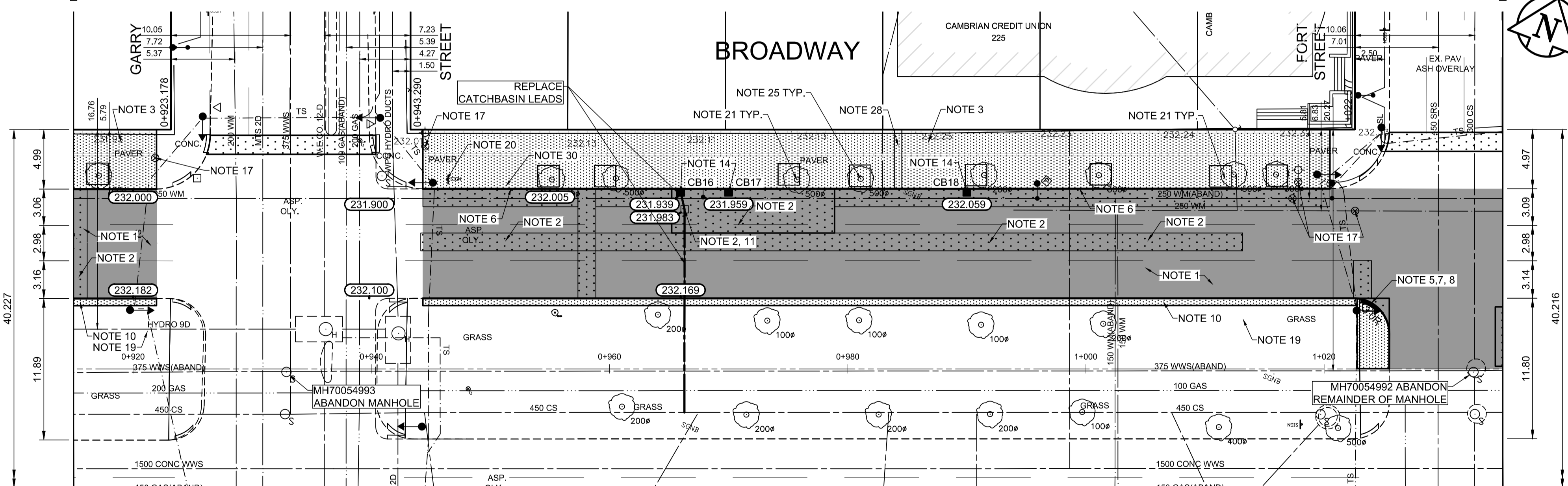
ITEM	RIM ELEV.	Sta	INVERT					CONNECTION	LEAD	FLOW RESTRICTOR
			EAST	WEST	NORTH	SOUTH	V. RISER			
CB16	231.939	0+966				230.739	UNKNOWN	450 CS	1.5m-2500 @ 2% Min	
CB17	231.959	0+970				230.759	n/a(Soil Cell)	450 CS		
CB18	232.059	0+990				230.859	n/a(Soil Cell)	450 CS		

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 NOT APPLIED
- REFER TO AECOM FIELD BOOK NO. 5062-5069, 5072
- 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). CONTRACT ADMINISTRATOR TO DETERMINE LOCATIONS FOR INSTALLATION OF PAVEMENT REPAIR FABRIC PRIOR TO ASPHALT PAVING
- REMOVE EXISTING PAVEMENT AND COMPLETE 200mm PARTIAL SLAB PATCHES AND SLAB REPLACEMENTS AS NOTED. SLAB REPLACEMENTS TO INCLUDE REINFORCEMENT
- REMOVE EXISTING CONCRETE SIDEWALK AND INSTALL STRUCTURAL SOIL CELLS c/w 2-3" 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
- PLACE ASPHALT PAVEMENT (TYPE 1A)
- INSTALL NEW DETECTABLE SURFACE WARNING TILES
- CONSTRUCT NEW BARRIER CURB (150mm REVEAL, SEPARATE)
- CONSTRUCT NEW MONOLITHIC CURB RAMP (100mm HT. INTEGRAL)
- CONSTRUCT NEW MODIFIED BARRIER CURB (180mm HT. INTEGRAL) AS PER SD-2038 AT ALL STREET/LANE INTERSECTION RADI
- CONSTRUCT MONOLITHIC CONCRETE BULLNOSE AS PER SD-227C
- CONSTRUCT MONOLITHIC CONCRETE SPLASH STRIP AS PER SD-223A
- ADJUST EXISTING CATCHBASIN / MANHOLE FRAME AND COVER
- REMOVE EXISTING CURB INLET AND INSTALL CATCHPIT AND CONNECT TO EXISTING CATCHBASIN
- REPLACE EXISTING CURB INLET AND CONNECT TO EXISTING CATCHBASIN
- 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
- REMOVE AND REPLACE EXISTING CATCHBASIN (SD-024, SD-025), AND CONNECT TO EXISTING SEWER SERVICE. SHIFT CATCHBASIN TO BACK OF CURB
- INSTALL CATCHPIT c/w 10m of 150mm SOLID DISTRIBUTION PIPE DRAINING INTO SILVA CELL (TYP.)
- ADJUST EXISTING WATERMAIN VALVE BOX TO GRADE
- ADJUST UTILITY MANHOLE FRAME, REINFORCE ISOLATION WITH 15M BARS FOR ISOLATIONS IN ROADWAYS AND 10M BARS FOR ISOLATIONS IN SIDEWALK
- INSTALL NEW SOD
- PROTECT EXISTING SIGN AND BASE DURING CONSTRUCTION
- PROTECT EXISTING TREE DURING CONSTRUCTION, CONSTRUCT OPENING IN CONCRETE SIDEWALK AND PLACE CRUSH GRANITE
- INSTALL BIKE RACK
- REMOVE/STOCKPILE EXISTING BIKE RACK AND REINSTALL AFTER CONSTRUCTION
- REMOVE/STOCKPILE EXISTING BENCH AND REINSTALL AFTER CONSTRUCTION
- 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
- 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
- ALL TRAFFIC SIGNALS WORK TO BE COMPLETED BY OTHERS
- COMPLETE HYDRO EXCAVATION ACROSS FULL WIDTH OF SIDEWALK TO PLANNED DEPTH OF SOIL CELL TO CONFIRM PRESENCE OF ANY UTILITIES
- PROTECT EXISTING SOIL CELLS DURING CONSTRUCTION. CONSTRUCT THICKENED EDGE CONCRETE SIDEWALK AROUND EXISTING TREE OPENINGS AS PER SECTION AA ON CT-26
- TRANSIT STOP TO BE DISCONTINUED AT END OF PROJECT. CONTRACTOR TO REMOVE SHELTER PAD AND DISCONNECT POWER. SHELTER AND SIGN REMOVAL BY OTHERS
- 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



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.	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					

LOCATION APPROVED UNDERGROUND STRUCTURES	SUPV. U/G STRUCTURES COMMITTEE	DATE

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: [Signature]

DATE: 2023/06/23

ENGINEER'S SEAL

PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER

Member 23820 2024-01-10

CONSULTANT DRAWING NO. CT-18

ENGINEERS GEOSCIENTISTS MANITOBA

Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: 2023/12/15

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+915 TO STATION 1+035

CITY DRAWING NUMBER P-3573-18
SHEET 18 OF 28