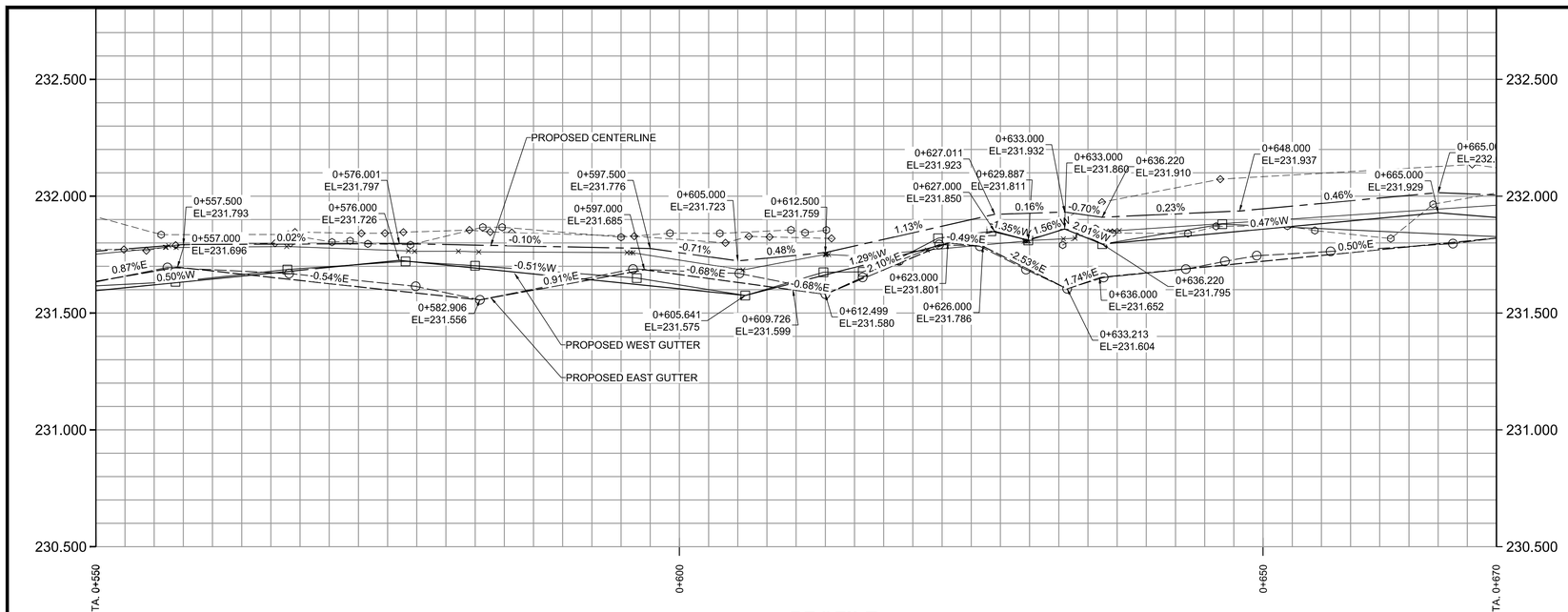
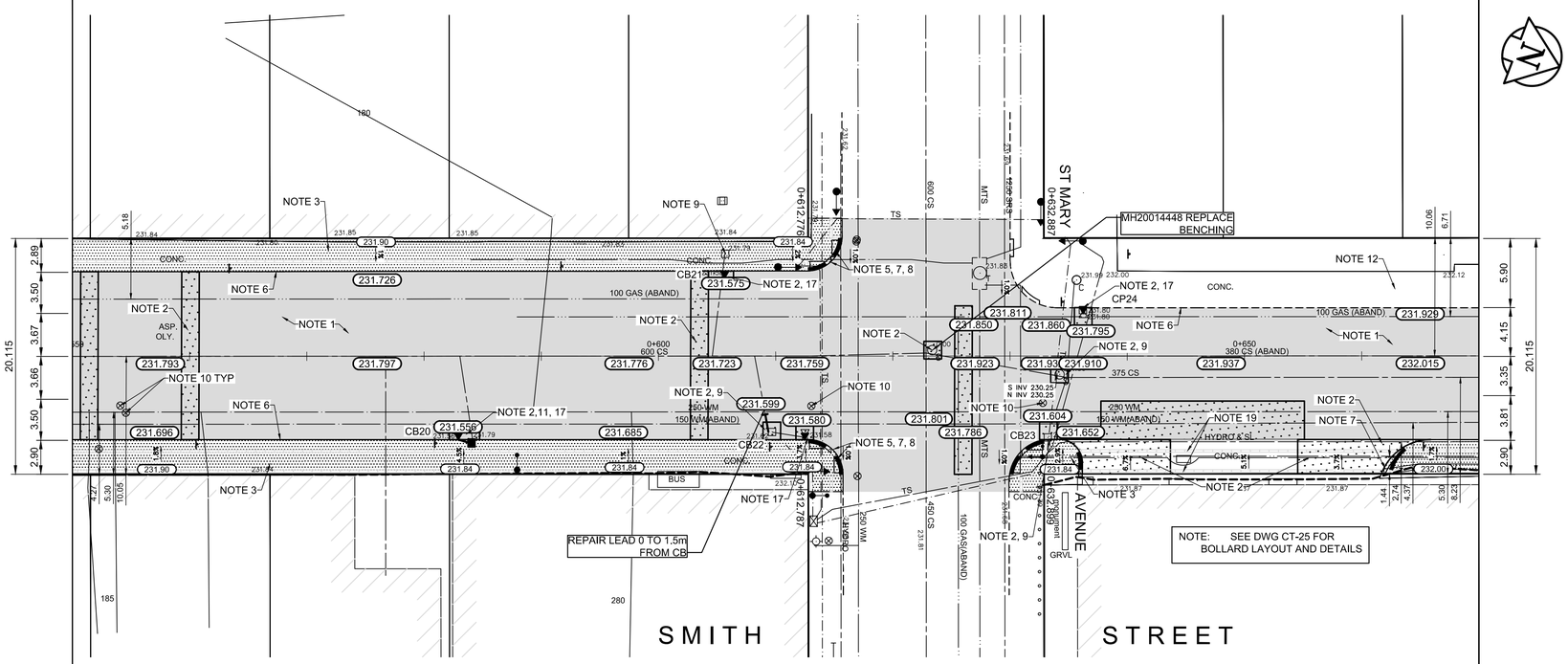


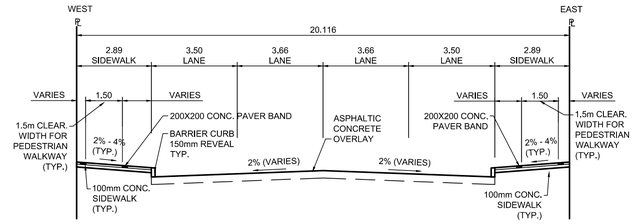
PROFILE

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			
CB20	231.556	0+582		229.990				228.84±	600 CS	1.0 m-250Ø @ 2% Min	
CP21	231.575	0+605	230.675					229.48±	600 CS	1.0 m-250Ø @ 2% Min	
CB22	231.624	0+609		229.800				229.48±	600 CS	1.5 m-250Ø @ 2% Min	
CB23	231.604	0+633		229.804				230.25±	375 CS		
CP24	231.795	0+636	230.895					230.25±	375 CS	1.0 m-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 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) CONTRACTOR ADMINISTRATOR TO DETERMINE LOCATIONS FOR INSTALLATIONS OF PAVEMENT REPAIR FABRIC PRIOR TO ASPHALT PAVING.
2. REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 230mm PLAIN DOWELLED CONCRETE PAVEMENT
3. REMOVE EXISTING CONCRETE SIDEWALK AND CONSTRUCT NEW 100mm SIDEWALK WITH BLOCKOUTS c/w PAVING STONES FOR INDICATOR SURFACE (SEE CT-26)
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. ADJUST EXISTING CATCHBASIN / MANHOLE FRAME AND COVER
10. ADJUST EXISTING WATERMAIN VALVE BOX TO GRADE
11. REMOVE AND REPLACE EXISTING CATCHBASIN (SD-024, SD-025) AND CONNECT TO EXISTING SEWER SERVICE.
12. PROTECT EXISTING SIDEWALK AND CURB DURING CONSTRUCTION.
13. REMOVE AND REPLACE EXISTING GUTTER INLET WITH BARRIER CURB AND GUTTER FRAME AND COVER (AP-008 AND AP-009).
14. ADJUST UTILITY MANHOLE FRAME, REINFORCE ISOLATION WITH 15M BARS FOR ISOLATIONS IN ROADWAYS AND 10M BARS FOR ISOLATIONS IN SIDEWALK.
15. PROTECT EXISTING TREE DURING CONSTRUCTION. CONSTRUCT OPENING IN CONCRETE SIDEWALK AND PLACE CRUSH GRANITE AROUND EXISTING TREES.
16. CONTRACT ADMINISTRATOR TO DETERMINE LOCATIONS FOR INSTALLATIONS OF PAVEMENT REPAIR FABRIC PRIOR TO ASPHALT PAVING.
17. REMOVE AND REPLACE EXISTING CURB INLET.
18. PROTECT EXISTING SIGN AND BASE DURING CONSTRUCTION
19. ACCESSIBILITY BAND TO BE MARKED ACROSS APPROACH USING MMA PAINT

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date:_____

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.			WEST GUTTER	
	VALVE			CONCRETE			EAST 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 — South East Corner of Smith Avenue & Broadway, property line, top of 1" x 1" iron bar
ELEV. 231.968

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	2021/12/20	TLF
A	ISSUED FOR REVIEW	2021/09/24	TLF

AECOM

DESIGNED BY	SF	CHECKED BY	BC
DRAWN BY	SF/PAAP	APPROVED BY	TLF
HOR. SCALE:	AS SHOWN	RELEASED FOR CONSTRUCTION BY:	
VERTICAL:			
DATE	2021/03/04	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA — Originally Signed by T.L. FINDLAY Member 23820 2021/12/20 — REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
CT-19

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DOWNTOWN PAVEMENT RENEWAL PROJECT
2022 CONSTRUCTION

CITY DRAWING NUMBER
P-3549-19

SHEET 19 OF 38

PLAN/PROFILE GRADING PLAN
SMITH STREET
STATION 0+550 TO STATION 0+670