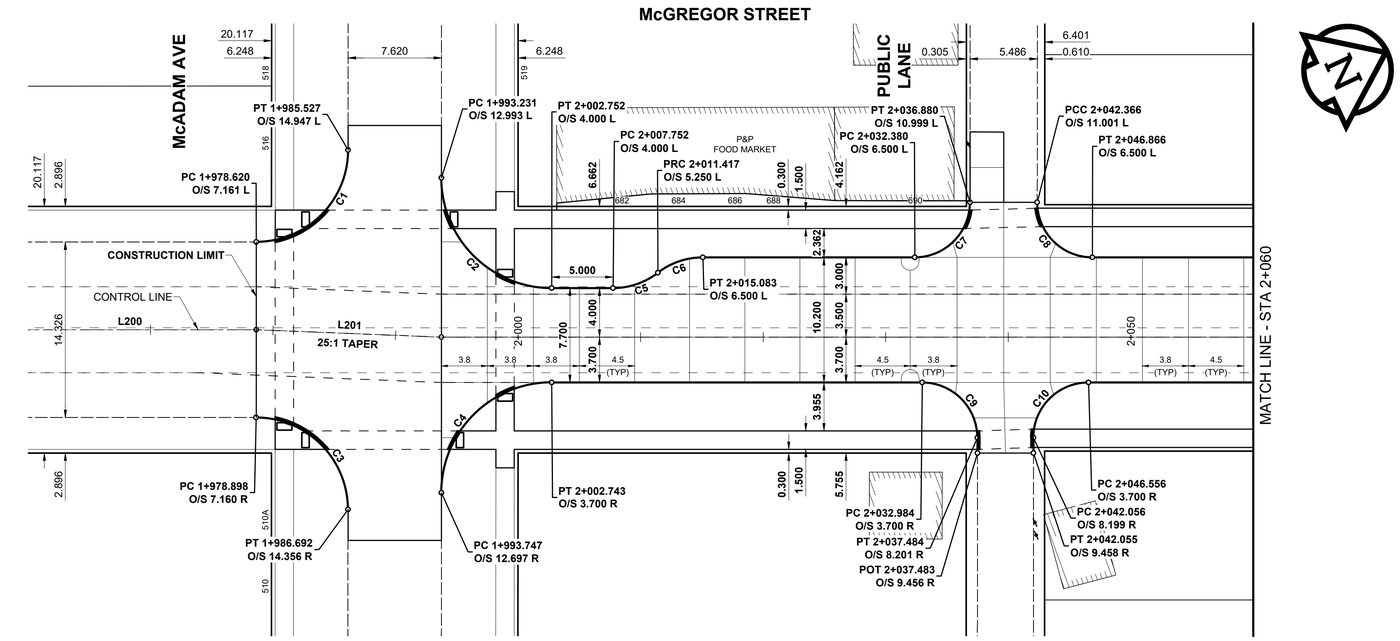

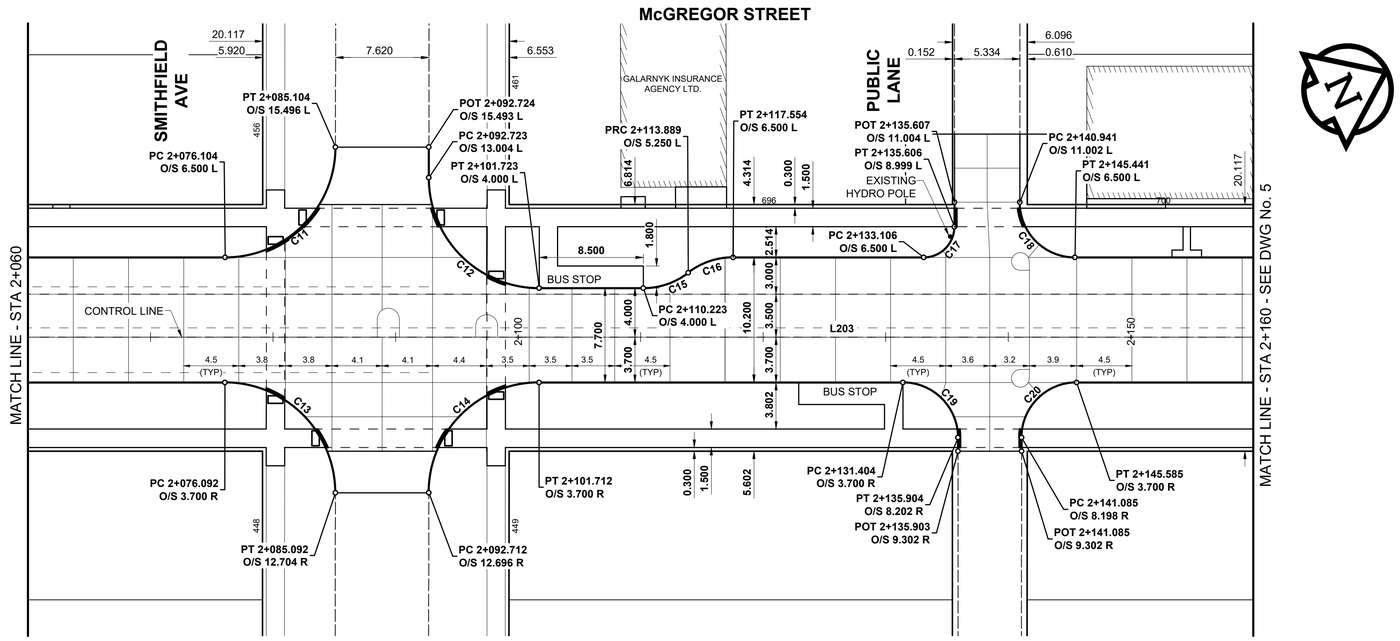

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	7.500	11.779	89°58'55"	7.498
C2	9.000	14.140	90°01'05"	9.003
C3	7.500	11.783	90°01'05"	7.502
C4	9.000	14.134	89°58'55"	8.997
C5	6.000	3.944	37°39'30"	2.046
C6	6.000	3.944	37°39'30"	2.046
C7	4.500	7.067	89°58'55"	4.499
C8	4.500	7.070	90°01'05"	4.501
C9	4.500	7.070	90°01'05"	4.501
C10	4.500	7.067	89°58'55"	4.499
C11	9.000	14.133	89°58'30"	8.996
C12	9.000	14.141	90°01'30"	9.004
C13	9.000	14.141	90°01'30"	9.004
C14	9.000	14.133	89°58'30"	8.996
C15	6.000	3.944	37°39'30"	2.046
C16	6.000	3.944	37°39'40"	2.046
C17	2.500	3.926	89°58'30"	2.499
C18	4.500	7.071	90°01'30"	4.502
C19	4.500	7.071	90°01'30"	4.502
C20	4.500	7.067	89°58'30"	4.498

PROJECT HORIZONTAL AND VERTICAL CONTROL POINTS					NAD83 DATUM	
CONTROL POINT	LOCATION	NORTHING	EASTING	ELEVATION	NORTHING	EASTING
#1	SURVEY BAR ON SOUTH PL OF ST ANTHONY AVE, 3.048 m (10') EAST OF WEST PL McGREGOR ST	10864.415	12446.456	230.864 m	5533487.208	634019.974
#2	SURVEY BAR @ S PL MOUNTAIN AVE AND W PL McGREGOR ST 3.048 m (10') OFFSET	9216.488	11675.708	231.439 m	5531839.649	633249.397
THE PROJECT DRAWINGS HAVE A SCALE FACTOR OF 1.0002234323 APPLIED TO CITY OF WINNIPEG GIS INFORMATION TO MATCH LOCAL SURVEYED PROJECT COORDINATES						

PLAN

SCALE: 1:250

0 5 10 15m

CONTROL LINE GEOMETRY											
NUMBER	LENGTH	RADIUS	DELTA	TANGENT	START STATION	NORTHING	EASTING	END STATION	NORTHING	EASTING
L200	32.591				1+946.045	10322.124	12200.689	1+978.636	10351.646	12214.496
L201	15.112				1+978.636	10351.646	12214.496	1+993.747	10365.067	12221.443
L203	370.690				1+993.747	10365.067	12221.443	2+364.437	10700.838	12378.505
L204	18.915				2+364.437	10700.838	12378.505	2+383.352	10718.278	12385.829
L202	60.044				2+383.352	10718.278	12385.829	2+443.396	10772.601	12411.407

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MORRISON HERSHFIELD
No. 1736

TENDER No. 509-2022

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. 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.

BM 25-037 ELEV 231.320 m — N.W. Cor. McGregor St. & Smithfield Ave., Tblt. in E. Conc. foundation No. 461 Smithfield Ave., 0.5 m S & 0.2 m below stucco of N.E. Cor. of Bldg.

No.	REVISIONS	YY/MM/DD	BY
C	ISSUED FOR TENDER	23/01/05	ACK
B	ISSUED FOR CLIENT REVIEW	22/07/21	ACK
A	ISSUED FOR GEOMETRY REVIEW	22/04/04	ACK

MORRISON HERSHFIELD

DESIGNED BY	ACK	CHECKED BY	GFC
DRAWN BY	KMB	APPROVED BY	RPB
HOR SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERT SCALE	N/A		
DATE	22/04/04	DATE	

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA — A.C. KAUFMANN — Member 34804 — 2023-01-05 — REGISTERED PROFESSIONAL ENGINEER

CONSULTANT FILE NAME
2102583-McGregor-HG-03.dwg

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2022-2023 REGIONAL STREET RENEWAL PROGRAM
McGREGOR STREET RECONSTRUCTION
McADAM AVE TO SEVEN OAKS AVE

CONCRETE RECONSTRUCTION
HORIZONTAL GEOMETRY
McADAM AVE TO STA 2+160

CITY DRAWING NUMBER: P-3558-4
SHEET 4 OF 13
DRAWING NUMBER: 4

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

ISO A1 - 594mm x 841mm

x:\Proj\2021\210258300-2021-2023 mcgregor mountain renewal\09. cad\07 sheets\McGregor\2102583-McGregor-HG-03.dwg Last Saved: 1/4/2023 1:48 PM by: KBerard Plotted: 1/5/2023 11:10 AM by Kevin Berard