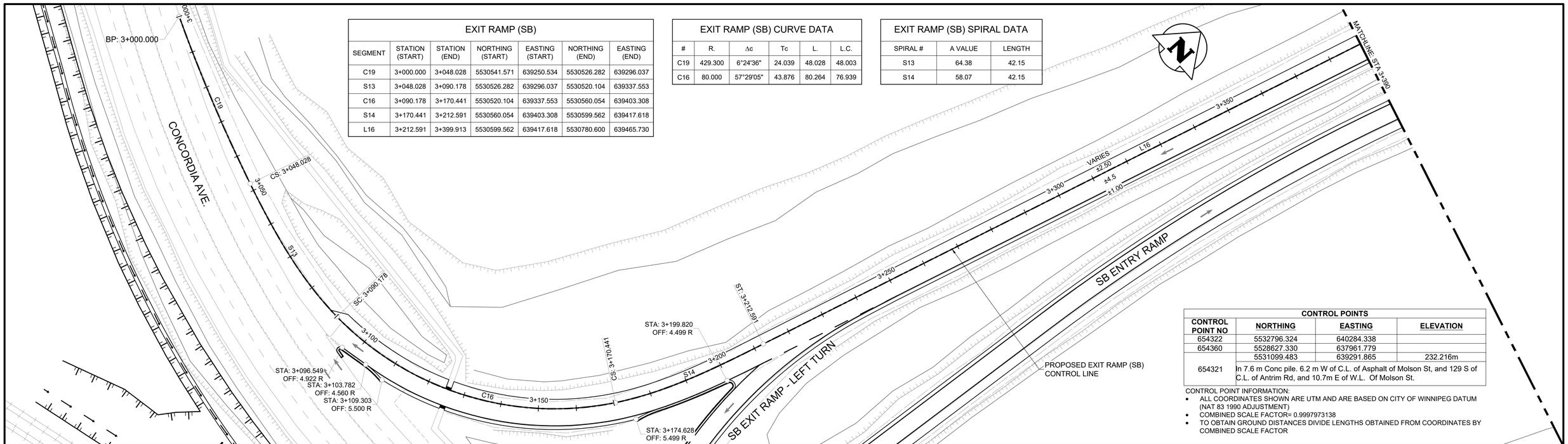
EXIT RAMP (SB)						
SEGMENT	STATION (START)	STATION (END)	NORTHING (START)	EASTING (START)	NORTHING (END)	EASTING (END)
C19	3+000.000	3+048.028	5530541.571	639250.534	5530526.282	639296.037
S13	3+048.028	3+090.178	5530526.282	639296.037	5530520.104	639337.553
C16	3+090.178	3+170.441	5530520.104	639337.553	5530560.054	639403.308
S14	3+170.441	3+212.591	5530560.054	639403.308	5530599.562	639417.618
L16	3+212.591	3+399.913	5530599.562	639417.618	5530780.600	639465.730

EXIT RAMP (SB) CURVE DATA					
#	R.	Δc	Tc	L.	L.C.
C19	429.300	6°24'36"	24.039	48.028	48.003
C16	80.000	57°29'05"	43.876	80.264	76.939

EXIT RAMP (SB) SPIRAL DATA		
SPIRAL #	A VALUE	LENGTH
S13	64.38	42.15
S14	58.07	42.15



CONTROL POINTS			
CONTROL POINT NO	NORTHING	EASTING	ELEVATION
654322	5532796.324	640284.338	
654360	5528627.330	637961.779	
654321	5531099.483	639291.865	232.216m
	In 7.6 m Conc pile. 6.2 m W of C.L. of Asphalt of Molson St, and 129 S of C.L. of Antrim Rd, and 10.7m E of W.L. Of Molson St.		

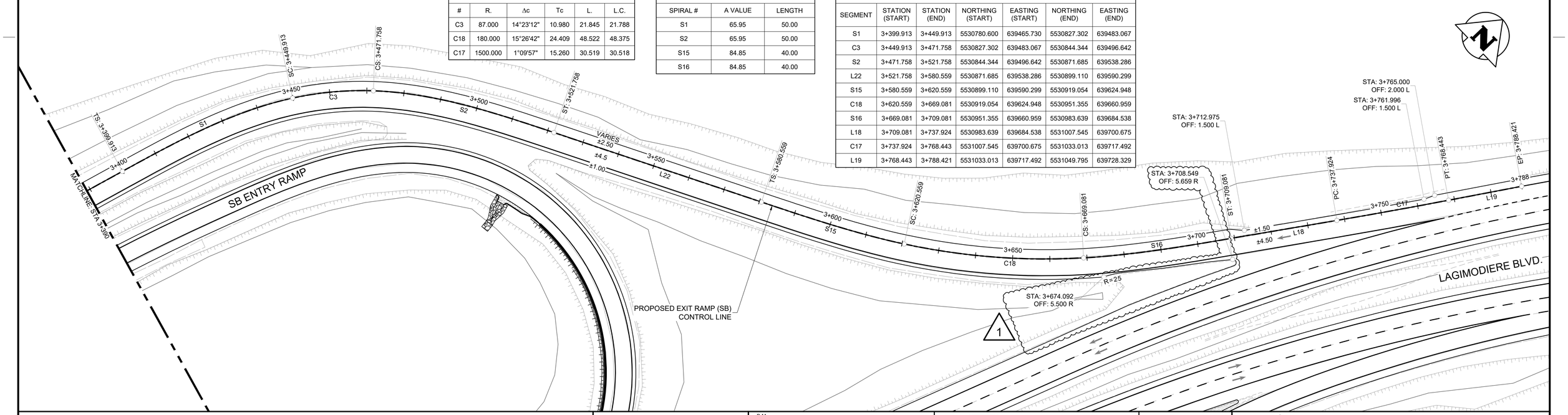
CONTROL POINT INFORMATION:

- ALL COORDINATES SHOWN ARE UTM AND ARE BASED ON CITY OF WINNIPEG DATUM (NAT 83 1990 ADJUSTMENT)
- COMBINED SCALE FACTOR= 0.9997973138
- TO OBTAIN GROUND DISTANCES DIVIDE LENGTHS OBTAINED FROM COORDINATES BY COMBINED SCALE FACTOR

EXIT RAMP (SB) CURVE DATA					
#	R.	Δc	Tc	L.	L.C.
C3	87.000	14°23'12"	10.980	21.845	21.788
C18	180.000	15°26'42"	24.409	48.522	48.375
C17	1500.000	1°09'57"	15.260	30.519	30.518

EXIT RAMP (SB) SPIRAL DATA		
SPIRAL #	A VALUE	LENGTH
S1	65.95	50.00
S2	65.95	50.00
S15	84.85	40.00
S16	84.85	40.00

EXIT RAMP (SB)						
SEGMENT	STATION (START)	STATION (END)	NORTHING (START)	EASTING (START)	NORTHING (END)	EASTING (END)
S1	3+399.913	3+449.913	5530780.600	639465.730	5530827.302	639483.067
C3	3+449.913	3+471.758	5530827.302	639483.067	5530844.344	639496.642
S2	3+471.758	3+521.758	5530844.344	639496.642	5530871.685	639538.286
L22	3+521.758	3+580.559	5530871.685	639538.286	5530899.110	639590.299
S15	3+580.559	3+620.559	5530899.110	639590.299	5530919.054	639624.948
C18	3+620.559	3+669.081	5530919.054	639624.948	5530951.355	639660.959
S16	3+669.081	3+709.081	5530951.355	639660.959	5530983.639	639684.538
L18	3+709.081	3+737.924	5530983.639	639684.538	5531007.545	639700.675
C17	3+737.924	3+768.443	5531007.545	639700.675	5531033.013	639717.492
L19	3+768.443	3+788.421	5531033.013	639717.492	5531049.795	639728.329



ENGINEERS GEOSCIENTISTS MANITOBA
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Tetra Tech Canada Inc.
No. 6499

UNDERGROUND STRUCTURES

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. ELEV.

NO.	REVISIONS	DATE	BY
1	ISSUED FOR ADDENDUM 5	25.09.22	JNC
0	ISSUED FOR TENDER	25.08.07	JNC

TETRA TECH

DESIGNED BY	EF	REVIEWED BY	JT
DRAWN BY	EF	APPROVED BY	JNC
SCALE:	1:250	ACCEPTED BY	DATE
		CAM WARD, P.ENG.	25.08.07
DATE	25.08.07		

ORIGINAL DRAWING REVISION " 0 " SEALED BY J.N. CRANG 25.08.07

CONSULTANT DRAWING NO.
734-INF.MBI03007.01-DWG-C4106

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

LAGIMODIERE TWIN OVERPASSES
OVER CPKC KEEWATIN
REHABILITATION AND RELATED WORKS

CITY DRAWING NUMBER
P123-25-4106

SHEET 6 OF 12

CONTROL LINE GEOMETRY
CONCORDIA INTERCHANGE SB EXIT RAMP

4106