

UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES

DATE

DATE

DATE

DATE

0 ISSUED FOR CONSTRUCTION

NO. REVISIONS

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST

**GUARANTEE IS GIVEN THAT ALL EXISTING** 

EXISTENCE AND EXACT LOCATION OF ALL

SERVICES MUST BE OBTAINED FROM THE

INDIVIDUAL UTILITIES BEFORE PROCEEDING

UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF

INFORMATION AVAILABLE. BUT NO

WITH CONSTRUCTION.

CONTROL POINT	LOCATION	NORTHING	<b>EASTING</b>	ELEVATION	NORTHING	EASTING	ELEVATIO
#1	IB @ PI of PL's @ NE CRN OF BUFFALO PLACE AND SERVICE ROAD	10000.010	10000.004	232.445	5521727.270	630938.952	-
#2	IB @ PI of PL's @ NE CRN OF BUFFALO PLACE AND OTTER STREET	10260.053	10468.642	232.784	5521987.246	631407.420	-

GEODETIC BENCHMARK-VERTICAL CONTROL POINTS				
GBM	LOCATION	ELEVATION		
65-006	TBLT IN S WALL OF UMA ENGINEERING LTD #1479 BUFFALO PLACE 4.1m W of SE COR OF BLDG & 0.6m BELOW BLACK BRICKWORK	233.588m		
65-008	TBLT IN 7.6 CONC PILE, 4.9m S OF CL OF PAVT OF BUFFALO PL AND & 0.6m W OF CL OF E WAVERLEY ST SERVICE RD	232.295m		

BUFFALO PLACE CENTERLINE-GEOMETRIC CONTROL POINT COORDINAT				
BUFFALO PLACE CEN	TROL POINT COORDINATES			
POINT/STATION	NORTHING	EASTING		
POT 1+000.000	10002.956	9857.352		
PC 1+082.638	9983.270	9937.611		
PT 1+157.350	9992.951	10009.953		
POT 1+698.002	10255.274	10482.701		

CIRCULAR CURVE DATA					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	
C1	74.712	100.000	42°48'25"	39.197	

DR	AWING LIST			
No.	CITY DWG No.	REV.	DESCRIPTION	
00	N/A	0	COVER SHEET AND LOCATION PLAN	
01	N/A	0	ABBREVIATIONS, KEY PLAN, DRAWING LIST, HORIZONTAL AND VERTICAL CONTROL, GEOMETRIC LAYOUT	
02	N/A	0	HORIZONTAL AND VERTICAL ALIGNMENT-WAVERLEY STREET TO STA 1+100	
03	N/A	0	HORIZONTAL AND VERTICAL ALIGNMENT-STA 1+100 TO STA 1+200	
04	N/A	0	HORIZONTAL AND VERTICAL ALIGNMENT-STA 1+200 TO STA 1+330	
05	N/A	0	HORIZONTAL AND VERTICAL ALIGNMENT-STA 1+330 TO STA 1+460	
06	N/A	0	HORIZONTAL AND VERTICAL ALIGNMENT-STA 1+460 TO STA 1+590	
07	NA	0	HORIZONTAL AND VERTICAL ALIGNMENT-STA 1+590 TO OTTER STREET	
80	NA	0	TRAFFIC STAGING, STAGES I & II	-

DRAWN

YY/MM/DD BY

HOR. SCALE

VERT. SCALE

UMA | AECOM

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DID

AS SHOWN

AS SHOWN

CHECKED

APPROVED

RELEASED FOR

L.a. Jurko

DATE APR. 29/08

JGK

BWB

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

DECIMALIZED NUMBERS INDICATE METRES

DECIMALIZED NUMBERS INDICATE METRES

DECIMALIZED NUMBERS INDICATE METRES

DIAMA Engineering Ltd. (MB)

No. 256

Date: 425/88

BID OPPORTUNITY NO. 159-2008

Certificate of Authorization

UMA Engineering Ltd. (MB)

No. 256 Date: 25/88

THE CITY OF WINNIPEG
Winnipeg PUBLIC WORKS DEPARTMENT
TRANSPORTATION ENGINEERING DIVISION

BUFFALO PLACE
WAVERLEY STREET TO OTTER STREET
STREET RECONSTRUCTION

ABBREVIATIONS, KEY PLAN, DRAWING LIST,

HORIZONTAL AND VERTICAL CONTROL,

GEOMETRIC LAYOUT

PROFESSIONAL'S SEAL

R. P.
BRUCE

CONSULTANT DRAWING NO.

0265-403-00\_01-CT1001\_RX.dwg

CITY DRAWING NUMBER N/A			
SHEET C	)F 8		
DRAWING No.	REV		
01	0		