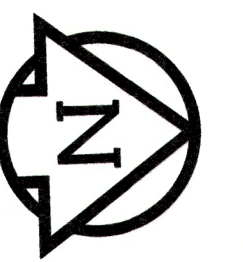


ISO A1 - 594mm x 841mm
M:\Proj\1500224\Drawings\Sheet\150022 StJames-HG-02.dwg
Last Saved: 10/31/2016 1:47 PM by D.Daszop
Plotted: 10/31/2016 1:48 PM by Daniel Daszop

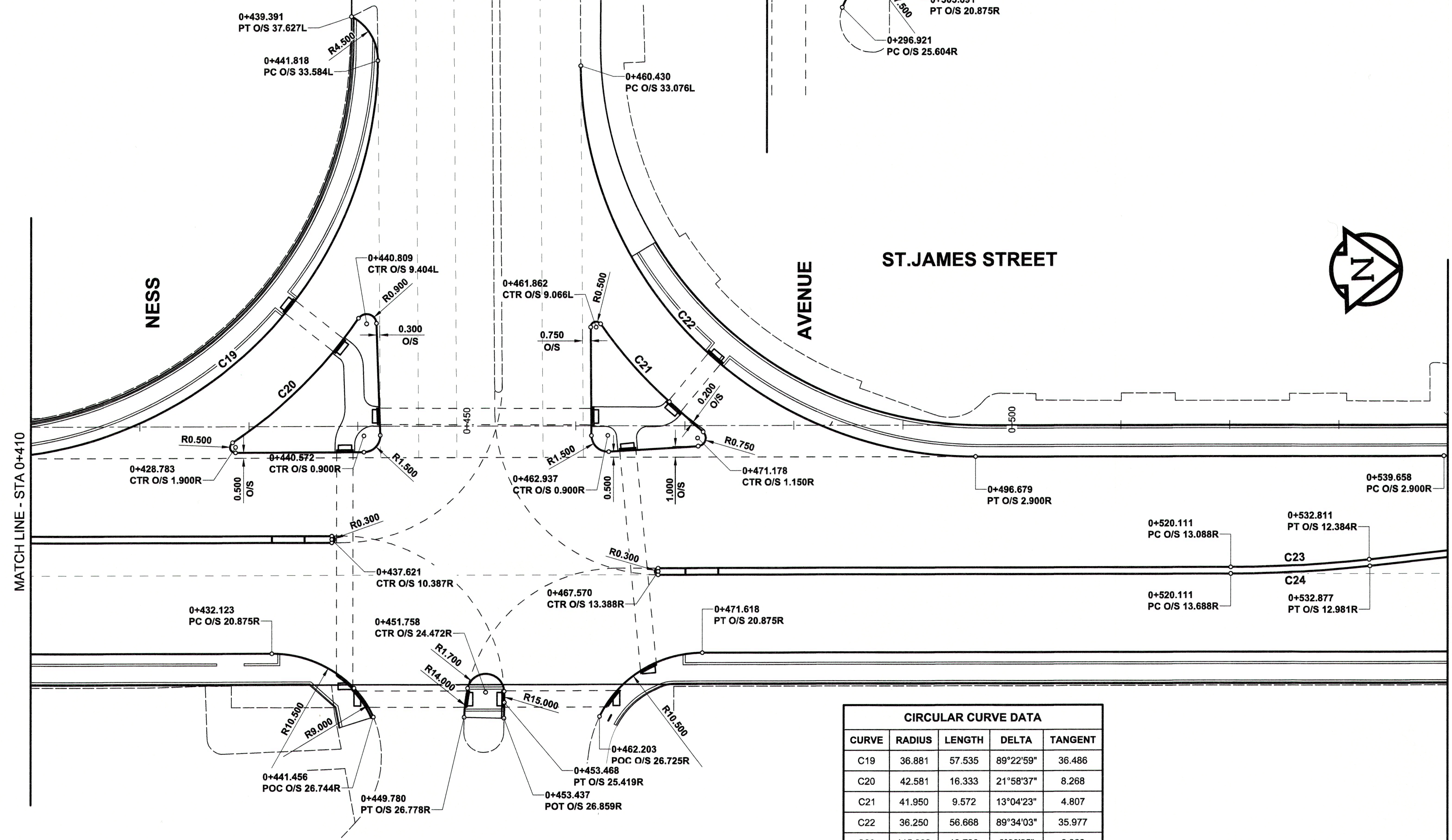
CIRCULAR CURVE DATA				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C12	45.000	11.613	14°47'12"	5.839
C13	45.600	11.768	14°47'12"	5.917
C14	45.600	11.768	14°47'12"	5.917
C15	45.000	11.613	14°47'12"	5.839
C16	12.000	7.452	35°34'50"	3.851
C17	115.000	12.726	6°20'25"	6.369
C18	115.000	12.726	6°20'25"	6.369

ST.JAMES STREET



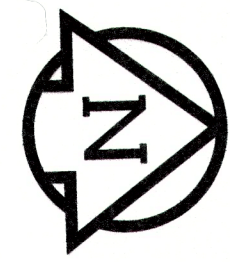
MATCH LINE - STA 0+290 DWG. No. 1

MATCH LINE - STA 0+410



CIRCULAR CURVE DATA				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C19	36.881	57.535	89°22'59"	36.486
C20	42.581	16.333	21°58'37"	8.268
C21	41.950	9.572	13°04'23"	4.807
C22	36.250	56.668	89°34'03"	35.977
C23	115.000	12.726	6°20'25"	6.369
C24	115.600	12.792	6°20'25"	6.403

MATCH LINE - STA 0+540 DWG No. 3



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW
---	GAS	---	○	MANHOLE	●	---	CONCRETE PAVEMENT	---
---	MTS / PEDESTAL	---	□	CATCH BASIN / CATCH PIT	■	---	CONC SIDEWALK / MEDIAN	---
---	HYDRO / CABINET	---	△	CURB INLET WITH BOX	▲	---	ASPHALT PAVEMENT	---
---	CATV / FIBRE OPTIC	---	○	TREE	○	---	PAVING STONE	---
---	TRAFFIC SIGNALS / PIT	---	⊙	TEST HOLE	⊙	---	GRAVEL	---
---	LAND DRAINAGE SEWER	---	⊙	PROPERTY LINE	---	---	RAMP CURB	---
---	SANITARY/COMBINED SEWER	---	+	SURVEY BAR	---	---	PLANING / REMOVAL	---
---	CB LEAD / SSP / DCP	---	---	FENCE	---	---		---
---	WATER MAIN	---	---	BOC / EDGE OF PAVEMENT	---	---		---
---	SUBDRAIN	---	33.000	ELEVATION	(33.333)	---		---
---	DITCH	---	+	TRAFFIC SIGN	---	---		---

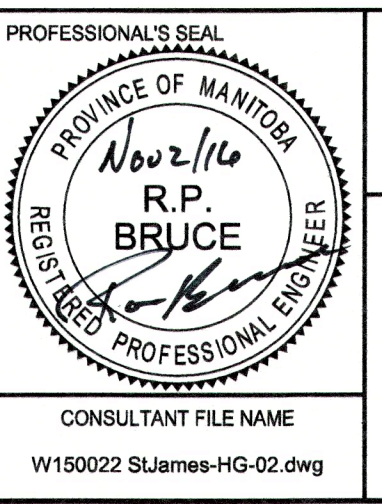
LOCATION APPROVED
UNDERGROUND STRUCTURES

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 LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

BM 38-032	ELEV 234.325 m
0	ISSUED FOR CONSTRUCTION
18/11/02	BY RPB
16/11/02	DATE

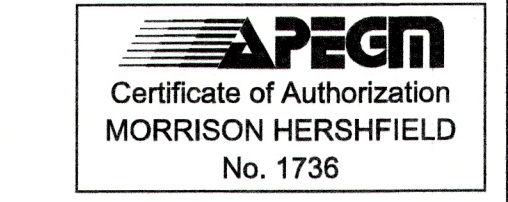
DESIGNED BY	WRJ	CHECKED BY	RPB
DRAWN BY	DID	APPROVED BY	BWB
HOR SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERT SCALE	1:10	DATE	16/11/02



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2016 REGIONAL STREET RENEWAL PROGRAM
ST.JAMES STREET
RECONSTRUCTION
PORTAGE AVENUE TO MAROONS ROAD
HORIZONTAL GEOMETRY
STA 0+290 TO STA 0+540

CITY DRAWING NUMBER: P-3475-2
SHEET 2 OF 13
DRAWING No. REV 2 0



BID OPPORTUNITY No. 19-2016