

A1 SIZE 23.4" x 33.1" (594mm x 841mm)

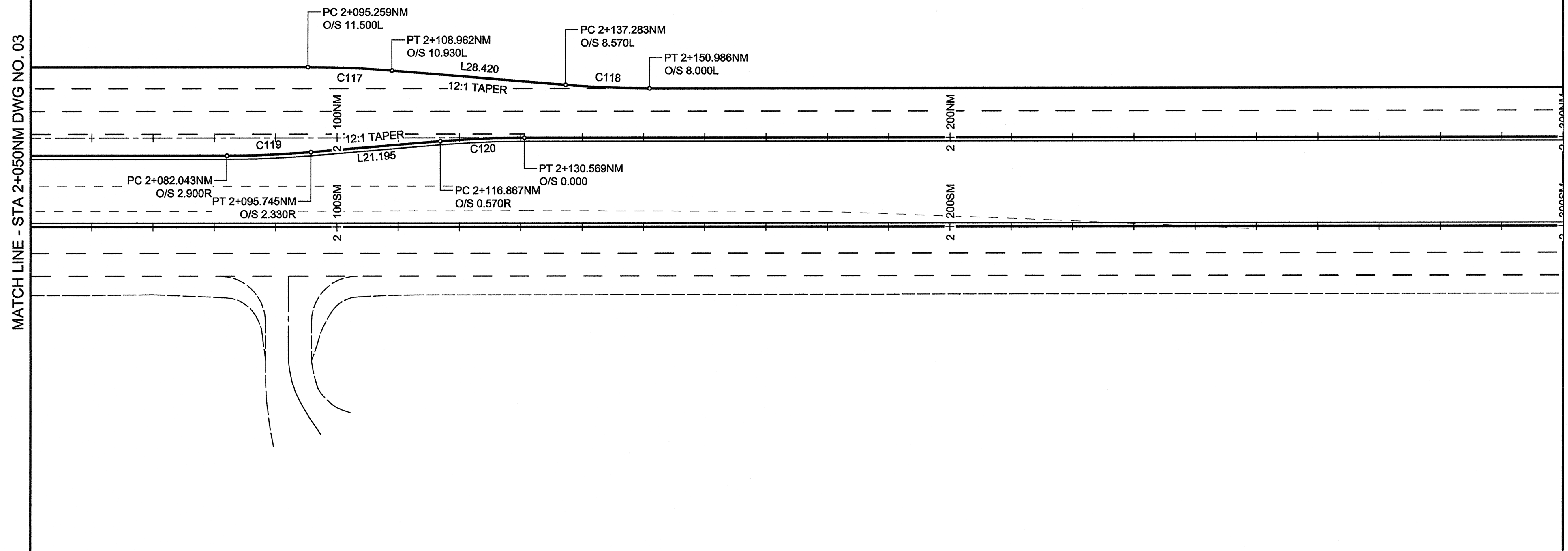
PLOT: 6/27/2008 8:35:41 AM

UMA FILE NAME: 0285-406-00_01-CT1004_RX.dwg Saved By: ddesjpcd

CIRCULAR CURVE DATA				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C117	13.718	165.000	4°45'49"	6.863
C118	13.718	165.000	4°45'49"	6.863
C119	13.718	165.000	4°45'49"	6.863
C120	13.718	165.000	4°45'49"	6.863



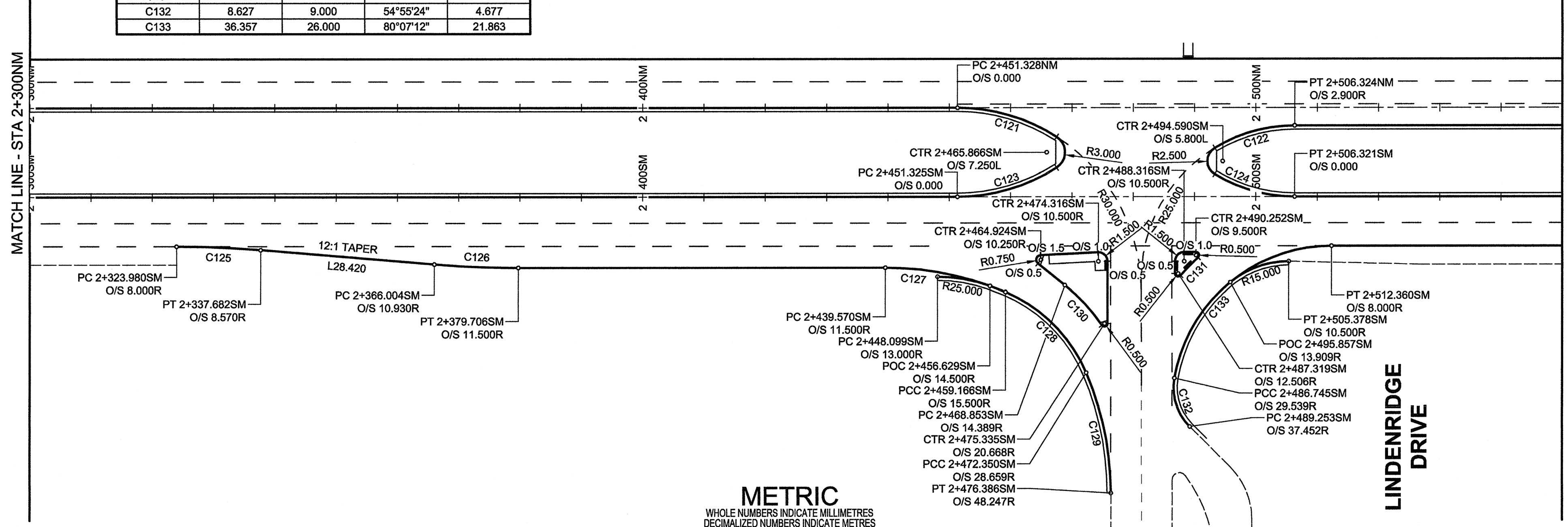
McGILLIVRAY BOULEVARD



CIRCULAR CURVE DATA				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C121	17.062	30.000	32°35'06"	8.768
C122	13.711	25.000	31°25'26"	7.033
C123	17.062	30.000	32°35'06"	8.768
C124	13.711	25.000	31°25'26"	7.033
C125	13.718	165.000	4°45'49"	6.863
C126	13.718	165.000	4°45'49"	6.863
C127	20.136	50.000	23°04'26"	10.206
C128	19.087	25.000	43°44'41"	10.036
C129	20.136	50.000	23°04'26"	10.206
C130	8.970	31.000	16°34'43"	4.517
C131	4.139	32.500	7°17'49"	2.072
C132	8.627	9.000	54°55'24"	4.677
C133	36.357	26.000	80°07'12"	21.863



McGILLIVRAY BOULEVARD



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

0 5 10 15 m H=1:500

Certificate of Authorization
UMA Engineering Ltd. (MB)
No. 256 Date: June 27, 08

BID OPPORTUNITY NO. 466-2008

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW
○	NATURAL GAS	○	MANHOLE	●	CONCRETE PAVEMENT	■	ASPHALT PAVEMENT	■
□	MTS	□	CATCH BASIN / CATCH PIT	■	CONC. SIDEWALK/MEDIAN	▲	PAVING STONE	■
△	HYDRO	△	CURB INLET WITH BOX	▲	GRAVEL	■	RAMP CURB	■
○	CATV	○	TREE	▲	PLANING/REMOVAL	■	GLASGRID PAVT REPAIR	■
○	TRAFFIC SIGNALS/PIT	○	TEST HOLE	▲	PROPERTY LINE	▲	SURVEY BAR	▲
○	LAND DRAINAGE SEWER	○	PROPERTY LINE	▲	ELEVATION	▲	TRAFFIC SIGN	▲
○	SANITARY/COMBINED SEWER	○	FENCE	▲	BOC/EOPAVT	▲		▲
○	SPP/DCP	○	BOC/EOPAVT	▲		▲		▲
○	WATERMAIN	○	ELEVATION	▲		▲		▲
○	SUBDRAIN	○	TRAFFIC SIGN	▲		▲		▲
○	DITCH	○		▲		▲		▲

LOCATION APPROVED
UNDERGROUND STRUCTURES

BM -
ELEV -

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.

NO.	ISSUED FOR CONSTRUCTION	DATE	BY
0	ISSUED FOR CONSTRUCTION	08/06/27	DID
	REVISIONS	YYMMDD	

UMA | AECOM

DESIGNED BY: WRJ
DRAWN BY: DID

CHECKED BY: JGK
APPROVED BY: BWB

HOR. SCALE: 1:500
VERT. SCALE: N/A

DATE: 08/06/27

RELEASED FOR CONSTRUCTION
DATE: 08-07-03

PROFESSIONAL'S SEAL

PROVINCE OF MANITOBA
R. P. BRUCE
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
0285-406-00_01-CT1004_RX.dwg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION ENGINEERING DIVISION

McGILLIVRAY BOULEVARD
120m WEST OF KENASTON BOULEVARD
TO WAVERLEY STREET
WIDENING AND REHABILITATION
HORIZONTAL GEOMETRY
STA 2+050NM TO STA 2+550NM

CITY DRAWING NUMBER: P-3294-04
SHEET 4 OF 44
DRAWING No. 04 REV 0