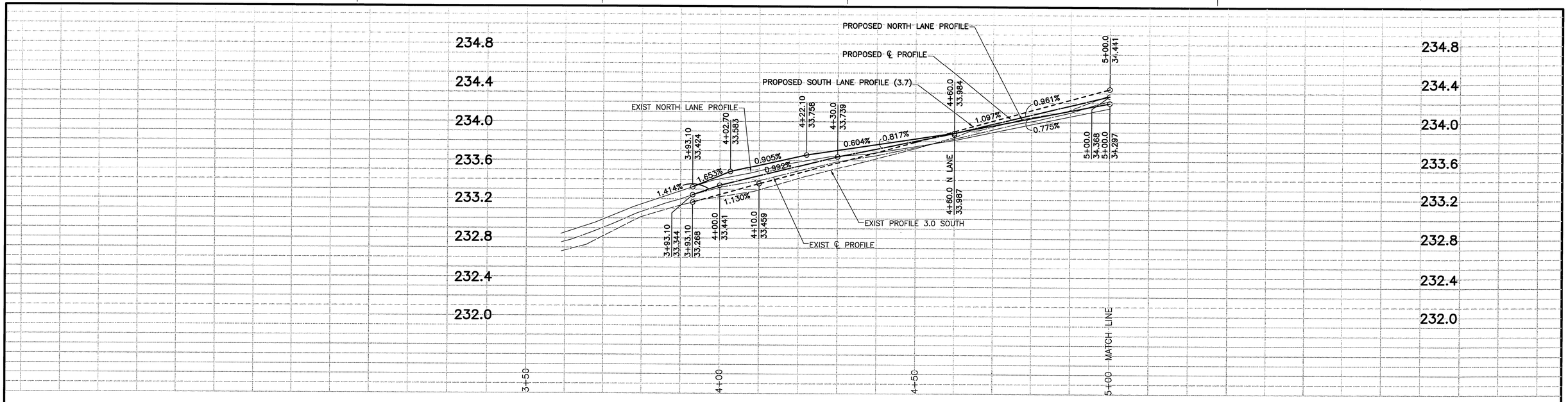
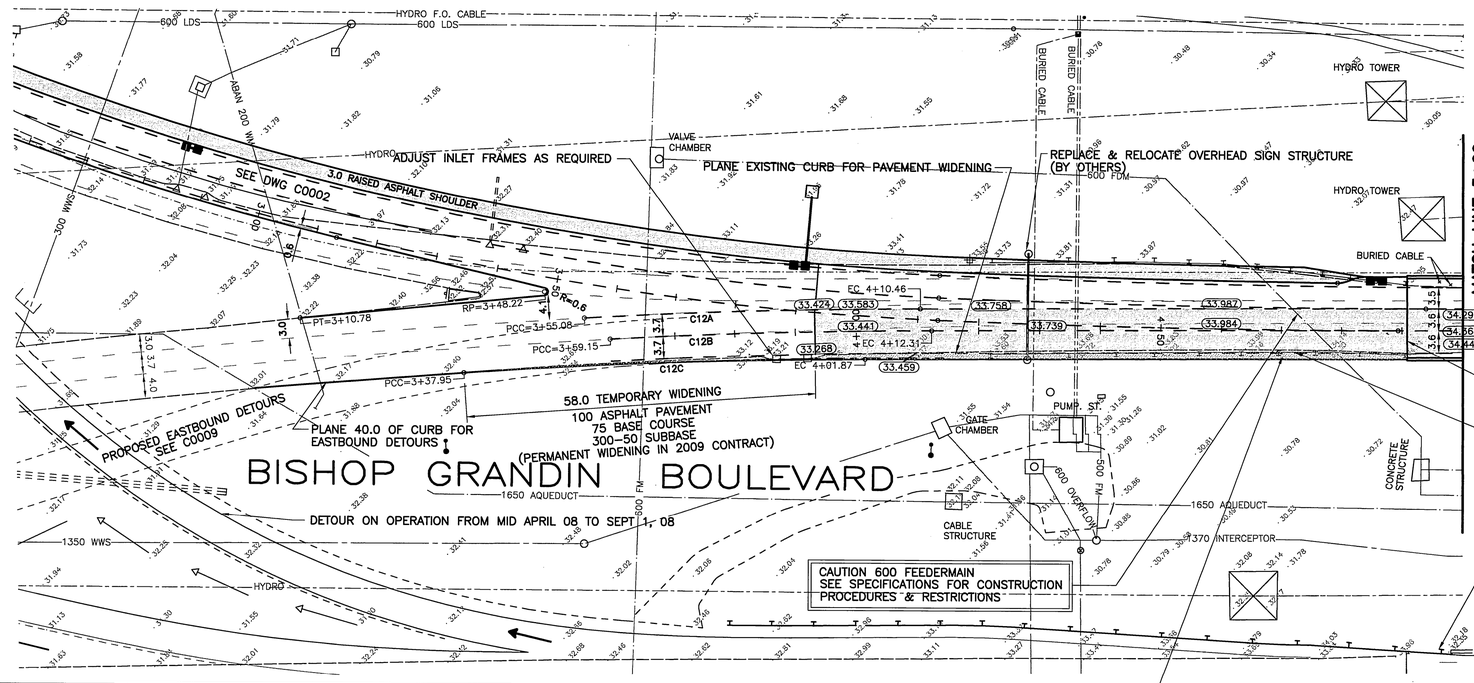




NOTE:
CONTRACTOR TO PROVIDE CITY OF WINNIPEG 48 HOURS NOTICE PRIOR TO CROSSING OR WORKING IN VICINITY OF 1650 AQUEDUCT OR 600 FEEDERMAIN.

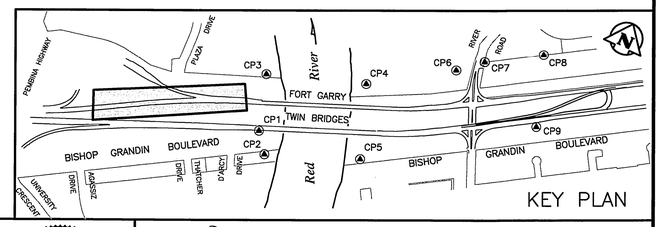
98.0 PAVEMENT WIDENING C/W ASPHALT OVERLAY
50 ASPHALT OVERLAY
230 PLAIN DOWELED CONCRETE
75 BASE COURSE
300-50 SUBBASE
COMPACTED SUBGRADE (MAINTAIN 4:1 SIDE SLOPE)

BISHOP GRANDIN WESTBOUND REHABILITATION AND WIDENING
West of Red River
Control Line = N Edge of South Westbound Lane to Waverley

Control Point	Station	Coordinate		Curve Data			
		Northing	Easting	Parameter	C12A	C12B	C12C
PT	3+10.78	297.23	2274.25	R	1007.20	1000.60	1000.00
PCC	3+37.95	283.97	2299.11	Δ	3°9'52"	3°2'5"	3°48'4"
PCC	3+59.15	289.67	2320.02	Tan	27.82	26.58	33.18
BC	4+01.87	275.39	2364.88	L	55.63	53.16	66.34
EC	4+12.31	278.31	2376.38				
PCC	3+55.08	285.54	2323.72				
EC	4+10.46	282.16	2375.13				

Coordinate Control Survey Monuments

No.	Wardrop Coordinate		NAD 83 Grid Coordinate		Description
	Northing	Easting	Northing	Easting	
CP1	200.457	2451.508	5520387.945	633474.139	GBM 76-026
CP2	143.191	2457.394	5520340.999	633507.459	BRASS CAP
CP3	324.616	2489.426	5520514.681	633446.010	BRASS CAP
CP6	289.245	2935.557	5520703.561	633851.730	BRASS CAP
CP7	300.000	3000.000	5520744.652	633902.526	IRON BAR
CP9	132.015	3114.711	5520654.917	634085.078	HCM



APEGM
Certificate of Authorization
Wardrop Engineering Inc.
No. 195 Expiry: April 30, 2008

B.M. ELEV.	F.B.

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER	08.02.04	

WARDROP | Engineering Inc.

DESIGNED BY	DAL	CHECKED BY	
DRAWN BY	GMD	APPROVED BY	
HOR. SCALE:	1 : 500	ACCEPTED BY	DATE
VERTICAL:	1 : 20		
DATE	07.09.19	RANDY FINGAS, P. ENG BRIDGES PROJECTS ENGINEER	

PROVINCE OF MANITOBA W.J. FUNK FEB 11/08 REGISTERED ENGINEER

CONSULTANT DRAWING NO.
0600070700-DWG-C1011-00

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION ENGINEERING DIVISION

FORT GARRY BRIDGE REHABILITATION

PAVEMENT RECONSTRUCTION & WIDENING
BISHOP GRANDIN BOULEVARD
WESTBOUND LANES TO WAVERLEY STREET
WEST OF RED RIVER

CITY DRAWING NUMBER
B173-08-047W
SHEET 47 OF 54
C0004