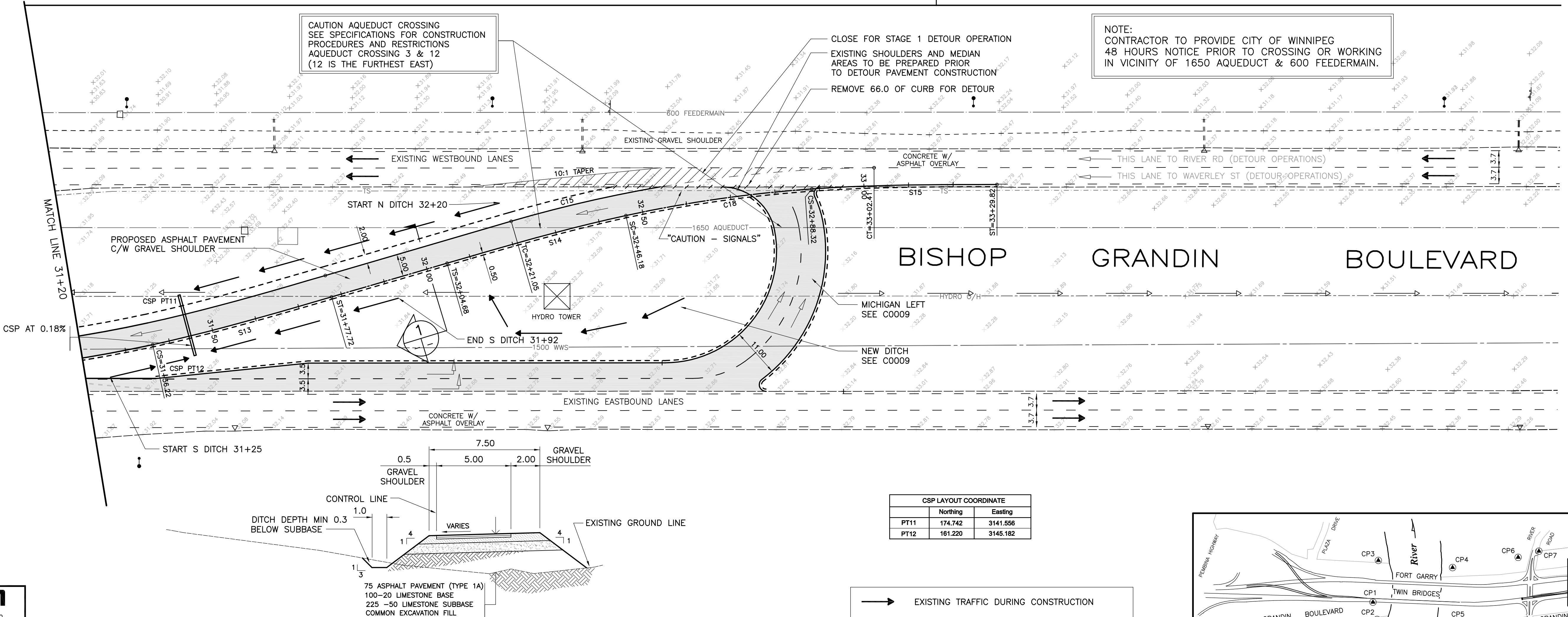


STAGE 1 PROPOSED DETOUR East of Red River Detour Road Control Line = S Edge of Lane							
Control Point	Station	Coordinate		Parameter	Curve Data		
		Northing	Easting		C18	C19	
CS	31+36.22	163.631	3135.653	R	295.00	300.00	
ST	31+77.72	174.329	3175.741	Δ	8°11'02"	15°45'10"	
SC	32+46.18	192.564	3241.720	Tan	21.10	41.50	
CS	32+88.32	198.528	3283.420	L	42.14	82.48	
ST	33+29.82	199.513	3324.876				
TC	32+21.05	181.281	3216.000	Parameter	S13	S14	S15
CT	33+02.41	203.274	3297.338	R	300.00	295.00	295.00
				L	41.50	41.50	41.50
				Theta	3°57'47"	4°01'48"	4°01'48"
				P	0.24	0.24	0.24
				K	20.75	20.75	20.75
				A	111.58	110.65	110.65

Coordinate Control Survey Monuments					
No.	Wardrop Coordinate		Nad 83 Grid Coordinate		Description
	Northing	Easting	Northing	Easting	
CP4	287.536	2722.262	5520597.040	633666.924	BRASS CAP
CP5	101.988	2689.707	5520419.522	633729.948	BRASS CAP
CP6	289.255	2935.557	5520703.667	633851.726	BRASS CAP
CP7	300.00	3000.00	5520744.652	633902.526	IRON BAR
CP8	300.00	3145.08	5520816.061	634028.767	IRON BAR
CP9	132.00	3114.69	5520654.917	634085.078	HCM

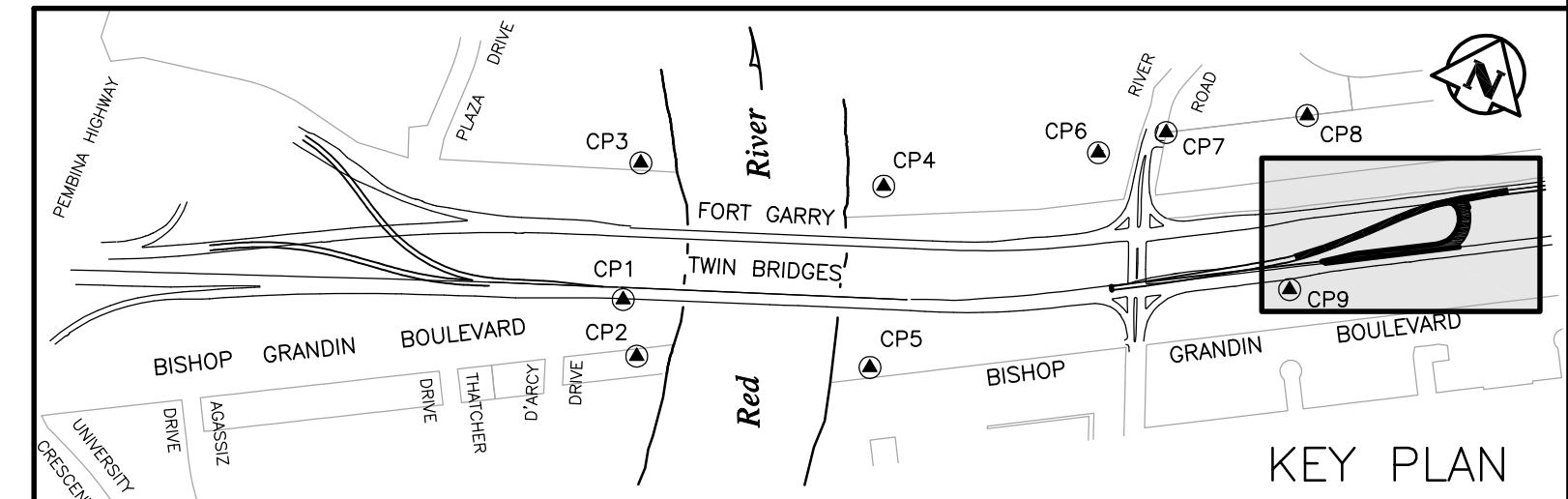
Aqueduct Crossing Obvert Elevations (Per Record Drawings)		
Location No.	Obvert Elevation	Field Confirmation Required
3	230.00	Yes
12	-	Yes

No data for point 12 is currently available. For bidding purposes treat crossing 12 as crossing 3.



1
DETOUR ROAD SECTION STA 30+70-32+50
 HOR 1:150, VER 1:50

CSP LAYOUT COORDINATE		
	Northing	Easting
PT11	174.742	3141.556
PT12	161.220	3145.182



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

150 WM	WATERMAIN	150 WM	○	MANHOLE	●	---	GAS
400 FM	FEEDERMAIN	400 FM	□	CATCHBASIN	■	---	HYDRO
300 LDS	LAND DRAINAGE SEWER	300 LDS	▽	CURB INLET	▼	---	MTS
250 WWS	WASTEWATER SEWER	250 WWS	•	HYDRO POLE	○	---	SIGNALS MANHOLE
300 CS	COMBINED SEWER	300 CS	+	LIGHT STANDARD	×	---	ELEVATION (32.000)
200 FCM	FORCEMAIN	200 FCM	←	ANCHOR	—	---	SIDEWALK
	JUNCTIONS		⊕	TREE	⊙	---	CURB
	HYDRANT		⊕	LEGAL DIMENSION	—	---	ASPHALT
	VALVE		⊕	SURVEY BAR	—	---	CONCRETE
	CURB STOP		⊕	TRAFFIC SIGNAL	—	---	MILLING/PATCHING
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN

LOCATION APPROVED UNDERGROUND STRUCTURES		SUPV. U/G STRUCTURES COMMITTEE	
NO.	REVISIONS	DATE	BY
01	ISSUED FOR ADDENDUM 2	07.08.16	WJF
00	ISSUED FOR TENDER	07.08.08	WJF

DESIGNED BY		CHECKED BY	
DRAWN BY		APPROVED BY	
DAL		WJF	
GMD		WJF	
HOR. SCALE: 1 : 500		RELEASED FOR CONSTRUCTION	
VERTICAL: 1 : 20		DATE	
DATE 07.07.06		DATE	

PRELIMINARY DRAWING
 NOT TO BE USED FOR CONSTRUCTION
 CONSULTANT DRAWING NO. 0600070700-DWG-C1006-01

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

FORT GARRY BRIDGE REHABILITATION

STAGE 1 DETOUR FOR 2008 OPERATIONS
 DETOUR LANES EAST OF RED RIVER

CITY DRAWING NUMBER
 SHEET 6 OF 9
C0006