

PROPOSED EASTBOUND DETOUR
East of Red River
Detour Road Control Line = S Edge of Lane

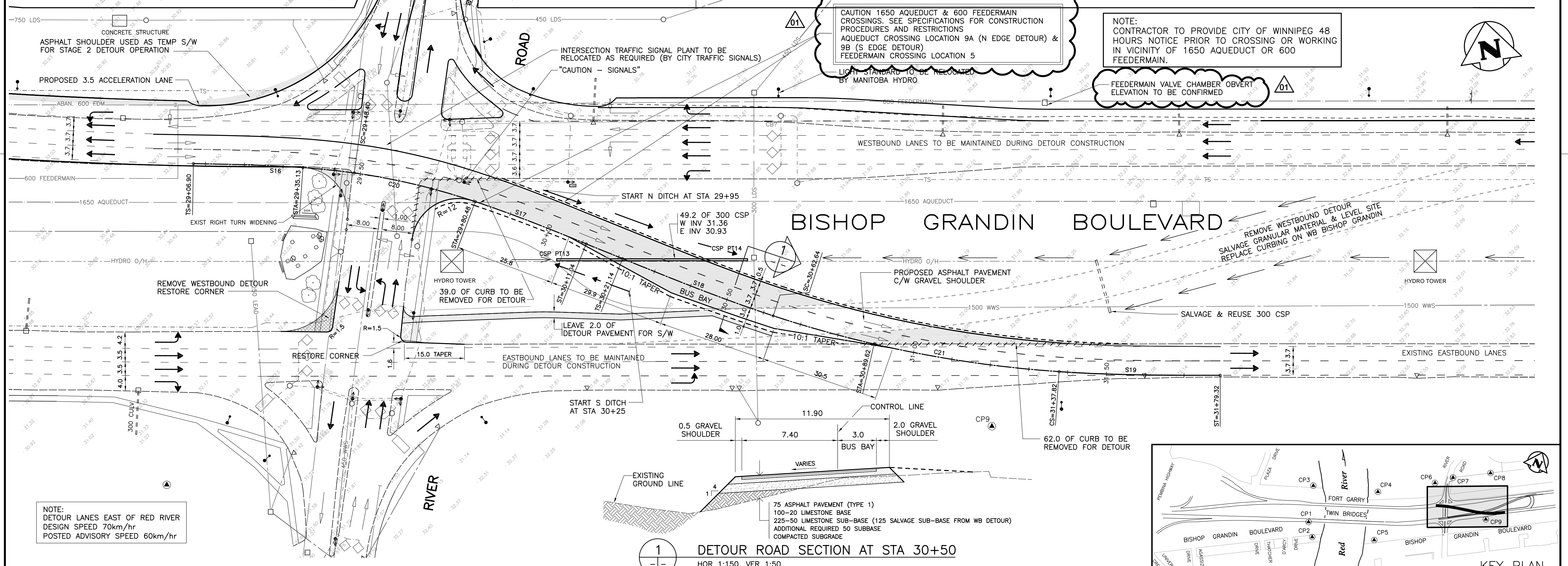
| Control Point | Station | Coordinate | | Curve Data | | |
|---------------|----------|------------|-----------|-------------|----------|-----------|
| | | Northing | Easting | Parameter | C20 | C21 |
| TS | 29+06.90 | 199.5514 | 2909.1250 | R | 170.00 | 302.40 |
| STA | 29+35.13 | 198.5319 | 2937.3299 | Δ | 7°07'35" | 14°14'39" |
| SC | 29+48.40 | 197.1475 | 2950.5272 | Tan | 10.59 | 37.78 |
| STA | 29+80.48 | 189.7589 | 2981.6963 | L | 21.14 | 75.18 |
| ST | 30+11.04 | 178.9129 | 3010.2635 | Spiral Data | | |
| TS | 30+21.14 | 175.1060 | 3019.6148 | Parameter | S16-S17 | S18-S19 |
| SC | 30+62.64 | 160.3969 | 3058.4084 | R | 170.00 | 302.40 |
| STA | 30+89.62 | 153.1422 | 3084.3872 | L | 41.50 | 41.50 |
| CS | 31+37.82 | 146.0419 | 3132.0063 | Theta | 6°59'36" | 3°55'53" |
| ST | 31+79.32 | 145.1052 | 3173.4870 | P | 0.42 | 0.24 |
| | | | | K | 20.74 | 20.75 |
| | | | | A | 83.99 | 112.02 |

Coordinate Control Survey Monuments

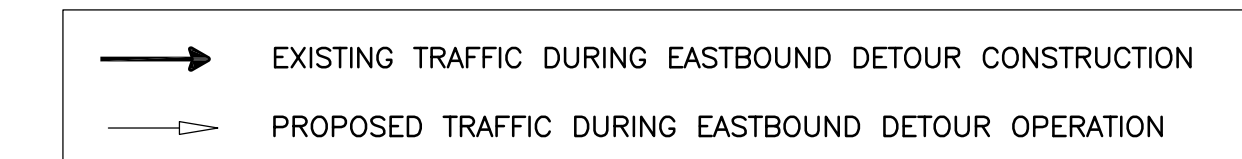
| No. | Wardrop Coordinate | | Nad 83 Grid Coordinate | | Description |
|-----|--------------------|----------|------------------------|------------|-------------|
| | Northing | Easting | Northing | Easting | |
| CP4 | 287.536 | 2722.262 | 5520597.040 | 633666.924 | BRASS CAP |
| CP5 | 101.988 | 2689.707 | 5520419.522 | 633729.948 | BRASS CAP |
| CP6 | 289.255 | 2935.557 | 5520703.567 | 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 | 5520854.917 | 634085.078 | HCM |

Aqueduct Crossing Obvert Elevations
(Per Record Drawings)

| Location No. | Obvert Elevation | Field Confirmation Required | Northing | Easting |
|--------------|------------------|-----------------------------|-------------|------------|
| 9A | 229.50 | Yes | 5520646.160 | 633952.053 |
| 9B | 229.50 | Yes | 5520639.636 | 633940.504 |



NOTE:
DETOUR LANES EAST OF RED RIVER
DESIGN SPEED 70km/hr
POSTED ADVISORY SPEED 60km/hr



CSP LAYOUT COORDINATE

| | Northing | Easting |
|------|----------|----------|
| PT13 | 174.818 | 3002.653 |
| PT14 | 174.818 | 2184.233 |

NOTE:
SEE DWG C0002 FOR PEDESTRIAN
SIDEWALK CLOSURES DURING
STAGE 2 CONSTRUCTION

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

| B.M. ELEV. | DATE | BY |
|------------|------|----|
| | | |
| | | |

WARDROP Engineering Inc.

| | |
|---------------------|---|
| DESIGNED BY: DAL | CHECKED BY: |
| DRAWN BY: GMD | APPROVED BY: |
| HOR. SCALE: 1 : 500 | ACCEPTED BY: DATE |
| VERTICAL: 1 : 20 | ORIGINAL SIGNED BY: R. FINGAS 08.02.05 |
| | RANDY FINGAS, P. ENG. BRIDGES PRODUCTS ENGINEER |

ORIGINAL DRAWING
REVISION "00" SEALED BY
W.J.FUNK
08.02.04

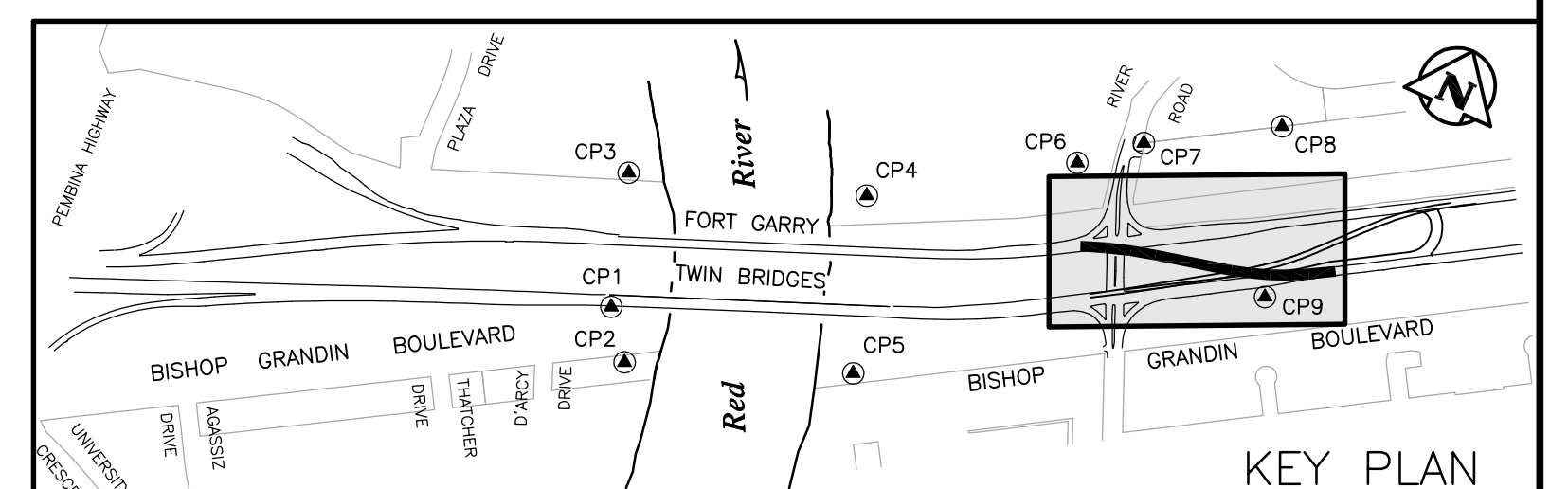
CONSULTANT DRAWING NO.
0600070700-DWG-C1018-01

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION ENGINEERING DIVISION

FORT GARRY BRIDGE REHABILITATION

EASTBOUND DETOUR LANES FOR
2009 OPERATIONS
THROUGH LANES EAST OF RED RIVER
CONSTRUCTION SEPT 1, 2008 TO NOV 1, 2008

CITY DRAWING NUMBER
B173-08-053W
SHEET 53 OF 54
C0010



1 DETOUR ROAD SECTION AT STA 30+50
HOR 1:150, VER 1:50