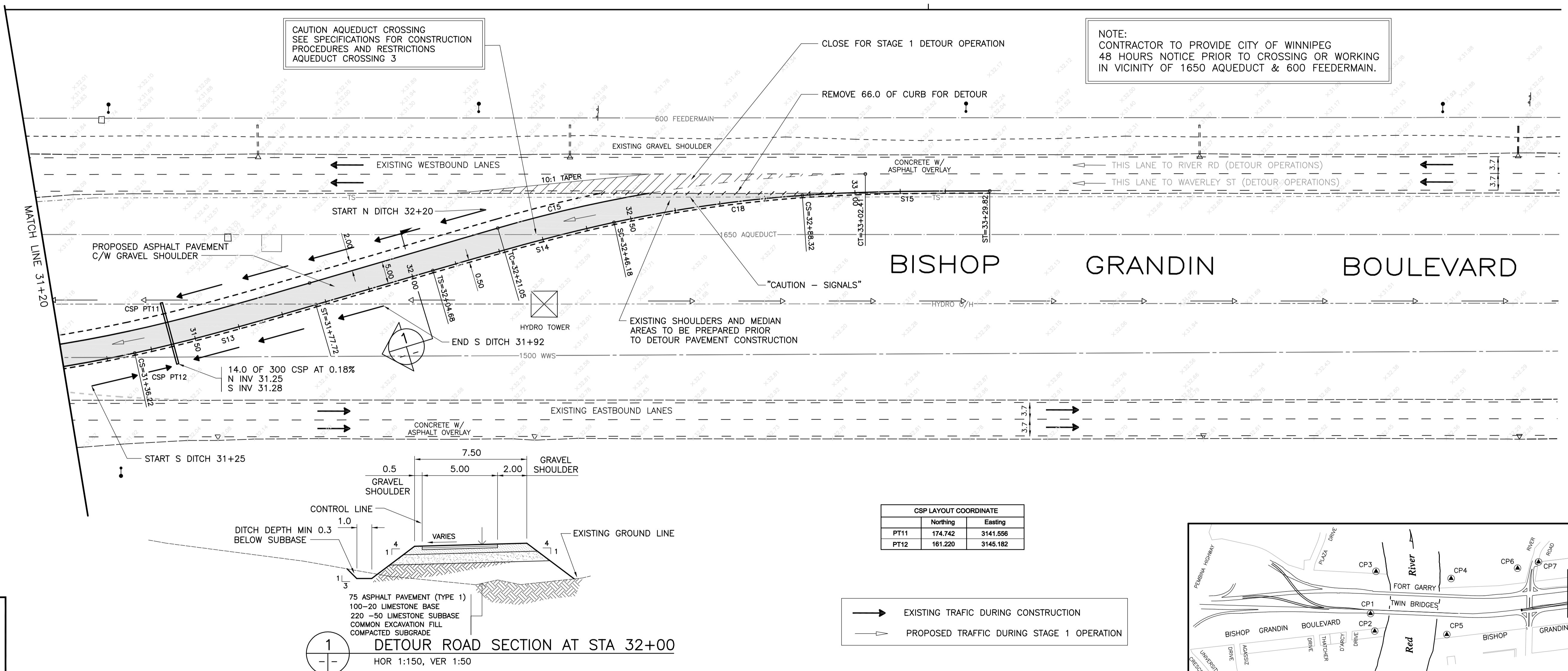


| STAGE 1 PROPOSED DETOUR<br>East of Red River<br>Detour Road Control Line = S Edge of Lane |          |            |          |             |            |           |
|---|----------|------------|----------|-------------|------------|-----------|
| Control Point   | Station  | Coordinate |          | 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 | Spiral Data |            |           |
| TC  | 32+21.05 | 191.281    | 3216.000 | Parameter   | S13        | S14       |
| CT  | 33+02.41 | 203.274    | 3297.338 | R           | 300.00     | 295.00    |
|   |          |            |          | L           | 41.50      | 41.50     |
|   |          |            |          | Theta       | 3°57'47"   | 4°01'48"  |
|   |          |            |          | P           | 0.24       | 0.24      |
|   |          |            |          | K           | 20.75      | 20.75     |
|   |          |            |          | A           | 111.58     | 110.65    |

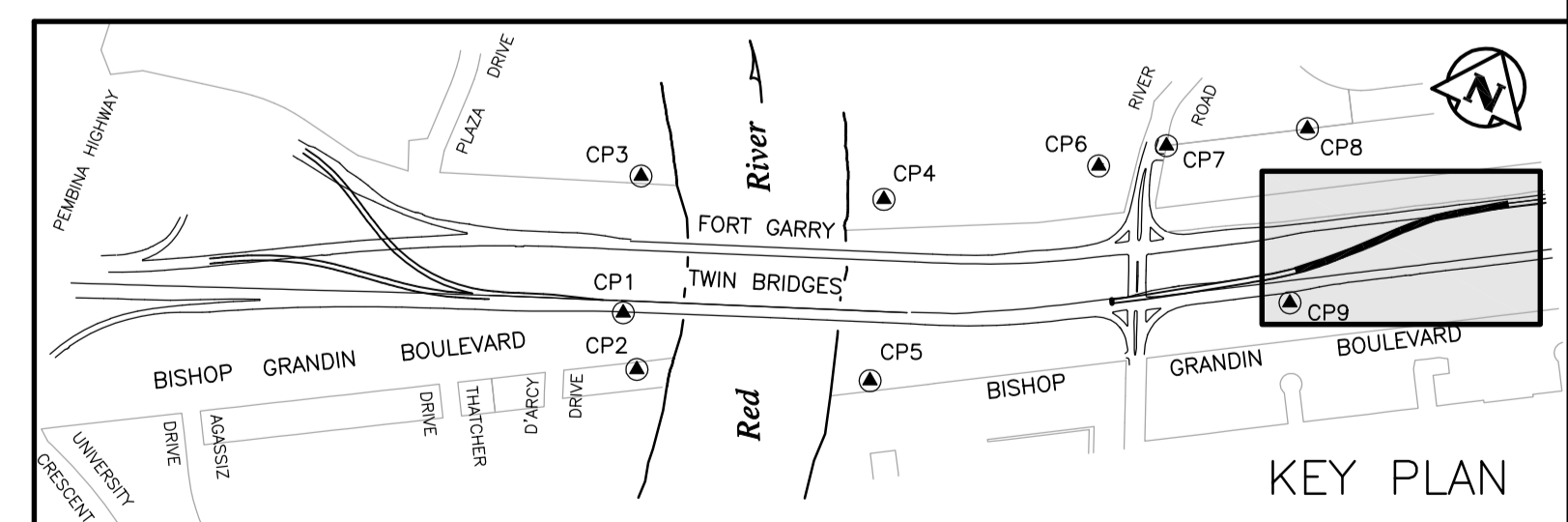
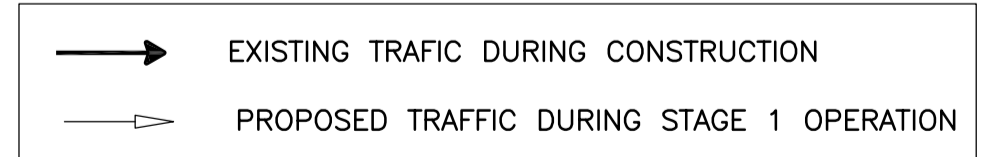
| Coordinate Control Survey Monuments |                    |          |                        |            |             |
|-------------------------------------|--------------------|----------|------------------------|------------|-------------|
| No.                                 | Wardrop Coordinate |          | Nad 83 Grid Coordinate |            | Description |
|                                     | Northing           | Easting  | Northing               | Easting    |             |
| CP4                                 | 287.536            | 2722.262 | 5520997.040            | 633698.924 | 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  | 5520654.917            | 634085.078 | HCM         |



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

**1** DETOUR ROAD SECTION AT STA 32+00  
HOR 1:150, VER 1:50

| CSP LAYOUT COORDINATE |          |          |
|-----------------------|----------|----------|
|                       | Northing | Easting  |
| PT11                  | 174.742  | 3141.556 |
| PT12                  | 161.220  | 3145.182 |



| 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  | ×31.175  | ---      | ELEVATION (32.000) |
| 200 FCM  | FORCEMAIN           | 200 FCM  | ⊕        | ANCHOR          | ---      | ---      | SIDEWALK           |
| ---      | JUNCTIONS           | ---      | ⊕        | TREE            | ---      | ---      | CURB               |
| ⊕        | HYDRANT             | ⊕        | 15.240   | 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 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.

| B.M. ELEV. | NO. | REVISIONS         | DATE     | BY  |
|------------|-----|-------------------|----------|-----|
|            | 00  | ISSUED FOR TENDER | 07.08.08 | Uga |

**WARDROP** Engineering Inc.

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

DATE: 07.07.06

**PRELIMINARY DRAWING**  
NOT TO BE USED FOR CONSTRUCTION  
CONSULTANT DRAWING NO. 0600070700-DWG-C1006-00

**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: C0006  
SHEET 6 OF 9