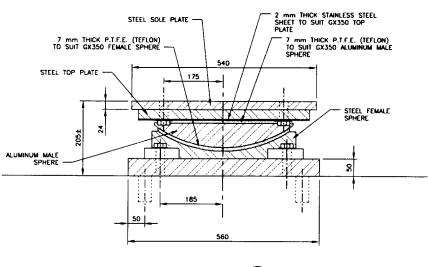
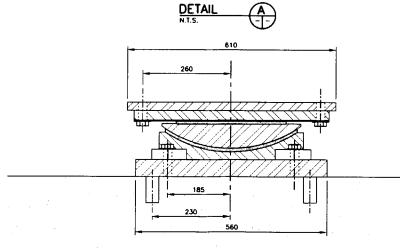


ELEVATION 2

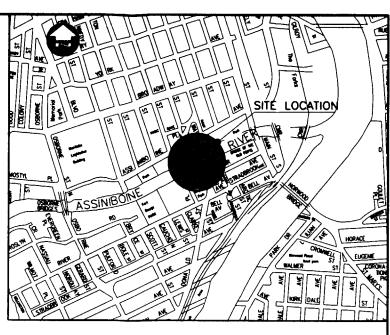
## NOTES:

- 1. TWO (2) BEARINGS TO BE REFURBISHED OR REPLACED. EXISTING BEARINGS CAPACITY ARE 3720 kM (836 KIPS). SEE TABLE BELOW FOR BEARING DATA OBTAINED FROM CITY OF WINNIPEG SUPPLIED SHOP DRAWINGS. ONLY MK10 BEARING DETAILS ARE SHOWN.
- 2. BEARING REPLACEMENT PROCEDURE:
- i) RAISE STRUCTURE WITH JACKS AT TEMPORARY JACK LOCATIONS
  JUST ENDUGH TO REMOVE EXISTING BEARINGS. DO NOT OVERLOAD ADJACENT BEARINGS.
- ii) INSTALL TEMPORARY BEARINGS (MAY BE STEEL SHIMS C/W NEOPRENE
- PAD AGAINST CONCRETE).
- iii) REMOVE JACKS. iv) REFURBISH BEARINGS
- INSTALL REFURBISHED BEARINGS OR NEW BEARINGS REVERSING ABOVE REMOVAL SEQUENCE C/W NEW HOT DIP GALVANIZED A325 BOLTS.
- vi) THE ABOVE REPLACEMENT PROCEDURE IS FOR THE MK10 BEARING ONLY. SEE THE SPECIFICATION FOR THE SUGGESTED DETAILS FOR REPLACEMENT PROCEDURE FOR THE MK8 BEARING.
- 3. TYPICAL BEARING REFURBISHMENT PROCEDURE 2 REQUIRED:
- REMOVE ALL RUST AND LOOSE GALVANIZING BY GRIT BLASTING.
- ii) REPLACE P.T.F.E SHEETS ON MALE AND FEMALE SPHERES.
- iii) POLISH ALUMINUM MALE SPHERE.
- iv) REPLACE STAINLESS STEEL PLATE C/W TIG WELD ALL AROUND.
- REFINISH ALL NON STAINLESS STEEL METAL PARTS BY
- 4. AS AN ALTERNATIVE TO REFURBISHMENT, THE CONTRACTOR MAY SUPPLY AND INSTALL A NEW BEARING. ADDITIONAL BEARING DESIGN INFORMATION WILL BE SUPPLIED TO THE CONTRACTOR IF A NEW BEARING SUPPLY OPTION IS

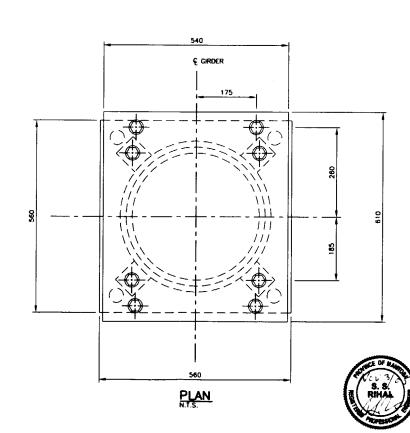




LONGITUDINAL ELEVATION



## LOCATION PLAN



## BEARING DATA

BEARING MANUFACTURER BEARING TYPE

DEAD LOAD MAX. VERTICAL LOAD MAX. ROTATION LONGITUDINAL MOVEMENT TRANSVERSE MOVEMENT LATERAL LOAD LONGITUDINAL LOAD

MK.10 ON PIER 1 GLACIER GX'C'350 - FREE (MULTIDIRECTIONAL) 2640 kN 3720 kN 0.085 RADIANS ±50 MM

±10 MM

GZ'C'350 - FIXED 3720 kN UNKNOWN N/A 240 kN 235 kN

MK.8 ON PIER 2 GLACIER

NO. REVISIONS

DESIGNED BY: R.A.W. PRAWN BY: M.R.D. CHECKED BY: R.A.W. REVIEWED BY: S.S.R. DILLON SCALE: HORZ. AS SHOWN 2 ISSUED FOR BIDDING 10/31/20 M.R.D. AJTHORIZED BY:
1 ISSUED FOR CITY REVIEW 10/27/20 M.R.D.
NO. REVISIONS DATE BY CON MORE TRANSPORTED

05-4421-100d

BID OPPORTUNITY NO. 663-2005 THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

Winnipeg 2005 BRIDGE MAINTENANCE

PLAN, ELEVATION, AND DETAILS

B114-05-01 SHEET OF 1 BEARING REFURBISHMENT

400kLON ACAD FILE: G:\CAD\054421\MIDTOWN AND FORT GARRY BRIDGES\FINAL\MIDTOWN\_FINALDING 10/31/05