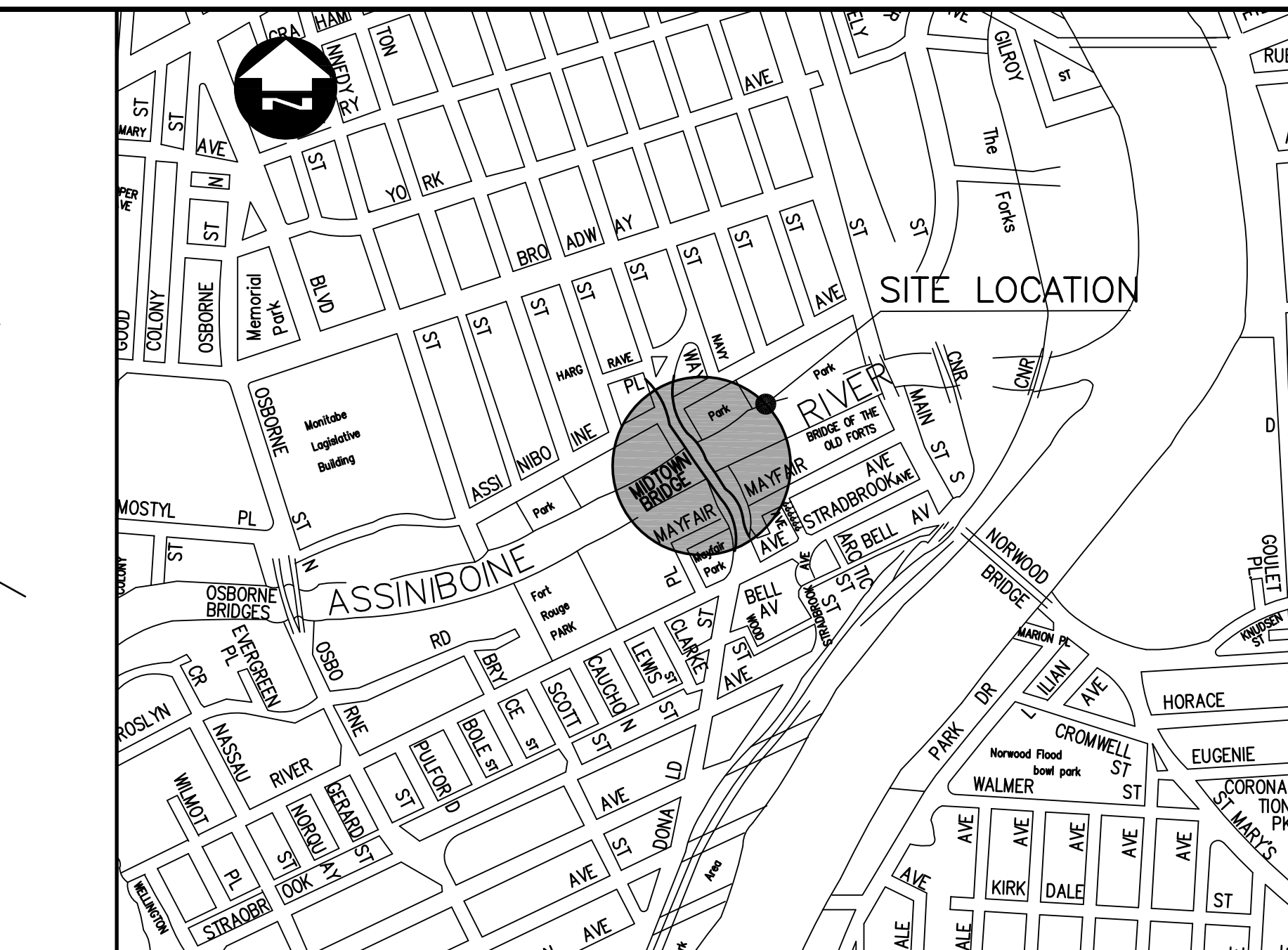


1. TWO (2) BEARINGS TO BE REFURBISHED OR REPLACED. EXISTING BEARINGS CAPACITY ARE 3720 KN (836 KIPS). SEE TABLE BELOW FOR BEARING DATA OBTAINED FROM CITY OF WINNIPEG SUPPLIED SHOP DRAWINGS.
2. BEARING REPLACEMENT PROCEDURE:
 - i) RAISE STRUCTURE WITH JACKS AT TEMPORARY JACK LOCATIONS JUST ENOUGH TO REMOVE 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
 - v) INSTALL REFURBISHED BEARINGS OR NEW BEARINGS REVERSING ABOVE REMOVAL SEQUENCE C/W NEW HOT DIP GALVANIZED A325 BOLTS.
3. TYPICAL BEARING REFURBISHMENT PROCEDURE – 2 REQUIRED:
 - i) 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.
 - v) REFINISH ALL NON STAINLESS STEEL METAL PARTS BY METALLIZING.
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 CHOSEN.

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

MK.8 ON PIER 2
 GLACIER
 GZ'C'350 - FIXED

 2640 kN
 3720 kN
 UNKNOWN
 N/A
 N/A
 240 kN
 235 kN



540

CL GIRDER

175

560

260

185

610

PLAN

N.T.S.



PROVINCE OF S. RIH REG.



 **THE CITY OF WINNIPEG**
PUBLIC WORKS DEPARTMENT

CITY DRAWING NUMBER	
B114-05-01	
SHEET	OF
1	1

PLAN, ELEVATION, AND DETAILS

S.M. ELEV.				DESIGNED BY: R.A.W.			ENGINEER'S SEAL	
				DRAWN BY: M.R.D.				
				CHECKED BY: R.A.W.				
				REVIEWED BY: S.S.R.				
				SCALE: HORZ. AS SHOWN VERT.				
				DATE: OCT 2005		DATE:		
2	ISSUED FOR BIDDING	10/31/05	M.R.D.	AUTHORIZED BY:		CONSULTANT PROJECT NO.		
1	ISSUED FOR CITY REVIEW	10/27/05	M.R.D.			05-4421-100		
NO.	REVISIONS	DATE	BY	CITY BRIDGE ENGINEER				