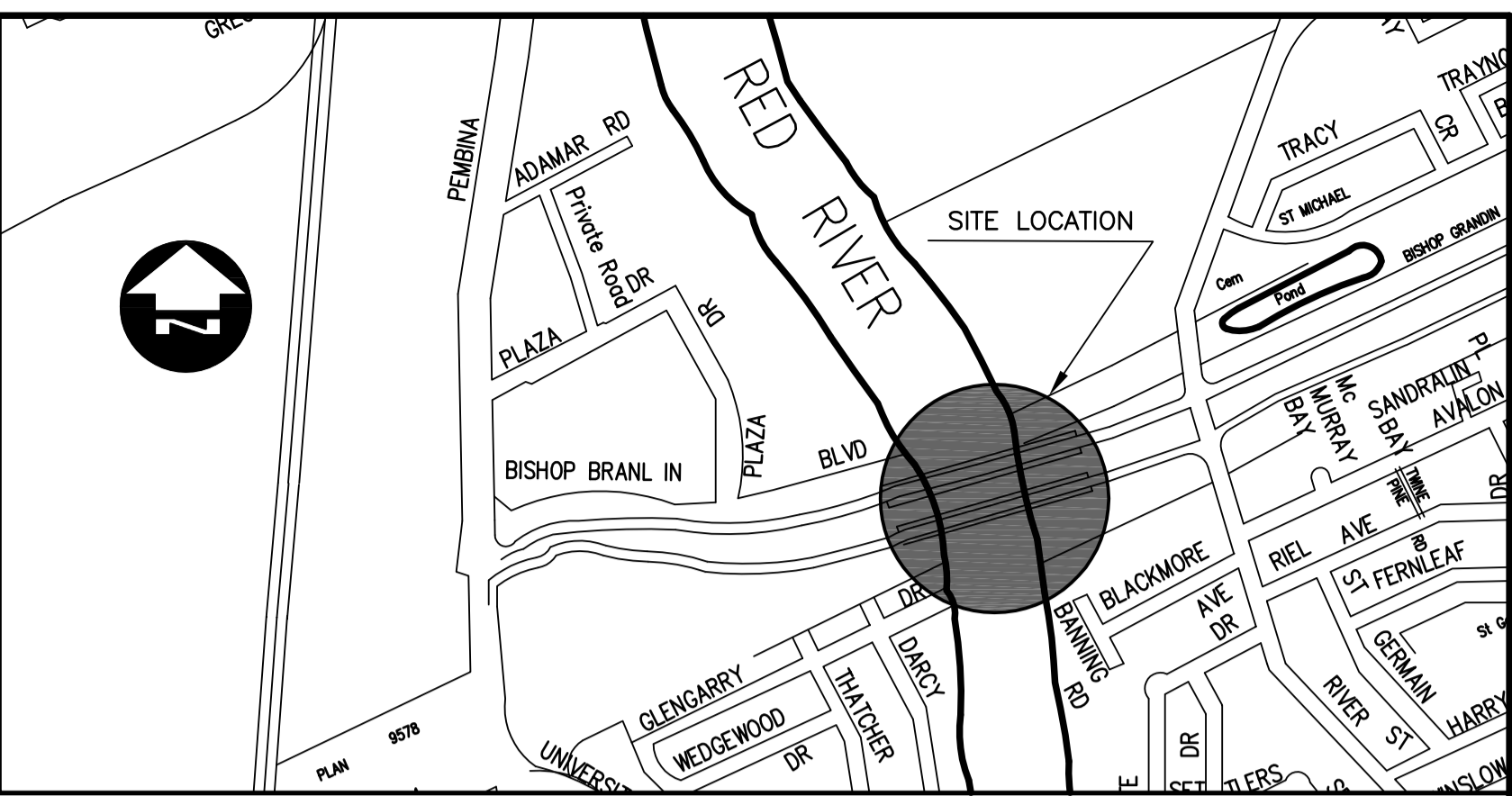


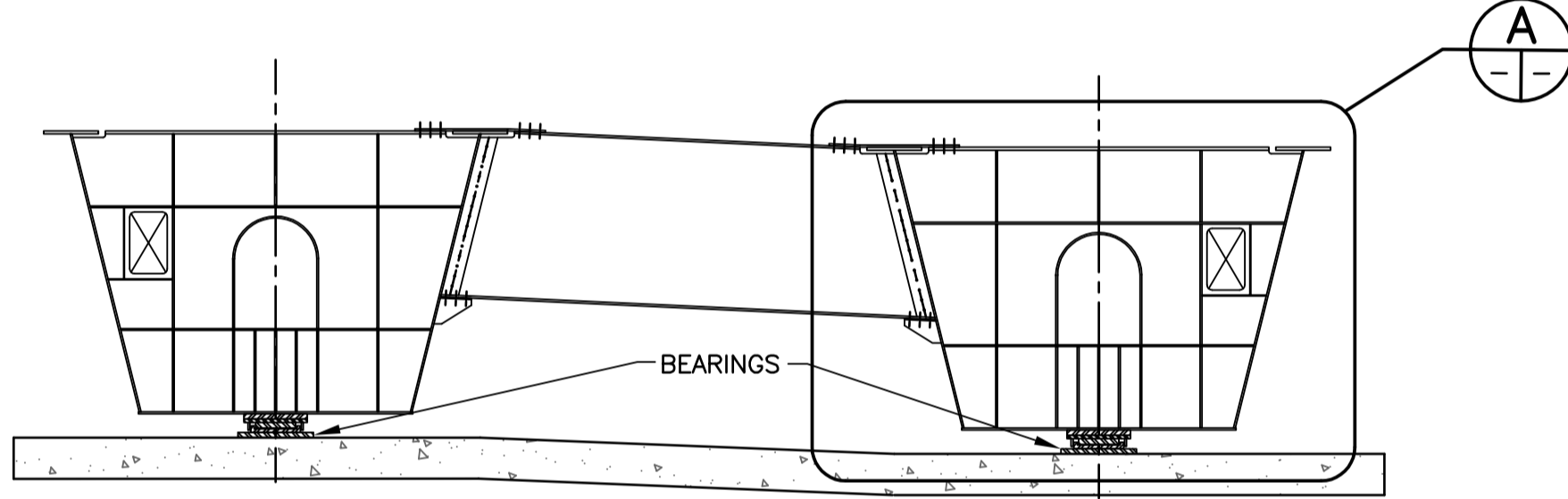
PLAN
N.T.S.



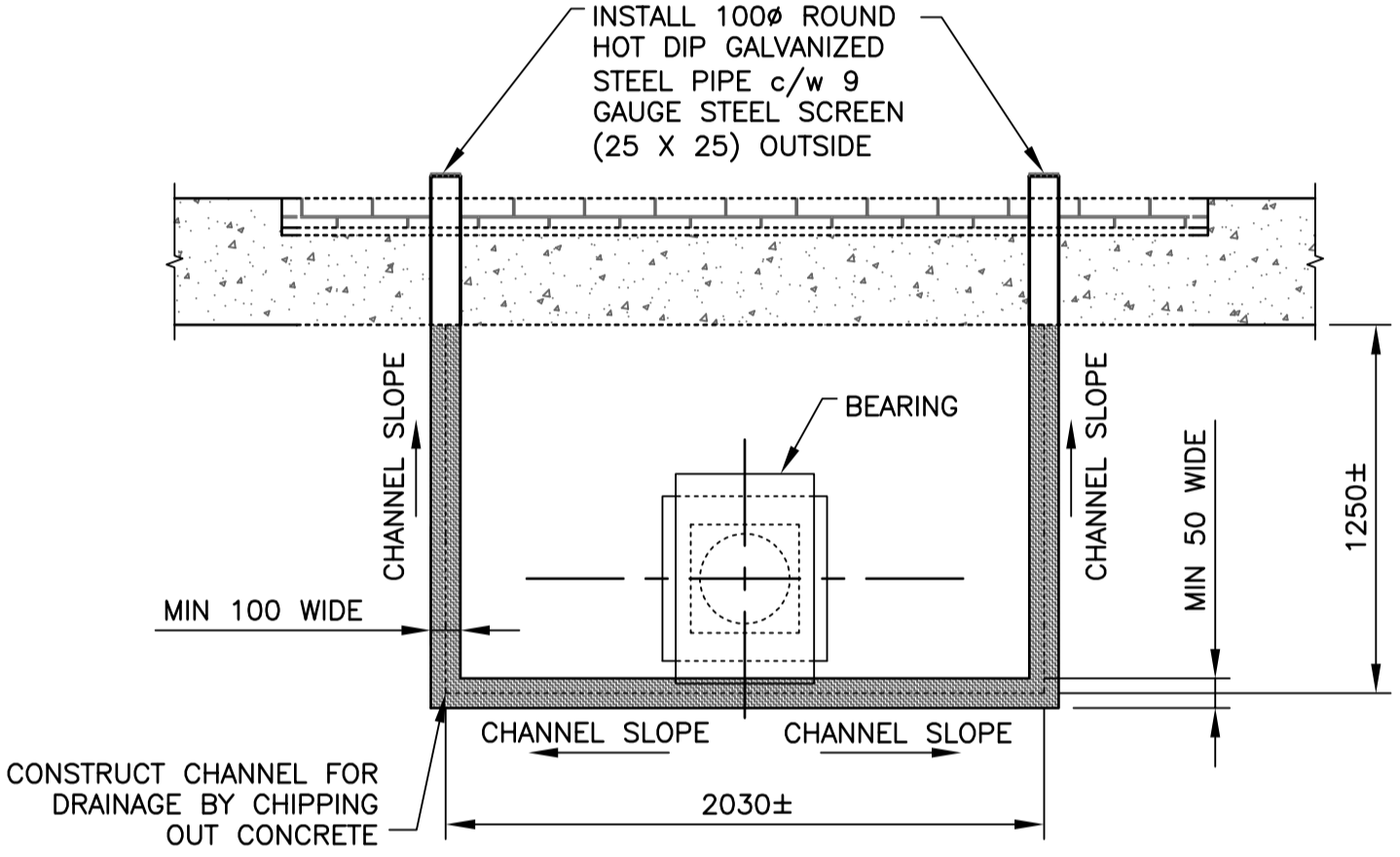
LOCATION PLAN

NOTES:

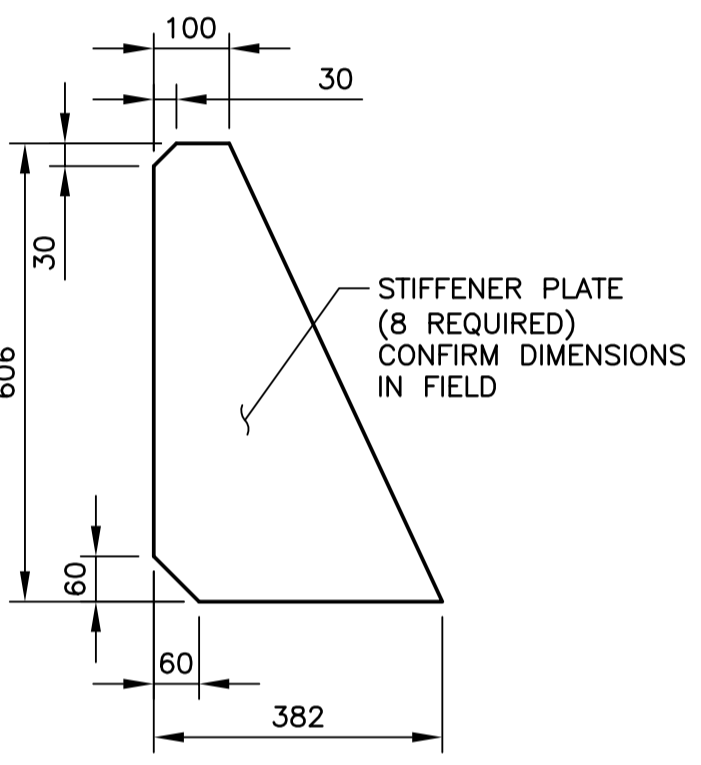
1. EXISTING BEARING CAPACITY IS 1780 KN (400 KIPS)
2. BEARING REFURBISHMENT AND DRAINAGE TRENCH WORKS REQUIRED AT 3 LOCATIONS:
 - i) EASTBOUND STRUCTURE, EAST ABUTMENT, SOUTH GIRDER.
 - ii) EASTBOUND STRUCTURE, WEST ABUTMENT, SOUTH GIRDER.
 - iii) WESTBOUND STRUCTURE, WEST ABUTMENT, NORTH GIRDER.
3. BEARING REPLACEMENT PROCEDURE:
 - i) INSTALL NEW STIFFENER PLATES.
 - ii) RAISE STRUCTURE WITH JACKS AT TEMPORARY JACKING LOCATIONS JUST ENOUGH TO REMOVE EXISTING BEARINGS.
 - iii) INSTALL TEMPORARY BEARINGS (REFER TO SPECIFICATION FOR DETAILS).
 - iv) REMOVE JACKS.
 - v) REFURBISH BEARINGS.
 - vi) INSTALL REFURBISHED BEARINGS REVERSING ABOVE REMOVAL SEQUENCE C/W NEW HOT DIP GALVANIZED A325 BOLTS.
4. TRENCH WORKS PROCEDURE:
 - i) INSTALL TRENCHES IN CONCRETE ABUTMENT FLOOR/BEARING SEAT BY COMBINATION OF SAWING, CHIPPING AND/OR GRINDING. TRENCH SHAPES OTHER THAN THAT SHOWN WILL BE CONSIDERED.
 - ii) TRENCH SIDE WALLS MAY BE LEFT ROUGH BUT INVERTS MUST DRAIN FULLY. IT IS INTENDED THAT TRENCHES NOT BE TOUCHED UP WITH GROUT AFTER BEING CUT INTO FLOOR/BEARING SEAT.
 - iii) INSTALL STEEL PIPE THROUGH ABUTMENT WALL TO DRAIN TRENCH INVERT.
 - iv) CLEAN ALL DUST AND DEBRIS FROM SITE CREATED BY CONSTRUCTION WORKS.



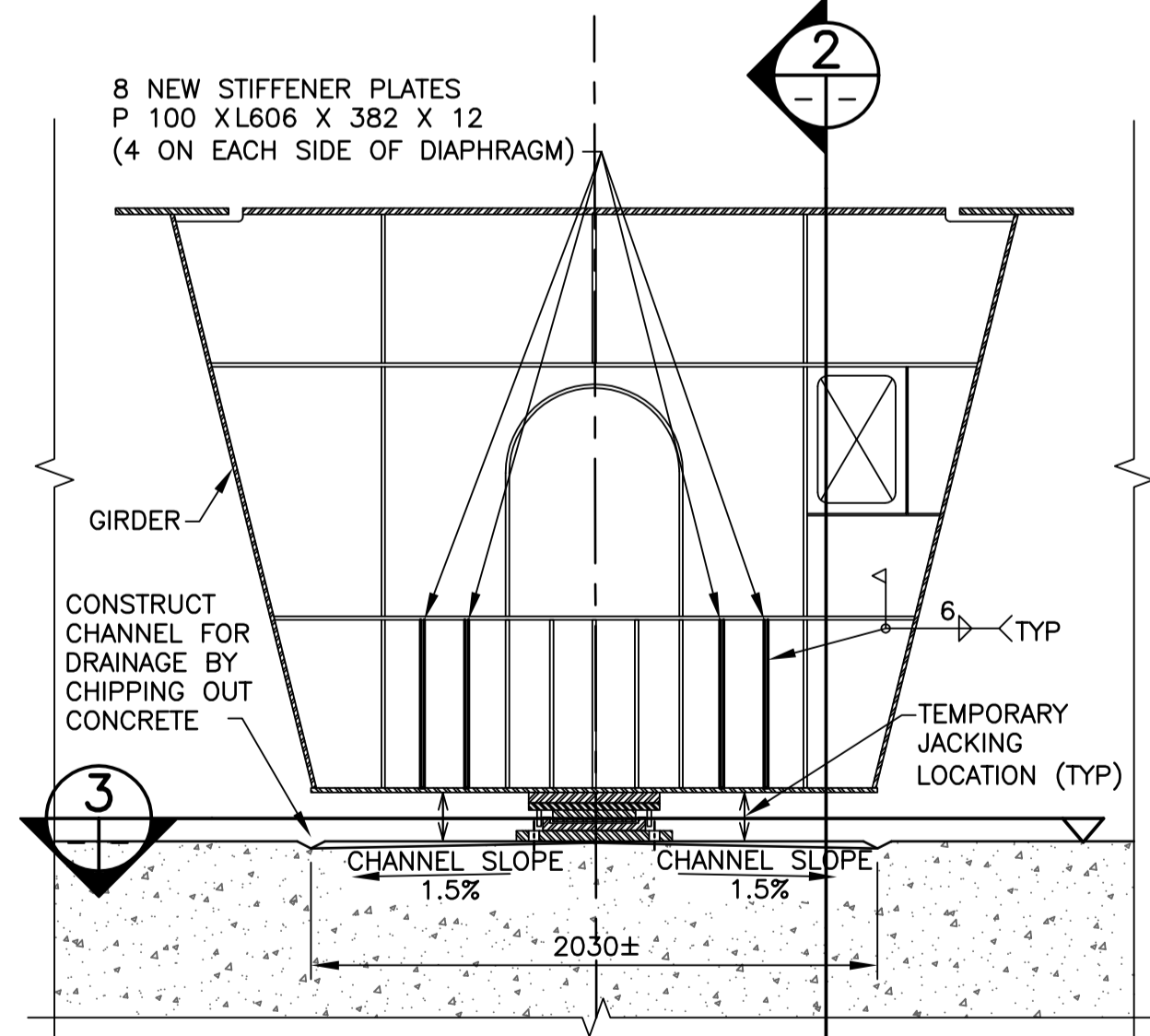
SECTION 1
1 : 50



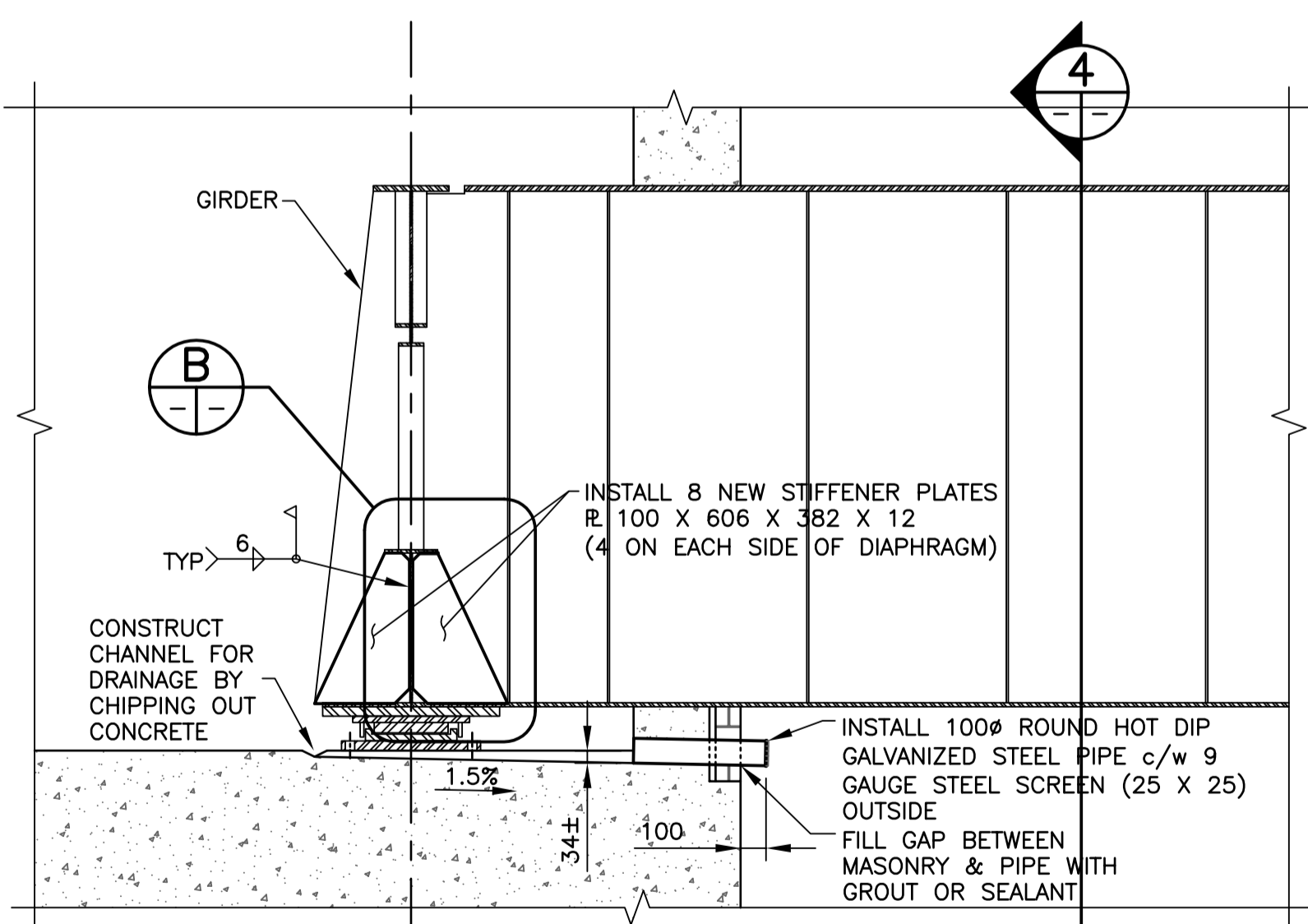
SECTION 3
1 : 25



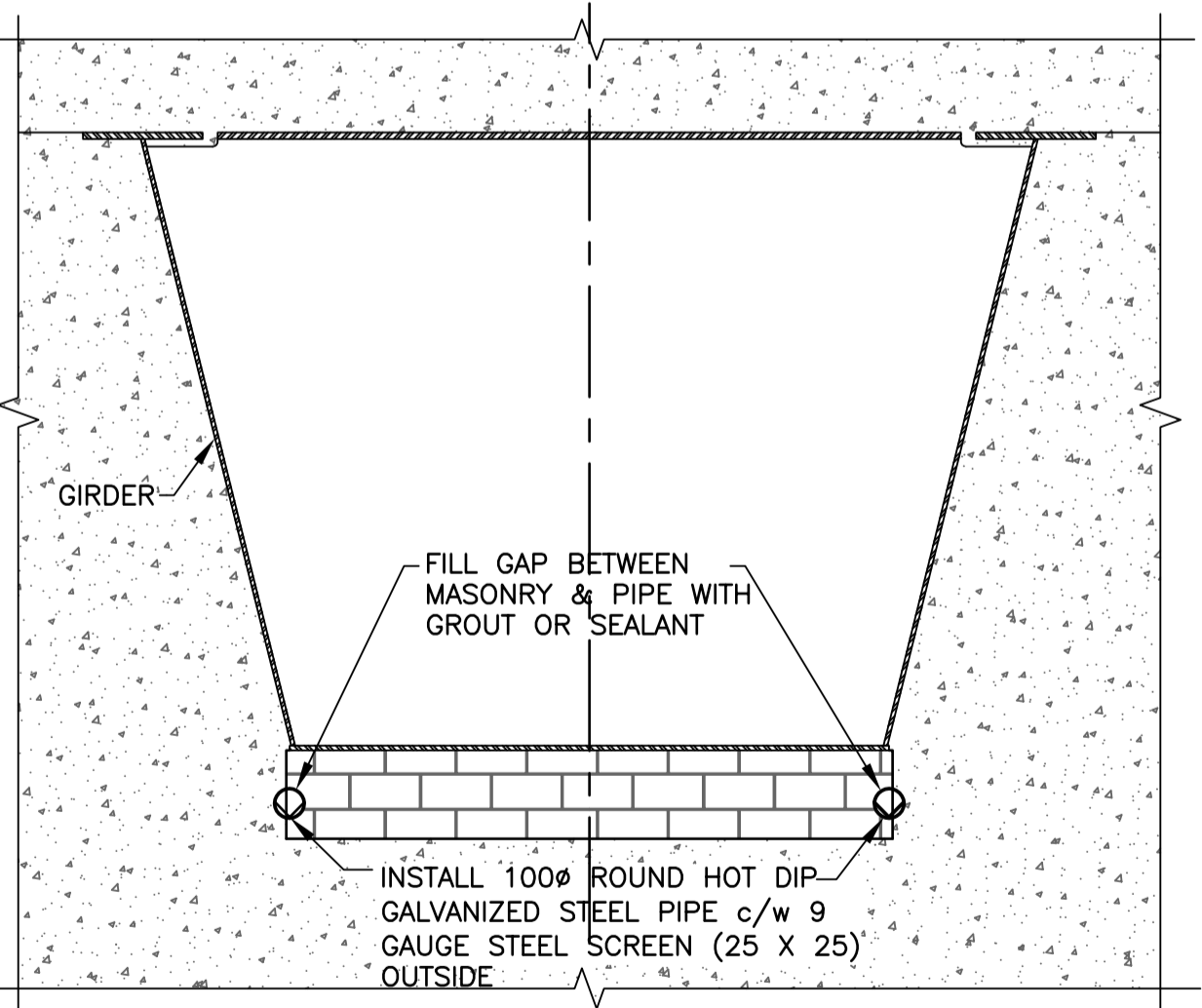
DETAIL B
SCALE 1 : 10



DETAIL A
SCALE 1 : 25



SECTION 2
SCALE 1 : 25



SECTION 4
SCALE 1 : 25



| | |
|--------------------------|-----------------------|
| B.M. ELEV. | DESIGNED BY: R.A.W. |
| | DRAWN BY: M.R.D. |
| | CHECKED BY: R.A.W. |
| | REVIEWED BY: S.S.R. |
| | SCALE: HORZ. AS SHOWN |
| | VERT. 1:2 |
| | DATE: OCT 2005 |
| 2 ISSUED FOR BIDDING | 10/31/05 M.R.D. |
| 1 ISSUED FOR CITY REVIEW | 10/27/05 M.R.D. |
| NO. REVISIONS | DATE BY |

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R. A. WIEBE
REGISTERED PROFESSIONAL ENGINEER

DILLON CONSULTING

DATE: _____

AUTHORIZED BY: _____
CITY BRIDGE ENGINEER

BID OPPORTUNITY NO. 663-2005

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

2005 BRIDGE MAINTENANCE
FORT GARRY BRIDGE

BEARING REFURBISHMENT
AND DRAINAGE TRENCH WORKS

CITY DRAWING NUMBER
B173-05-01

SHEET 1 OF 2

CONSULTANT PROJECT NO.
05-4421-1000

PLAN DETAILS