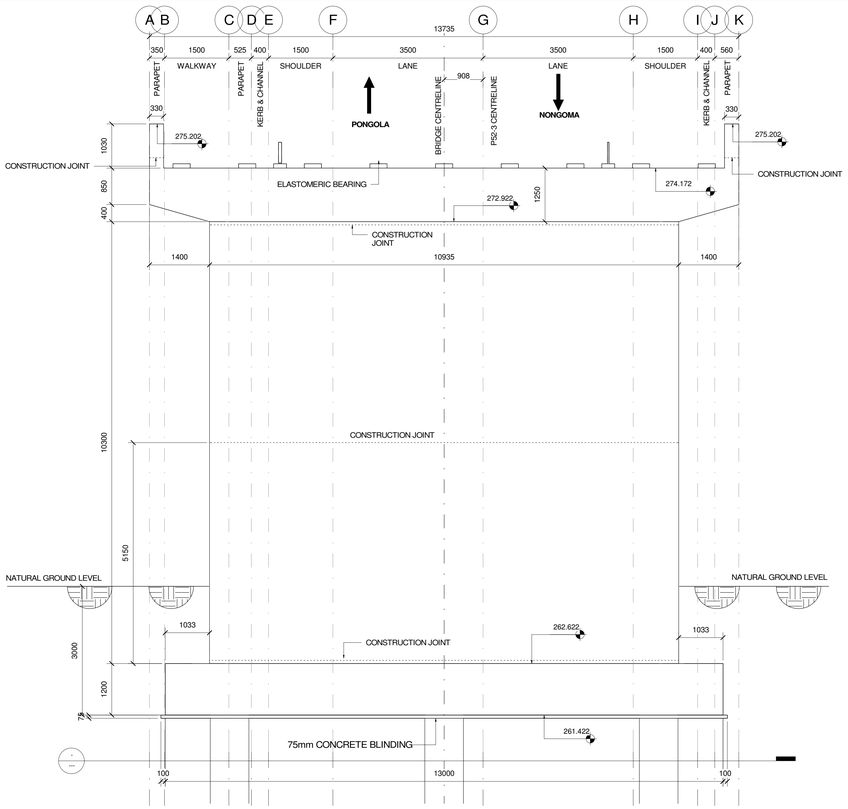
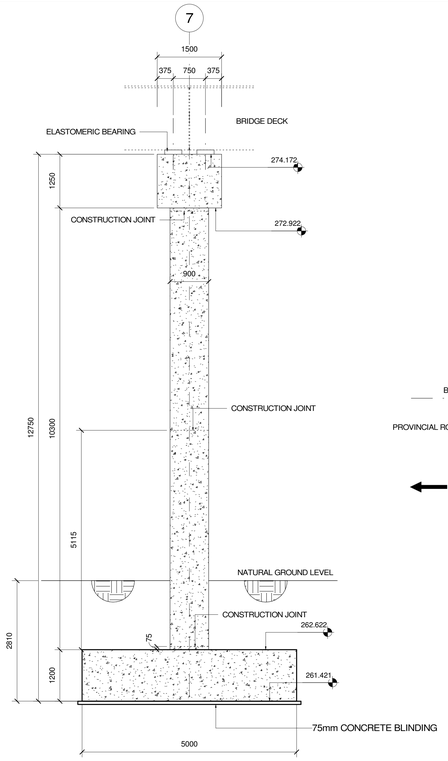


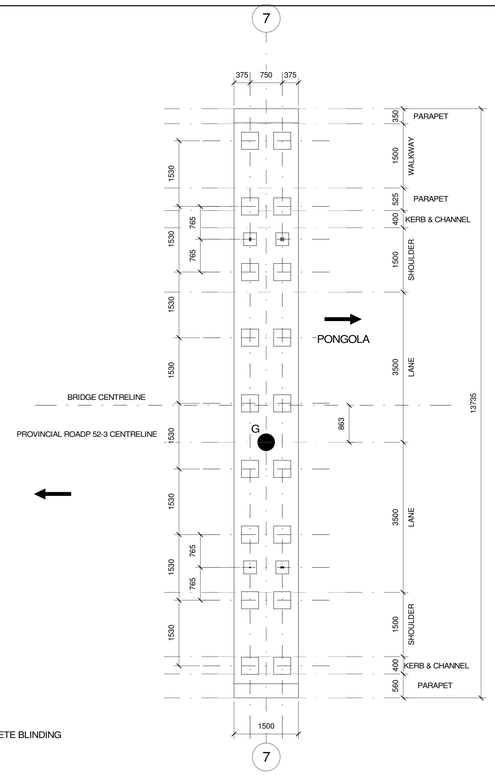
PIER 06 ELEVATION

SCALE 1 : 50



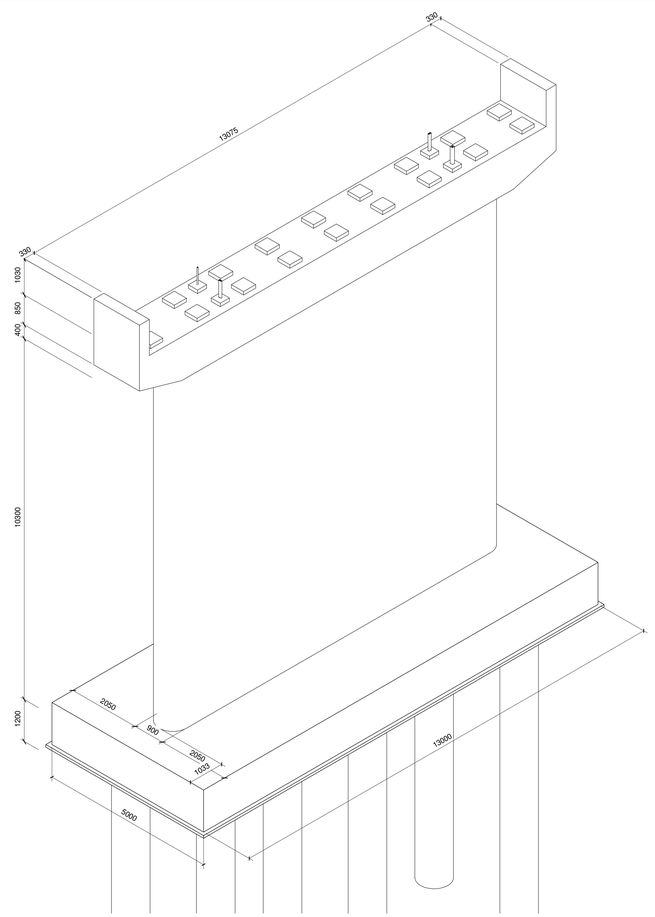
SECTION C-C

SCALE 1 : 50



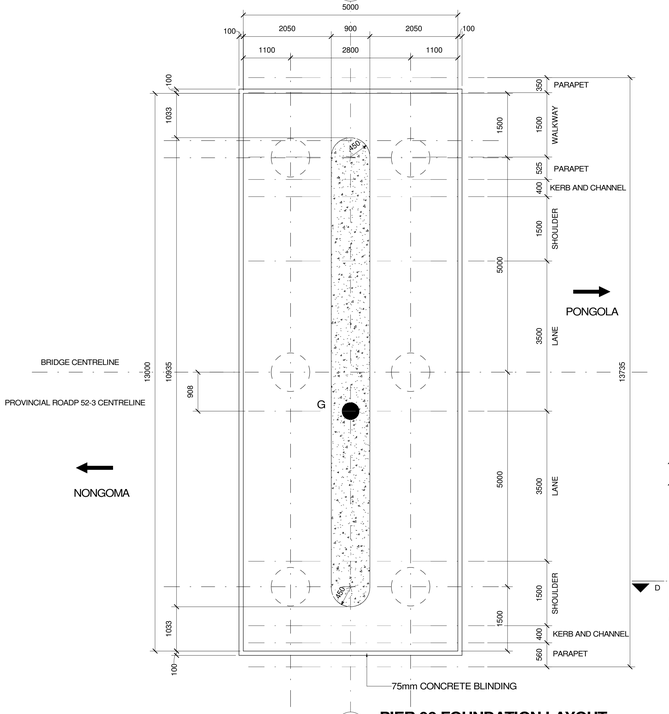
BEARING SEATING LAYOUT

SCALE 1 : 50



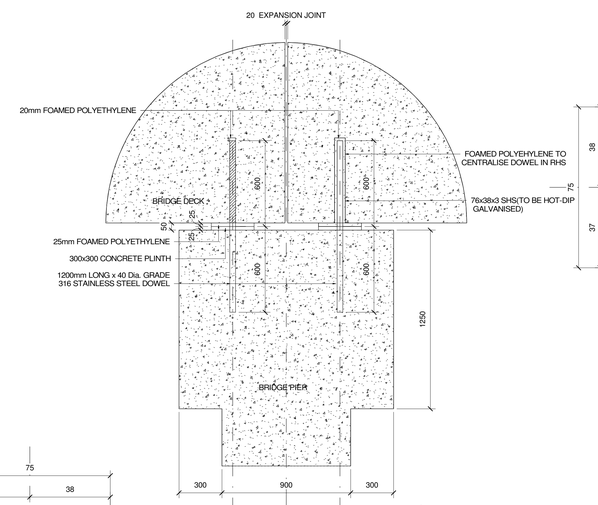
PEIR 06 3D VIEW

SCALE



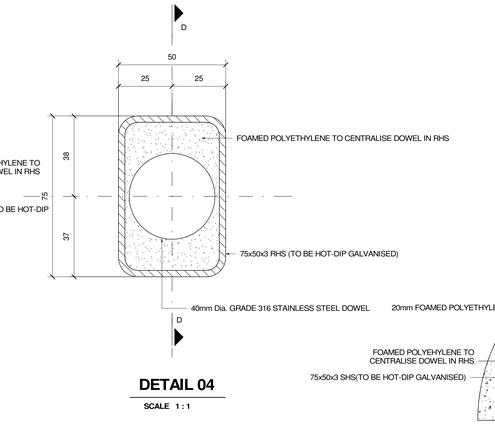
PIER 06 FOUNDATION LAYOUT

SCALE 1 : 50



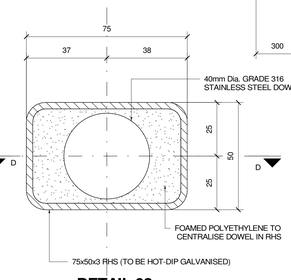
DOWEL -02

SCALE 1 : 15



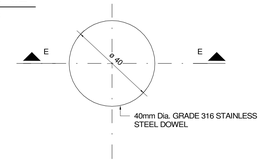
DETAIL 04

SCALE 1 : 1



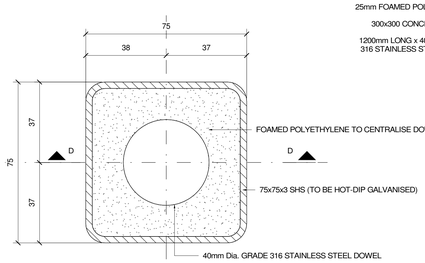
DETAIL 03

SCALE 1 : 1



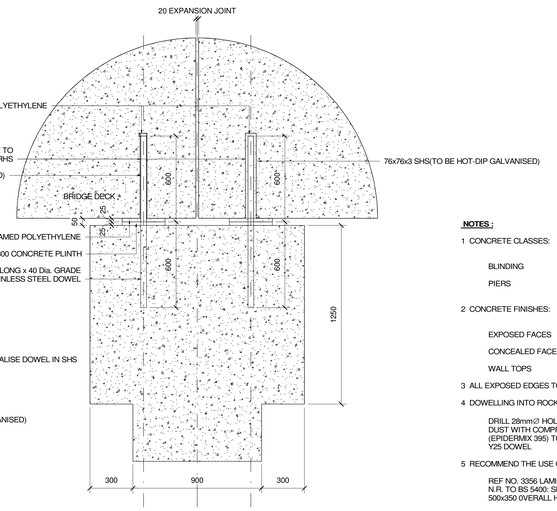
DETAIL 06

SCALE 1 : 1



DEAIL 05

SCALE 1 : 1



DOWEL -01

SCALE 1 : 15

NOTES :

1 CONCRETE CLASSES:

BLINDING	-	15/19 (15MPa)
PIERS	-	30/19 (30MPa)

2 CONCRETE FINISHES:

EXPOSED FACES	-	CLASS F2 (SMOOTH)
CONCEALED FACES	-	CLASS F1 (ROUGH)
WALL TOPS	-	CASS U2 (FLOATED)

3 ALL EXPOSED EDGES TO BE CHAMFERED 25 x 25

4 DOWELLING INTO ROCK:

DRILL 28mmØ HOLES 2500mm DEEP AND BLOW OUT DUST WITH COMPRESSOR, INJECT INTO GROUT (EPIDERMIX 395) TO PREVENT AIR-LOCKS AND INSERT Y25 DOWEL

5 RECOMMEND THE USE OF FREYSSINET OR SIMILAR BEARINGS:

REF NO. 3356 LAMINATED ELASTOMERIC BEARING IN 60° N.R. TO BS 5400: SECT. 9.1:1983 PLAN 5176 = 500x350 0VERALL HEIGHT = 61mm.

Rev	Date	Description	Checked	Signed
A	28-09-2023	ISSUED FOR APPROVAL	BM	

AMMENDMENTS

AS BUILT

Supervising Engineer — Date

Supervising Authority

Continued from :		Designed by :	T. Mhkize
Continued on :		Checked by :	B. Manyela
Cross Section No :		Drawn by :	S. Maphumulo
Longitudinal Section No :		Checked by :	T. Mhkize
Survey Plan No :		Date of approval :	

transport
Department:
Transport
Province of KwaZulu-Natal

Designed by :

IBHONGO CONSULTING

71 Fifth Avenue
Morningside
Durban 4001
Tel: (031) 324 2200
Fax: (031) 324 2222
email:info@ibhongo.co.za

Director — Date

Structural Design: Chief Engineer

Head: Transport

PROVINCIAL ROAD P52/3 - NONGOMA TO PONGOLA
S 27 39 47.18 E 31 43 12.14

PROPOSED MKHUZE RIVER BRIDGE

PIER 06 CONCRETE DETAILS

Staked km distance	27.400	Sheet :	18
		of :	51
Scale :	As indicated	Ibhongo Dwg No:	2203-SCD-106
		DOT Dwg No:	3801-18

3801-18