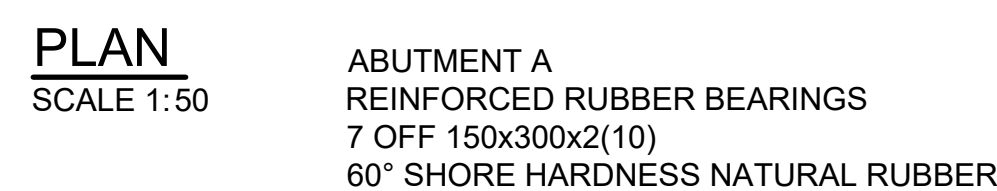


Z:\V20\MR 191\Drawings\Drawings 2015\SPOOR BRUG (8039)06 ABUTMENT A.dwg



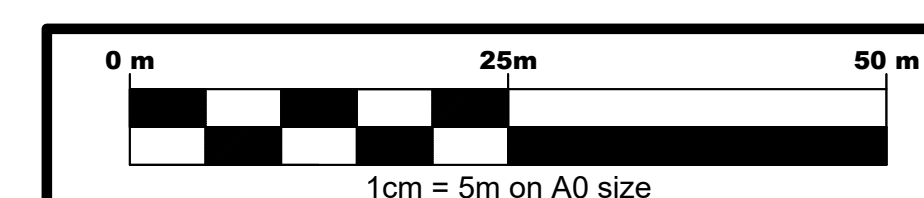
REINFORCED BEARING PAD DATA	
DESIGN SPECIFICATION	BS5400 PART 9
MATERIAL	REINFORCED RUBBER OR NEOPRENE
MATERIAL PROPERTIES	
RRD (DEG)	60
SHEAR MODULUS (MPa)	0.96
BULK MODULUS (MPa)	2000
LOCATION	ABUTMENT
BEARING SIZE (L x B x n(t))	150 x 300 x 2(10)
NO OFF	TOTAL 7
DESIGN LOADS	
VERTICAL (MAX)(kN)	310
VERTICAL (MIN)(kN)	175
SHEAR DISPLACEMENT (mm)	0
ROTATION (rad)	0.001

1. CONCRETE CLASS SHALL BE:
30/20
2. ALL EXTERNAL SHARP CORNERS TO HAVE A 20 x 20 mm CHAMFER.
3. ABUTMENT COVER SHALL BE 75mm ON BOTTOM OF BASE AND 50mm ON REST OF ABUTMENT
4. CONCRETE FINISH :

TYPE OF SURFACE	FORMED SURFACE	UNFORMED SURFACE
UNEXPOSED	CLASS F1	CLASS U1
EXPOSED	CLASS F2	CLASS U2
TOP BEARING SEAT	N/A	CLASS U3

LEVELS	
A	132.389
B	132.330
C	132.050
D	131.192
E	131.477
F	131.545

BEARING LEVELS	
BEARING NR	LEVEL
1	130.525
2	130.663
3	130.801
4	130.951
5	131.051
6	131.15
7	131.237



No.	DATE	ADDITIONS AND AMENDMENTS	APPROVED		DESIGNED BY:	W BIJKER Jr
			CONS. ENG	PRE		
V1	OCT2015	ORIGINAL VERSION	W BIJKER		CHECKED BY:	W BIJKER
V2	FEB2016	SCANNED ORIGINAL WITH SIGNATURES	W BIJKER			
					DRAWN BY:	D vd BERG
					CHECKED BY:	W BIJKER Jr

ixengineers
Infrastructure Excellence
31 Allen Drive | Loevenstein | Cape Town | 7530
Tel: +27 (0) 21 912 3000
www.ixengineers.co.za

W BIJKER
CONSULTING ENGINEERS

DATE FEB 2018



**Western Cape
Government**

Transport and Public Works

APPROVED

THIS APPROVAL IS FOR PROCEDURAL AND
ADMINISTRATIVE REVIEW PURPOSES
ONLY AND DOES NOT ATTRACT LEGAL
LIABILITY OF ANY KIND FROM
WHATSOEVER CAUSE OR HOWEVER ARISING


PROVINCIAL ROADS ENGINEER

DATE 2022-09-01

PROPOSED BRIDGE No. 6039 ON MAIN ROAD 191
AT km 0.167 OVER RAILWAY

ABUTMENT A CONCRETE DETAIL

<p>P.R.E.'S FILE No. TPW16/6/4/114- MR00191-C749.02</p>	<p>SCALE AS SHOWN</p>	
<p>CONTRACT No. C749.02</p>	<p>WCG STRUCTURES PLAN No. 6039/07</p>	
<p>CONSULTANT'S PLAN No. 21097KP0/RB 07/33</p>	<p>WCG INDEX No. A90/831</p>	<p>VER. V2</p>

FOR TENDER PURPOSES ONLY