DIVISIONAL ROAD 1104

EXISTING CULVERT
TO BE REMOVED

KLAPMUTS

JOOSTENBERGVLAKTE

2.240 2.260 2.280 2.300 2.320 2.340 2.360 2.380 2.400

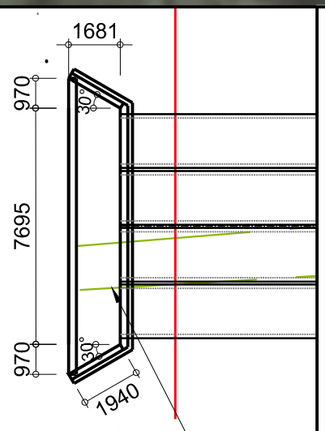
DIRECTION OF FLOW

BOX CULVERT
4 / 1500x900mm
AT km 2,312

NOTE:

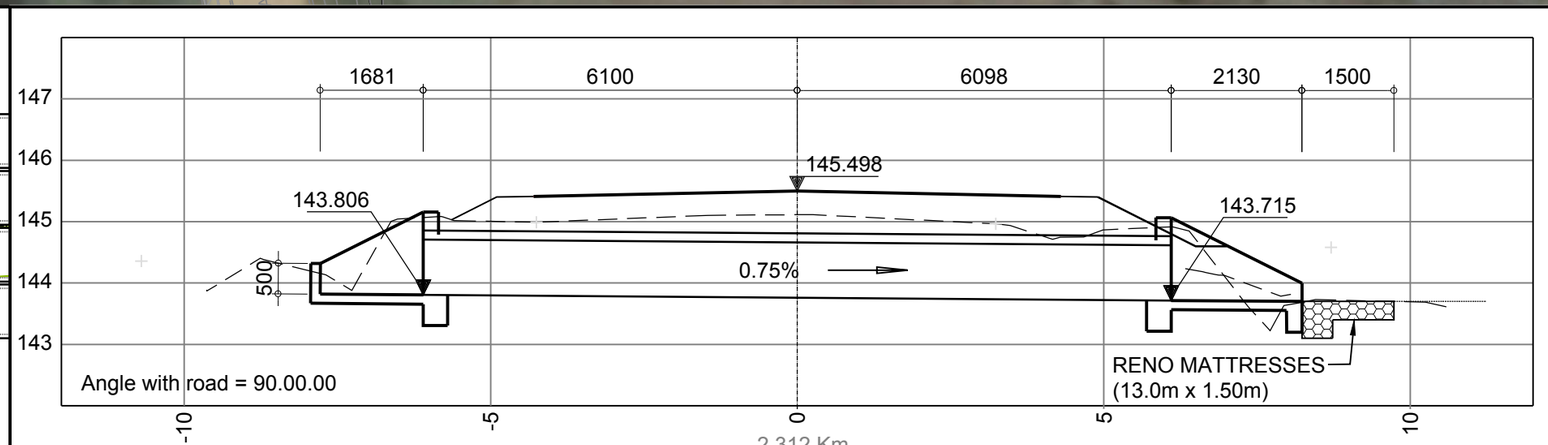
- EXISTING CULVERT TO BE REPLACED WITH 4 / 1500 x 900mm BOX CULVERT.
- CONSTRUCT NEW INLET / OUTLET STRUCTURES.
- DROP INLET TO BE CONSTRUCTED TO RETAINED EXISTING WETLAND WATER LEVEL.
- PROVIDE RENO MATTRESS OUTLET PROTECTION TO PREVENT EROSION.

SCALE 1:500



EXISTING
HEADWALL TO BE
DEMOLISHED

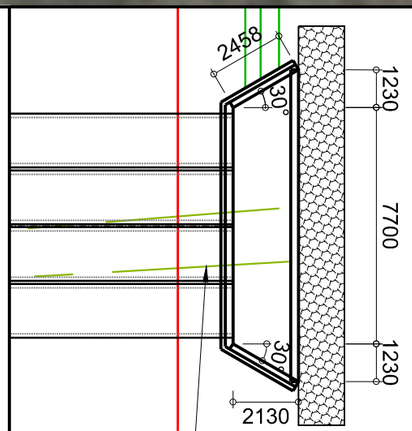
SCALE 1:200



RENO MATTRESSES
(13.0m x 1.50m)

2.312 Km
4/ 1500 x 900

SCALE 1:100



EXISTING
HEADWALL TO
BE DEMOLISHED

SCALE 1:200

No.	DATE	ADDITIONS AND AMENDMENTS	APPROVED CONS. ENG.	APPROVED PRE

DESIGNED BY: R.O
CHECKED BY: F.W.S
DRAWN BY: E.S
CHECKED BY:

iX engineers
Infrastructure Excellence
31 Allen Drive Cape Town
Loevenstein 7535 Tel: (021) 912-3000
www.ixengineers.co.za

CONSULTING ENGINEERS
DATE

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

UPGRADING OF DIVISIONAL ROAD 1098
(km 0,00 TO km 8,79)

BOX CULVERT 4 / 1500 x 900mm AT km 2,312

PRELIMINARY	
FOR INFORMATION ONLY	✓
FOR APPROVAL	
FOR TENDER PURPOSES	
FOR CONSTRUCTION	

P.R.E.'s FILE No. TWP16/6/4/1/1 Div Rd1098-C1049
CONTRACT No. C1049
CONSULTANT'S PLAN No. C00069-10-EN-DAL-0005-001
SCALE AS SHOWN ORIGINAL SIZE A3
WCPA STRUCTURES PLAN No.
WCPA INDEX No.