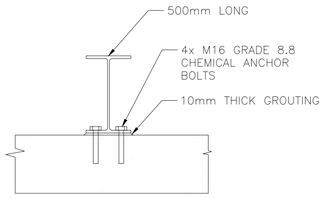
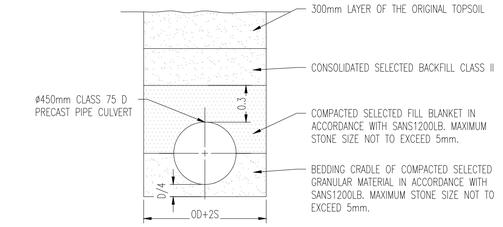
ROAD CROSSING: RC11 PLAN VIEW
CH 5165 SLURRY WEST ALIGNMENT
SCALE 1:50

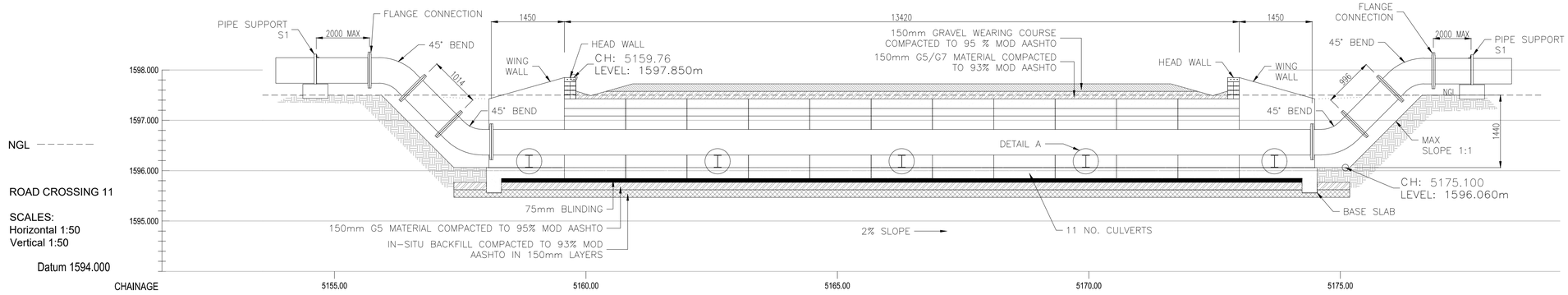
ROAD CROSSING: RC11 DAYLIGHTING
SCALE 1:250



DETAIL A
SCALE 1:10



STORMWATER PIPE BEDDING DETAILS
SCALE 1:25



EPCM BONISANA (PTY) LTD

THIS DRAWING TAKES INTO ACCOUNT THE PARTICULAR INSTRUCTIONS AND REQUIREMENTS OF OUR CLIENT.

IT IS NOT INTENDED FOR AND SHOULD NOT BE RELIED UPON BY ANY THIRD PARTY AND NO RESPONSIBILITY IS UNDERTAKEN TO ANY THIRD PARTY

NOTES:

1. COORDINATE SYSTEM: WGS 84 TRANSVERSE MERCATOR, Lo 29, DATUM: HARTEBEESHOEK 94.
2. REFER TO LONG SECTIONS FOR LOCATION OF CROSSINGS.
3. PORTAL CULVERTS TO RUN PARALLEL TO PIPE ROUTE.
4. REFER TO CULVERT DETAILS DRAWING No. 21084-KMDD-CE-DRD-056 FOR CULVERT AND HEAD/WING WALL DETAILS.
5. ALL BENDS TO BE 3D LONG RADIUS BENDS.
6. CROSSINGS TO BE INSTALLED NOT TO IMPEDE WITH NATURAL STORMWATER DRAINAGE OR APPROVED DIVERSIONS TO BE PROVIDED.
7. AREA ADJACENT TO CROSSING TO BE SLOPED AWAY FROM CULVERT OR SUITABLE BERM TO BE PROVIDED TO PREVENT STORMWATER ENTERING CULVERT.
8. STORMWATER PIPE CULVERT TO BE PROVIDED FROM INVERT OF CULVERT EXCAVATION AT 0.5% SLOPE UP TO DAYLIGHT POSITION.
9. TOPSOIL TO BE REMOVED FROM STORMWATER CHANNEL AREA PRIOR TO CONSTRUCTION TO 150mm DEPTH, TOPSOIL TO BE REINSTATED AFTER COMPLETION, WHERE OPEN CHANNELS ARE REQUIRED.
10. WHERE STORMWATER DRAIN SIDE SLOPES ARE UNSTABLE, SLOPES TO BE SUITABLY COMPACTED.
11. CULVERT BASE SLABS MAY BE PRECAST OR CAST INSITU.
12. FOR PIPE CULVERT, INLET, OUTLET AND SOIL EROSION REFER TO DRAWING :20184-KMDD-CE-DRD-065

LEGEND:

- EXISTING ROAD EDGES
- PIPE LINE CENTERLINES
- STORMWATER DRAINAGE
- NATURAL WATER COURSE

COORDINATES		
POINT	Y	X
CUL11a	-17 321.947	2 908 734.892
CUL11b	-17 323.267	2 908 736.524
CUL11c	-17 312.830	2 908 744.962
CUL11d	-17 311.510	2 908 743.327

EPCM Bonisana (Pty) Ltd
epcm
ECSA PR Eng.
20060005
S. DU RAND

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APPROVED FOR CONSTRUCTION

Eskom

EPCM BONISANA
13 ESCOBINO NOOK
UNIT 8
CENTRAL PARK OFFICES
CENTURION
GAUTENG
0157
TEL: (+27) 12 665 1085
FAX: (+27) 12 566 2241
EMAIL: INFO@EPCMHOLDINGS.COM
WEB ADDRESS: WWW.EPCMHOLDINGS.COM

DWG No.	TITLE
21084-KMDD-DAL-005	ROAD CROSSING LAYOUT
21084-KMDD-CE-DRD-048-04	SLURRY WEST PIPELINE LONG SECTIONS 4/5
21084-KMDD-CE-DRD-056	CULVERT DETAILS
21084-KMDD-CE-DRD-065	PIPE CULVERT LONG SECTIONS AND DETAILS

REFERENCE DRAWINGS

No.	REVISION	CAD.	BY	CHK.	APP.	DATE
1	ISSUED FOR CONSTRUCTION	M.M	D.J.	V.W.B.	S.d.R.	30.07.23

NAME	SIGN	DATE
–	–	–

CLIENT APPROVAL

DISCIPLINE	SIGN	DATE
PROC. ENG.	C.P.	
INSTR. ENG.	J.P.	
ELECT. ENG.	J.P.	
STRUC. ENG.	H.B.	
CIVIL. ENG.	S.d.R.	
MECH. ENG.	T.C.	
PROJ. MAN.	S.d.R.	

COMPANY APPROVAL

LOCATION: KRIEL/MATLA POWER STATION, MPUMALANGA

SECTION: CROSSING

TITLE: ROAD CROSSING 11 PLAN AND SECTION DETAIL

DRAWING No.: 21084-KMDD-CE-DRD-057-11 REV 1

KRIEL TO MATLA ASH TRANSFER LINK

PROJECT No.: 21084 PAGE SIZE: A1

CLIENT DRAWING No.: 0.45/61021-071 REV