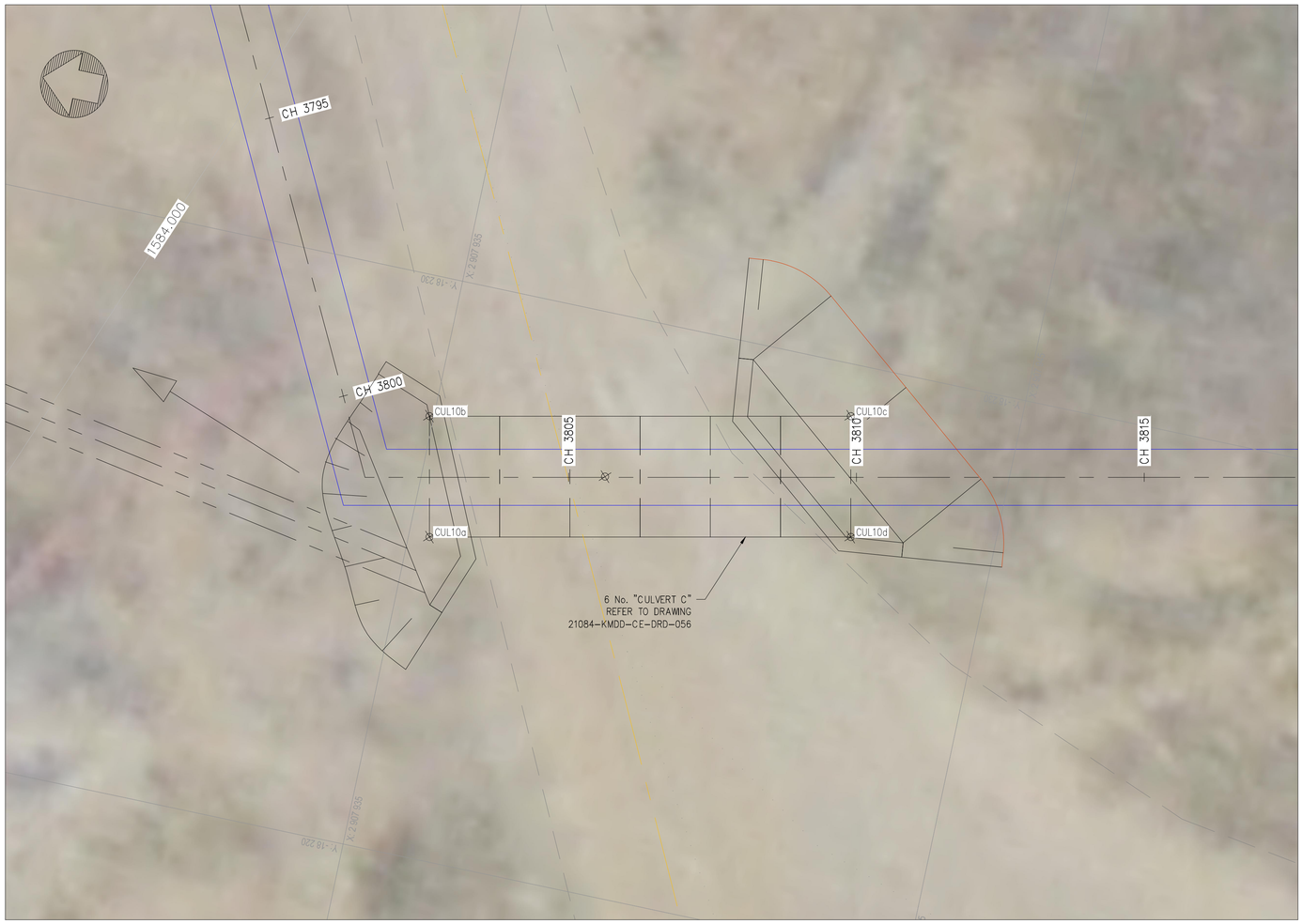
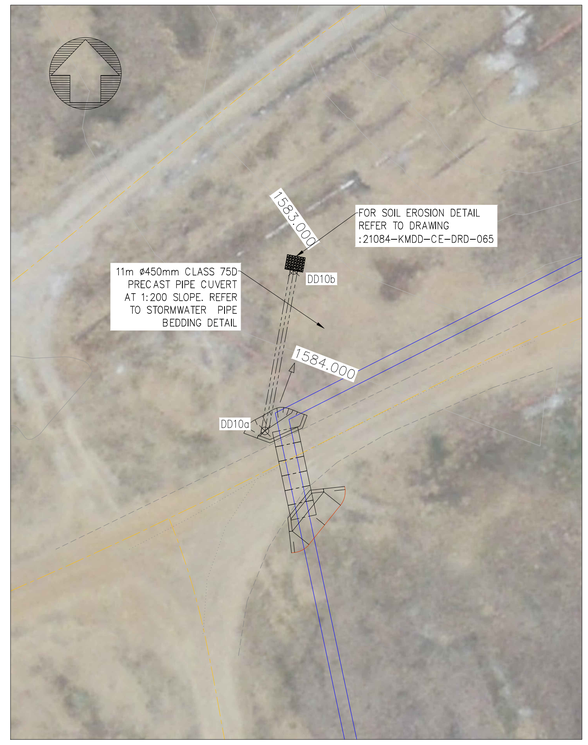
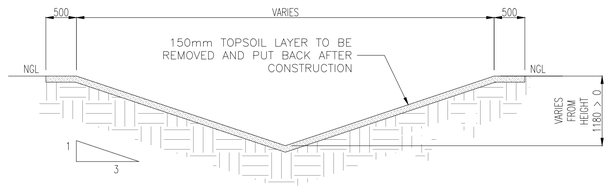


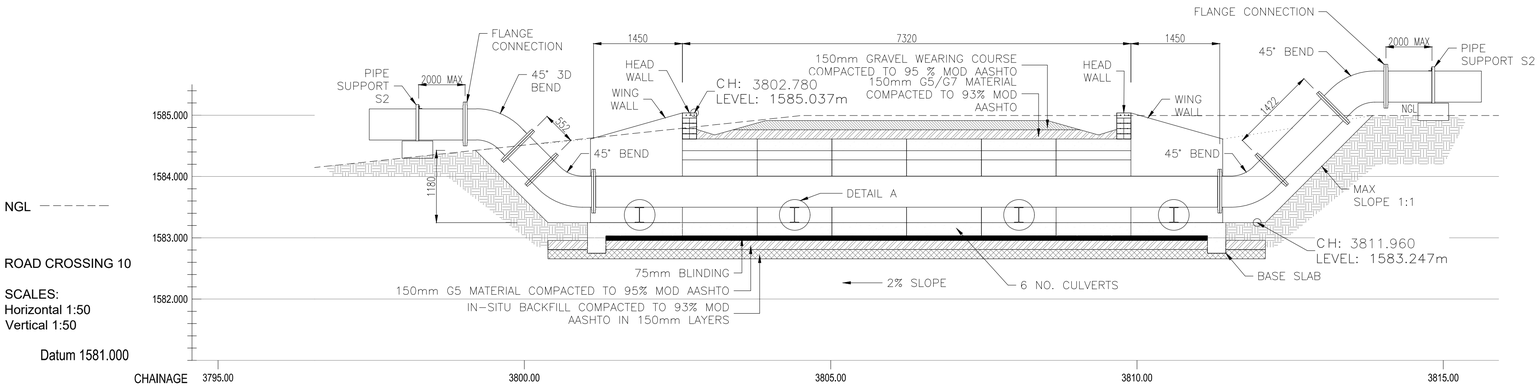
ROAD CROSSING: RC10 PLAN VIEW
CH 3800 SLURRY WEST ALIGNMENT
SCALE 1:50

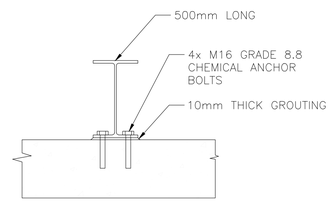


ROAD CROSSING: RC10 DAYLIGHTING
SCALE 1:250



DRAINAGE V-DRAIN
DETAIL B





DETAIL A
SCALE 1:10

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 V-DRAIN 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.
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 :21084-KMDD-CE-DRD-065

LEGEND:

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

COORDINATES		
POINT	Y	X
DD10a	-18 225.172	2 907 935.509
DD10b	-18 227.531	2 907 922.425

COORDINATES		
POINT	Y	X
CUL10a	-18 225.789	2 907 935.618
CUL10b	-18 227.843	2 907 935.182
CUL10c	-18 229.364	2 907 942.342
CUL10d	-18 227.309	2 907 942.778

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

epcm
APPROVED FOR CONSTRUCTION

DWG No.	TITLE	No.	REVISION	CAD.	BY	CHK.	APP.	DATE
REFERENCE DRAWINGS								
		1	ISSUED FOR CONSTRUCTION	M.M	D.J.	V.W.B.	S.d.R.	30.07.23
21084-KMDD-DAL-005	ROAD CROSSING LAYOUT							
21084-KMDD-CE-DRD-048-02	SLURRY WEST PIPELINE LONG SECTIONS 2/5							
21084-KMDD-CE-DRD-056	CULVERT DETAILS							
21084-KMDD-CE-DRD-065	PIPE CULVERT LONG SECTIONS AND DETAILS							

CLIENT APPROVAL		
NAME	SIGN	DATE
–	–	–

COMPANY 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.

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epcm

KRIEL TO MATLA ASH TRANSFER LINK

LOCATION: KRIEL/MATLA POWER STATION, MPUMALANGA

SECTION: CROSSING

TITLE: ROAD CROSSING 10 PLAN AND SECTION DETAIL

DRAWING No.	REV
21084-KMDD-CE-DRD-057-10	1

PROJECT No.:	21084	PAGE SIZE:	A1
CLIENT DRAWING No.			REV
0.45/61021-071			