



- NOTES:**
- SPLITTER BLOCK AND PITCHING TO BE PROVIDED AT ALL OUTLETS WHERE EROSION IS LIKELY TO OCCUR.
 - SPLITTER BLOCK MAY BE OMITTED IF DISCHARGE VELOCITY IS LESS THAN 0.9m/s.
 - CUT OFF WALLS MAY BE OMITTED IF STRUCTURE IS FOUNDED ON ROCK.
 - FOR MULTIPLE PIPE CULVERTS, INCREASE DIMENSIONS "E" AND "F" BY (n-1)(a+460mm) WHERE n= NUMBER OF PIPES AND A = NOMINAL DIAMETER OF PIPES
 - PIPES TO BE CUT FLUSH WITH HEADWALL.
 - FOR SKEW PIPE CULVERTS, THE HEADWALL SHALL BE PARALLEL TO THE CENTER LINE OF THE ROAD.
 - STONE PITCHED OR GABION HEADWALLS ARE TO BE USED IN CONJUNCTION WITH PIPE CULVERT UP TO A MAXIMUM SIZE OF 600mm WHERE SPECIFIED.
 - ALL CONCRETE IS TO BE 20MPa/19MPa.
 - SQUARE MESH FABRIC (REF SMF 193) IS TO BE PLACED 50mm FROM TOP IN ALL APRON SLABS AND CENTRALLY IN CUT OFF WALLS.

Nom Dia.	DIMENSIONS (mm)				
	A	B	C	D	E
450	595	1 150	1 050	2 700	150
600	765	1 380	1 200	3 000	150
750	935	1 610	1 350	3 300	150
900	1 105	1 840	1 500	3 600	230
1 050	1 275	2 070	1 750	3 900	230
1 200	1 445	2 300	1 900	4 200	230

No	DATE	REVISION	CONSULT	DIR
A	15-08-2019	PRELIMINARY DESIGN DRAWING	L.G.N	S.M.N
		REVISION 1		

FOR PRELIMINARY

DESIGNED BY	SM NXUMALO (Pr. Technician)
CHECKED BY	LG NGCOBO (Pr. Technologist)
DRAWN BY	F BALOYI (Candidate Technician)
CHECKED BY	SM NXUMALO (Pr. Technician)

PALABORA COPPER (Pty) LIMITED
PO Box 65
1 Copper Road
1389
Phalaborwa, Limpopo
Tel: 015 780 2911
Fax: 015 780 2093

HAYELENI CONSULTING ENGINEERS
12 BICCARD STREET
BICCARD HEIGHTS
OFFICE 17
POLOKWANE
0699
TEL: (015) 297 7434
FAX: (086) 244 8999

CLIENT	DATE
CONSULTING ENGINEER	DATE

PLM 00/2019
UPGRADING OF P43/3 ROAD
Ga-SELWANA ACCESS ROAD
TYPICAL DETAILS OF PIPE CULVERT INLET AND OUTLET
STRUCTURES - HEAD WALLS (MASONRY)

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SHEET	25 of 37
AS SCALE	
AS SHOWN	
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