



SOUTHERN AFRICA TRADE AND CONNECTIVITY PROJECT  
(SATCP)

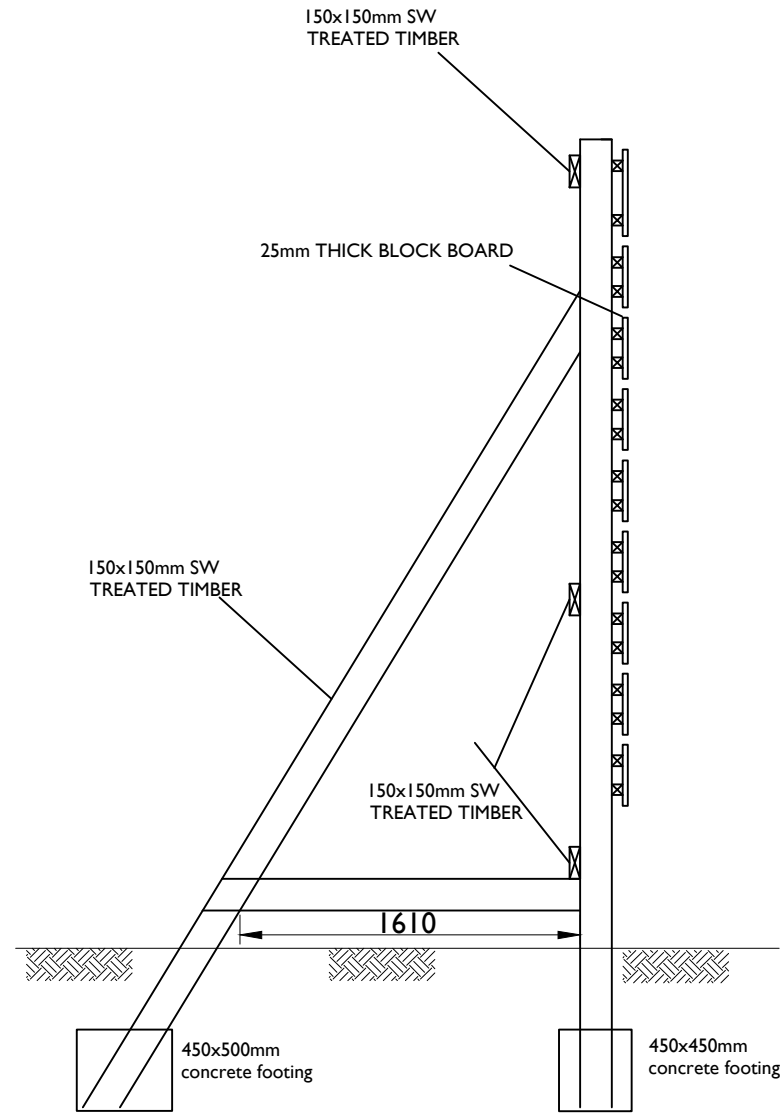
## **MINISTRY OF TRANSPORT AND PUBLIC WORKS**

MW-MTPW-544341-CW-RFB/ GRAVELLING, EMBANKMENT FORMATION, SPOT AND DRAINAGE  
IMPROVEMENT ON KANYENDA VIA MWENDAYENDA SCHEME (UD) ROAD (3KMs) IN DEDZA  
DISTRICT

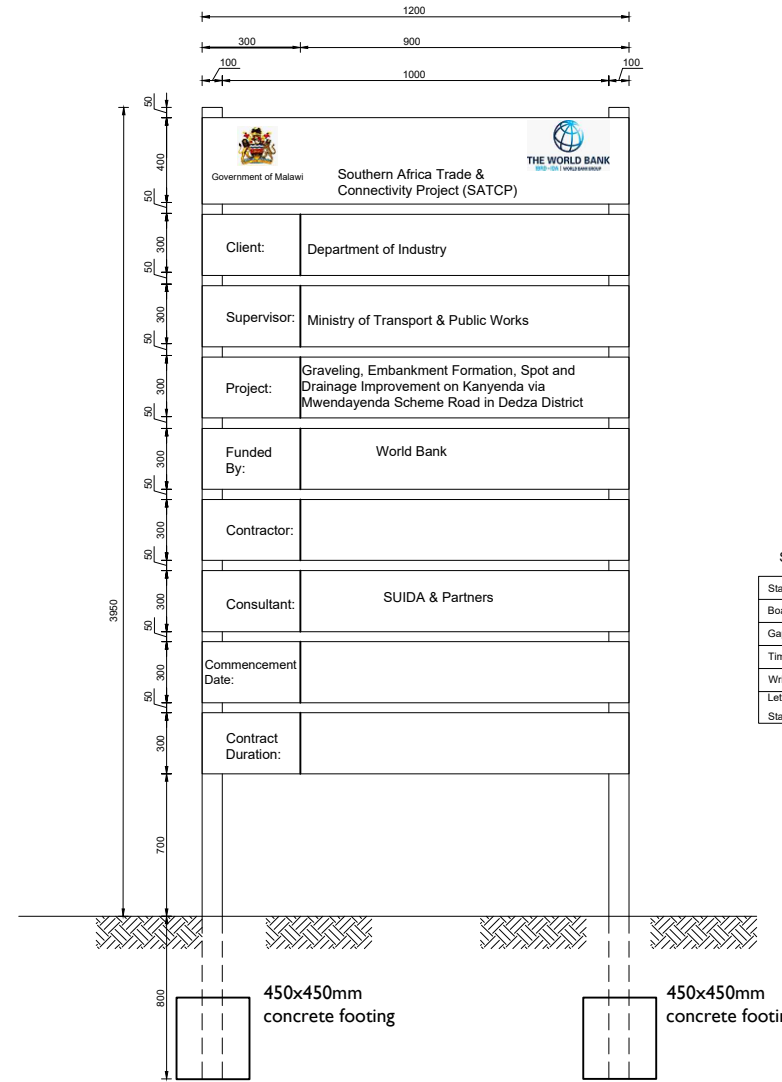
**THE BOOK OF DRAWINGS- TENDER PURPOSE**

**MARCH 2026**







SIDE ELEVATION



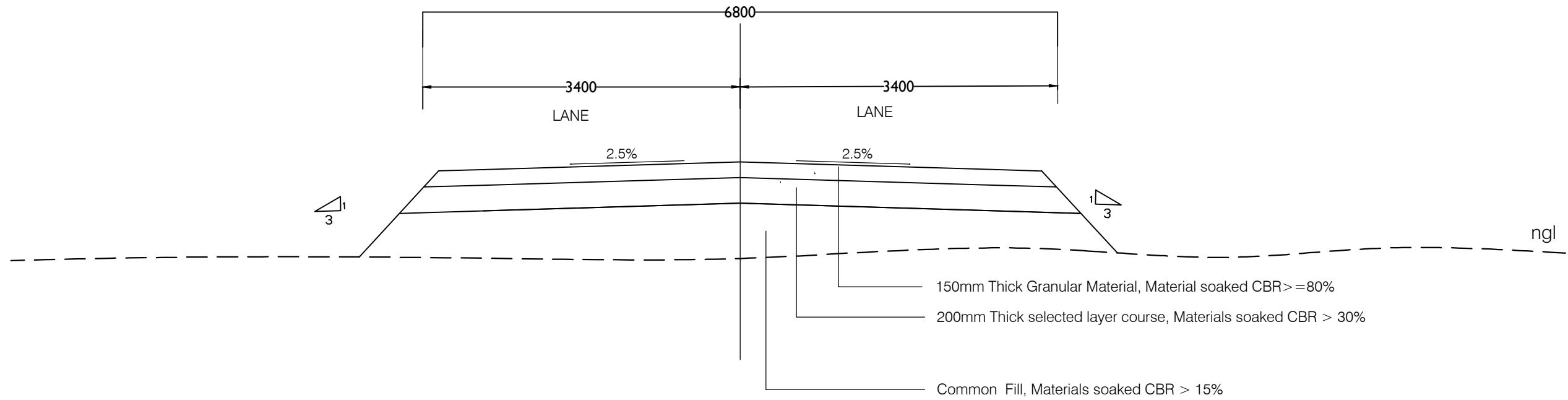
**SPECIFICATIONS**

Stands	100mmx50mmx3250mm
Boards	300mmx25mmx1200mm
Gaps between board	= 50mm
Timber to be treated	soft wood
Writings to appear on	one side only
Lettering	
Standard sizes of black colour	on white background.

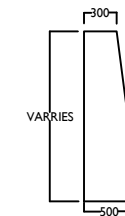
AMENDMENTS			LEGEND	CONSULTANT'S DETAIL:	CLIENT'S DETAIL:	DESIGNED	DRAWING TITLE:	PROJECT STATUS					
NR.	DESCRIPTION	DATE		 <p><b>SUIDA &amp; PARTNERS</b> P.O Box 32345, Chichiri, Blantyre 3 Malawi Tel: + 888 343 523/ 999 343 523 Email info@suidamw.com</p>	 <p>Southern Africa Trade Connectivity Project, Ministry of Transport and Public Works Capital Hill, Off Chilembwe Road private Bag 322, Lilongwe</p>	Z. B	<b>DETAILS OF PROJECT SIGN BOARD</b>	<input type="checkbox"/> DESIGN <input type="checkbox"/> DRAWING <input type="checkbox"/> CHECKED <input type="checkbox"/> APPROVED					
1	REVISION 1	25-02-206						DESIGN CHECKED BY F. N. RENg	DESCRIPTION OF PROJECT MW-MTPW-544341-CW-RFB/ GRAVELLING, EMBANKMENT FORMATION, SPOT AND DRAINAGE IMPROVEMENT ON KANYENDA VIA MWENDAYENDA SCHEME (UD) ROAD (3KMS) IN DEDZA DISTRICT	PLANNING/PROJECT ENGINEER: _____ INSPECTOR OF WORKS: _____ REMARKS: _____ ORIGINAL PAPER SIZE: A1			
								DRAWN Z. B		DRAWING NO: _____ CONTRACT No.: _____ PROJECT No.: _____ SCALE: 1:1000 DATE: NOVEMBER 2025 CON/2025/SP/SATCP-LM/PSB-001			
								DRAWING CHECKED BY F. N. RENg		SHEET NO: 1 OF 1			
								DRAWING APPROVED BY MINISTRY		1 OF 1			
										1 OF 1			

# TYPICAL SECTIONS

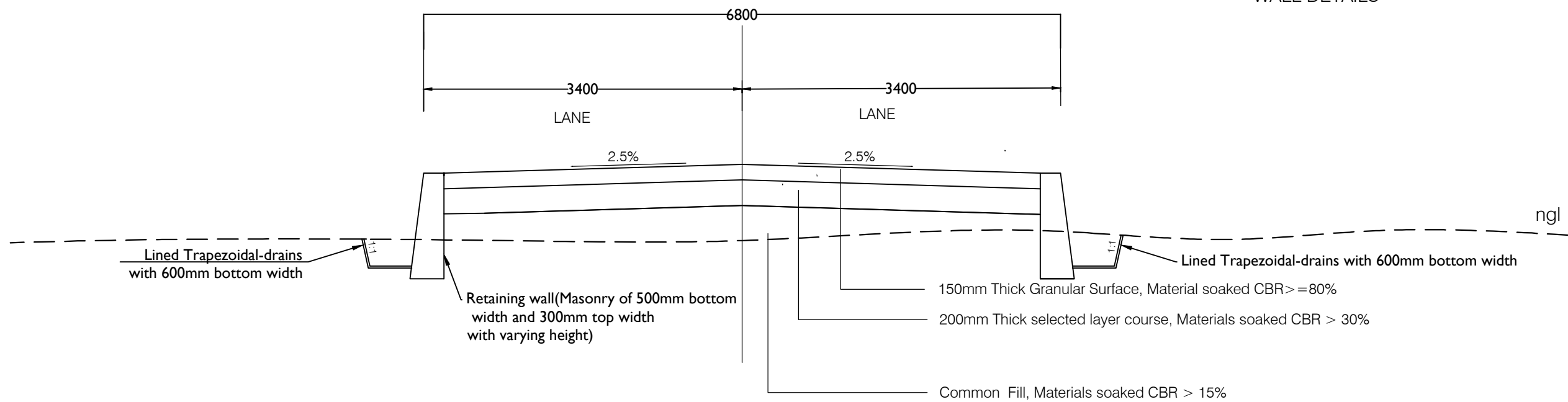




TYPICAL CROSS SECTION IN FILL

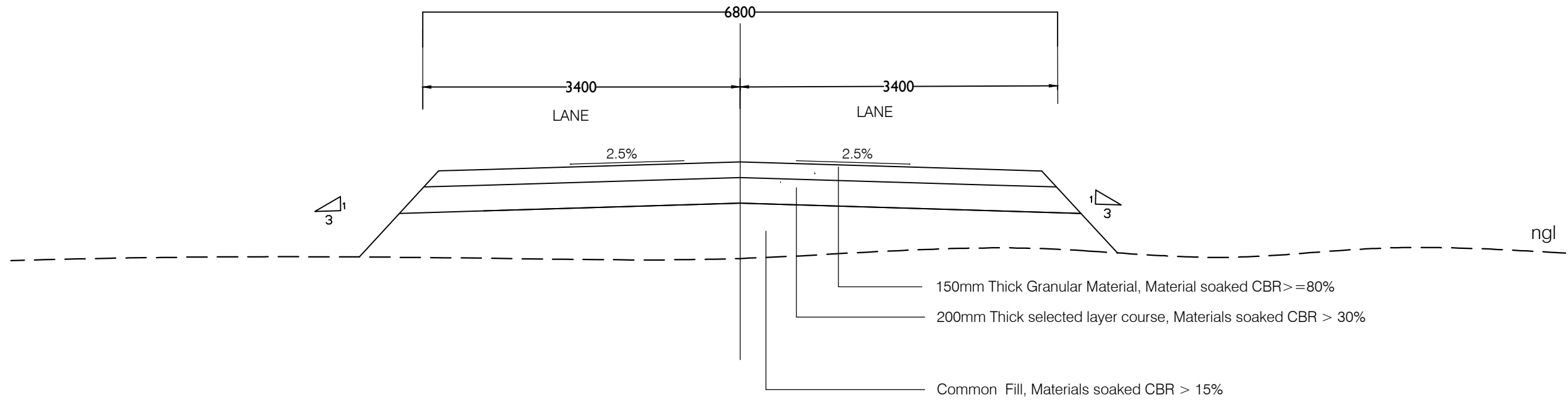


MASONRY RETAINING WALL DETAILS

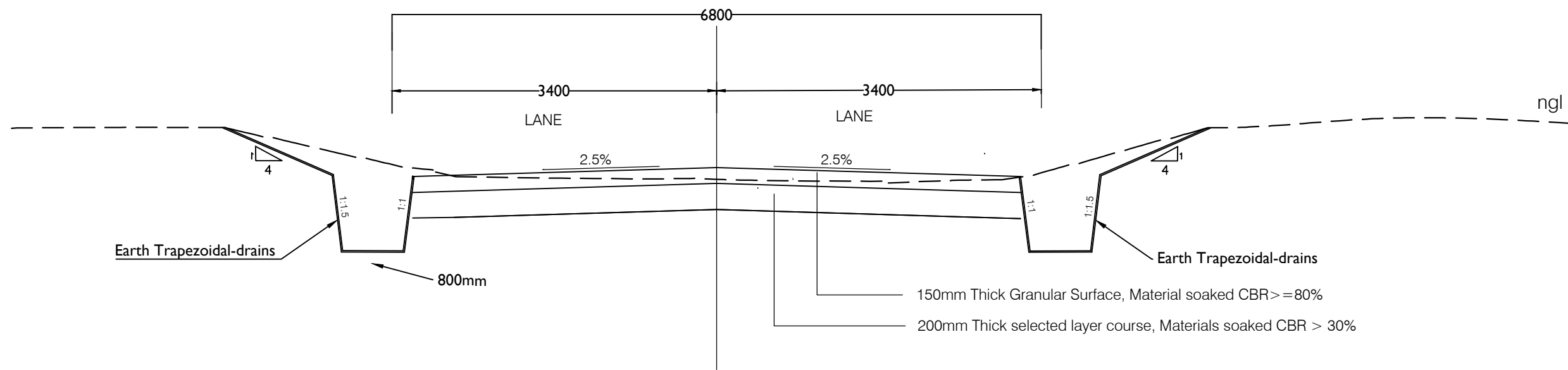


TYPICAL CROSS SECTION IN FILL WITH RETAINING WALL

AMENDMENTS			LEGEND		CONSULTANT'S DETAIL:		CLIENT'S DETAIL:		DESIGNED		DRAWING TITLE:		PROJECT STATUS	
NR.	DESCRIPTION	DATE			SUIDA & PARTNERS		Southern Africa Trade Connectivity Project,		Z. B		TYPICAL CROSS SECTION FOR THE ROAD IN EMBANKMENT		<input type="radio"/> DESIGN <input type="radio"/> CHECKED <input type="radio"/> DRAWING <input type="radio"/> ASSEMBLY	
1	REVISION 1	25-02-2026			P.O Box 32345, Chichiri, Blantyre 3 Malawi Tel: + 888 343 523/ 999 343 523 Email info@suidamw.com		Ministry of Transport and Public Works Capital Hill, Off Chilembwe Road private Bag 322, Lilongwe		SIGNATURE: _____ DATE: _____ F. N. RENg		DESCRIPTION OF PROJECT MW-MTPW-544341-CW-RFB/ GRAVELLING, EMBANKMENT FORMATION, SPOT AND DRAINAGE IMPROVEMENT ON KANYENDA VIA MWENDAYENDA SCHEME (UD) ROAD (3KMS) IN DEDZA DISTRICT		PLANNING/PROJECT ENGINEER: _____ INSPECTOR OF WORKS: _____ REMARKS: _____ ORIGINAL PAPER SIZE: A1	
									DRAWING CHECKED BY: _____ DATE: _____ Z. B		CONTRACT No.: _____ PROJECT No.: _____ SCALE: 1:1000 DATE: NOVEMBER 2025		DRAWING NO.: _____ SHEET NO.: 1 OF 1	



TYPICAL CROSS SECTION IN FILL

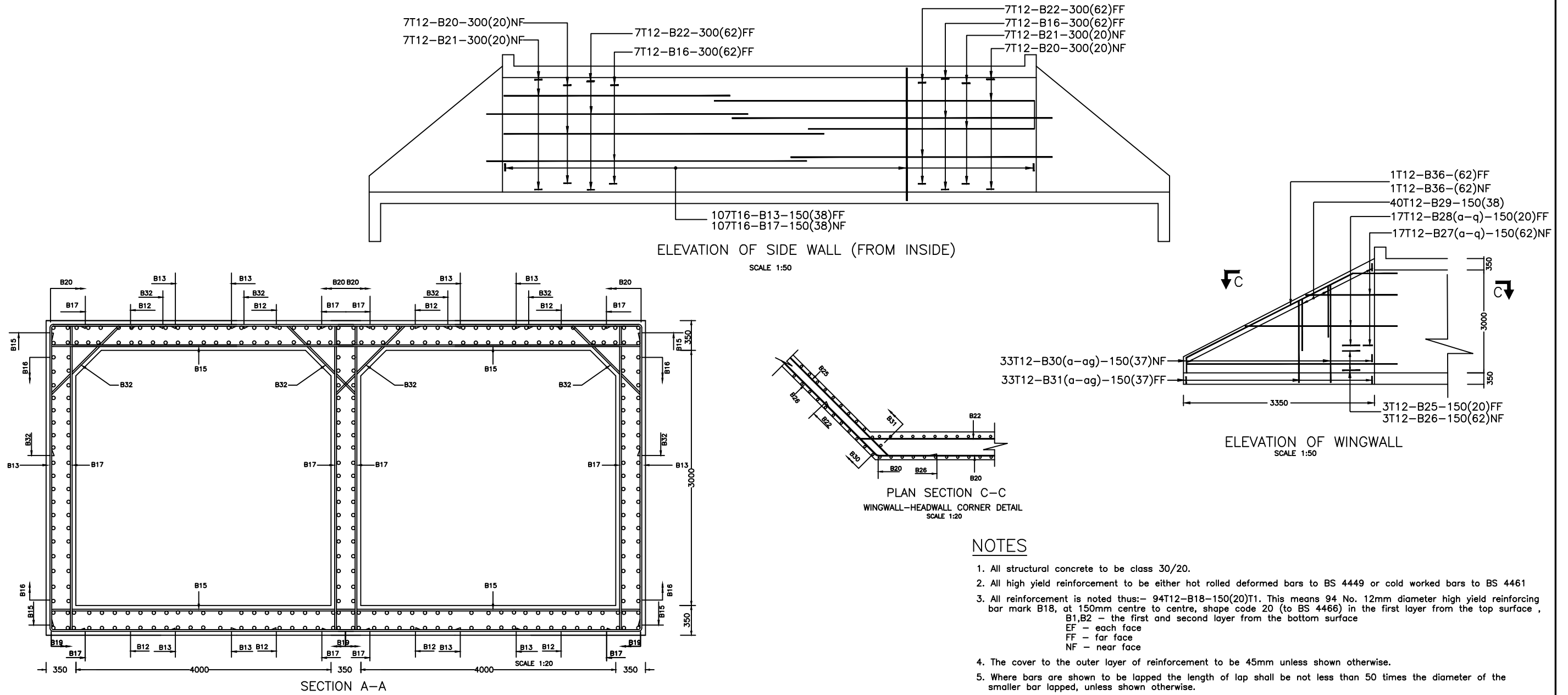


TYPICAL CROSS SECTION IN CUT

AMENDMENTS			LEGEND	CONSULTANT'S DETAIL:	CLIENT'S DETAIL:	DESIGNED		DRAWING TITLE:		PROJECT STATUS						
NR.	DESCRIPTION	DATE				Z. B	DATE	TYPICAL CROSS SECTION FOR DESIGNATED ROAD		PLANNING	DESIGN	CONSTRUCTION	AS-BUILT			
1	REVISION 1	25-02-2006		<p><b>SUIDA &amp; PARTNERS</b> P.O Box 32345, Chichiri, Blantyre 3 Malawi Tel: + 888 343 523/ 999 343 523 Email info@suidamw.com</p>	<p>Southern Africal Trade Connectivity Project, Ministry of Transport and Public Works Capital Hill, Off Chilembwe Road private Bag 322, Lilongwe</p>	DESIGNED BY	DATE	DESCRIPTION OF PROJECT MW-MTPW-544341-CW-RFB/ GRAVELLING, EMBANKMENT FORMATION, SPOT AND DRAINAGE IMPROVEMENT ON KANYENDA VIA MWENDAYENDA SCHEME (UD) ROAD (3KMS) IN DEDZA DISTRICT		<input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> DESIGN <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> AS-BUILT	PLANNING/PROJECT ENGINEER:	DATE	INSPECTOR OF WORKS:	DATE	REMARKS:	ORIGINAL PAPER SIZE: A1
			DESIGNED BY			DATE	DESIGNED BY			DATE	INSPECTOR OF WORKS:	DATE	REMARKS:	ORIGINAL PAPER SIZE: A1		
						DRAWING CHECKED BY	DATE									
						DRAWING APPROVED BY	DATE									
								CONTRACT No.:	PROJECT No.:	SCALE:	DATE:	DRAWING NO.:	SHEET NO.:			
										1:1000	NOVEMBER 2025	CON/2025/SP/SATCP-LM/TS-304	1 OF 1			

# DRAINAGE STRUCTURES





AMENDMENTS			LEGEND		CONSULTANT'S DETAIL:		CLIENT'S DETAIL:		DESIGNED		DRAWING TITLE:		PROJECT STATUS	
NR.	DESCRIPTION	DATE			SUIDA & PARTNERS P.O Box 32345, Chichiri, Blantyre 3 Malawi Tel: + 888 343 523/ 999 343 523 Email info@suidamw.com		Southern Africal Trade Connectivity Project, Ministry of Transport and Public Works Capital Hill, Off Chilembwe Road private Bag 322, Lilongwe		Z. B	DATE	4.0X3.0 BOX CULVERT REINFORCEMENT DETAILS FOR KANYENDA -MWENDAYENDA ROAD		<input type="radio"/> DESIGN <input type="radio"/> CHECKED <input type="radio"/> APPROVED <input type="radio"/> AS BUILT	
1	REVISION 1	25-02-206							DESIGN CHECKED BY	DATE	DESCRIPTION OF PROJECT		PLANNING/PROJECT ENGINEER:	
									Z. B	DATE	MW-MTPW-544341-CW-RFB/ GRAVELLING, EMBANKMENT FORMATION, SPOT AND DRAINAGE IMPROVEMENT ON KANYENDA VIA MWENDAYENDA SCHEME (UD) ROAD (3KMS) IN DEJZA DISTRICT		INSPECTOR OF WORKS:	
									DRAWING CHECKED BY	DATE			REMARKS:	
									F. N. REng	DATE			ORIGINAL PAPER SIZE: A1	
									DRAWING APPROVED BY	DATE	CONTRACT No.:		DRAWING NO.:	
										DATE	PROJECT No.:		SHEET NO.:	
										DATE	SCALE: 1:1000		1 OF 1	
										DATE	NOVEMBER 2025		CON/2025/SP/SATCP-LM/BC-602	

SUIDA AND PARTNERS							BAR SCHEDULE						
This Schedule Complies With BS 4466							Schedule No.			Rev.			
PROJECT:	Box Culvert 4x3 2cell					1 of 1			0				
SITE REF:	See DrG. NO.												
Member	Bar Mark	Type & Size	No. of Mbrs	No. in Each	Total No.	Length (mm)	Shape Code	A (mm)	B (mm)	C (mm)	D (mm)	E/r (mm)	
Cut off Wall	B01(a)	T 12	2	2	4	2685	78	1160	160	200			
	(b)	T 12	2	2	4	2835	78	1160	160	350			
	(c)	T 12	2	2	4	2985	78	1160	160	500			
	(d)	T 12	2	2	4	3135	78	1160	160	650			
	(e)	T 12	2	2	4	3485	78	1160	160	800			
	B02	T 12	2	67	134	3635	78	1160	160	950			
	B03	T 12	2	18	36	3525	20	3500					
	B04	T 12	2	18	36	4125	20	4100					
	B05	T 12	2	18	36	1250	38	600	695				
			Total Weight For Cut off Wall						771	kGs			
Apron	B07(a)	T 12	2	4	8	2625	20	2600					
	(b)	T 12	2	4	8	2925	20	2900					
	(c)	T 12	2	4	8	3225	20	3200					
	(d)	T 12	2	4	8	3525	20	3500					
	(e)	T 12	2	4	8	3825	20	3800					
	(f)	T 12	2	4	8	4125	20	4100					
	(g)	T 12	2	4	8	4425	20	4400					
	(h)	T 12	2	4	8	4725	20	4700					
	(i)	T 12	2	4	8	5025	20	5000					
	(j)	T 12	2	4	8	5325	20	5300					
	(k)	T 12	2	4	8	5625	20	5600					
	(l)	T 12	2	4	8	5925	20	5900					
	(m)	T 12	2	4	8	6225	20	6200					
	(n)	T 12	2	4	8	6525	20	6500					
	(o)	T 12	2	4	8	6825	20	6800					
	(p)	T 12	2	4	8	7125	20	7100					
	(q)	T 12	2	4	8	7425	20	7400					
	(r)	T 12	2	4	8	7725	20	7700					
	(s)	T 12	2	4	8	8025	20	8000					
	(t)	T 12	2	4	8	8325	20	8300					
	(u)	T 12	2	4	8	8625	20	8600					
	(v)	T 12	2	4	8	8925	20	8900					
	(w)	T 12	2	4	8	9225	20	9200					
	(x)	T 12	2	4	8	9525	20	9500					
	(y)	T 12	2	4	8	9825	20	9800					
	B08	T 12	2	20	40	3725	34	3500	100				
	B09(a)	T 12	2	4	8	1175	34	960	100				
	(b)	T 12	2	4	8	1325	34	1110	100				
	(c)	T 12	2	4	8	1475	34	1260	100				
	(d)	T 12	2	4	8	1625	34	1410	100				
	(e)	T 12	2	4	8	1775	34	1560	100				
	(f)	T 12	2	4	8	1925	34	1710	100				
	(g)	T 12	2	4	8	2075	34	1860	100				
	(h)	T 12	2	4	8	2225	34	2010	100				
	(i)	T 12	2	4	8	2375	34	2160	100				
	(j)	T 12	2	4	8	2525	34	2310	100				
	(k)	T 12	2	4	8	2675	34	2460	100				
	(l)	T 12	2	4	8	2825	34	2610	100				
	(m)	T 12	2	4	8	2975	34	2760	100				
	(n)	T 12	2	4	8	3125	34	2910	100				
	(o)	T 12	2	4	8	3275	34	3060	100				
	(p)	T 12	2	4	8	3425	34	3210	100				
	(q)	T 12	2	4	8	3575	34	3360	100				

SUIDA AND PARTNERS							BAR SCHEDULE						
This Schedule Complies With BS 4466							Schedule No.			Rev.			
PROJECT:	Box Culvert 4x3 2cell						1 of 1			0			
SITE REF:							See DrG. NO.						
Member	Bar Mark	Type & Size	No. of Mbrs	No. in Each	Total No.	Length (mm)	Shape Code	A (mm)	B (mm)	C (mm)	D (mm)	E/r (mm)	
	(r)	T 12	2	4	8	3725	34	3510	100				
	(s)	T 12	2	4	8	3875	34	3660	100				
	B10(a)	T 12	2	4	8	775	20	750					
	(b)	T 12	2	4	8	925	20	900					
	(c)	T 12	2	4	8	1075	20	1050					
	(d)	T 12	2	4	8	1225	20	1200					
	(e)	T 12	2	4	8	1375	20	1350					
	(f)	T 12	2	4	8	1525	20	1500					
	(g)	T 12	2	4	8	1675	20	1650					
	(h)	T 12	2	4	8	1825	20	1800					
	(i)	T 12	2	4	8	1975	20	1950					
	(j)	T 12	2	4	8	2125	20	2100					
	(k)	T 12	2	4	8	2275	20	2250					
	(l)	T 12	2	4	8	2425	20	2400					
	(m)	T 12	2	4	8	2575	20	2550					
	(n)	T 12	2	4	8	2725	20	2700					
	(o)	T 12	2	4	8	2875	20	2850					
	(p)	T 12	2	4	8	3025	20	3000					
	(q)	T 12	2	4	8	3175	20	3150					
	(r)	T 12	2	4	8	3175	20	3150					
	B11	T 12	2	20	40	2075	20	2050					
			Total Weight Apron							1913	kGs		
Bottom Slab	B12	T 16	1	107	107	8625	20	8610					
	B15	T 16	1	107	107	8900	38	192	8610	192			
	B19	T 12	1	34	34	8325	20	8300					
	B20	T 12	1	34	34	9525	20	9500					
			Total Weight For Bottom Slab							3500	kGs		
Top Slab	B12	T 16	1	107	107	8625	20	8610					
	B15	T 16	1	107	107	8900	38	192	8610	192			
	B20	T 12	1	34	34	9525	20	9500					
	B21	T 12	1	34	34	7125	20	7100					
	B32	T 12	1	214	214	1850	62	845	600	1000			
			Total Weight For Top Slab							3815	kGs		
Parapete Wall	B33	T 12	2	17	34	2050	73	525	190	800			
	B34	T 12	2	4	8	2625	20	2610					
	B35	T 12	2	4	8	2625	20	2610					
			Total Weight Fo Parapette Wall							99	kGs		
Wing Wall	B25	T 12	4	3	12	5025	20	5000					
	B26	T 12	4	3	12	5525	62	600	425	4900			
	B27 (a)	T 12	4	1	4	850	62	600	425	249			
	(b)	T 12	4	1	4	1150	62	600	425	540			
	(c)	T 12	4	1	4	1450	62	600	425	831			
	(d)	T 12	4	1	4	1725	62	600	425	1122			
	(e)	T 12	4	1	4	2025	62	600	425	1413			
	(f)	T 12	4	1	4	2325	62	600	425	1704			
	(g)	T 12	4	1	4	2600	62	600	425	1995			
	(h)	T 12	4	1	4	2900	62	600	425	2286			
	(i)	T 12	4	1	4	3200	62	600	425	2577			
	(j)	T 12	4	1	4	3475	62	600	425	2868			

SUIDA AND PARTNERS						BAR SCHEDULE						
This Schedule Complies With BS 4466						Schedule No.			Rev.			
PROJECT:	Box Culvert 4x3 2cell					1 of 1			0			
SITE REF:						See DrG. NO.						
Member	Bar Mark	Type & Size	No. of Mbrs	No. in Each	Total No.	Length (mm)	Shape Code	A (mm)	B (mm)	C (mm)	D (mm)	E/r (mm)
	(k)	T 12	4	1	4	3775	62	600	425	3160		
	(l)	T 12	4	1	4	4075	62	600	425	3450		
	(m)	T 12	4	1	4	4350	62	600	425	3740		
	(n)	T 12	4	1	4	4650	62	600	425	4032		
	(o)	T 12	4	1	4	4925	62	600	425	4323		
	(p)	T 12	4	1	4	5225	62	600	425	4614		
	(q)	T 12	4	1	4	5525	62	600	425	4900		
	B28(a)	T 12	4	1	4	350	20	349				
	(b)	T 12	4	1	4	650	20	640				
	(c)	T 12	4	1	4	950	20	931				
	(d)	T 12	4	1	4	1225	20	1222				
	(e)	T 12	4	1	4	1525	20	1513				
	(f)	T 12	4	1	4	1825	20	1805				
	(g)	T 12	4	1	4	2100	20	2095				
	(h)	T 12	4	1	4	2400	20	2390				
	(i)	T 12	4	1	4	2700	20	2680				
	(j)	T 12	4	1	4	2975	20	2970				
	(k)	T 12	4	1	4	3275	20	3260				
	(l)	T 12	4	1	4	3575	20	3550				
	(m)	T 12	4	1	4	3850	20	3840				
	(n)	T 12	4	1	4	4150	20	4130				
	(o)	T 12	4	1	4	4425	20	4420				
	(p)	T 12	4	1	4	4725	20	4710				
	(q)	T 12	4	1	4	5025	20	5005				
	B29	T 12	4	40	160	350	38	300	110			
	B30(a)	T 12	4	1	4	925	37	740	190			
	(b)	T 12	4	1	4	975	37	795	190			
	(c)	T 12	4	1	4	1025	37	855	190			
	(d)	T 12	4	1	4	1075	37	910	190			
	(e)	T 12	4	1	4	1150	37	965	190			
	(f)	T 12	4	1	4	1200	37	1025	190			
	(g)	T 12	4	1	4	1250	37	1080	190			
	(h)	T 12	4	1	4	1325	37	1140	190			
	(i)	T 12	4	1	4	1375	37	1195	190			
	(j)	T 12	4	1	4	1425	37	1250	190			
	(k)	T 12	4	1	4	1475	37	1310	190			
	(l)	T 12	4	1	4	1550	37	1365	190			
	(m)	T 12	4	1	4	1600	37	1420	190			
	(n)	T 12	4	1	4	1650	37	1480	190			
	(o)	T 12	4	1	4	1700	37	1535	190			
	(p)	T 12	4	1	4	1775	37	1590	190			
	(q)	T 12	4	1	4	1825	37	1650	190			
	(r)	T 12	4	1	4	1875	37	1705	190			
	(s)	T 12	4	1	4	1925	37	1760	190			
	(t)	T 12	4	1	4	2000	37	1820	190			
	(u)	T 12	4	1	4	2050	37	1875	190			
	(v)	T 12	4	1	4	2100	37	1930	190			
	(w)	T 12	4	1	4	2175	37	1990	190			
	(x)	T 12	4	1	4	2225	37	2045	190			
	(y)	T 12	4	1	4	2275	37	2105	190			
	(z)	T 12	4	1	4	2325	37	2160	190			
	(aa)	T 12	4	1	4	2400	37	2220	190			
	(ab)	T 12	4	1	4	2450	37	2275	190			

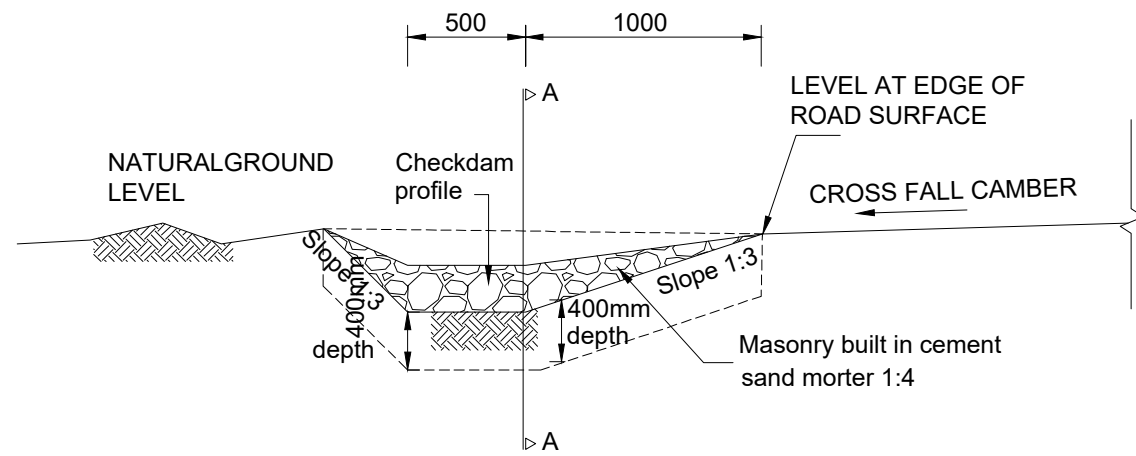
SUIDA AND PARTNERS							BAR SCHEDULE						
This Schedule Complies With BS 4466							Schedule No.			Rev.			
PROJECT:	Box Culvert 4x3 2cell					1 of 1			0				
SITE REF:	See DrG. NO.												
Member	Bar Mark	Type & Size	No. of Mbrs	No. in Each	Total No.	Length (mm)	Shape Code	A (mm)	B (mm)	C (mm)	D (mm)	E/r (mm)	
	(ac)	T 12	4	1	4	2500	37	2330	190				
	(ad)	T 12	4	1	4	2575	37	2390	190				
	(ae)	T 12	4	1	4	2625	37	2445	190				
	(af)	T 12	4	1	4	2675	37	2500	190				
	(ag)	T 12	4	1	4	2725	37	2560	190				
	B31(a)	T 12	4	1	4	925	37	740	190				
	(b)	T 12	4	1	4	975	37	795	190				
	(c)	T 12	4	1	4	1025	37	855	190				
	(d)	T 12	4	1	4	1075	37	910	190				
	(e)	T 12	4	1	4	1150	37	965	190				
	(f)	T 12	4	1	4	1200	37	1025	190				
	(g)	T 12	4	1	4	1250	37	1080	190				
	(h)	T 12	4	1	4	1325	37	1140	190				
	(i)	T 12	4	1	4	1375	37	1195	190				
	(j)	T 12	4	1	4	1425	37	1250	190				
	(k)	T 12	4	1	4	1475	37	1310	190				
	(l)	T 12	4	1	4	1550	37	1365	190				
	(m)	T 12	4	1	4	1600	37	1420	190				
	(n)	T 12	4	1	4	1650	37	1480	190				
	(o)	T 12	4	1	4	1700	37	1535	190				
	(p)	T 12	4	1	4	1775	37	1590	190				
	(q)	T 12	4	1	4	1825	37	1650	190				
	(r)	T 12	4	1	4	1875	37	1705	190				
	(s)	T 12	4	1	4	1925	37	1760	190				
	(t)	T 12	4	1	4	2000	37	1820	190				
	(u)	T 12	4	1	4	2050	37	1875	190				
	(v)	T 12	4	1	4	2100	37	1930	190				
	(w)	T 12	4	1	4	2175	37	1990	190				
	(x)	T 12	4	1	4	2225	37	2045	190				
	(y)	T 12	4	1	4	2275	37	2105	190				
	(z)	T 12	4	1	4	2325	37	2160	190				
	(aa)	T 12	4	1	4	2400	37	2220	190				
	(ab)	T 12	4	1	4	2450	37	2275	190				
	(ac)	T 12	4	1	4	2500	37	2330	190				
	(ad)	T 12	4	1	4	2575	37	2390	190				
	(ae)	T 12	4	1	4	2625	37	2445	190				
	(af)	T 12	4	1	4	2675	37	2500	190				
	(ag)	T 12	4	1	4	2725	37	2560	190				
	B36	T 12	4	2	8	1225	62	600	425	600			
			Total Weight For Wing Wall							954	kGs		
Side Walls	B13	T 16	3	107	321	5425	38	950	3610	950			
	B17	T 16	3	107	321	3925	38	200	3610	200			
	B16	T 12	3	14	42	9525	62	600	425	8900			
	B22	T 12	3	14	42	8325	62	600	425	7700			
	B20	T 12	3	14	42	9525	20	9500					
	B21	T 12	3	14	42	7125	20	7100					
			Total Weight For Wing Wall							6026	kGs		
			TOTAL WEIGHT FOR BENDIND SCHEDULE							17078	kGs		

# STANDARD DRAWINGS

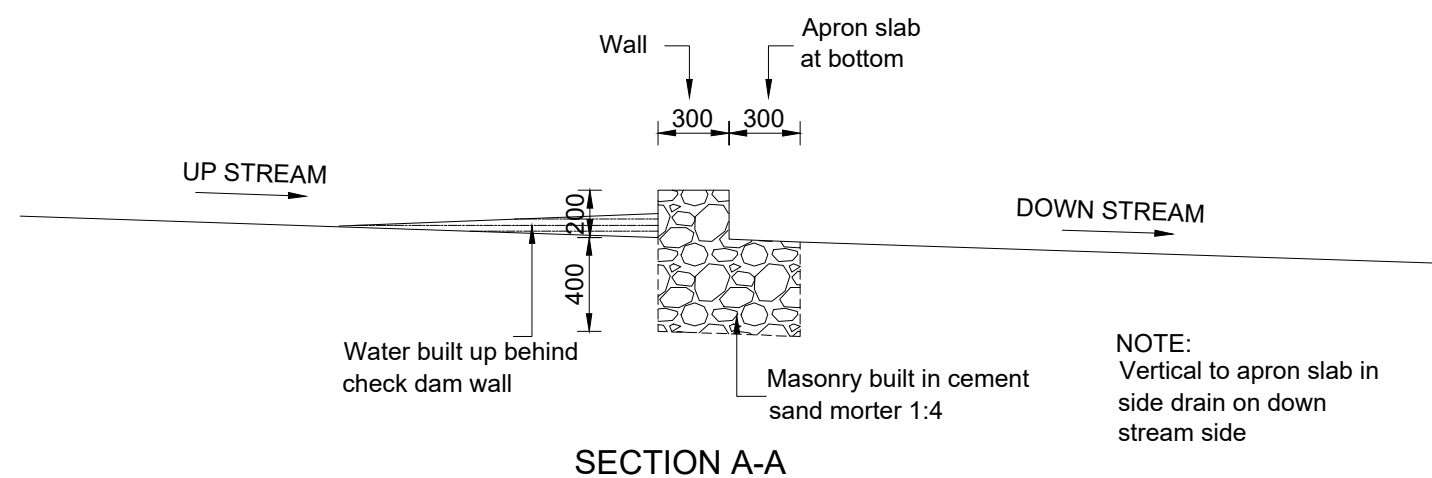
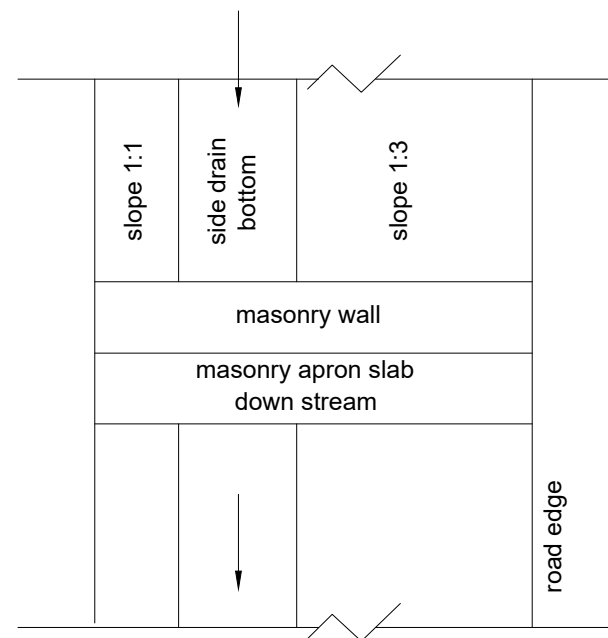
NOTE: Check dam to be used where soil is erodable and as indicated in the table below

TABLE SCOUR CHECK SPACING

GRADIENT OF ROAD (%)	SCOUR CHECK INTERNAL (m)
3	Not Required
4	17
5	13
6	10
7	8
8	7
9	6
10	5
12	4

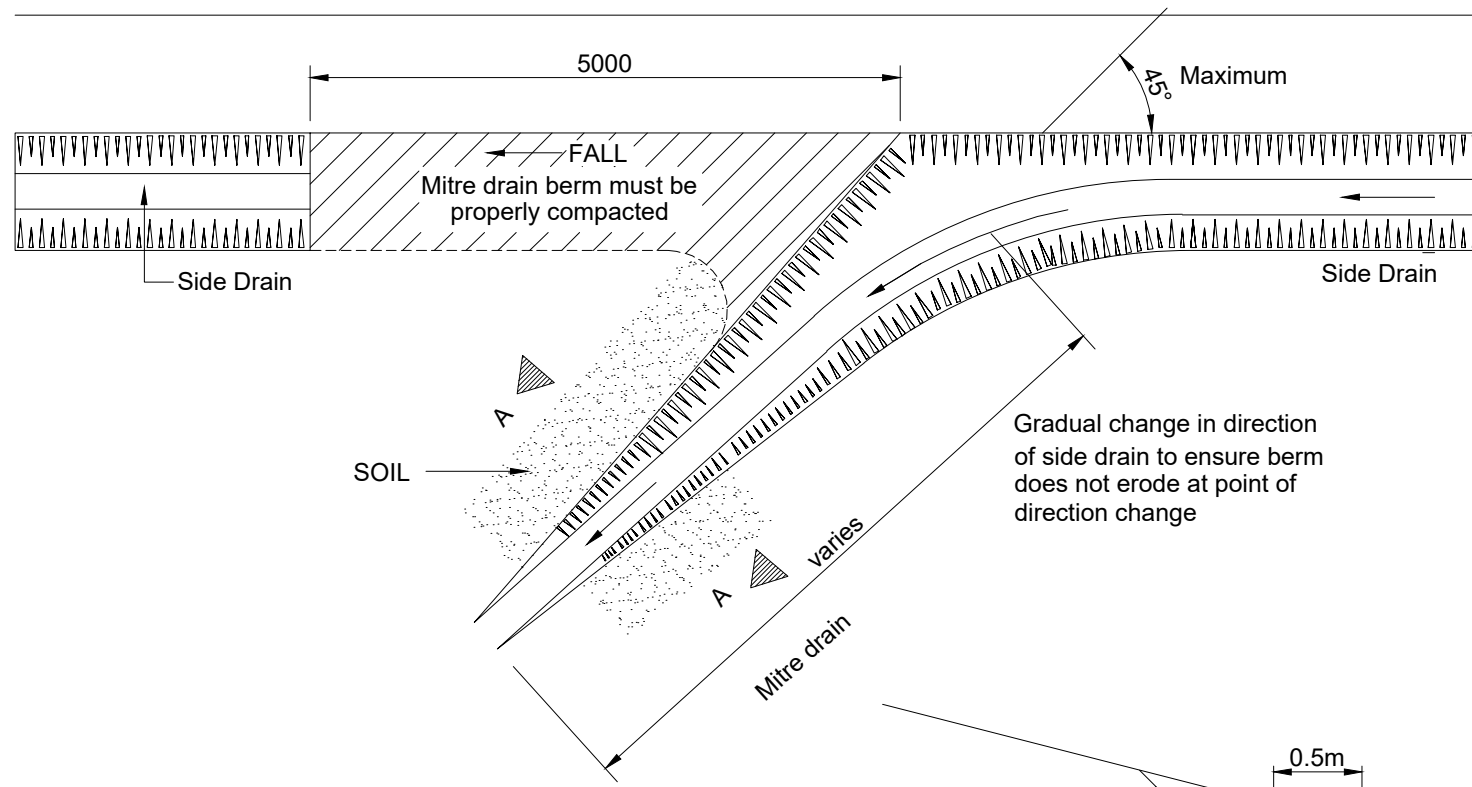


SIDE DRAIN ELEVATION WITH CHECK DAM CONSTRUCTED

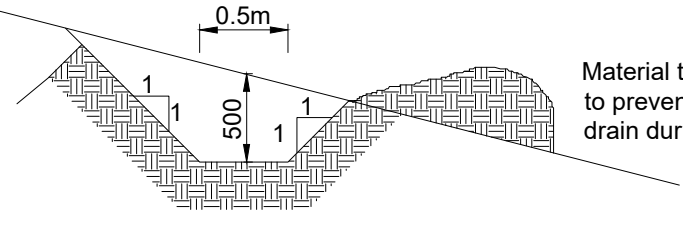


SECTION A-A

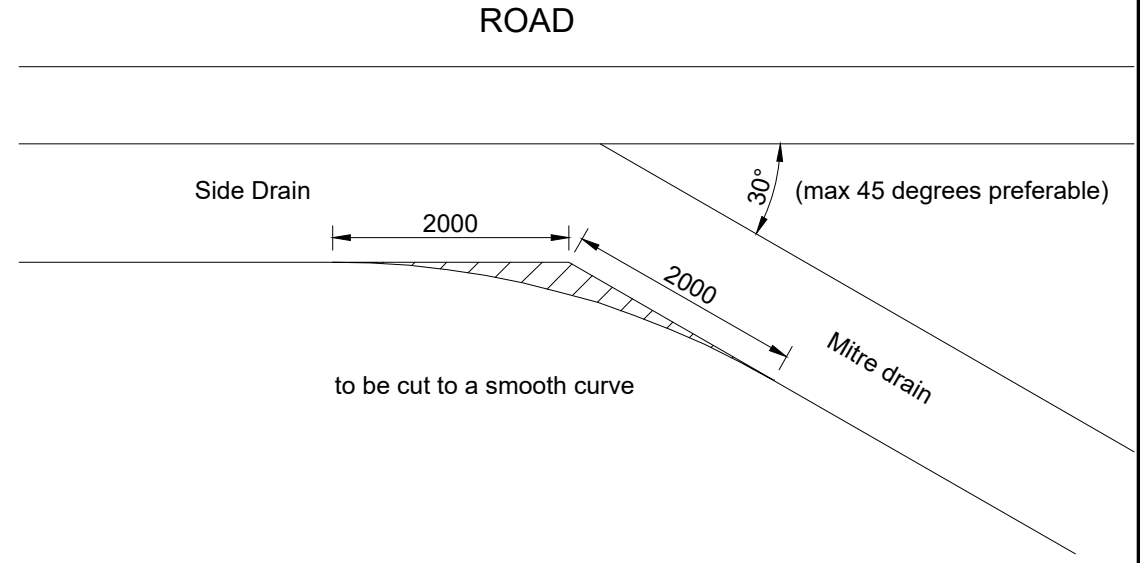
AMENDMENTS			PLAN	CONSULTANT'S DETAIL:	CLIENT'S DETAIL:	DESIGNED Z. B	DRAWING TITLE: TYPICAL DETAILS OF MASONRY CHECK DAMS	PROJECT STATUS					
NR.	DESCRIPTION	DATE						DESIGNED BY Z. B	DESIGNED DATE	DESIGNED	REVISION	DATE	DATE
1	REVISION 1	25-02-2018		 <b>SUIDA &amp; PARTNERS</b> P.O Box 32345, Chichiri, Blantyre 3 Malawi Tel: + 888 343 523/ 999 343 523 Email info@suidamw.com	 Southern Africal Trade Connectivity Project, Ministry of Transport and Public Works Capital Hill, Off Chilembwe Road private Bag 322, Lilongwe	F. N. RENg DATE: _____ DRAWING CHECKED BY F. N. RENg DATE: _____ DRAWING APPROVED BY MINISTRY DATE: _____	MW-MTPW-544341-CW-RFB/ GRAVELLING, EMBANKMENT FORMATION, SPOT AND DRAINAGE IMPROVEMENT ON KANYENDA VIA MWENDAYENDA SCHEME (UD) ROAD (gkmS) IN DEDZA DISTRICT	<input type="checkbox"/> CONSULTANT DRAWING <input checked="" type="checkbox"/> DESIGN DRAWING <input type="checkbox"/> PROPOSED FOR CONSTRUCTION DRAWING <input type="checkbox"/> AS-BUILT DRAWING	PLANNING/PROJECT ENGINEER: _____ DATE: _____	INSPECTOR OF WORKS: _____ DATE: _____	REMARKS: _____	ORIGINAL PAPER SIZE: A1	
												DRAWING NO: CON/2025/SP/SATCP-LM/DRN-01	SHEET NO: 1 OF 1



PLAN OF COMPLETED MITRE DRAIN

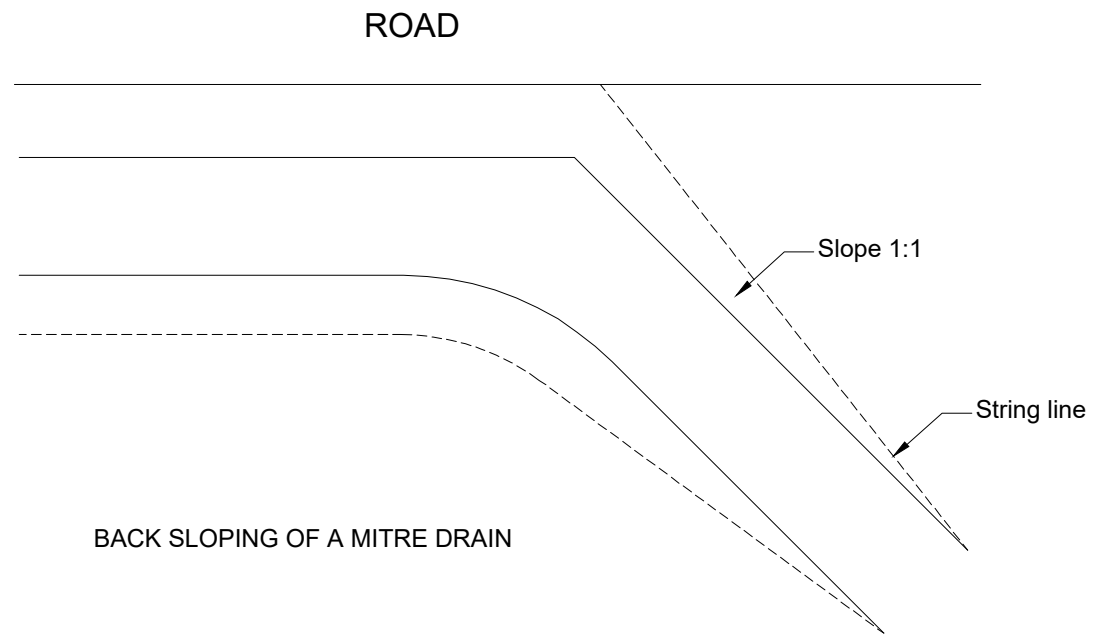


SECTION A-A





SPACING OF MITRES

Longitudinal Road Gradient (%)	Maximum Mitre Drain Interval (M)
12	40
10	80
8	120
6	150
4	200



BACK SLOPING OF A MITRE DRAIN

<b>AMENDMENTS</b> NR. DESCRIPTION DATE 1 REVISION 1 25-02-2018			<b>LEGEND</b>			<b>CONSULTANT'S DETAIL:</b>  <b>SUIDA &amp; PARTNERS</b> P.O Box 32345, Chichiri, Blantyre 3 Malawi Tel: + 888 343 523/ 999 343 523 Email info@suidamw.com			<b>CLIENT'S DETAIL:</b>  Southern Africa Trade Connectivity Project, Ministry of Transport and Public Works Capital Hill, Off Chilembwe Road private Bag 322, Lilongwe			<b>DESIGNED:</b> Z. B <b>DESIGN CHECKED BY:</b> F. N. REng <b>DRAWN:</b> Z. B <b>DRAWING CHECKED BY:</b> F. N. REng <b>DRAWING APPROVED BY:</b> F. N. REng			<b>DRAWING TITLE:</b> TYPICAL DETAILS OF MASONRY MITRE DRAIN <b>DESCRIPTION OF PROJECT:</b> MW-MTPW-544341-CW-RFB/ GRAVELLING, EMBANKMENT FORMATION, SPOT AND DRAINAGE IMPROVEMENT ON KANYENDA VIA MWENDAYENDA SCHEME (UD) ROAD (3KMS) IN DEDZA DISTRICT			<b>PROJECT STATUS</b> PLANNING PROJECT ENGINEER: _____ INSPECTOR OF WORKS: _____ REMARKS: _____ ORIGINAL PAPER SIZE: A1		
									CONTRACT No.: _____ PROJECT No.: _____ SCALE: 1:1000 DATE: NOVEMBER 2025 DRAWING NO.: CON/2025/SP/SATCP-LM/DRN-02 SHEET NO: 1 OF 1											

# ROAD INVENTORY

**DISTRICT - DEDZA**

**DATA COLLECTED ON: 06/OCT/2025**

**UPDATED ON:**

**KANYENDA VIA MENDAYEKHA SCHOOL (UD) ROAD**

<b>Chainage</b>		<b>DESCRIPTION</b>
<b>FROM</b>	<b>TO</b>	
0+000		<b>KANYENDA</b>
2+490	2+630	Reshape section, provide earth drains and Scour checks -LHS and RHS
2+630	3+000	Horizotal curve re-alignment, Provide retaining wall - RHS,
3+000		Provide a Box Culvert - 4m x 3m - 2 cells, fill approaches
3+000		<b>END</b>

**LIST OF STRUCTURES**

**DISTRICT - DEDZA**

**DATA COLLECTED ON: 06/OCT/2025**  
**UPDATED ON:**

**KANYENDA VIA MWENDAYEKHA SCHEME (UD) ROAD**

**LIST OF STRUCTURES**

Chainage	DESCRIPTION	ACTION
0+000	<b>KANYENDA</b>	
2+450	Existing Concrete pipe culver (600mm Dia 1 line)	requires repairing of 2No. Headwall and Cleaning
3+000	Provide a Box Culvert - 4m x 3m -	2 cells, fill approaches
	<b>TOTAL</b>	