APPENDIX-V

No. of Training Participants

Number of Participants of E-COBSI Activities in 2019, 2020, 2021,2022 and 2023

Northern province (FU province)

Year	Year 2019					Year 2020					Year 2021					Year 2022			Year 2023			
Training	**ISW**	**TOT**	**KOT**	**MTT**	**AEW**	**MST**	**KOT Pre WS**	**Joint KOT&MTT**	**AEW (1st Batch)**	**AEW (2nd Batch)**	**KOT (1st Batch)**	**KOT (2nd Batch)**	**MTT (1st Batch)**	**MTT (2nd Batch)**	**AEW**	**MST&KOT**	**MTT**	**AEW**	**MST**	**KOT**	**MTT**	**AEW**
Date	Jan 29, 2019	March 6 to 8, 2019 (3 days)	Mar 18 to 22, 2019 (5 days)	Jul 8 to 11, 2019 (4 days)	Nov 18 to 19, 2019 (2 days)	Jan 22 to 24, 2020 (3 days)	Mar 13 to 14, 2020 (2 days)	Jul 20 to 23, 2020 (4 days)	Nov 24, 2020 (1 day)	Nov 25, 2020 (1 day)	April 26th to 30th, 2021 (5 days)	May 17th to 21st, 2021 (5 days)	Oct 26th to 28th, 2021 (3 days)	Nov 1st to 3rd, 2021 (3 days)	December 2nd to 3rd, 2021 (2 days)	April 4th to 8th, 2022 (5 days)	August 16th to 19th, 2022	December 5th to 6th, 2022	January 25th to 27th, 2023	March 28th to 31st, 2023	August 16th to 18th, 2023	Novemver 23d to 24th, 2023
Venue	Kasama	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	MAFF site in Mpika	Kasama	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute	Kasama Farm Instutute
Northern Provincial officer	17	8	9	9	9	8	9	7	8	10	10	10	7	7	7	8	8	6	6	7	7	7
District officer in Northern province	18	0	41	40	33	12	1	24	14	15	13	16	17	20	35	21	29	32	25	29	29	41
BEO/CEO in Northern	0	0	25	25	26	13	0	14	6	7	5	6	6	6	11	15	18	22	32	33	34	32
Subtotal	**35**	**8**	**75**	**74**	**68**	**33**	**10**	**45**	**28**	**32**	**28**	**32**	**30**	**33**	**53**	**44**	**55**	**60**	**63**	**69**	**70**	**80**
(Male)	26	4	54	50	42	#N/A	4	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
(Female)	9	4	22	24	26	#N/A	6	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
HQ MOA	2	2	1	1	1	0	0	1	2	0	1	1	1	0	0	0	0	0	0	0	0	0
JOCV	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**37**	**10**	**81**	**79**	**69**	**33**	**10**	**46**	**30**	**32**	**29**	**33**	**31**	**33**	**53**	**44**	**55**	**60**	**63**	**69**	**70**	**80**

Luapula province (FU province)

Year	Year 2019					Year 2020					Year 2021					Year 2022			Year 2023			
Training	**ISW**	**TOT**	**KOT**	**MTT**	**AEW**	**MST**	**KOT Pre WS**	**Joint KOT&MTT**	**AEW (1st Batch)**	**AEW (2nd Batch)**	**KOT (1st Batch)**	**KOT (2nd Batch)**	**MTT**	**AEW (1st Batch)**	**AEW (2nd Batch)**	**MST&KOT**	**MTT**	**AEW**	**MST**	**KOT**	**MTT**	**AEW**
Date	Jan 29, 2019	March 6 to 8, 2019 (3 days)	Mar 18 to 22, 2019 (5 days)	Jul 9 to 12, 2019 (4 days)	Nov 18 to 19, 2019 (2 days)	Jan 27 to 29, 2020 (3 days)	Mar 13 to 14, 2020 (2 days)	Jul 20 to 23, 2020 (4 days)	Nov 30, 2020 (1 day)	Dec 1, 2020 (1 day)	May 5th to 9th, 2021 (5 days)	May 10th to 14th, 2021 (5 days)	Oct 12nd to 14th, 2021 (3 days)	Dec 7th, 2021 (1 day)	Dec 8th, 2021 (1 day)	April 11st to 15th, 2022 (5 days)	August 7th to 11th, 2022	December 7th to 8th, 2022	February 8th to 10th, 2023	April 11th to 14th, 2023	August 9th to 11th, 2023	Novemver 23d to 24th, 2023
Venue	Kasama	Kasama Farm Instutute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Kasama	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute	Mansa Farm Institute
Luapula Provincial officer	9	8	10	10	6	6	10	9	7	7	7	8	6	6	6	7	7	9	10	8	8	5
District officer in Luapula	16	0	40	35	29	9	0	18	12	13	12	11	32	23	7	17	26	30	15	14	26	32
CEO in Luapula	0	0	24	25	24	11	0	11	4	7	6	4	10	8	1	14	15	19	35	30	28	28
Subtotal	**25**	**8**	**74**	**70**	**59**	**26**	**10**	**38**	**23**	**27**	**25**	**23**	**48**	**37**	**14**	**38**	**48**	**58**	**60**	**52**	**62**	**65**
(Male)	22	7	54	51	43	#N/A	10	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
(Female)	3	1	19	18	15	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Master of Trainers Team	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HQ MOA	0	0	1	1	0	1	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	0
Other	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**25**	**8**	**75**	**73**	**60**	**28**	**10**	**39**	**24**	**28**	**26**	**24**	**49**	**38**	**14**	**39**	**48**	**58**	**60**	**52**	**62**	**65**

Muchinga province (FU province)

Year	Year 2019					Year 2020						Year 2021				Year 2022			Year 2023			
Training	**ISW**	**TOT**	**KOT**	**MTT**	**AEW**	**MST**	**KOT Pre WS**	**Joint KOT&MTT (1st Batch)**	**Joint KOT&MTT (2nd Batch)**	**AEW (1st Batch)**	**AEW (2nd Batch)**	**KOT (1st Batch)**	**KOT (2nd Batch)**	**MTT**	**AEW**	**MST&KOT**	**MTT**	**AEW**	**MST**	**KOT**	**MTT**	**AEW**
Date	Jan 29, 2019	March 6 to 8, 2019 (3 days)	Mar 25 to 29, 2019 (5 days)	Jul 3 to 6, 2019 (4 days)	Nov 21 to 22, 2019 (2 days)	Jan 22 to 24, 2020 (3 days)	Mar 13 to 14, 2020 (2 days)	Jul 14 to 17, 2020 (4 days)	Jul 18 to 21, 2020 (4 days)	Nov 28, 2020 (1 day)	Nov 29, 2020 (1 day)	April 26th to 30th, 2021 (5 days)	May 3rd to 7th, 2021 (5 days)	Oct 13th to 15th, 2021 (3 days)	Dec 7th to 8th, 2021 (2 days)	April 4th to 8th, 2022 (5 days)	August 9th to 12th, 2022	December 1st to 2nd, 2022	February 25th to 27th, 2023	April 3rd to 6th, 2023	August 14th to 16th, 2023	November 20th to 21st, 2023
Venue	Kasama	Kasama Farm Instutute	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	Kasama	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	ISOKA FTC	ISOKA FTC	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika	MAFF site in Mpika
Muchinga provincial officer	5	8	8	7	8	9	7	7	7	7	7	8	8	7	7	7	7	8	8	8	9	9
District officer in Muchinga	10	0	35	35	30	9	0	10	8	12	10	12	9	28	28	15	21	26	27	27	30	29
CEO in Muchinga	1	0	20	20	18	8	0	4	4	4	4	4	4	8	7	11	10	15	19	18	20	20
Subtotal	**16**	**8**	**63**	**62**	**56**	**26**	**7**	**21**	**19**	**23**	**21**	**24**	**21**	**43**	**42**	**33**	**38**	**49**	**54**	**53**	**59**	**58**
(Male)	15	7	46	44	38	#N/A	6	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
(Female)	1	1	17	18	18	#N/A	1	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Master of Trainers Team	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HQ MOA	0	0	0	1	1	0	0	1	0	1	0	1	0	1	1	1	0	0	0	0	0	0
JOCV	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**16**	**8**	**63**	**65**	**57**	**26**	**7**	**22**	**19**	**24**	**21**	**25**	**21**	**44**	**43**	**34**	**38**	**49**	**54**	**53**	**59**	**58**

Copperbelt province (New target province)

Year	Year 2019					Year 2020						Year 2021								Year 2022			Year 2023		
Training	**ISW**	**TOT**	**KOT**	**MTT**	**AEW**	**KOT Pre WS**	**KOT**	**MTT (1st Batch)**	**MTT (2nd Batch)**	**AEW (1st Batch)**	**AEW (2nd Batch)**	**KOT (1st Batch)**	**KOT (2nd Batch)**	**MTT (1st Batch)**	**MTT (2nd Batch)**	**AEW (1 Batch)**	**AEW (2 Batch)**	**Permanent Wire (1st Batch)**	**Permanent Wire (2nd Batch)**	**Impremention of Permanent Wire**	**MST&KOT**	**MTT**	**AEW**	**KOT**	**MTT**	**AEW**
Date	Feb 5, 2019	Apr 24 to 26, 2019 (3 days)	Apr 30 to May 3, 2019 (4 days)	Jul 16 to Jul 19, 2019 (4 days)	Nov 25 to 26, 2019 (2 days)	Feb 12 to 14, 2020 (3 days)	Mar 2 to 6, 2020 (5 days)	Aug 19 to 21, 2020 (3 days)	Aug 26 to 28, 2020 (3 days)	Nov 24, 2020 (1 day)	Nov 27, 2020 (1 day)	May 3rd to 7th, 2021 (5 days)	May 10th to 14th, 2021 (5 days)	Oct 25th to 27th, 2021 (3 days)	Oct 28th to 30th, 2021 (3 days)	Dec 2nd, 2021 (1 day)	Dec 3rd, 2021 (1 day)	Oct 19th-22th, 2021 (4 days)	Nov 15th-19th, 2021 (5 days)	Nov 8th-10th, 2021 (3 days)	April 4th to 8th, 2022 (5 days)	August 9th to 12th, 2022 (4 days)	December 1st to 2nd, 2022 (2 days)	March 20th to 24th, 2023	August 15th to 18th, 2023	Novemver 23rd to 24th, 2023
Venue		Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Ndola	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Copperbelt site	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute
Copperbelt provincial officer	12	4	5	7	8	7	12	6	7	8	8	9	9	8	7	8	8	3	3	3	8	7	7	7	8	8
District officer in Copperbelt	20	0	39	38	20	0	29	15	13	14	14	16	15	21	18	19	20	3	3	3	32	36	37	37	31	39
CEO in Copperbelt	0	0	30	30	27	0	30	15	15	15	12	14	12	14	16	14	15	0	0	0	28	32	38	39	39	38
Subtotal	**32**	**4**	**74**	**75**	**55**	**7**	**71**	**36**	**35**	**37**	**34**	**39**	**36**	**43**	**41**	**41**	**43**	**6**	**6**	**6**	**68**	**75**	**82**	**83**	**78**	**85**
(Male)	25	4	56	47	38	6	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
(Female)	7	0	18	28	16	1	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Master of Trainers Team	0	3	3	4	0	6	2	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0
HQ MOA	3	0	1	1	1	2	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	**35**	**7**	**78**	**80**	**56**	**15**	**74**	**37**	**35**	**37**	**35**	**39**	**36**	**44**	**41**	**41**	**43**	**8**	**8**	**6**	**68**	**75**	**82**	**83**	**78**	**85**

Northwestern province (New target province)

Year	Year 2019					Year 2020						Year 2021									Year 2022			Year 2023		
Training	**ISW**	**TOT**	**KOT**	**MTT**	**AEW**	**KOT Pre WS**	**KOT**	**MTT (1st Batch)**	**MTT (2nd Batch)**	**AEW (1st Batch)**	**AEW (2nd Batch)**	**KOT (1st Batch)**	**KOT (2nd Batch)**	**MTT (1st Batch)**	**MTT (2nd Batch)**	**AEW (1 Batch)**	**AEW (2 Batch)**	**Permanent Wire (1st Batch)**	**Permanent Wire (2nd Batch)**	**Impremention of Permanent Wire**	**MST&KOT**	**MTT**	**AEW**	**KOT**	**MTT**	**AEW**
Date	Feb 5, 2019	Apr 24 to 26, 2019 (3 days)	May 6 to 9, 2019 (4 days)	Jul 15 to 18, 2019 (4 days)	Nov 28 to 29, 2019 (2 days)	Feb 12 to 14, 2020 (3 days)	Feb 24 to 28, 2020 (5 days)	Aug 18 to 20, 2020 (3 days)	Aug 24 to 26, 2020 (3 days)	Nov 25, 2020 (1 day)	Nov 30, 2020 (1 day)	April 26th to 30th, 2021 (5 days)	May 3rd to 7th, 2021 (5 days)	Oct 6th to 8th, 2021 (3 days)	Oct 11st to 13th, 2021 (3 days)	Dec 6th, 2021 (1 day)	Dec 7th, 2021 (1 day)	Oct 19th-22th, 2021 (4 days)	Nov 15th-19th, 2021 (5 days)	Oct 31st- Nov 5th, 2021 (3 days)	April 11th to 15th, 2022 (5 days)	August 15th to 18th, 2022 (4 days)	December 5th to 6th, 2022 (2 days)	March 28th to 31st, 2023	August 15th to 18th, 2023	November 23rd to 24th, 2023
Venue		Masaiti Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Ndola	Masaiti Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Masaiti Farm Institute	Masaiti Farm Institute	Candidate site	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute	Chakufuma Farm Institute
Northwestern provincial officer	10	5	4	5	5	8	8	4	6	7	5	7	5	7	7	7	7	2	2	2	6	7	7	6	8	5
District officer in Northwestern	12	1	33	41	17	0	23	14	12	12	10	12	8	16	16	15	15	3	3	3	24	32	29	30	23	35
CEO in Northwestern	0	0	24	22	20	0	24	12	12	12	12	12	12	12	12	11	12	0	0	0	24	24	28	29	28	24
Subtotal	**22**	**6**	**61**	**68**	**42**	**8**	**55**	**30**	**30**	**31**	**27**	**31**	**25**	**35**	**35**	**33**	**34**	**5**	**5**	**5**	**54**	**63**	**64**	**65**	**59**	**64**
(Male)	20	5	49	49	38	6	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
(Female)	1	0	9	17	2	1	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Master of Trainers Team	1	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
HQ MOA	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**23**	**8**	**65**	**72**	**42**	**8**	**55**	**31**	**30**	**32**	**27**	**31**	**25**	**35**	**35**	**33**	**34**	**5**	**5**	**6**	**54**	**63**	**64**	**65**	**59**	**64**

Central province (New target province)

Year	Year 2019					Year 2020				Year 2021						Year 2022			Year 2023		
Training	**ISW**	**TOT**	**KOT**	**MTT**	**AEW**	**KOT Pre WS**	**KOT**	**MTT**	**AEW**	**KOT**	**MTT**	**AEW**	**Permanent Wire (1st Batch)**	**Permanent Wire (2nd Batch)**	**Impremention of Permanent Wire**	**MST&KOT**	**MTT**	**AEW**	**KOT**	**MTT**	**AEW**
Date	Feb 5, 2019	Apr 24 to 26, 2019 (3 days)	May 6 to 9, 2019 (4 days)	Jul 22 to 25, 2019 (4 days)	Dec 1 to 2, 2019 (2 days)	Feb 12 to 14, 2020 (3 days)	Feb 24 to 28, 2020 (5 days)	Aug 17 to 19, 2020 (3 days)	Nov 26, 2020 (1 day)	May 3rd to 7th, 2021 (5 days)	Oct 11st to 13th, 2021 (3 days)	Dec 2nd to 3th, 2021 (2 days)	Oct 19th-22th, 2021 (4 days)	Nov 15th-19th, 2021 (5 days)	Nov 2nd- 4th, 2021 (3 days)	April 4th to 8th, 2022 (5 days)	August 9th to 12th, 2022 (4 days)	November 30th, 2022 (1 day)	March 28th to 31st, 2023	August 15th to 18th, August	November 21st, 2023
Venue		Masaiti Farm Institute	Serenje Farmer Training Center	Serenje Farmer Training Center	Serenje Farmer Training Center	Ndola	Masaiti Farm Institute	Serenje Farmer Training Center	Serenje Farmer Training Center	Serenje Farmer Training Center	Serenje Farmer Training Center	Serenje Farmer Training Center	Masaiti Farm Institute	Masaiti Farm Institute	Candidate site	Serenje Farmer Training Center	Serenje Farmer Training Center	Serenje Farmer Training Center	Serenje Farmer Training Center	Serenje Farmer Training Center	Serenje Farmer Training Center
Central provincial officer	10	4	4	4	7	8	6	6	6	8	7	7	3	3	3	6	7	7	7	9	9
District officer in Central	10	0	13	15	6	0	9	9	9	10	13	13	2	2	2	10	12	7	9	6	9
CEO in Central	0	0	9	10	10	0	9	9	8	7	7	7	0	0	0	8	9	8	8	8	7
Subtotal	**20**	**4**	**26**	**29**	**23**	**8**	**24**	**24**	**23**	**25**	**27**	**27**	**5**	**5**	**5**	**24**	**28**	**22**	**24**	**23**	**25**
(Male)	15	4	20	20	19	8	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
(Female)	5	0	5	8	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Master of Trainers Team	0	2	4	5	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HQ MOA	1	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**21**	**6**	**31**	**36**	**24**	**10**	**28**	**25**	**24**	**25**	**27**	**27**	**5**	**5**	**5**	**24**	**28**	**22**	**24**	**23**	**25**

COBSI Research

Year	Year 2023		
Training	**KOT**	**MTT**	**AEW**
Date	Mar 20 to 24, 2023 (5 days)	August 22nd to 25th, 2023	November 23rd to 24th, 2023
Venue	Peniel Executive Lodge	Peniel Executive Lodge	Peniel Executive Lodge
Central provincial officer	6	7	9
District officer in Central	19	20	10
CEO in Central	45	41	42
Subtotal	**70**	**68**	**61**
(Male)			
(Female)			
Master of Trainers Team	0	0	0
HQ MOA	0	0	0
Other	0	0	0
Total	**70**	**68**	**61**

Summary of E-COBSI target province

Year	Year 2019					Year 2020					Year 2021						Year 2022			Year 2023			
Training	**ISW**	**TOT**	**KOT**	**MTT**	**AEW**	**MST**	**KOT Pre WS**	**KOT**	**MTT**	**AEW**	**KOT**	**MTT**	**AEW**	**Permanent Wire (1st Batch)**	**Permanent Wire (2nd Batch)**	**Impremention of Permanent Wire**	**MST & KOT**	**MTT**	**AEW**	**MST**	**KOT**	**MTT**	**AEW**
Provincial officer	63	37	40	42	43	23	49	56	59	80	89	69	57	8	8	8	42	43	44	24	49	56	52
District officer	86	1	201	204	135	30	1	121	123	135	134	204	152	8	8	8	119	156	161	67	165	165	195
BEO/CEO	1	0	132	132	125	32	0	96	96	91	86	99	78	0	0	0	100	108	130	86	202	198	191
Subtotal	**150**	**38**	**373**	**378**	**303**	**85**	**50**	**273**	**278**	**306**	**309**	**372**	**287**	**16**	**16**	**16**	**261**	**307**	**335**	**177**	**416**	**419**	**438**
(Male)	123	31	279	261	218	#N/A	40	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
(Female)	26	6	90	113	80	#N/A	9	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Master of Trainers Team	1	7	10	14	0	1	8	6	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0
HQ MOA	6	2	5	5	5	1	2	4	6	8	5	5	1	0	0	0	2	0	0	0	0	0	0
JOCV	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**157**	**47**	**393**	**405**	**308**	**87**	**60**	**283**	**284**	**314**	**314**	**377**	**288**	**18**	**18**	**17**	**263**	**307**	**335**	**177**	**416**	**419**	**438**

APPENDIX-VI

Results of the Nutrition Survey (Baseline and Endline)

(Explanation of terms)

FCS: Dietary diversification assessment index using a questionnaire developed by WFP-VAM (WFP, 2008). Using the questionnaire created in the T-COBSI impact survey, the Project asked participants about the number of times they consumed each item per week and scored them. FCS scores are broadly divided into three categories, and those below 21 are considered to have poor dietary diversity. A lack of dietary diversity increases the likelihood of malnutrition.

Indicator standards of FCS

FCS	Profiles
0-21	Poor
21.5-35	Borderline
>35	Acceptable

CSI: Nutrient intake is an essential act in people's lives, but when there is no money or food, each household's behavior is questioned. In scoring food insecurity, this CSI can be used to give higher marks to unsafe behaviors. The weighting of the score is based on the following table and is calculated according to a survey table prepared by the surveyor, taking into account the customs of the area. No criteria have been established. If the value is relatively high, food shortages are serious.

Z-score; The nutritional status of the children surveyed was evaluated by calculating the Z-score. Z-score is height for age, weight for age, and BIM for age. The Z-score is a standardized index that expresses the difference between the reference median value and the measured value as a multiple of the standard deviation, and this time it was calculated using WHO AnthroPlus, a software developed by the WHO. Malnutrition is defined by WHO as shown in the table below.

Child growth indicators

Z-score	Growth Indicators			
	Length/height-for-age	Weight-for-age	Weight-for-length/height	BMI-for-age
Above 3			Obese	Obese
Above 2			Overweight	Overweight
Above 1			Possible risk of overweight	Possible risk of over weight
0 (median)				
Below -1				
Below -2	Stunted	Underweight	Wasted	Wasted
Below -3	Severely stunted	Severely underweight	Severely wasted	Severely wasted

Source: Training Course on Child Growth Assessment, WHO

Subject	Item	Contents and Indicators	Northern Province (Top) Baseline: April 4 to 12, 2019 (Bottom) Endline: June 20 to October 26, 2023	Luapula Province (Top) Baseline: April 15 to 19, 2019 (Bottom) Endline: July 10 to 14, 2023	Muchinga Province (Top) Baseline: April 23 to 26, 2019 (Bottom) Endline: June 23 to August 23, 2023
Household	Food Diversification	Food Consumption Score (FCS)	Among the surveyed households, 48% were considered to have a lack of dietary diversity. The remaining 48% are borderline and 4% are good diverse diet. The Avg. food cost is 33.3 ZMW/week.	Among the surveyed households, 20% were considered to have a lack of dietary diversity. The remaining 52% are borderline and 28% are good diverse diet. The Avg. food cost is 91.32 ZMW/week.	Among the surveyed households, 20% were considered to have a lack of dietary diversity. The remaining 60% are borderline and 20% are good diverse diet. The Avg. food cost is 35.9 ZMW/week.
			33% were considered to have poor dietary diversity. The remaining 53% are borderline and 13% are good dietary diversity. The Avg. food cost is 157 ZMW. ***Positive change***	10% were considered to have poor dietary diversity. The remaining 38% are borderline and 53% are good dietary diversity. The Avg. food cost is 281 ZMW. ***Positive change***	25% were considered to have poor dietary diversity. The remaining 54% are borderline and 17% are good dietary diversity. The Avg. food cost is 136 ZMW. ***Positive change***
	Food Security	Cooping Strategy Index (CSI)	The minimum CSI score was 0 and the maximum was 57. If a value greater than 30 is assessed as severe food insecurity at the household level, 36% of households fall into this category.	The minimum CSI score was 0 and the maximum was 72. If a value greater than 30 is assessed as severe food insecurity at the household level, 16% of households fall into this category.	The minimum CSI score was 0 and the maximum was 73. If a value greater than 30 is assessed as severe food insecurity at the household level, 20% of households fall into this category.
			The minimum was 0 and the maximum was 77. A value greater than 30 indicates severe food insecurity at the household level, with 55% of households falling into this category. ***Negative change***	The minimum was 0 and the maximum was 55. A value greater than 30 indicates severe food insecurity at the household level, with 24% of households falling into this category. ***Negative change***	The minimum was 0 and the maximum was 75. A value greater than 30 indicates severe food insecurity at the household level, with 23% of households falling into this category. ***Slightly negative change***
	Illness within household (diarrhea)	Number of sick people (person/year)	The Avg. number of family members affected by diarrhea is 0.4 per year. Considering that the number of people in the household is 5.8, it is considered that the situation is not serious.	The Avg. number of family members affected by diarrhea is 1.6 per year. Considering that the number of people in the household is 8.5, it is considered that the situation is not serious.	The Avg. number of family members affected by diarrhea is 1.1 per year. Considering that the number of people in the household is 6.3, it is considered that the situation is not serious.
			The Avg. number of family members affected by diarrhea is 1.4 per year. Considering that the number of people in the household is 6.0, it is considered that the situation is not serious. ***Slightly negative change***	The Avg. number of family members affected by diarrhea is 2.7 per year. Considering that the number of people in the household is 7.2, it is considered that the situation is not serious. ***Slightly negative change***	The Avg. number of family members affected by diarrhea is 1.3 per year. Considering that the number of people in the household is 6.2, it is considered that the situation is not serious. ***No change***
Gender	Farmland area of woman and man	Owned farmland within the household (Lima)	Woman's farmland (irrigable); Avg. 0.2 Lima Woman's farmland (no irrigation); Avg. 0.7 Lima Man's farmland (irrigable); Avg. 1.1 Lima Man's farmland (no irrigation); Avg. 3.0 Lima	Woman's farmland (irrigable); Avg. 0.3 Lima Woman's farmland (no irrigation); Avg. 0.8 Lima Man's farmland (irrigable); Avg. 0.7 Lima Man's farmland (no irrigation); Avg. 3.2 Lima	Woman's farmland (irrigable); Avg. 0.4 Lima Woman's farmland (no irrigation); Avg. 1.1 Lima Man's farmland (irrigable); Avg. 1.4 Lima Man's farmland (no irrigation); Avg. 4.5 Lima
			Woman's farmland (irrigable); Avg. 1.1 Lima	Woman's farmland (irrigable); Avg. 1.0 Lima	Woman's farmland (irrigable); Avg. 1.0 Lima

Subject	Item	Contents and Indicators	Northern Province (Top) Baseline: April 4 to 12, 2019 (Bottom) Endline: June 20 to October 26, 2023	Luapula Province (Top) Baseline: April 15 to 19, 2019 (Bottom) Endline: July 10 to 14, 2023	Muchinga Province (Top) Baseline: April 23 to 26, 2019 (Bottom) Endline: June 23 to August 23, 2023
			Woman's farmland (no irrigation); Avg. 2.3 Lima Man's farmland (irrigable); Avg. 0.8 Lima Man's farmland (no irrigation); Avg. 3.2 Lima ***Positive changes***	Woman's farmland (no irrigation); Avg. 4.6 Lima Man's farmland (irrigable); Avg. 0.8 Lima Man's farmland (no irrigation); Avg. 5.2 Lima ***Positive changes***	Woman's farmland (no irrigation); Avg. 2.5 Lima Man's farmland (irrigable); Avg. 0.9 Lima Man's farmland (no irrigation); Avg. 2.9 Lima ***Positive changes***
	Access to domestic water	Domestic water access (m), type	Avg. 7.6 minutes (300m) to reach a water source for cooking and drinking. Types of water sources are Well (16%), Piped water (0%), Borehole (32%), River (8%), Stream (16%), Furrow (28%) Avg. 5.3 minutes (200m) to reach water sources for other uses, and the types of water sources are Well (16%), Piped water (0%), Borehole (20%), River (0%), and Stream (20%), furrow (40%), no answer (4%)	Avg. 9 minutes (200m) to reach a water source for cooking and drinking. Types of water sources are Well (36%), Piped water (16%), Borehole (36%), River (8%), Stream (4%). Avg. 10 minutes (200m) to reach water sources for other uses, and the types of water sources are Well (44%), Piped water (8%), Borehole (16%), River (8%), and Stream (16%), furrow (8%).	Avg. 10 minutes (400m) to reach a water source for cooking and drinking. Types of water sources are Well (12%), Piped water (0%), Borehole (8%), River (32%), Stream (20%), Furrow (24%), no answer (4%). Avg. 9 minutes (400m) to reach water sources for other uses, and the types of water sources are Well (16%), Piped water (0%), Borehole (12%), River (16%), and Stream (24%), furrow (28%), no answer (4%)
			Avg. 6.7 minutes to a water source for cooking and drinking water. Avg. 6.7 minutes to water source for other uses. ***No changes***	Avg. 8.2 minutes to a water source for cooking and drinking water. Avg. 9.0 minutes to water source for other uses. ***No changes***	Avg. 7.5 minutes to a water source for cooking and drinking water. Avg. 7.0 minutes to water source for other uses. ***Slightly positive changes***
	Working hours for woman and man	(Rainy season) Avg. daily working hours by gender (hours)	Woman's agricultural working hours: 3.8 hours Woman's domestic working hours; 4.8 hour Man's agricultural working hours: 4.2 hours Man's domestic working hours: 1 hours	Woman's agricultural working hours: 5 hours Woman's domestic working hours; 3.4 hour Man's agricultural working hours: 5.7 hours Man's domestic working hours: 0.7 hours	Woman's agricultural working hours: 4.4 hours Woman's domestic working hours; 2.2 hour Man's agricultural working hours: 4.0 hours Man's domestic working hours: 0.4 hours
			Woman's agricultural working hours: 3.7 hours Woman's domestic working hours: 2.3 hours Man's agricultural working hours: 3.0 hours Man's domestic working hours: 0.7 hours ***Positive changes as both men and women work fewer hours***	Woman's agricultural working hours: 4.6 hours Woman's domestic working hours: 4.1 hours Man's agricultural working hours: 5.1 hours Man's domestic working hours: 0.7 hours ***No changes***	Woman's agricultural working hours: 3.2 hours Woman's domestic working hours: 3.3 hours Man's agricultural working hours: 3.7 hours Man's domestic working hours: 0.8 hours ***Positive changes as both men and women work fewer hours in agriculture***
Child	Body weight	Weight-for-age Z-score	Five out of the 31 children surveyed were underweight (16%).	Four out of the 30 children surveyed were underweight (13%).	One out of the 25 children surveyed were underweight (4%).
			6 out of the 29 children surveyed under 5 years were underweight (21%).	7 out of the 32 children surveyed under 5 years were underweight (22%).	1 out of the 22 children surveyed under 5 years were underweight (5%).

Subject	Item	Contents and Indicators	Northern Province (Top) Baseline: April 4 to 12, 2019 (Bottom) Endline: June 20 to October 26, 2023	Luapula Province (Top) Baseline: April 15 to 19, 2019 (Bottom) Endline: July 10 to 14, 2023	Muchinga Province (Top) Baseline: April 23 to 26, 2019 (Bottom) Endline: June 23 to August 23, 2023
			Slightly negative change	***Slightly negative change***	***No changes***
	Height	Height-for-age Z-score	13 out of the 31 children surveyed were short and stunted (41%).	12 out of the 30 children surveyed were short and stunted (40%).	10 out of the 26 children surveyed were short and stunted (38%).
			8 out of the 29 children surveyed under 5 years were short and stunted (28%). ***Positive change***	7 out of the 32 children surveyed under 5 years were short and stunted (22%). ***Positive change***	Seven out of the 22 children surveyed under 5 years were short and stunted (32%). ***Positive change***
	Weight-height ratio	BMI-for-age Z-score	One was considered to be wasted (3%).	One out of the 30 children surveyed were considered to be wasted (3%).	None was considered to be wasted (0%).
			4 out of the 29 children surveyed under 5 years were considered to be wasted (14%). ***Slightly negative changes***	7 out of the 32 children surveyed under 5 years considered to be wasted (22%). ***Negative changes***	One out of the 22 children surveyed under 5 years was considered to be wasted (5%). ***No changes***
Mother and child	Breastfeeding period	Breastfeeding period for target child (months)	The average age of the children surveyed was 33 months. One of the 25 children was being breastfed, and the average breastfeeding period for the weaned children was 20 months, indicating that the children were breastfeeding until an age close to the first two years recommended by the WHO. 96% supplemented with vitamin A. The average number of refills for children who have already refilled was 2.5 times.	The average age of the children surveyed was 30 months. Four of the 30 children were being breastfed, and the average breastfeeding period for the weaned children was 19 months, indicating that the children were breastfeeding until an age close to the first two years recommended by the WHO. 95% supplemented with vitamin A. The average number of refills for children who have already refilled was 2.8 times.	The average age of the children surveyed was 27 months. Five of the 25 children were being breastfed, and the average breastfeeding period for the weaned children was 21 months, indicating that the children were breastfeeding until an age close to the first two years recommended by the WHO. 92% supplemented with vitamin A. The average number of refills for children who have already refilled was 2.7 times.
			Avg. age of the children surveyed (29 children under 5 years, 11 children 5 years or over) was 48 months. Avg. duration of breastfeeding for children was 21 months. 100% supplemented with Vitamin A. The average number of refills for children who have already refilled is 2.5 times. ***Slightly positive change***	Avg. age of the children surveyed (32 children under 5 years, 10 children 5 years or over) was 46 months. Avg. duration of breastfeeding for children was 17 months. 90% supplemented with Vitamin A. ***Slightly negative change***	Avg. age of the children surveyed (22 children under 5 years, 15 children 5 years or over) was 49 months. 100% supplemented with Vitamin A. ***Slightly positive change***

Subject	Item	Contents and Indicators	Copperbelt Province (6 districts) (Top) Baseline: January 11 to 26, 2021 (Bottom) Endline: June 19 to 27, 2023	Northwestern Province (Top) Baseline: January 6 to 14, 2021 (Bottom) Endline: July 21 to August 27, 2023	Central Province (Top) Baseline: January 12 to 15, 2021 (Bottom) Endline: July 17 to 20, 2023
Household	Food Diversification	Food Consumption Score (FCS)	Among the households surveyed, there were no households considered to lack dietary diversity. 40% are borderline and 60% are good diverse diet. The Avg. food cost is 357 ZMW per week.	Among the surveyed households, 14% were considered to have a lack of dietary diversity. The remaining 57% are borderline and 29% are good diverse diet. The Avg. food cost is 175 ZMW/week.	Among the surveyed households, 50% were considered to have a lack of dietary diversity. The remaining 25 % are borderline and 25 % are good food diversity. The Avg. food cost is 131 ZMW per week.
			There were no households considered to have a lack of dietary diversity. 24 % are borderline and 76% are good dietary diversity. The Avg. food cost is 359 ZMW. ***Slightly positive changes***	Nine percent was considered to have poor dietary diversity. The remaining 43% are borderline and 49% are good dietary diversity. The Avg. food cost is 305 ZMW. ***Slightly positive changes***	32% were considered to have poor dietary diversity. The remaining 50 % are borderline and 18 % are good dietary diversity. The Avg. food cost is 155 ZMW. ***Positive change***
	Food Security	Cooping Strategy Index (CSI)	The minimum CSI score was 0 and the maximum was 71. If a value greater than 30 is assessed as severe food insecurity at the household level, 27 % of households fall into this category.	The minimum CSI score was 2 and the maximum was 87. If a value greater than 30 is assessed as severe food insecurity at the household level, 40% of households fall into this category.	The minimum CSI score was 1 and the maximum was 86. If a value greater than 30 is assessed as severe food insecurity at the household level, 57 % of households fall into this category.
			The minimum was 0 and the maximum was 85. A value greater than 30 indicates severe food insecurity at the household level, with 40% of households falling into this category. ***Negative change***	The minimum was 0 and the maximum was 73. A value greater than 30 indicates severe food insecurity at the household level, with 25% of households falling into this category. ***Slightly positive changes***	The minimum was 4 and the maximum was 96. A value greater than 30 indicates severe food insecurity at the household level, with 41% of households falling into this category. ***Positive change***
	Illness within household (diarrhea)	Number of sick people (person/year)	The Avg. number of family members affected by diarrhea is 3.1 per year. Considering that the number of people in the household is 7.9, it is considered that the situation is not serious.	The Avg. number of family members affected by diarrhea is 3.7 per year. Considering that the number of people in the household is 7.2, it is considered that the situation is not serious.	The Avg. number of family members affected by diarrhea is 2.3 per year. Considering that the number of people in the household is 7.1, it is considered that the situation is not serious.
			The Avg. number of family members affected by diarrhea is 0.9 per year. Considering that the number of people in the household is 6.0, it is considered that the situation is not serious. ***Positive change***	The Avg. number of family members affected by diarrhea is 1.2 per year. Considering that the number of people in the household is 6.8, it is considered that the situation is not serious. ***Positive change***	The Avg. number of family members affected by diarrhea is 0.5 per year. Considering that the number of people in the household is 6.3, it is considered that the situation is not serious. ***Positive change***
gender	Farmland area of woman and man	Owned farmland within the household (Lima)	Woman's farmland (irrigable); Avg. 0.9 Lima Woman's farmland (no irrigation); Avg. 3.7 Lima Man's farmland (irrigable); Avg. 1.0 Lima Man's farmland (no irrigation); Avg. 3.0 Lima	Woman's farmland (irrigable); Avg. 0.9 Lima Woman's farmland (no irrigation); Avg. 3.2 Lima Man's farmland (irrigable); Avg. 1.1 Lima Man's farmland (no irrigation); Avg. 4.9 Lima	Woman's farmland (irrigable); Avg. 0.7 Lima Woman's farmland (no irrigation); Avg. 3.7 Lima Man's farmland (irrigable); Avg. 1.1 Lima Man's farmland (no irrigation); Avg. 6.2 Lima
			Woman's farmland (irrigable); Avg. 0.9 Lima Woman's farmland (no irrigation); Avg. 3.5 Lima Man's farmland (irrigable); Avg. 0.9 Lima	Woman's farmland (irrigable); Avg. 1.1 Lima Woman's farmland (no irrigation); Avg. 3.2 Lima	Woman's farmland (irrigable); Avg. 0.7 Lima Woman's farmland (no irrigation); Avg. 3.3 Lima

Subject	Item	Contents and Indicators	Copperbelt Province (6 districts) (Top) Baseline: January 11 to 26, 2021 (Bottom) Endline: June 19 to 27, 2023	Northwestern Province (Top) Baseline: January 6 to 14, 2021 (Bottom) Endline: July 21 to August 27, 2023	Central Province (Top) Baseline: January 12 to 15, 2021 (Bottom) Endline: July 17 to 20, 2023
			Man's farmland (no irrigation); Avg. 2.5 Lima ***Slightly negative changes***	Man's farmland (irrigable); Avg. 1.2 Lima Man's farmland (no irrigation); Avg. 3.7 Lima ***Slightly positive changes***	Man's farmland (irrigable); Avg. 0.8 Lima Man's farmland (no irrigation); Avg. 4.5 Lima ***Negative change***
	Access to domestic water	Domestic water access (m), type	Avg. 11.3 minutes (6.5km) to reach a water source for cooking and drinking. Types of water sources are Well (57%), Piped water (3%), Borehole (17%), River (13%), Stream (0%), Furrow (0%) Avg. 12 minutes (10.6km) to reach water sources for other uses, and the types of water sources are Well (47%), Piped water (3%), Borehole (20%), River (13%), and Stream (3%), furrow (0%), no answer (9%)	Avg. 9 minutes (0.9km) to reach a water source for cooking and drinking. Types of water sources are Well (55%), Piped water (0%), Borehole (29%), River (0%), Stream (10%), Furrow (0%), Not answered (7%) Avg. 7.6 minutes (12.7km) to reach water sources for other uses, and the types of water sources are Well (36%), Piped water (0%), Borehole (19%), River (0%), and Stream (36%), furrow (0%), no answer (10%)	Avg. 5 minutes (4.4km) to reach a water source for cooking and drinking. Types of water sources are Well (36%), Piped water (16%), Borehole (7%), River (7%), Stream (36%), Not answered (0%) Avg. 7 minutes (4.9km) to reach water sources for other uses and the types of water sources are Well (29%), Piped water (0%), Borehole (7%), River (7%), Stream (29%), and furrow. (8%)
			Avg. 11.2 minutes to a water source for cooking and drinking water. Avg. 10.8 minutes to water source for other uses. ***Slightly positive changes***	Avg. 7.5 minutes to water source for cooking and drinking water. Avg, 8.2 minutes to water source for other uses. ***Slightly negative changes***	Avg. 8.9 minutes to water source for cooking and drinking. Avg. 7.6 minutes to water source for other uses ***Negative change***
	Working hours for woman and man	(Rainy season) Avg. daily working hours by gender (hours)	Woman's agricultural working hours: 5.2 hours Woman's domestic working hours; 4.1 hour Man's agricultural working hours: 5.5 hours Man's domestic working hours: 2.1 hours	Woman's agricultural working hours: 4.9 hours Woman's domestic working hours: 4.8 hours Man's agricultural working hours: 6.0 hours Man's domestic working hours; 2.1 hour	Woman's agricultural working hours: 3.9 hours Woman's domestic working hours: 4.9 hours Man's agricultural working hours; 5.1 hour Man's domestic working hours; 2.2 hours
			Woman's agricultural working hours: 4.9 hours Woman's domestic working hours: 3.4 hours Man's agricultural working hours: 4.8 hours Man's domestic working hours: 0.9 hours ***Positive changes as both men and women work fewer hours***	Woman's agricultural working hours: 4.5 hours Woman's domestic working hours: 4.4 hours Man's agricultural working hours: 5.7 hours Man's domestic working hours: 1.6 hours ***A positive change as both men and women are working fewer hours in agriculture***	Woman's agricultural working hours: 3.8 hours Woman's domestic working hours: 3.1 hours Man's agricultural working hours: 4.6 hours Man's domestic working hours: 1.0 hours ***Slightly positive changes as both men and women work fewer hours***
Child	Body weight	Weight-for-age Z-score	Five out of the 36 children surveyed were underweight (15%).	Five out of the 51 children surveyed were underweight (9%)	One out of the fourteen children surveyed was underweight (7%).
			One out of the 22 children surveyed under 5 year was underweight (5%). ***Positive change***	15 out of the 66 children surveyed under 5 years were underweight (23%). ***Slightly negative change***	2 out of the 30 children surveyed under 5 years were underweight (7%). ***No change***
	Height	Height-for-age Z-score	Thirteen out of the 36 children surveyed were short and stunted (38%).	Twelve out of the 51 surveyed children were short and stunted (23%).	None of the 14 surveyed children were short and stunted (0%).

Subject	Item	Contents and Indicators	Copperbelt Province (6 districts) (Top) Baseline: January 11 to 26, 2021 (Bottom) Endline: June 19 to 27, 2023	Northwestern Province (Top) Baseline: January 6 to 14, 2021 (Bottom) Endline: July 21 to August 27, 2023	Central Province (Top) Baseline: January 12 to 15, 2021 (Bottom) Endline: July 17 to 20, 2023
			Eight out of the 22 children surveyed under 5 years were short and stunted (36%). ***Slightly positive changes***	Fourteen out of the 66 children surveyed under 5 years were short and stunted (21%). ***Slightly positive changes***	Ten out of the 30 children surveyed under 5 years were short and stunted (33%). ***Negative change***
	Weight-height ratio	BMI-for-age Z-score	Two out of the 36 children surveyed were considered to be wasted (6%).	Four out of the 51 children surveyed were considered to be wasted (7%).	Two out of the 14 children surveyed were considered to be wasted (14%).
			None out of the 22 surveyed children under 5 years was considered to be wasted (0%). ***Positive change***	Eight out of the 66 children surveyed under 5 years were considered to be wasted (12%). ***Slightly negative changes***	None of the 30 children surveyed under 5 years were considered to wasted (0%). ***Positive change***
Mother and child	Breastfeeding period	Breastfeeding period for target child (months)	The average age of the children surveyed was 34 months. One of the 34 children was being breastfed, and the average breastfeeding period for the weaned children was 18 months, indicating that the children were breastfeeding until an age close to the first two years recommended by the WHO. 100% supplemented with vitamin A. The average number of refills for children who have already refilled was 2.7 times.	The average age of the children surveyed was 28 months. None of the 42 children was being breastfed, and the average breastfeeding period for the weaned children was 15 months, indicating that the children were breastfeeding until an age close to the first two years recommended by the WHO. 79% supplemented with vitamin A. The average number of refills for children who have already refilled was 3.7 times.	The average age of the children surveyed was 35 months. None of the 14 children was being breastfed, and the average breastfeeding period for the weaned children was 17 months, indicating that the children were breastfeeding until an age close to the first two years recommended by the WHO. 86% supplemented with vitamin A. The average number of refills for children who have already refilled was 3.7 times.

対象	項目	内容・指標	コッパーベルト州(6 郡) （上）ベースライン：2021 年 1 月 11～26 日 （下）エンドライン：2023 年 6 月 19 日～6 月 27 日	北西部州 （上）ベースライン：2021 年 1 月 6～14 日 （下）エンドライン：2023 年 7 月 21 日～8 月 27 日	中央州 （上）ベースライン：2021 年 1 月 12～15 日 （下）エンドライン：2023 年 7 月 17 日～7 月 20 日
			どもの授乳期間の平均は 18 ヵ月であり、WHO が推奨している最初の 2 年間の母乳育児に近い月齢まで授乳をしていることがわかる。100%がビタミン A 補給済み。補給済みの子どもの平均補給回数は 2.7 回。	どもの授乳期間の平均は 15 ヵ月であり、WHO が推奨している最初の 2 年間の母乳育児より少ない月齢まで授乳をしていることがわかる。79%がビタミン A 補給済み。補給済みの子どもの平均補給回数は 3.7 回。	どもの授乳期間の平均は 17 ヵ月であり、WHO が推奨している最初の 2 年間の母乳育児に近い月齢まで授乳をしていることがわかる。86%がビタミン A 補給済み。補給済みの子どもの平均補給回数は 3.7 回。

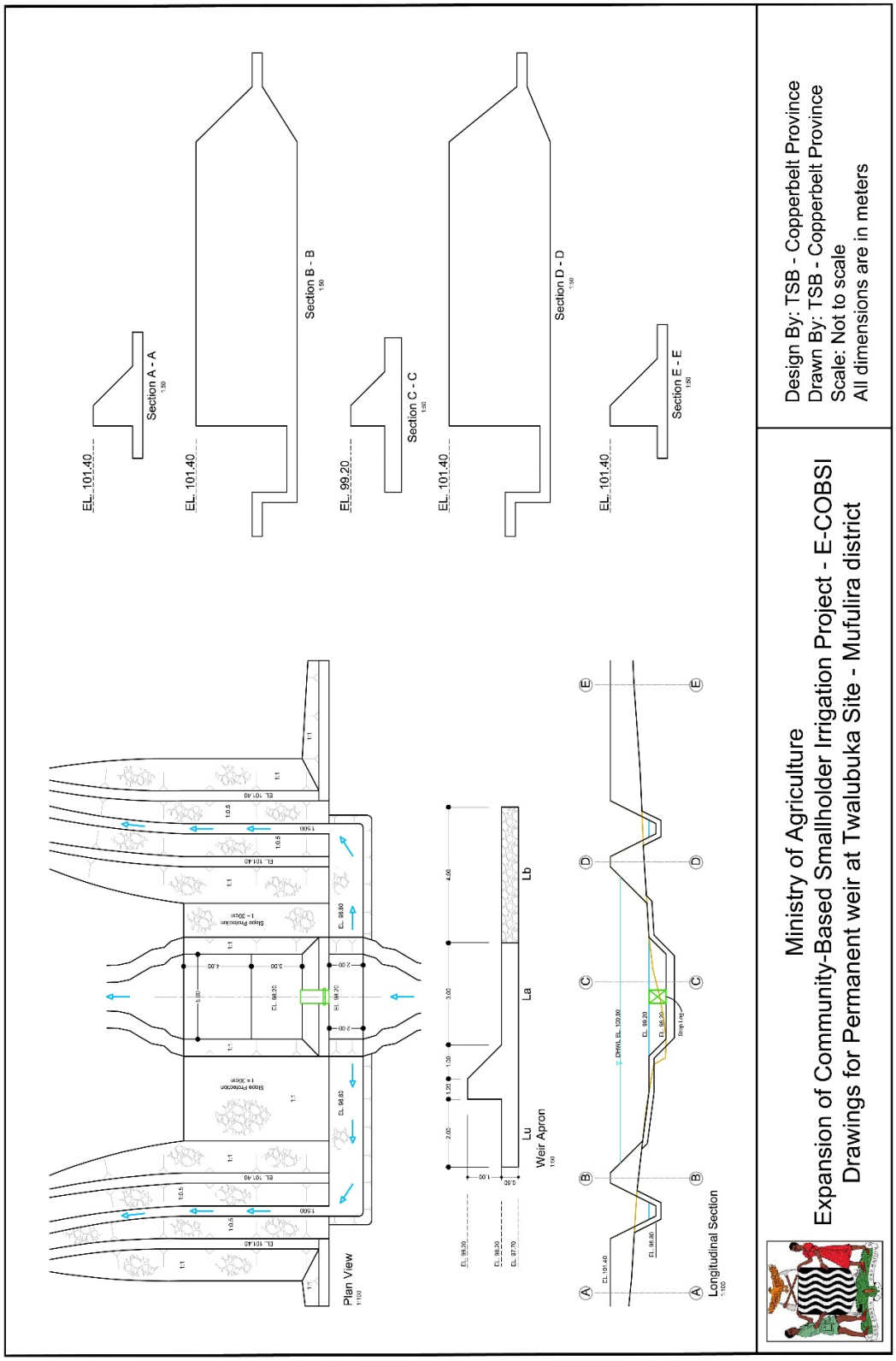
APPENDIX-VII

Permanent Weir Design Drawings

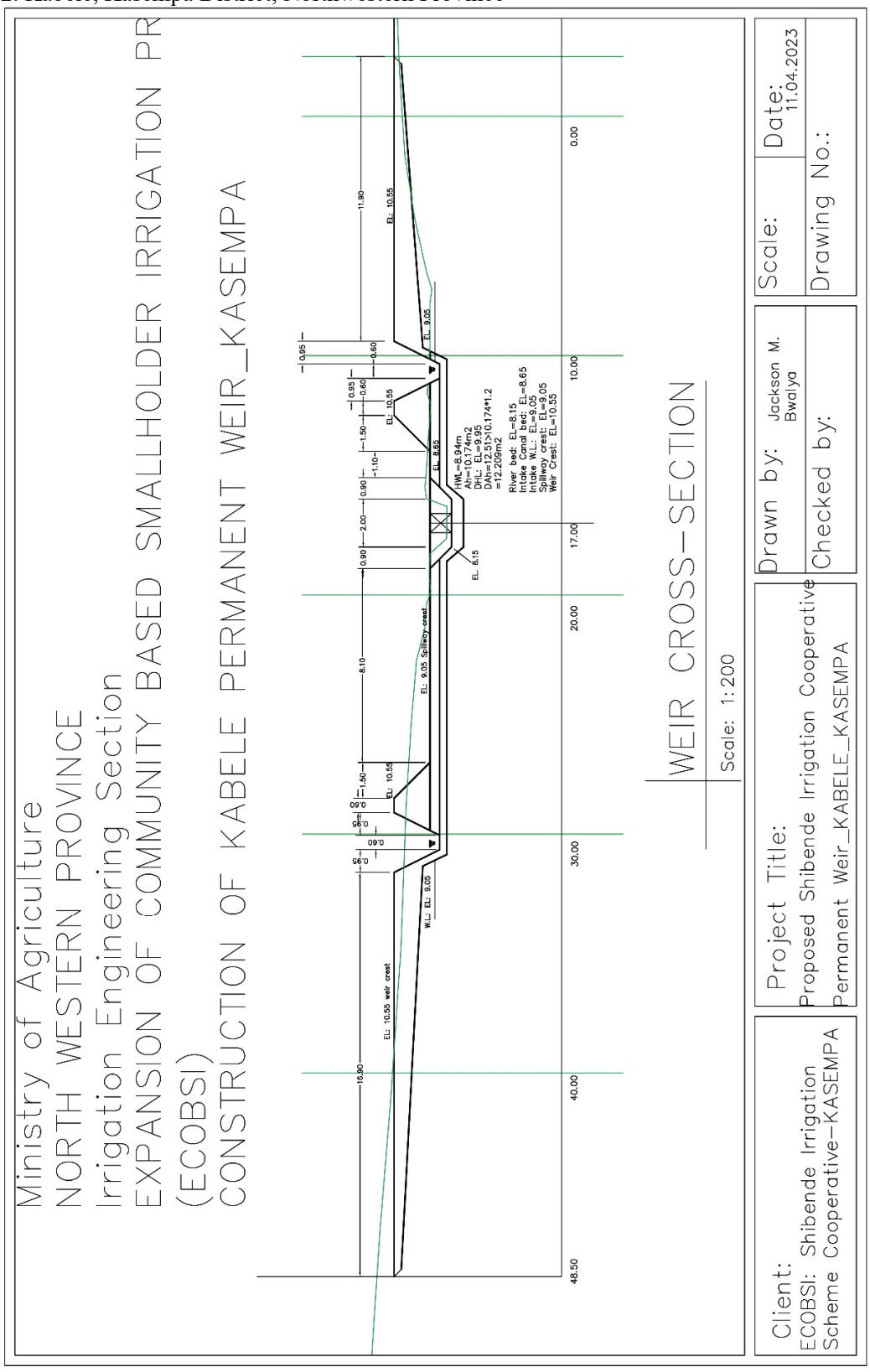
1. Twalubuka, Mufulira District, Copperbelt Province
2. Kabele, Kasempa District, Northwestern Province
3. Kafwa, Mkushi District, Central Province
4. Fitobaula, Chililabombwe District, Copperbelt Province
5. Mwambachimo, Masaiti District, Copperbelt Province
6. Kampombo, Kasempa District, Northwestern Province
7. Mwakama, Ikelenge District, Northwestern Province
8. Kaunda Farm, Mwinilunga District, Northwestern Province
9. Kabwe Kupela, Serenje District, Central Province
10. Misakalala, Chitambo District, Central Province

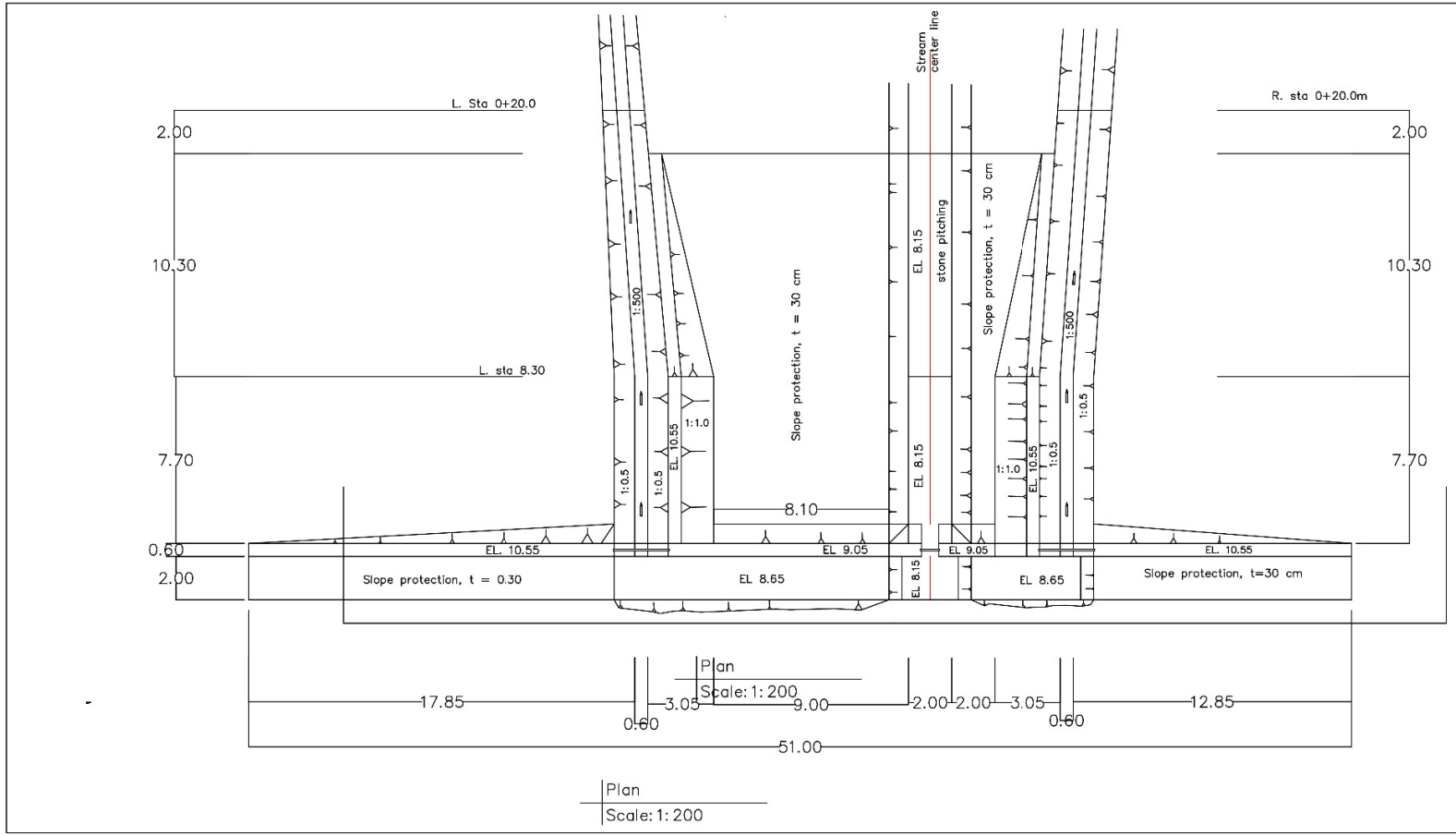
APPENDIX VII: PERMANENT WEIR DESIGN DRAWINGS

1. Twalubuka, Mufulira District, Copperbelt Province



2. Kabele, Kasempa District, Northwestern Province

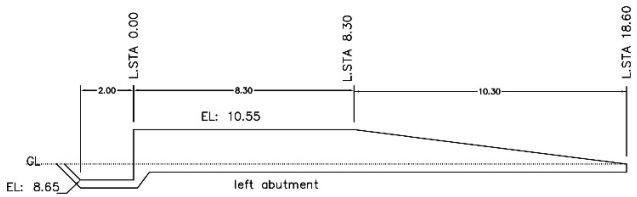




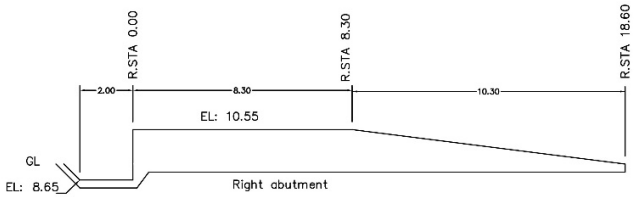
Client: ECOBSI: Shibende Irrigation Scheme Cooperative–KASEMPA	Project Title: Proposed Shibende Irrigation Cooperative Permanent Weir: KABELE_KASEMPA	Drawn by: Jackson M. Bwalya Checked by:	Scale: Drawing No.:
			Date: 11.04.2023

3

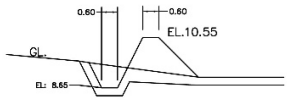
Cross Sections: Abutments



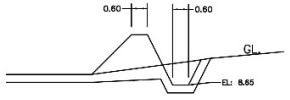
SP. 29.10
1:100



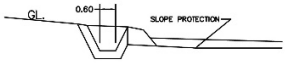
SP. 11.90
1:100



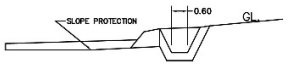
LSTA.1.50–8.30
1:100



RSTA.1.30–8.30
1:100



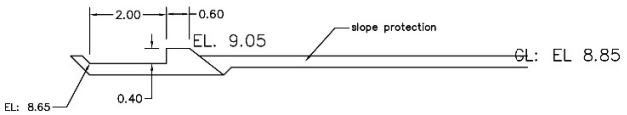
LSTA.18.60
1:100



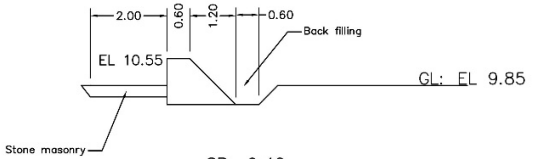
RSTA.18.60
1:100

Client:	Project Title:	Drawn by: Jackson M. Bwalya	Scale:	Date: 11.04.2023
ECOBSI: Shibende Irrigation Scheme Cooperative–KASEMPA	Proposed Shibende Irrigation Cooperative Permanent Weir: KABELE_KASEMPA	Checked by:	Drawing No.: 22221	

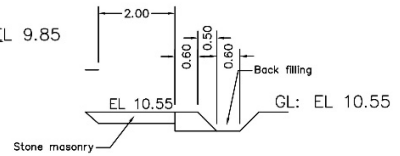
Cross Sections: Apron, Spillway and embankments



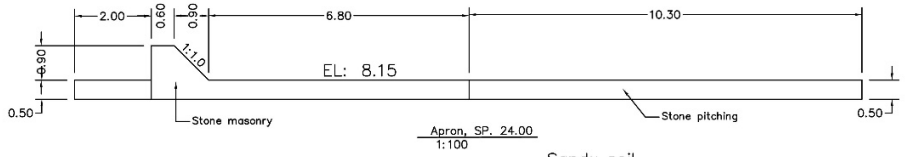
SP: 15.00
1:100



SP: 9.40
1:100

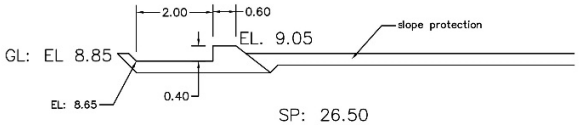


SP: −2.50
1:100

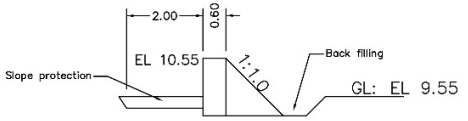


Apron, SP. 24.00
1:100

Sandy soil



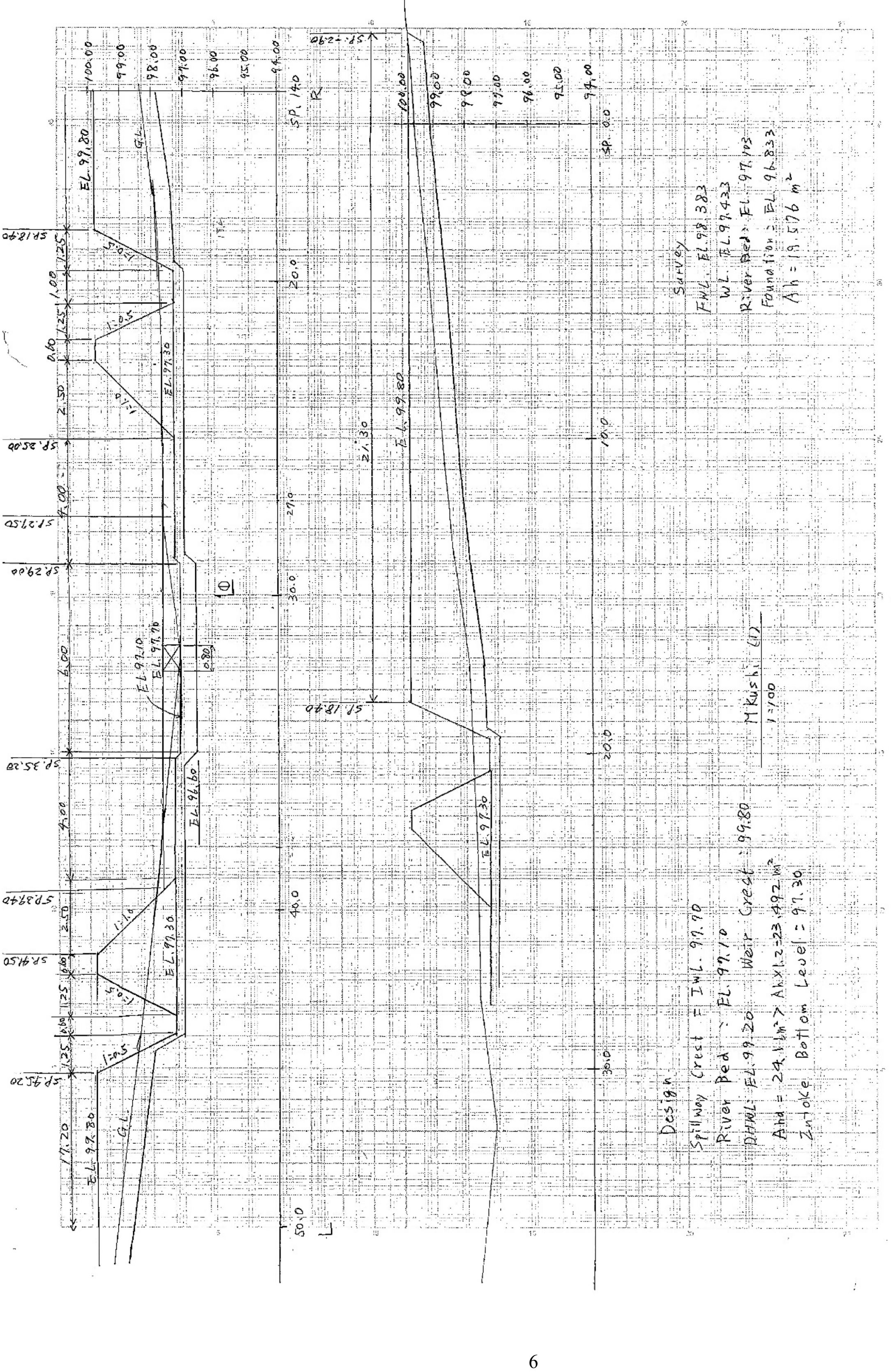
SP: 26.50
1:100

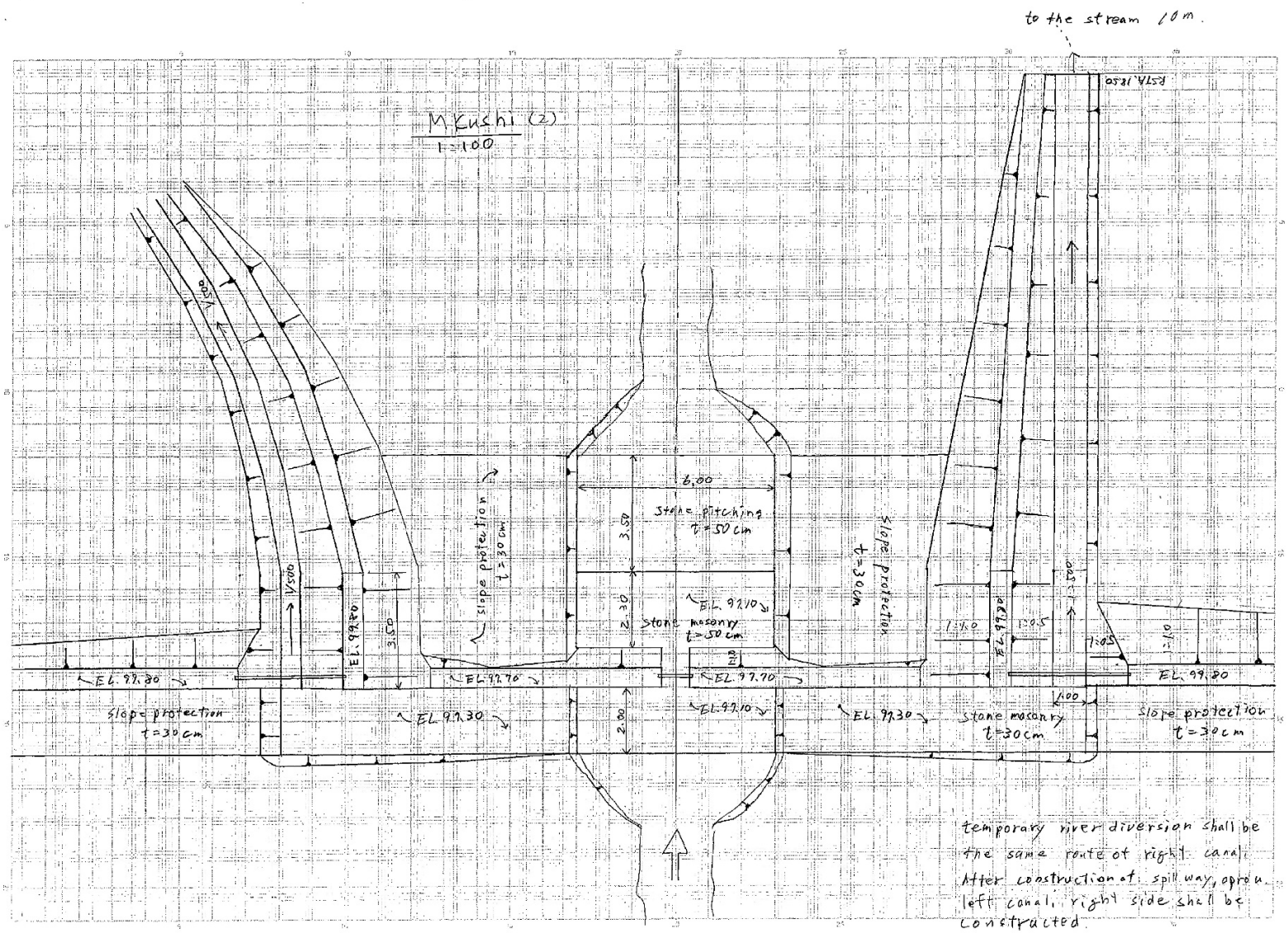


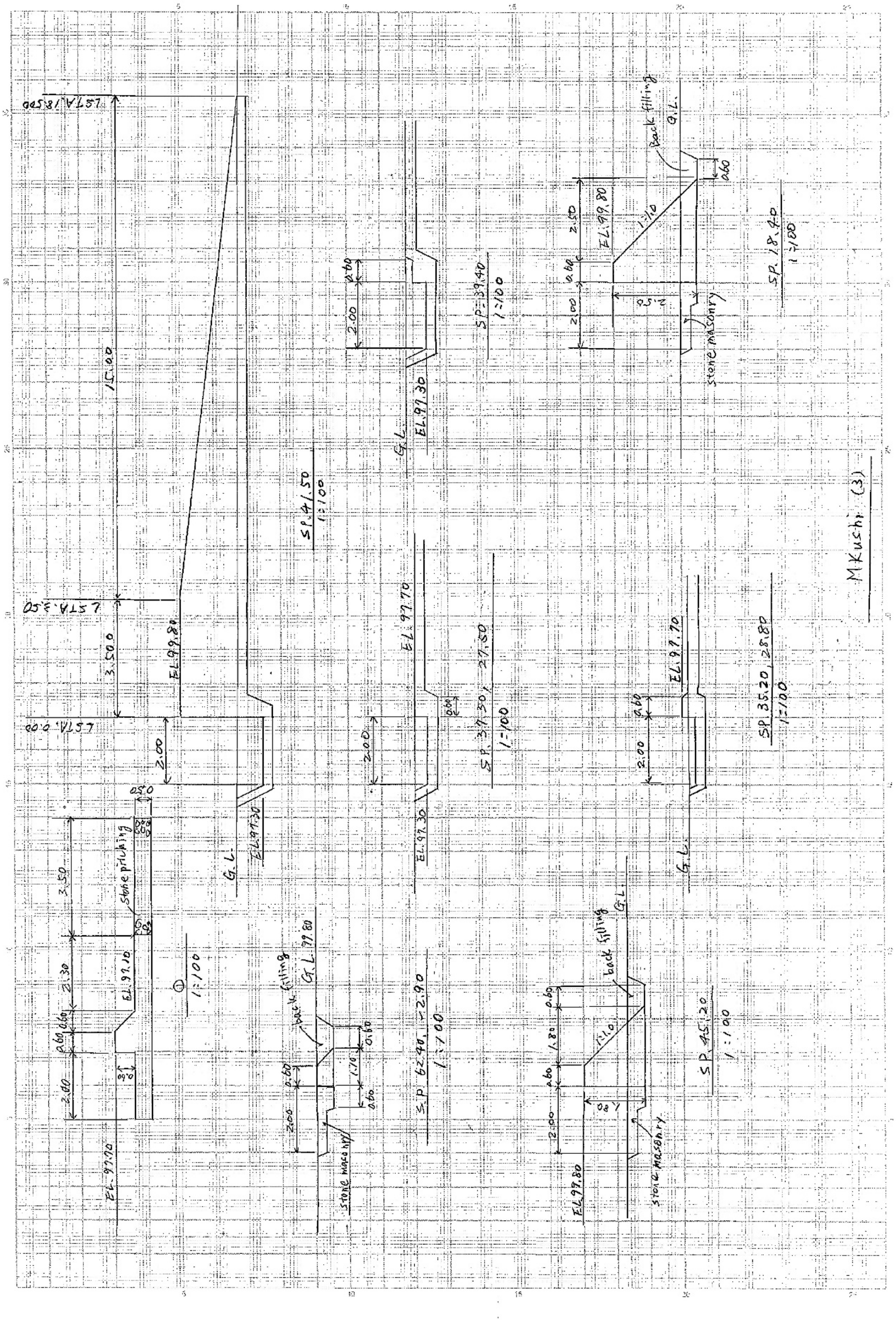
SP: 31.60
1:100

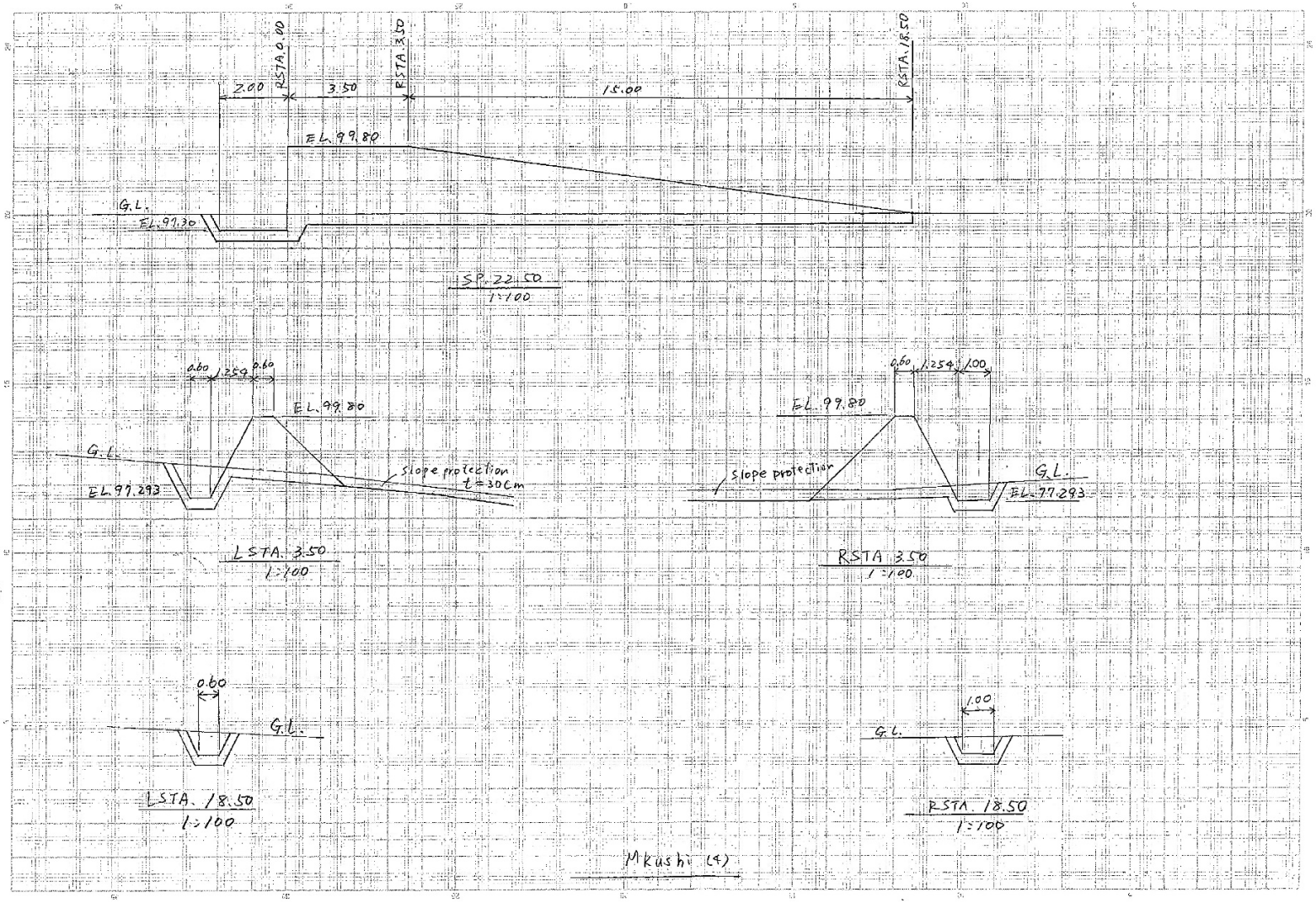
Client: ECOBSI: Shibende Irrigation Scheme Cooperative–KASEMPA	Project Title: Proposed Shibende Irrigation Cooperative Permanent Weir_KABELE_KASEMPA	Drawn by: Jackson M. Bwalya Checked by:	Scale: Drawing No.:	Date: 11.04.2023

3. Kafwa, Mkushi District, Central Province

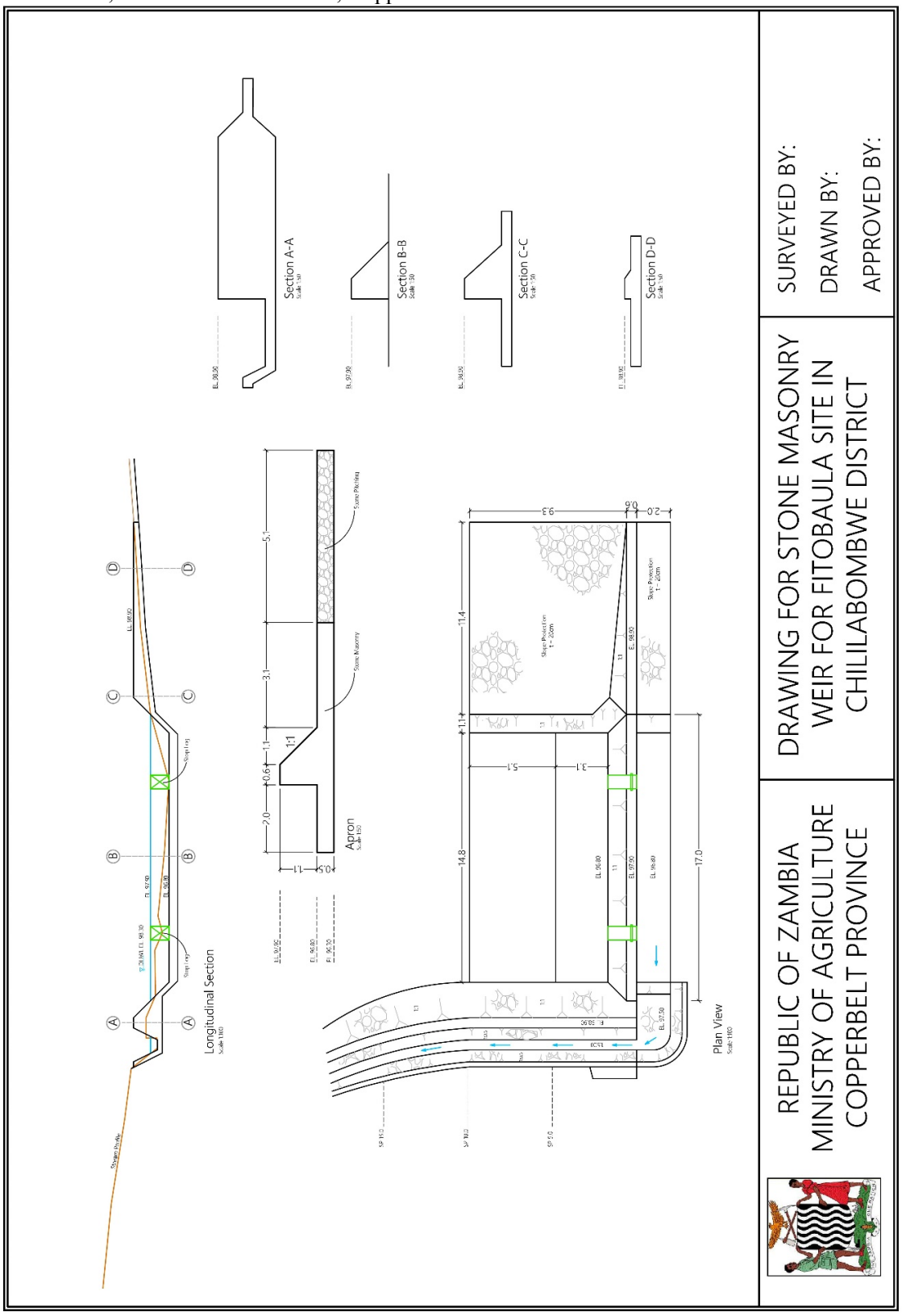



to the stream 10m.
M.Kushi (2)
1:100
R.S.T.A. 1250
1:0.5
6.00
Stone pitching
t=50 cm
3.50
2.00
Stone masonry
t=50 cm
slope protection
t=30 cm
EL. 99.10
EL. 99.80
EL. 99.30
EL. 99.70
EL. 99.76
3.00
2.00
1.00
Stone masonry
t=30 cm
slope protection
t=30 cm
temporary river diversion shall be the same route of right canal. After construction of spill way, apron, left canal, right side shall be constructed.

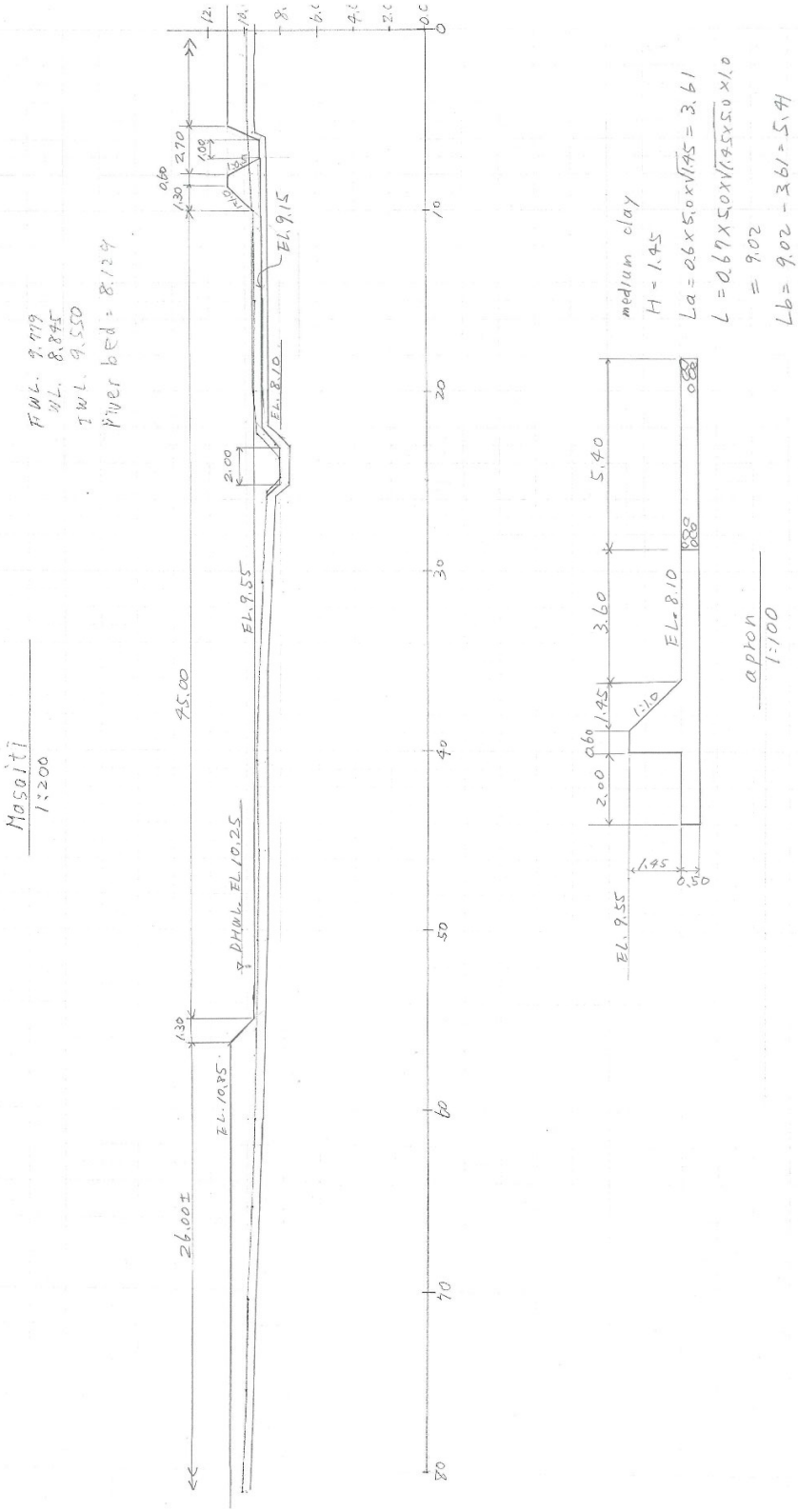

M.Kushi (3)
LSTA. 18.500
LSTA. 3.50
LSTA. 0.00
15.00
3.50
2.00
EL.99.80
EL.97.30
EL.97.70
G.L.
stone pitching
back filling
stone masonry
1:100
SP. 4.50
SP. 18.70
SP. 39.40
SP. 37.30, 27.80
SP. 35.20, 28.80
SP. 62.40, 2.90
SP. 45.20

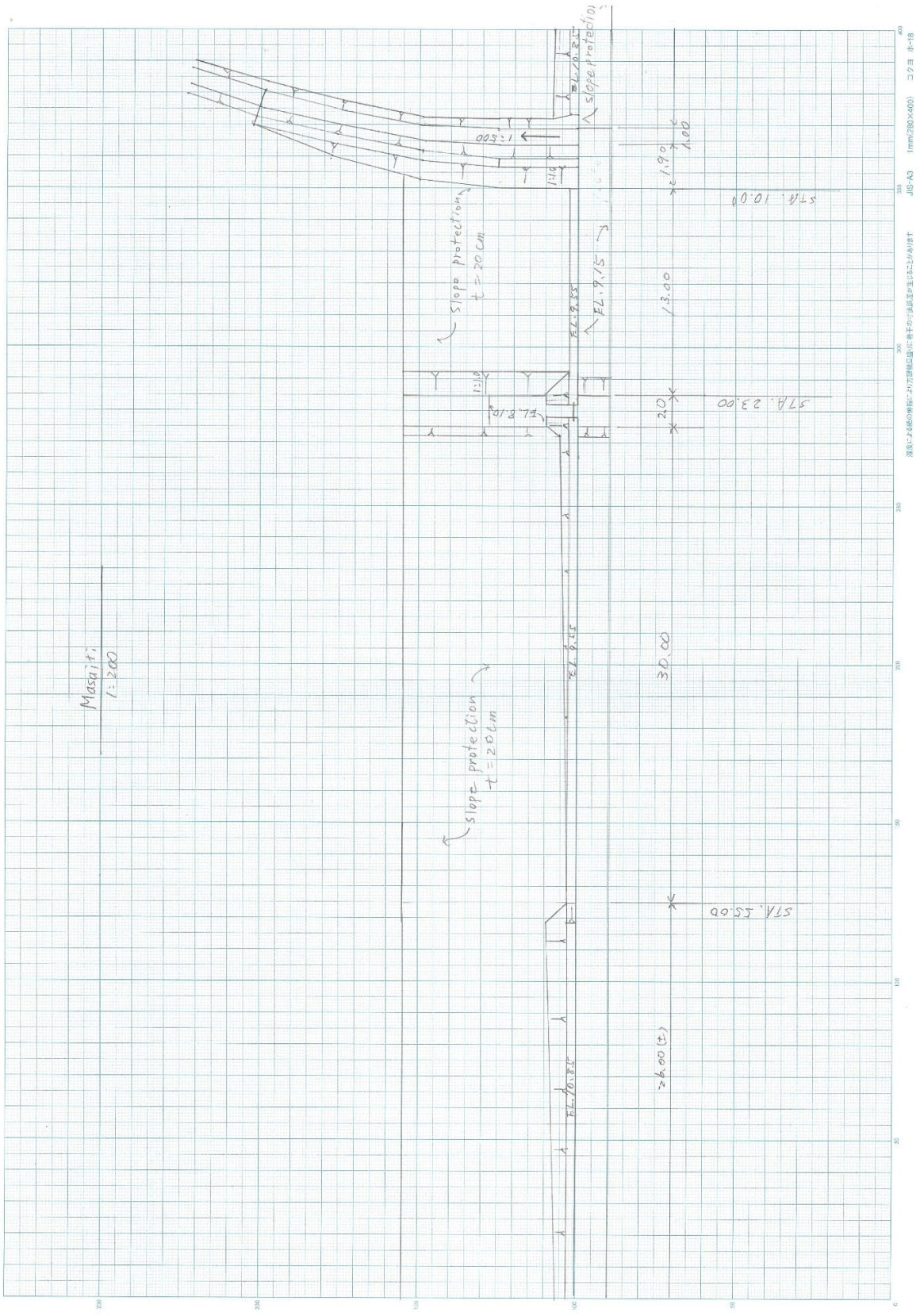

RSTA.0.00
RSTA.3.50
RSTA.18.50
2.00
3.50
15.00
EL.99.80
G.L.
EL.97.30
SP.22.50
1:100
0.60
1.25
0.60
EL.99.80
G.L.
EL.97.293
slope protection
t=30cm
LSTA.3.50
1:100
0.60
1.25
1.00
EL.99.80
slope protection
G.L.
EL.97.293
RSTA.3.50
1:100
0.60
G.L.
LSTA.18.50
1:100
1.00
G.L.
RSTA.18.50
1:100
Mkushi (4)

4. Fitobaula, Chililabombwe District, Copperbelt Province

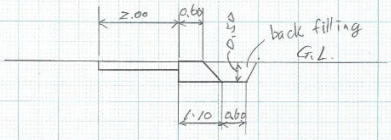


5. Mwambachimo, Masaiti District, Copperbelt Province

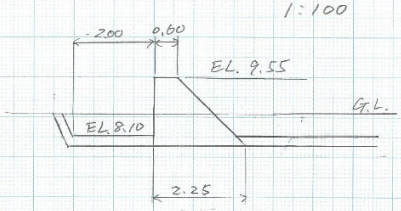



Masuji:
1:200
slope protection
t=20cm
1:1.0
EL.8.15
EL.9.85
EL.9.75
slope protection
t=20cm
1:1.0
EL.8.15
EL.9.85
EL.10.85
1:5.00
1:1.0
slope protection
1.00
1.90
3.00
2.0
30.00
≥6.00(±)
STA. 10.00
STA. 23.00
STA. 55.66

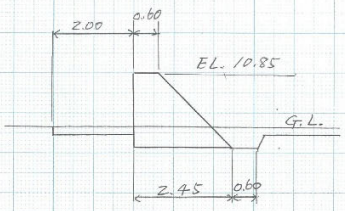
Masaiti (1)
1:100



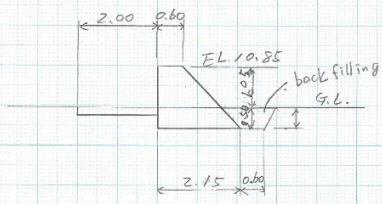
STA. -30.00



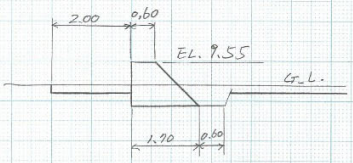
STA. 23.00 (-)



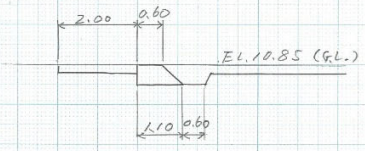
STA. 56.30



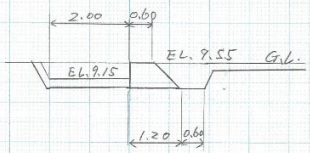
STA. 5.00



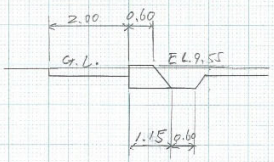
STA. 25.80



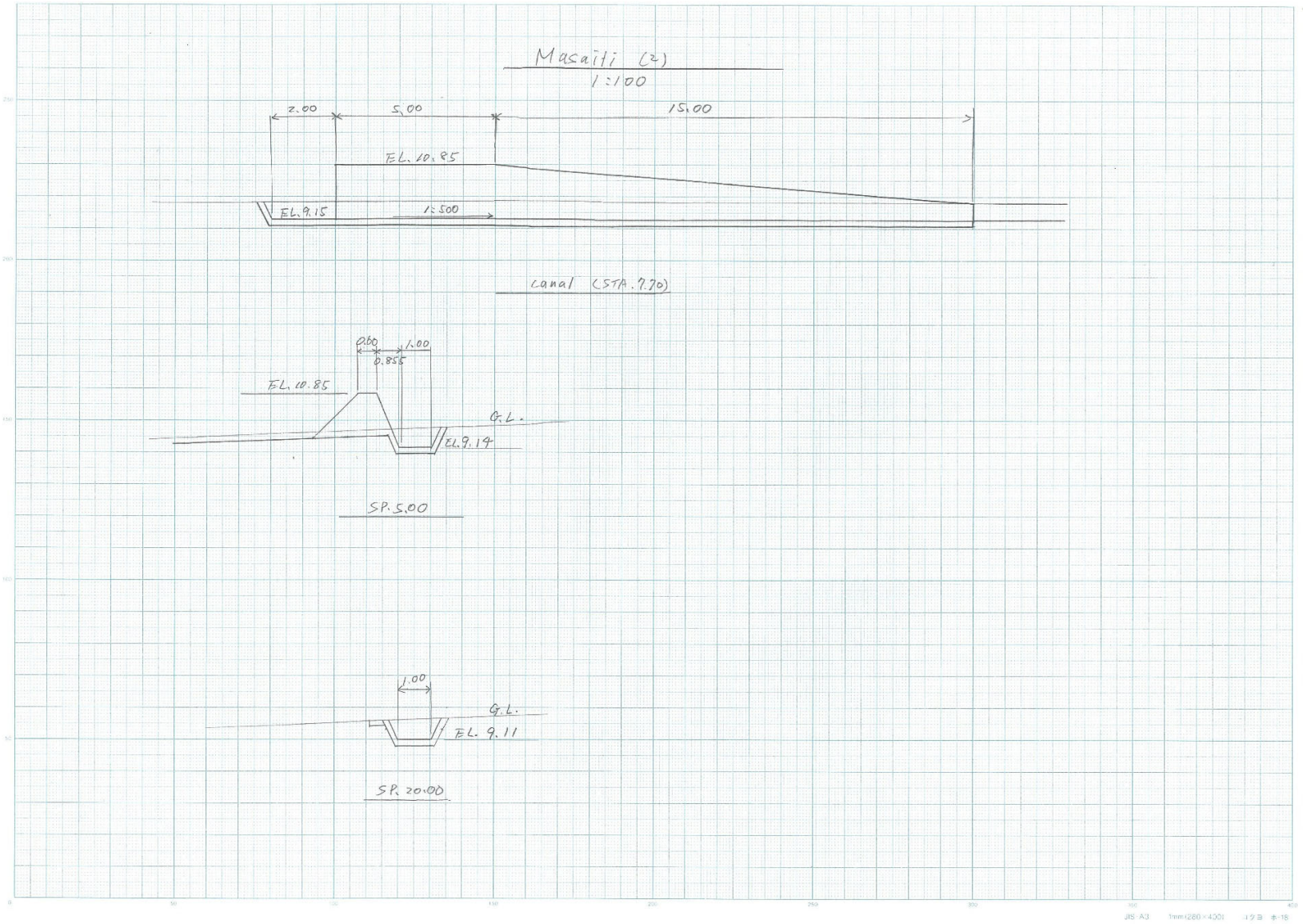
STA. 82.30



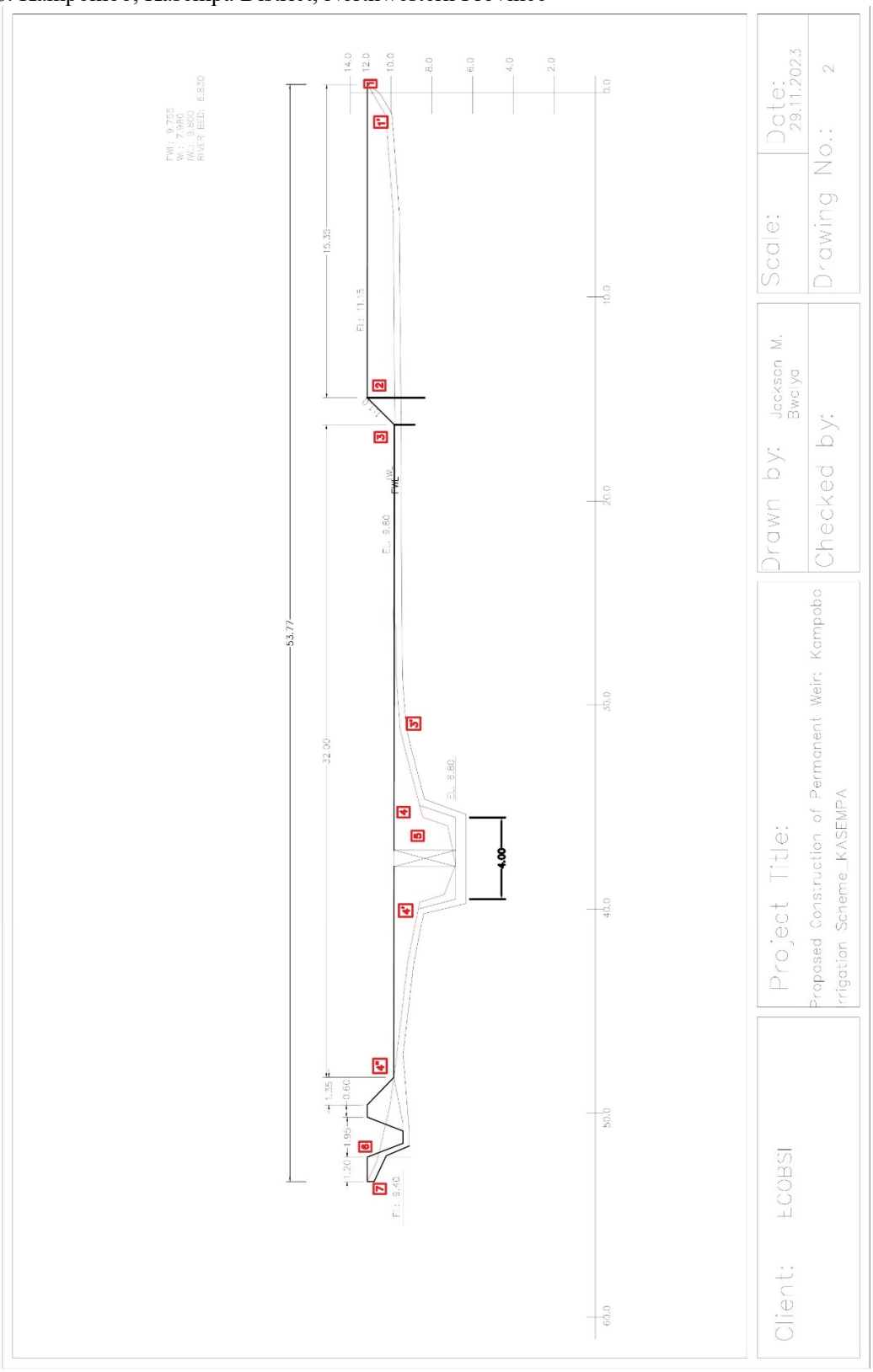
STA. 10.00

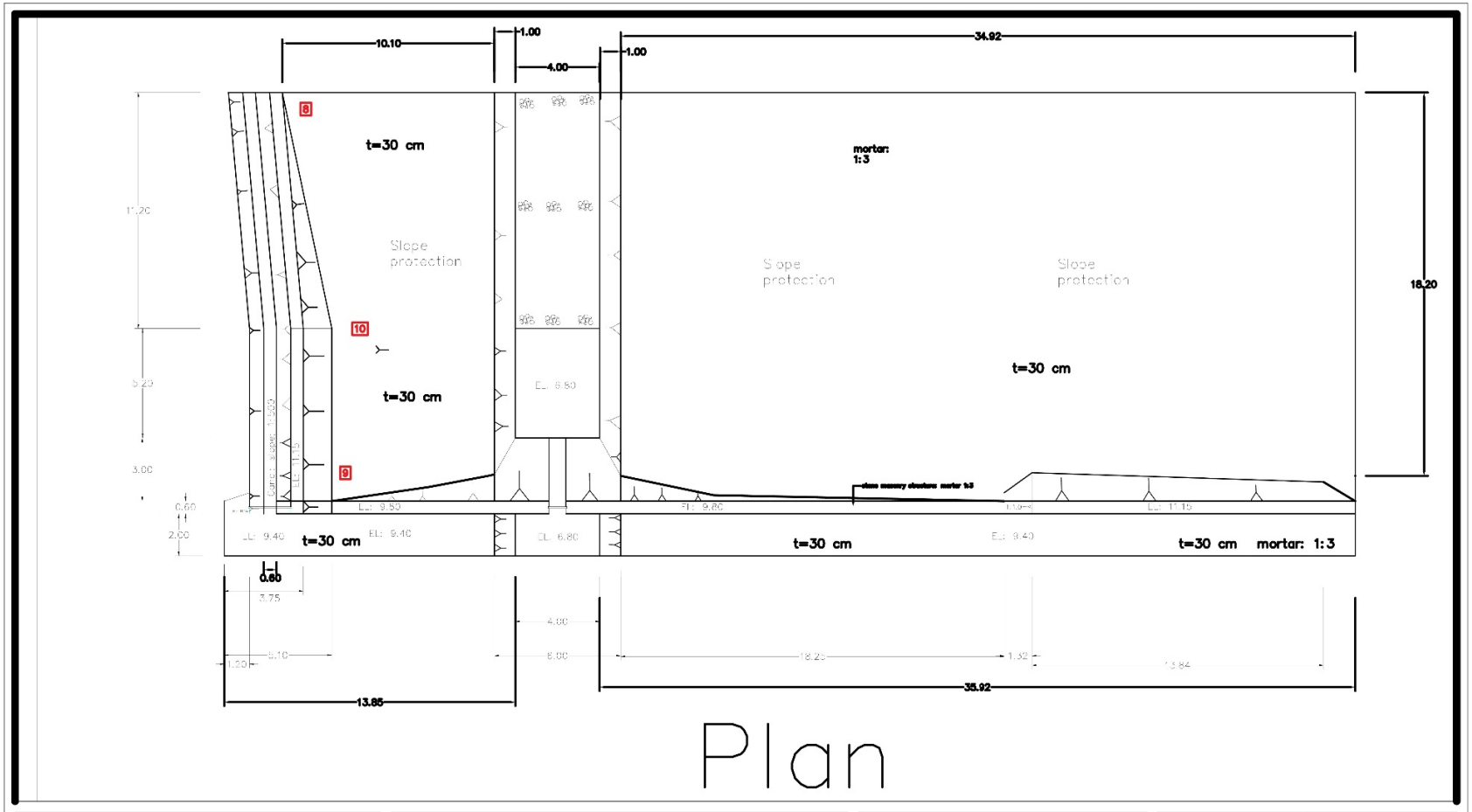


STA. 55.00


Masaiji (2)
1:100
2.00
5.00
15.00
EL. 10.85
EL. 9.15
1:500
canal (STA. 7.70)
0.60
1.00
0.855
EL. 10.85
G.L.
EL. 9.14
SP. 5.00
1.00
G.L.
EL. 9.11
SP. 20.00

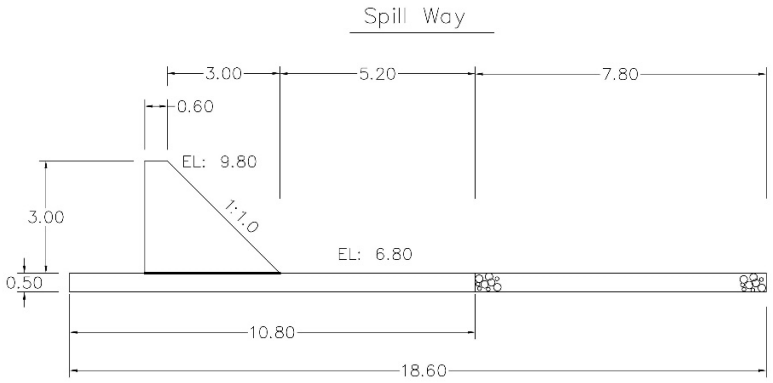
6. Kampombo, Kasempa District, Northwestern Province

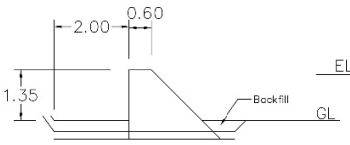




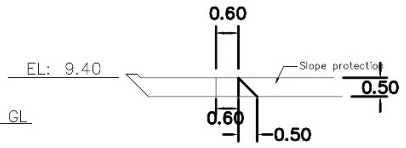
Plan

Client: ECOBSI	Project Title: Proposed Construction of Permanent Weir: Kampoco Irrigation Scheme KASEMPA	Drawn by: Jackson M. Bwalya	Scale: / Date: 29.11.2023
		Checked by:	Drawing No.: 1

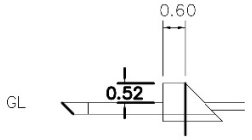




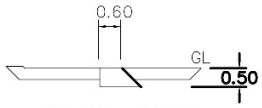
Section 2–2



Section 3–3



Section 6–6

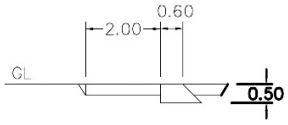


Section 7–7

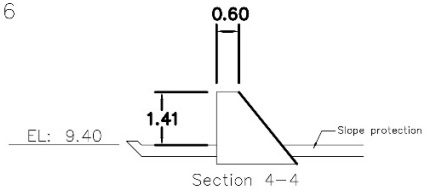
H= 3.0m
La=0.6*5.0*SQR3.0=5.196=5.20m

L= 0.67*5.0*SQR(30*5.0*1.0)
=12.97=13.00m

Lb=13.00−5.20=7.80m

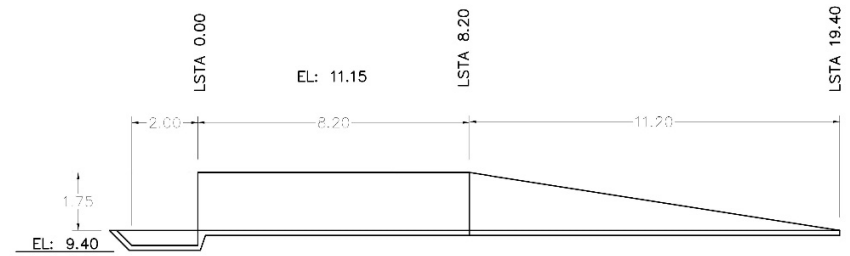


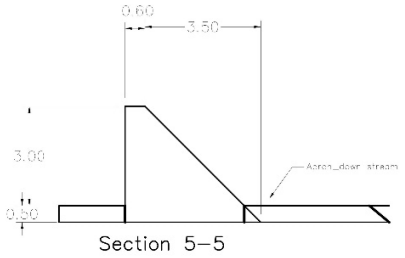
Section 1–1



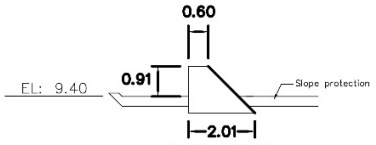
Section 4–4

Client: -COBSI	Project Title: Proposed Construction of Permanent Weir: Kampala Irrigation Scheme_KAS-MPA	Drawn by: Jackson M. Bwalya	Scale:
		Checked by:	Drawing No.: 3
			Date: 29.11.2023

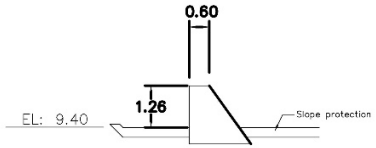




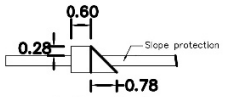
Section 5–5



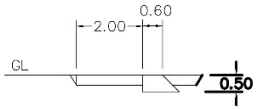
Section 1'–1'



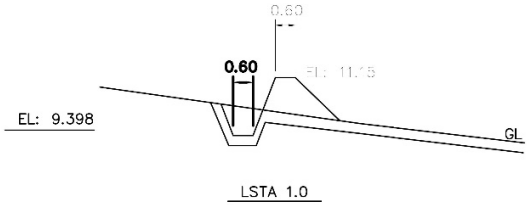
Section 4'–4'



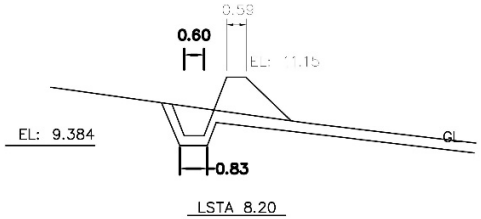
Section 3'–3'



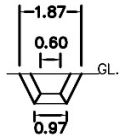
Section 4"–4"



Section 9–9



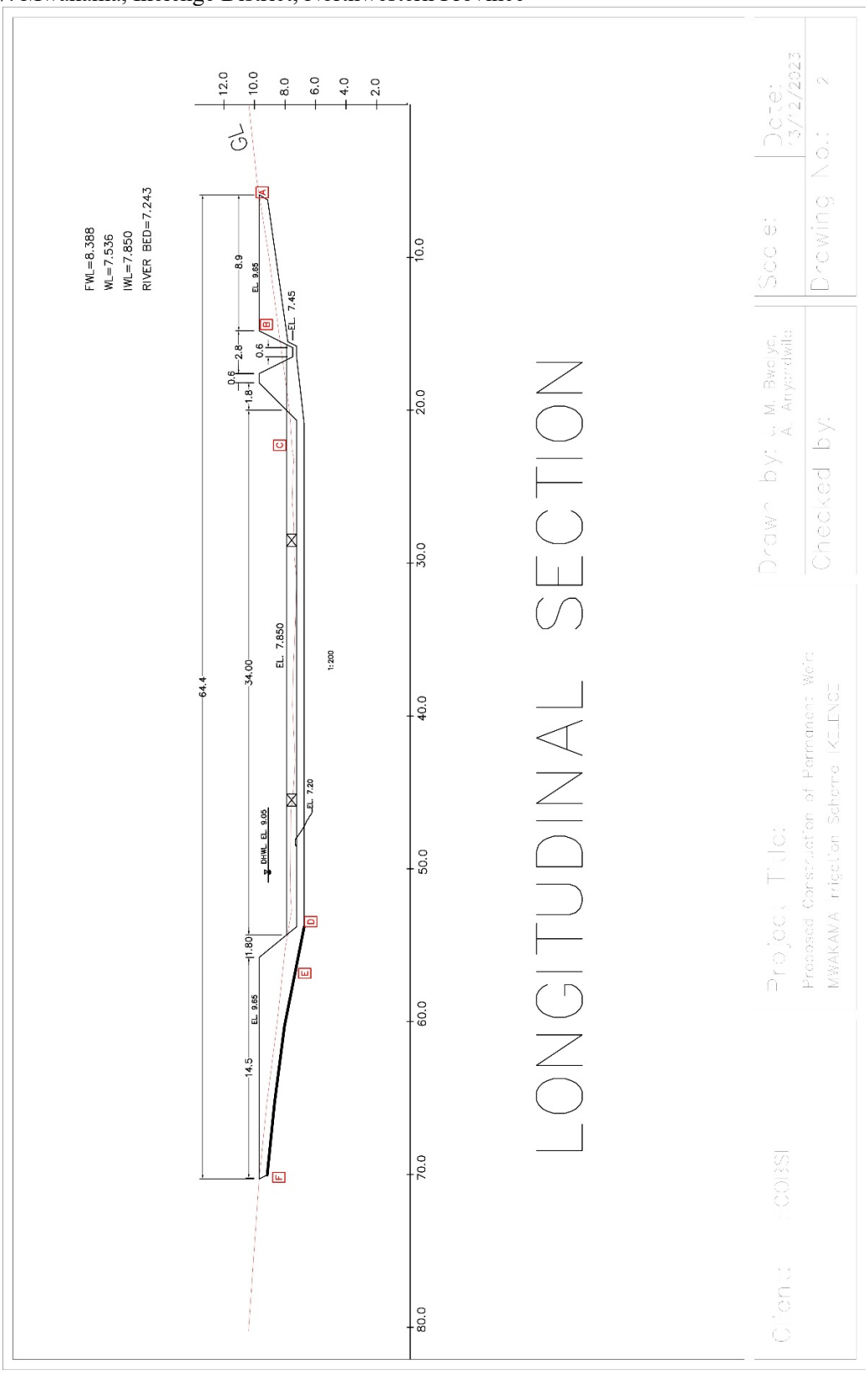
Section 10–10

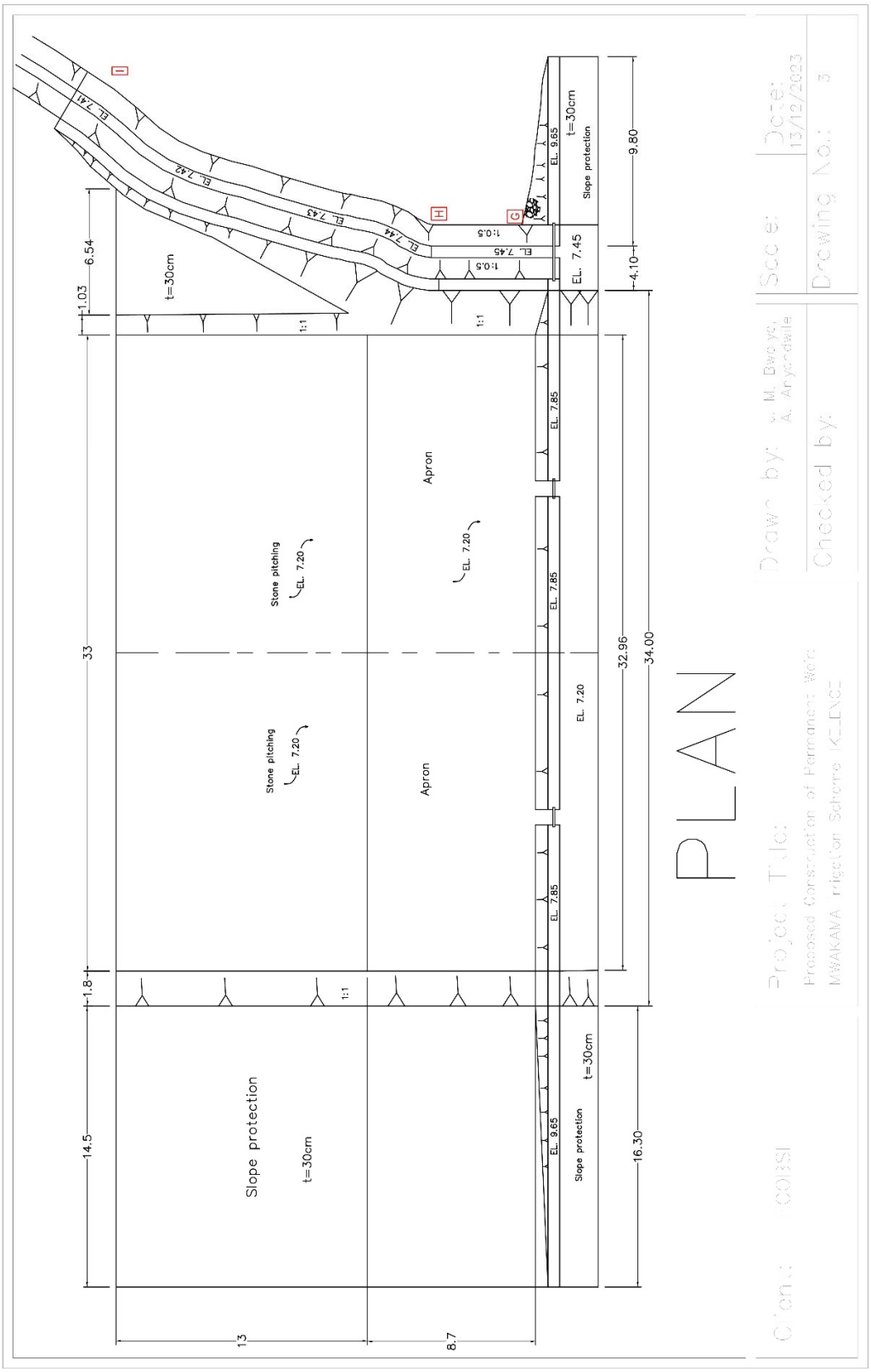


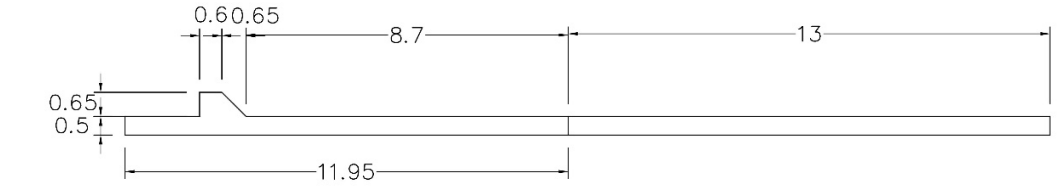
Section 8–8

Client: FCOBSI	Project Title: Proposed Construction of Permanent Weir: Kampoo Irrigation Scheme_KAS_MPA	Drawn by: Jackson M. Bwalya	Scale:
		Checked by:	Drawing No.: 4
			Date: 29.11.2025

7. Mwakama, Ikelenge District, Northwestern Province

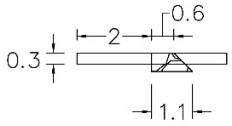



PLAN
Project Title:
Proposed Construction of Permanent Weir
MWAKAMA Irrigation Scheme KENYA
Client: COWSI
Drawn by: M. Bwoya, A. Anyonduwile
Checked by:
Scale:
Date: 13/12/2023
Drawing No.: 3
Slope protection
t=30cm
Stone pitching
EL. 7.20
Apron
EL. 7.20
Stone pitching
EL. 7.20
Apron
EL. 7.20
Slope protection
t=30cm
EL. 9.65
Slope protection
t=30cm
EL. 9.65
EL. 7.45
EL. 7.85
EL. 7.85
EL. 7.85
EL. 7.45
1:0.5
1:0.5
1:1
1:1
1:1
1:1
EL. 7.41
EL. 7.42
EL. 7.43
EL. 7.44
EL. 7.45
1.03
6.54
33
1.8
14.5
1.3
8.7
4.10
9.80
32.96
34.00
16.30

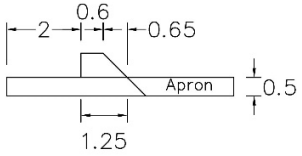


Apron
1:100

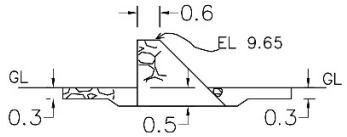
Silty sand
H = 0.65
La = 8.70
L = 21.90
Lb = 13.00



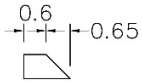
SECTION A–A



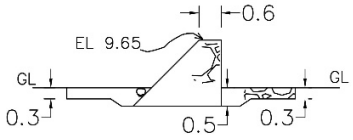
SECTION C–C



SECTION B–B



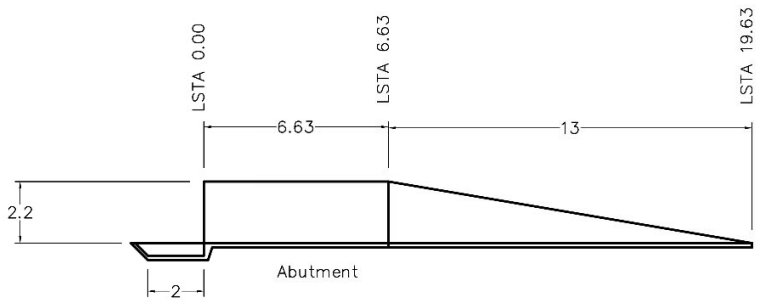
SECTION D–D

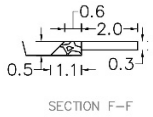


SECTION E–E

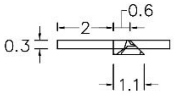
CROSS SECTIONS

Client: COBSI	Project Title: Proposed Construction of Permanent Weir MWAKAMA Irigation Scheme IKELENGE	Drawn by: Jackson M. Bwalya	Scale:
		Checked by:	Date: 13/12/2023
			Drawing No.:

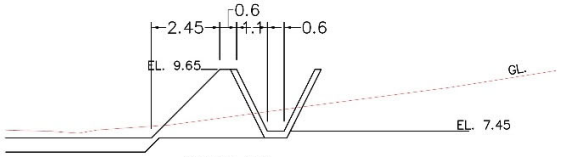




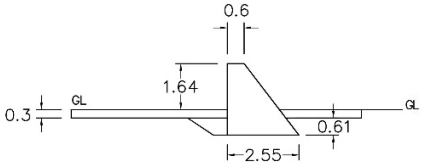
SECTION F–F



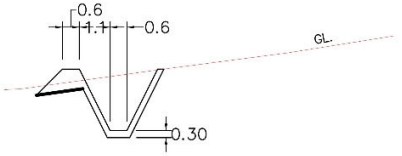
SECTION F–F



SECTION G–G



SECTION E–E

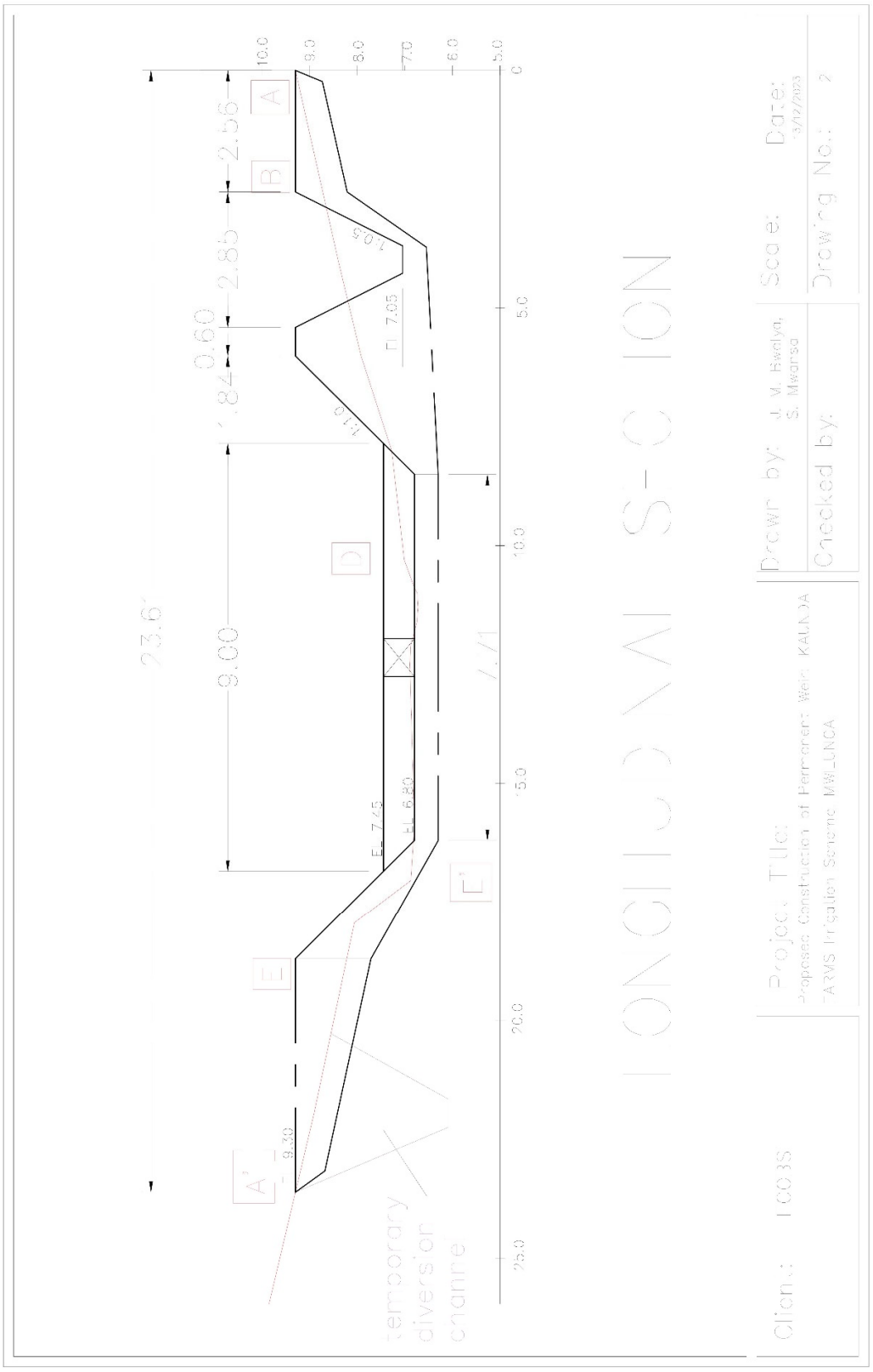


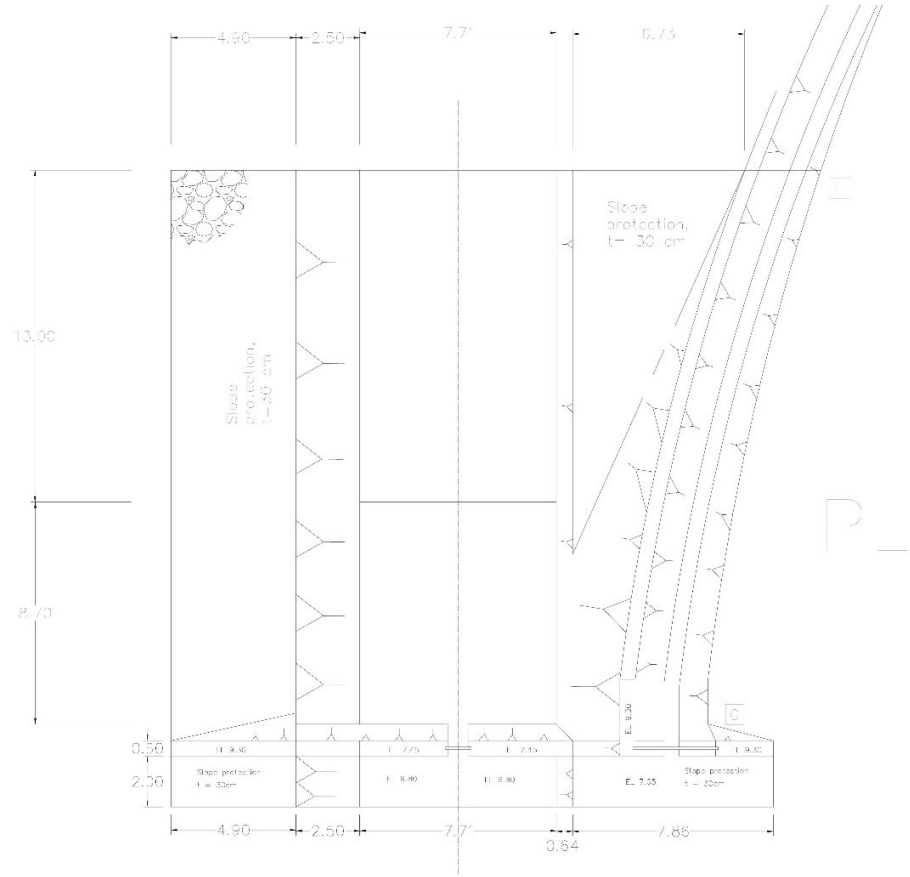
SECTION I–I

CROSS SECTIONS

Client: COBSI	Project Title: Proposed Construction of Permanent Weir: MWAKAMA Irrigation Scheme IKELENGE	Drawn by: Jackson M. Bwalya	Scale:
		Checked by:	Date: 3/12/2025
			Drawing No.: 5

8. Kaunda Farm, Mwinilunga District, Northwestern Province





PLAN

Client: LCOBSI

Project Title:
Proposed Construction of Permanent Weir: KAJANDA FARVS Irrigation Scheme_MWITUNGA

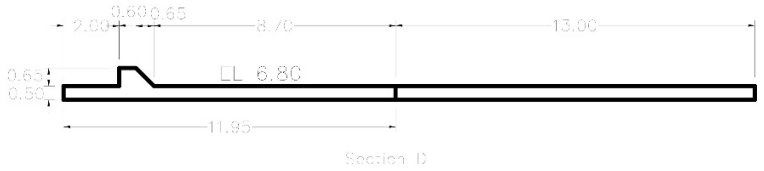
Drawn by: M. Bwayo, S. Mwenso

Checked by:

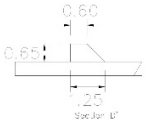
Scale:

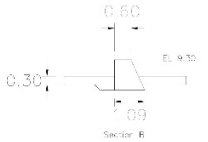
Date: 13/12/2013

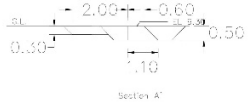
Drawing No.: 3



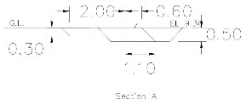
Section D



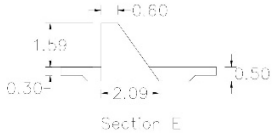




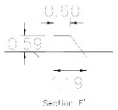
Section A'



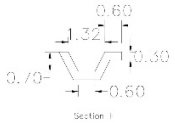
Section A



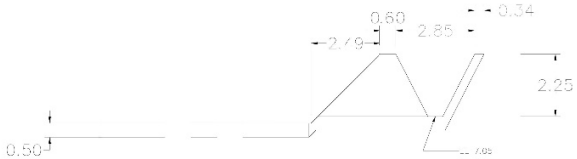
Section E



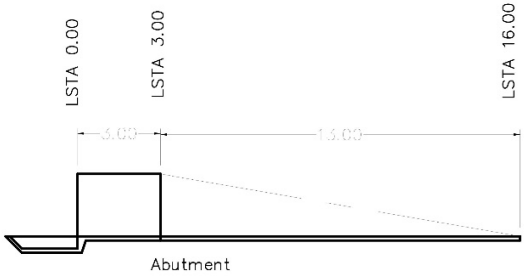
Section F



Section I



Section C

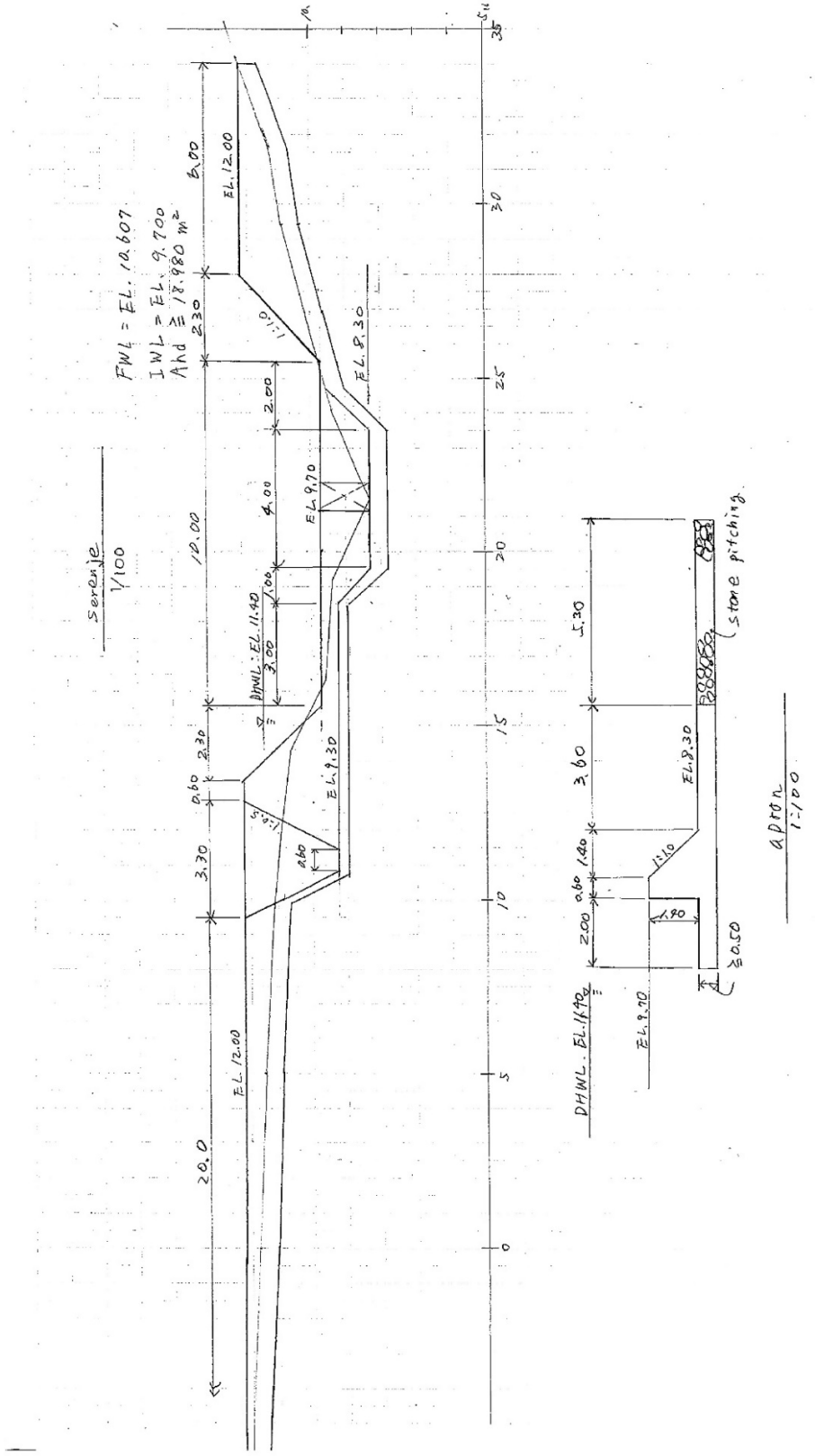


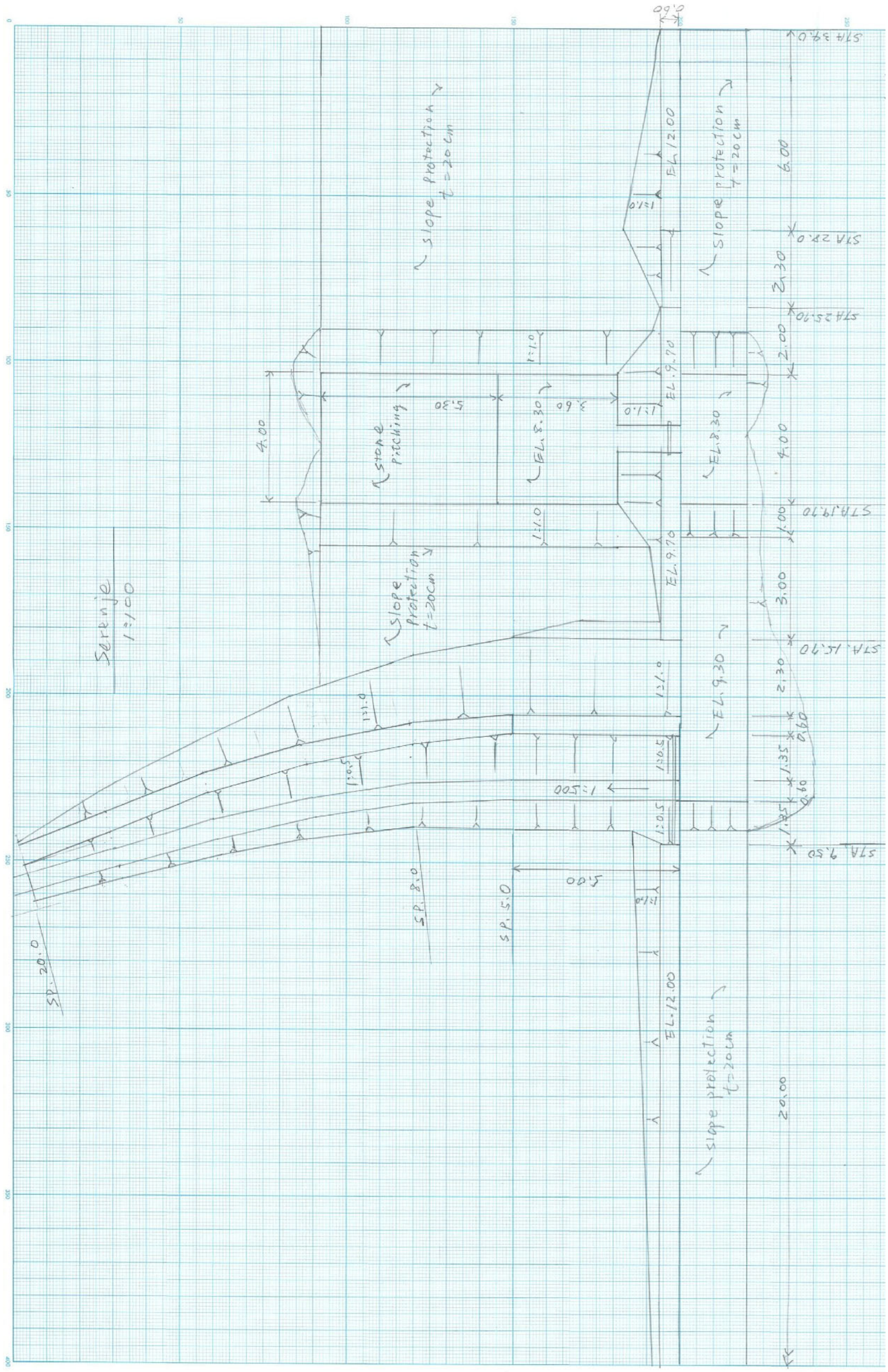
Abutment

CROSS SECTIONS

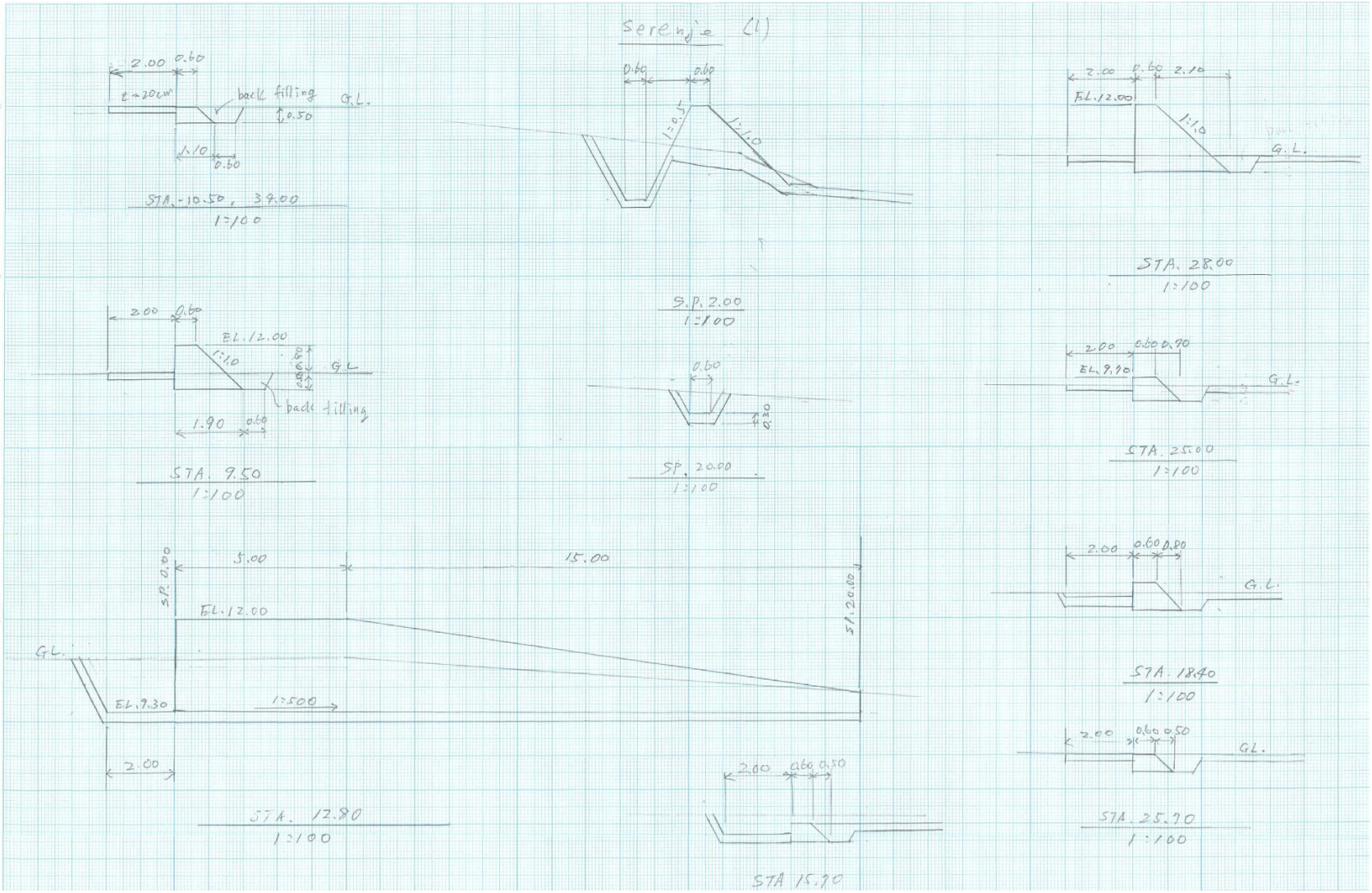
Client: LOBBS	Project Title: Proposed Construction of Permanent Weir: KAUNDA FARVS Irrigation Scheme_MWILUNGA	Drawn by: Jackson V. Bwalya	Scale: Date: 13/12/2023
		Checked by:	Drawing No.: 4

9. Kabwe Kupela, Serenje District, Central Province

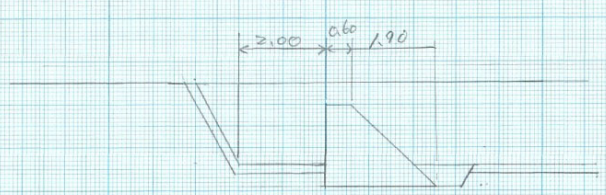




Serenje
1:100
slope protection
t=20cm
stone pitching
EL.12.00
EL.9.70
EL.8.30
EL.9.30
SP. 20.0
SP. 8.0
SP. 5.0

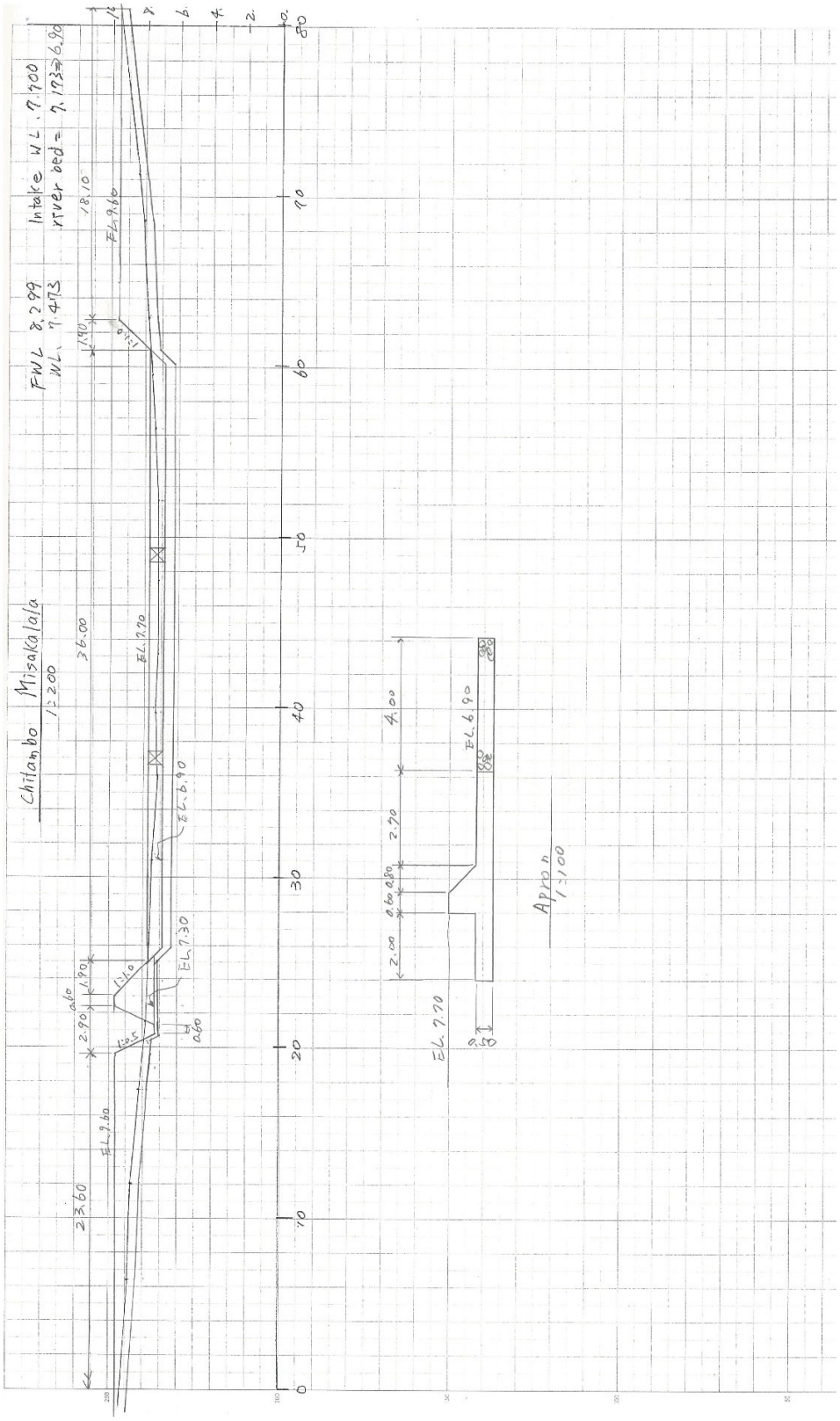

Sereno (1)
2.00
0.60
t=20cm
back filling
G.L.
0.50
1:1.0
0.60
STA. -10.50 , 3.900
1:100
2.00
0.60
EL.12.00
1:1.0
0.80
G.L.
back filling
1.90
0.60
STA. 9.50
1:100
S.P. 2.00
1:100
0.60
0.20
SP. 20.00
1:100
2.00
0.60
2.10
EL.12.00
1:1.0
G.L.
STA. 28.00
1:100
2.00
0.60
0.90
EL.9.90
G.L.
STA. 25.00
1:100
2.00
0.60
0.80
G.L.
STA. 18.40
1:100
2.00
0.60
0.50
G.L.
STA. 25.90
1:100
S.P. 0.00
5.00
15.00
EL.20.00
EL.12.00
G.L.
EL.9.30
1:500
2.00
STA. 12.80
1:100
2.00
0.60
0.50
STA 15.90

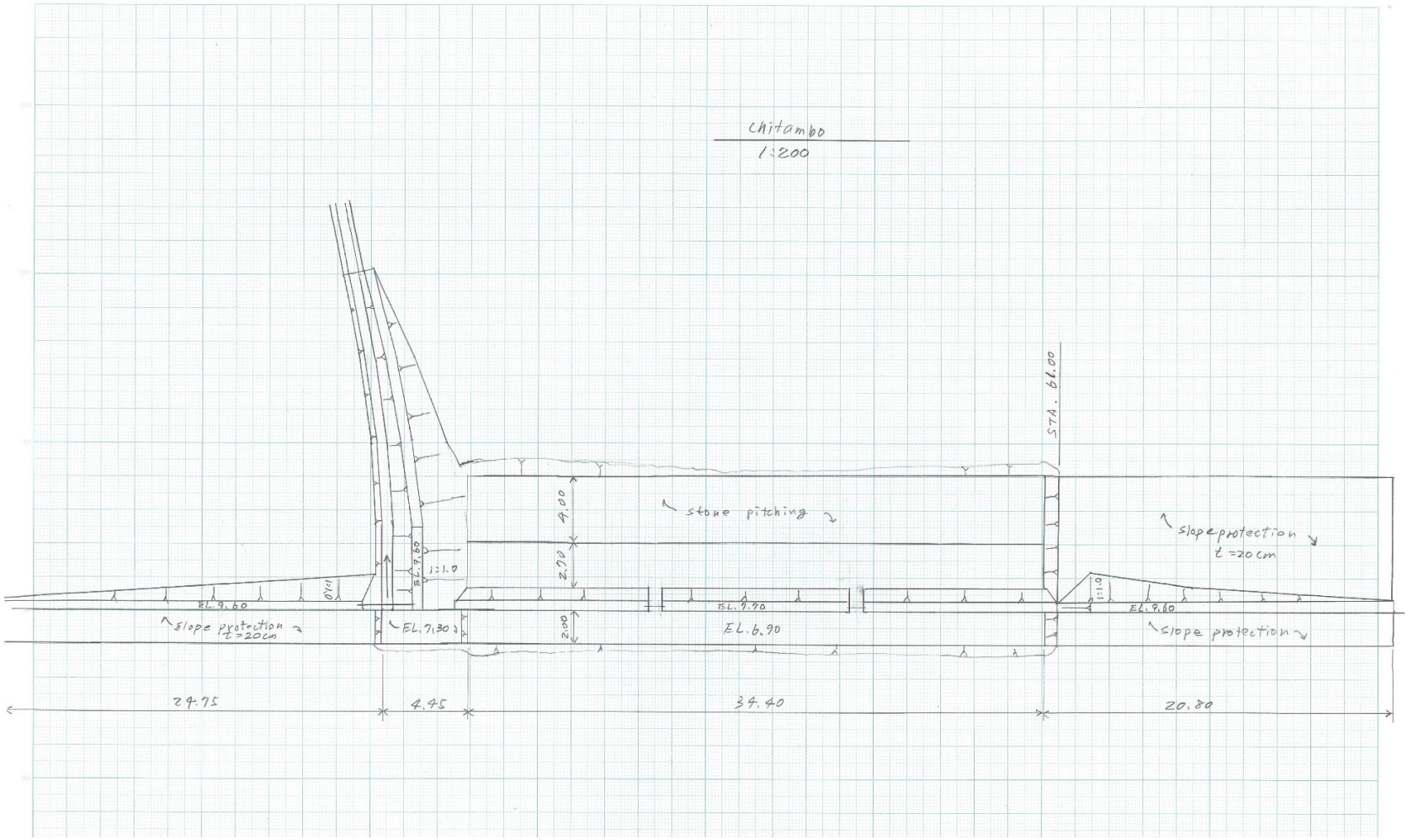
Serenje (2)



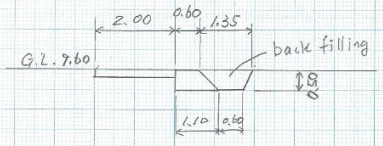
STA 19.70(-)
1:100

10. Misakalala, Chitambo District, Central Province

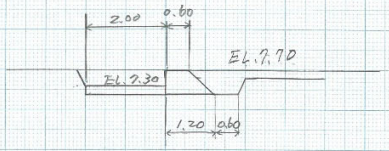



Chitambo
1:200
STA. 61.00
stone pitching
slope protection
t=20cm
slope protection
t=20cm
slope protection
EL. 9.60
EL. 9.60
EL. 9.60
EL. 7.130
EL. 6.90
EL. 9.70
1:1.0
1:1.0
1:1.0
4.00
2.70
2.00
24.75
4.45
34.40
20.80

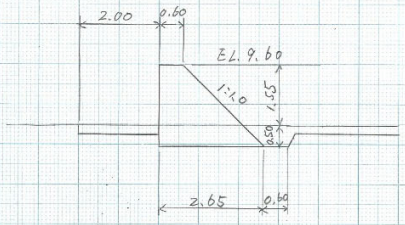
Chitambo Misankalala (1)



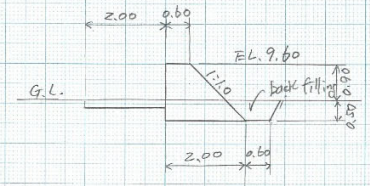
STA. -4.20



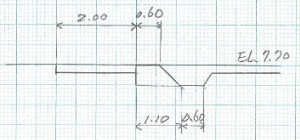
STA. 25.00



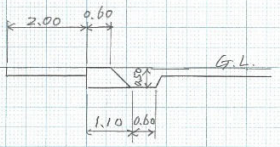
STA. 68.65



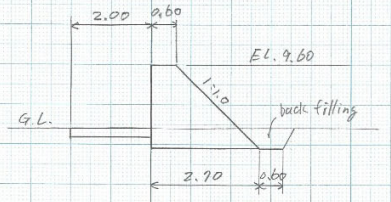
SP. 12.00



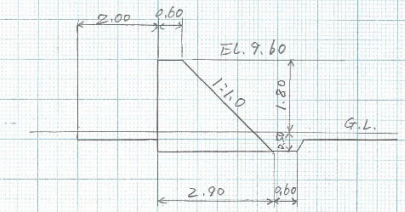
STA. 61.00



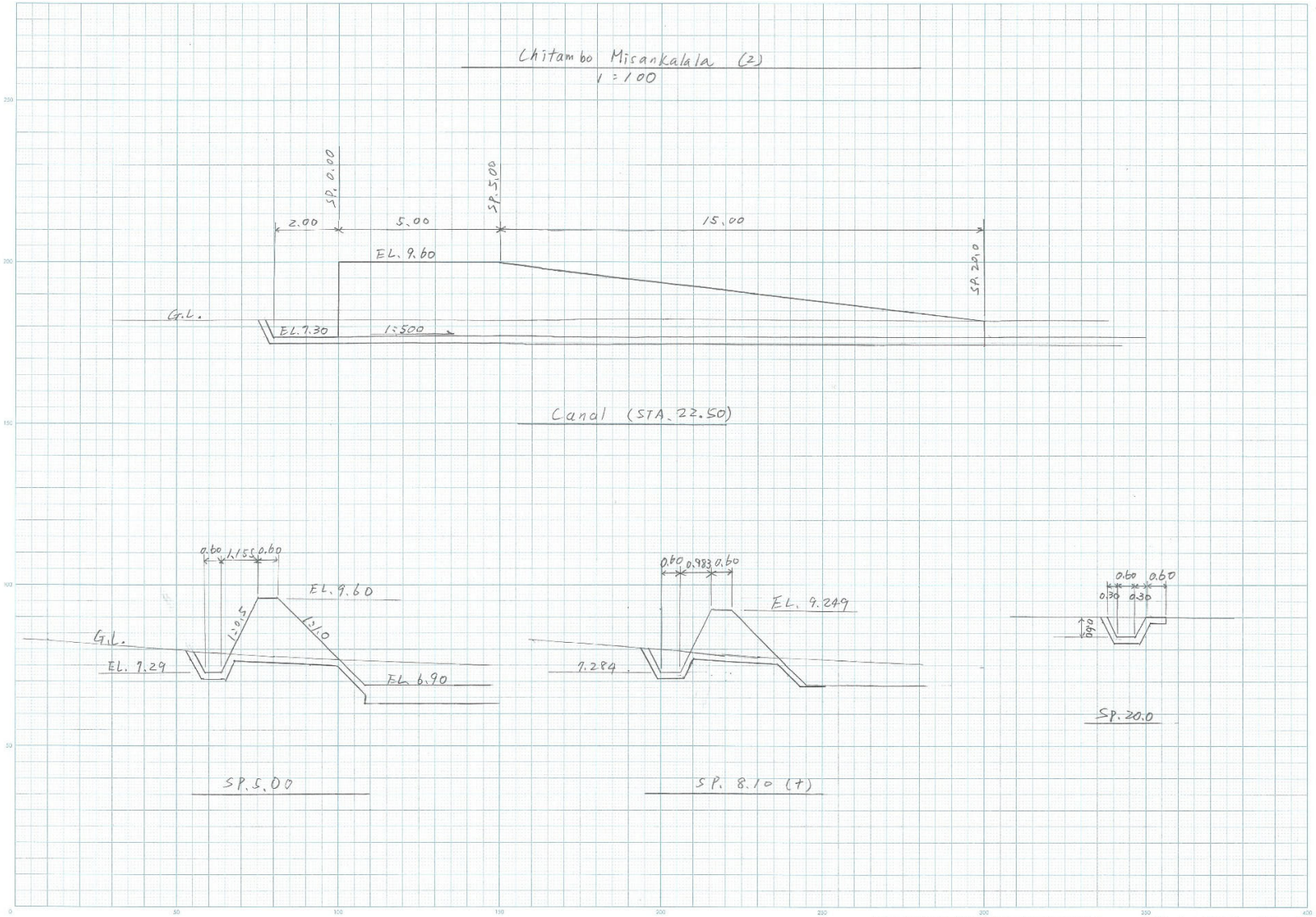
STA. 81.00



STA. 19.40



STA. 62.90



APPENDIX-VIII

Q&A for dissemination of *“Tebakari Eiyouhou”*

The meeting on the revision of Hand Scale Method (*Tebakari Eiyouhou*)

Date: 31st Jan 2023（Mon）9：00～16：00
Venue: Nomad's Court Lodge in Lusaka
E-COBSI: Ms. Nagino
Participants: Mr. Mulele, Ms. Rita (PFNO), SFNOs from 6 provinces

In order to disseminate the Hand Scale Method (Tebakari Eiyouhou) to district officers and extension officers, Q&A was discussed in the meeting.

Q&A

1. How can you measure the amount of food for children?

2. Whose palm to use when measuring food?

A. Please use your hand to measure the amount of your own food. But if you cook for family members, please imagine and estimate others' hand size for others' food.

3. Why should we use the hand scale?

A. To promote adequate intake of nutrients e.g. amount and variety, it also shows the recommended amounts on a varieties of foods to eat.

4.When do you use hand scale? Is it before or after food preparation?

A. Except Nshima, foods shown on Tebakari-Eiyouhou are raw (fresh), so please refer it before food preparation.

5. At what meal should the hand scale be used?

A: Tebakari-Eiyouhou shows the amount of food per day and per person. So the amount should be split into three meals and at every meal a person should use it.

6. Who should use the hand scale?

A: Anyone above 2 years old.

7. What should I do if not full after using the hand scale?

A: Consider activity and your situation. Adjust the amounts of food based on your situation. And encourage to eat food at least 3 meals per day. The habit of taking food only once a day is not recommended and should be changed.

8. Is the food on the hand scale enough to satisfy me?

A: Basically it satisfies you. But requirement of food depends on personality.

First, try Tebakari-Eiyouhou (Hand scale to serve food daily) and check your body condition. If you feel healthy, keep the amount from Tebkari-Eiyouhou. If you feel you get thin and want to increase your weight, please increase the amount of hand you serve. If you feel you gain weight too much, please decrease amount of hand you serve.

Look at your body and adjust the amount of food to be served depending on your volume of activities. Check yourself whether you maintain, gain or lose your weight. Tebakari-Eiyouhou can be adjusted depending on people.

Calories of food should be adjusted by the “Cereals and starchy roots and tubers” group.

9. How long should the hand scale be used?

A: Daily on all the meals.

10. We don’t have some of these foods, so what should we do?

A: Diversified production, increased productivity (income pathway). Purchase what you don’t have. Food preservation processing and storage.

11. How does hand scale takes care of people with special diets e.g. vegetarians or allergies?

A: Tebakari-Eiyouhou is for public. Those have disease, special consideration needs specific diets like hospital.

12. Culture don’t allow to measure food?

A: To reduce food wastage and to reduce the risks of NCDs, measuring food is necessary.