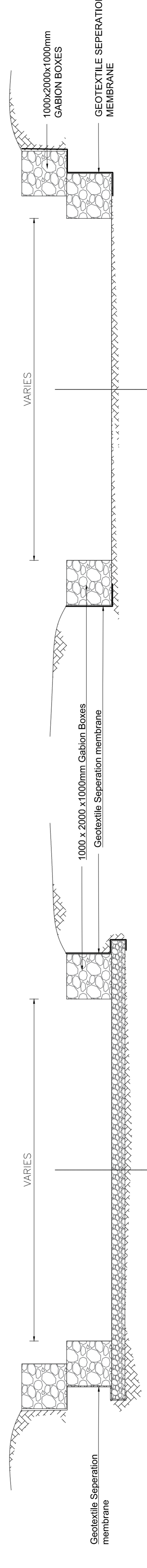


LWSC APPROACH ROAD SECTION 1
Scale 1:25

LWSC	Splash apron (m)	L1 (m)	L2 (m)	L3 (m)
Kidepo (Major)	4.00	40.00	40.00	-



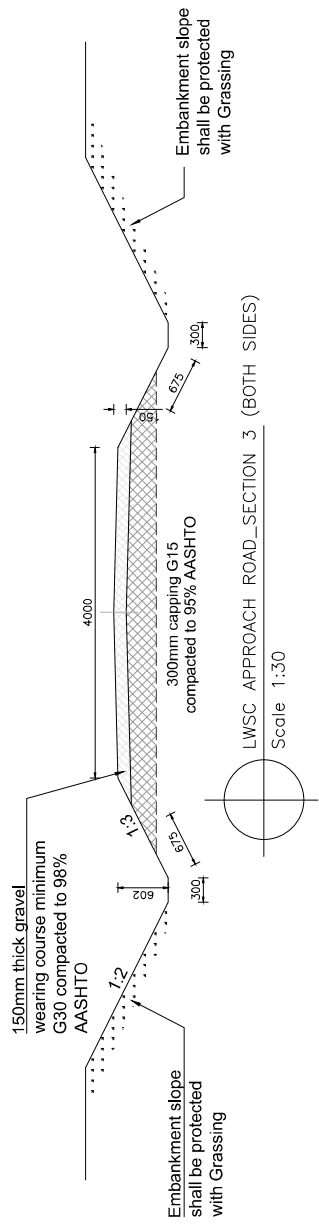
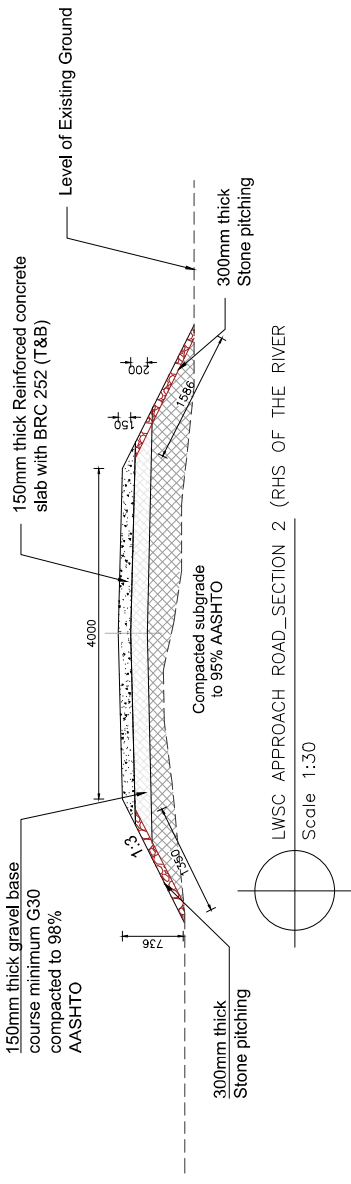
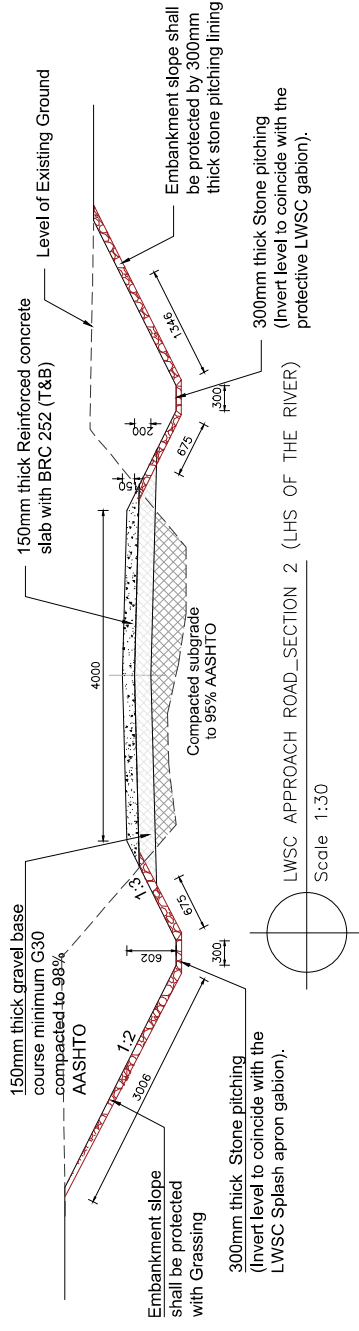
TYPICAL RIVER TRAINING CROSS SECTION (Down Stream)
Scale 1:25

TYPICAL RIVER TRAINING CROSS SECTION (Up Stream)
Scale 1:50

CONSULTANT: P14 107 Kira Road, Kampala, Uganda P.O.Box 8453, Kampala-Uganda Tel: +256 (0)393 740800 / 0701 740800 Email: mbc@mbw.co.ug	FUNDER: FROM THE AMERICAN PEOPLE	CLIENT: Uganda Wildlife Authority @ugandawildlifeauthority PO Box 234, Kampala, Uganda Tel: +256-41-385114, 385111, 385118	PROJECT NAME: USAID / Uganda Architect & Engineering Design and Construction Management Services		ACTIVITY NAME: Infrastructure for Biodiversity Conservation in Kidepo Valley National Park		DRAWING DESCRIPTION: LWSC RIVER APPROACH LWSC SECTION 1 AND TYPICAL RIVER TRAINING CROSS SECTIONS		DESIGNED BY: ENG. BB	APPROVED BY: ENG. NJ	REV. No. DATE DESCRIPTION OF REVISION BY	ENGINEER'S SEAL	SCALE: As Noted REF. FILE:
			CHECKED BY: ENG. BB	DATE: 2024.04.22	STATUS: DETAILED DESIGN	DRAWING NUMBER: 906-01-DWG-0-TS-001	PAPER: A3	COPYRIGHT RESERVED					

DOWNSTREAM

UPSTREAM



CONSULTANT: P.O. Box 400, Kampala, Uganda Tel: +256 471 220000 Email: info@mbmug.com	FUNDER: UNITED STATES OF AMERICA	CLIENT: Uganda Wildlife Authority Biodiversity Conservation PO Box 2000, Kampala Tel: +256 471 221111 Email: info@uwau.org	PROJECT NAME: USAID Uganda Architect & Engineering Design and Construction Management Services	DESIGNED BY: Doc. No.	ENGINEER'S SEAL: _____	SCALE: As Noted
			ACTIVITY NAME: Infrastructure for Biodiversity Conservation in Kidepo Valley National Park	DRAWN BY: Doc. No.	CHECKED BY: Doc. No.	APPROVED BY: Doc. No.
DRAWING DESCRIPTION: LWSC RIVER APPROACH TYPICAL APPROACH ROAD AND LWSC SECTIONS			REV. NO.	DATE	DESCRIPTION OF REVISION	BY
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KIDEPO MAJOR LWSC



CONSULTANT:  Plot 107 Old Bus Road, Kampala P.O. Box 843, Kampala-Uganda Tel: +256 312 250000 / 312 250001 Email: info@m&w.co.ug	FINDER:  USAID UNITED STATES OF AMERICA FOR THE AMERICAN PEOPLE	CLIENT:  Uganda Wildlife Authority Government of Uganda 14 Plot 107 Old Bus Road, Kampala 20111, Uganda 20111	PROJECT NAME: USAID / Uganda Architect & Engineering Design and Construction Management Consulting Services	DESIGNED BY: ENC: RB	ENGINEER'S SEAL: _____ _____ _____	SCALE: AS SHOWN DATE: 03/2024 STATUS: DETAILED DESIGN DRAWING NUMBER: 906-01-DWG-D-P-01
			ACTIVITY NAME: Infrastructure for Biodiversity Conservation in Kigezi Valley National Park DRAWING DESCRIPTION: KIBFO MAIN LINES PLAN VIEW	DRAWN BY: JMK CHECKED BY: ENC: RB APPROVED BY: _____	REV. No. DATE DESCRIPTION OF REVISION BY	COPYRIGHT RESERVED



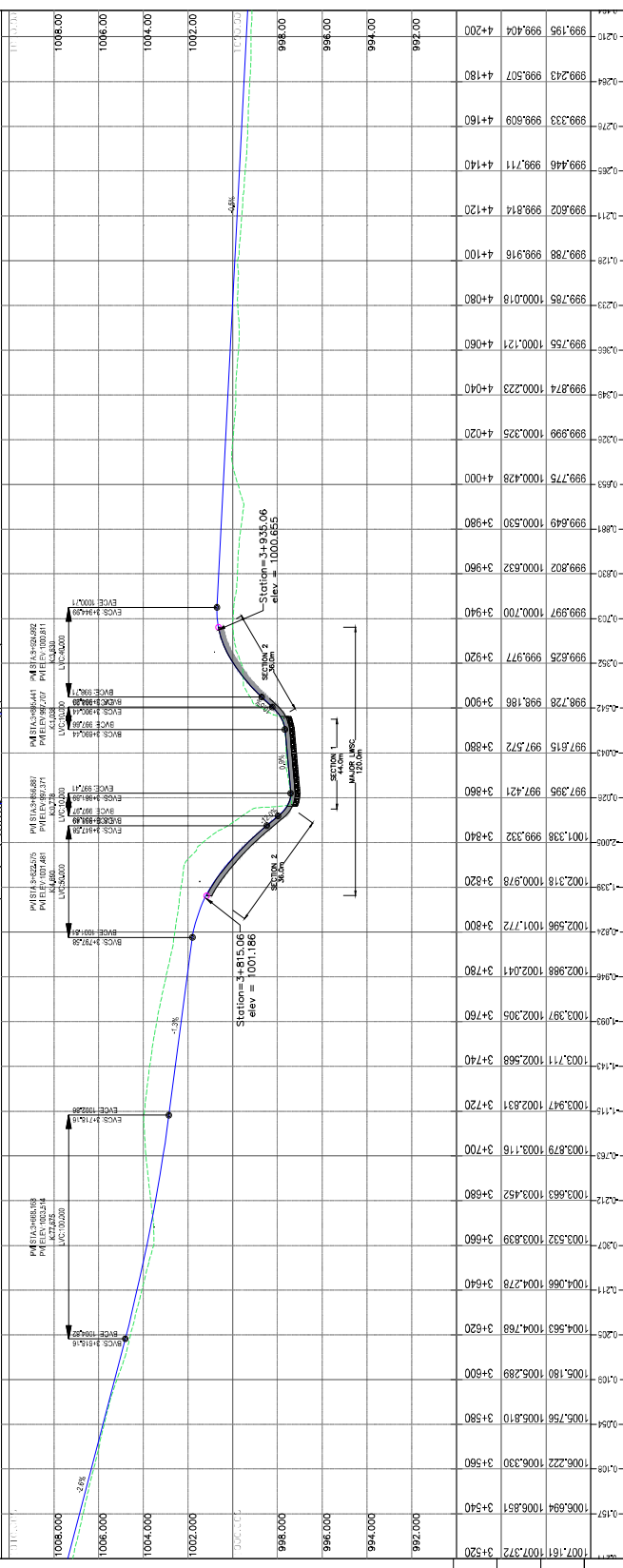
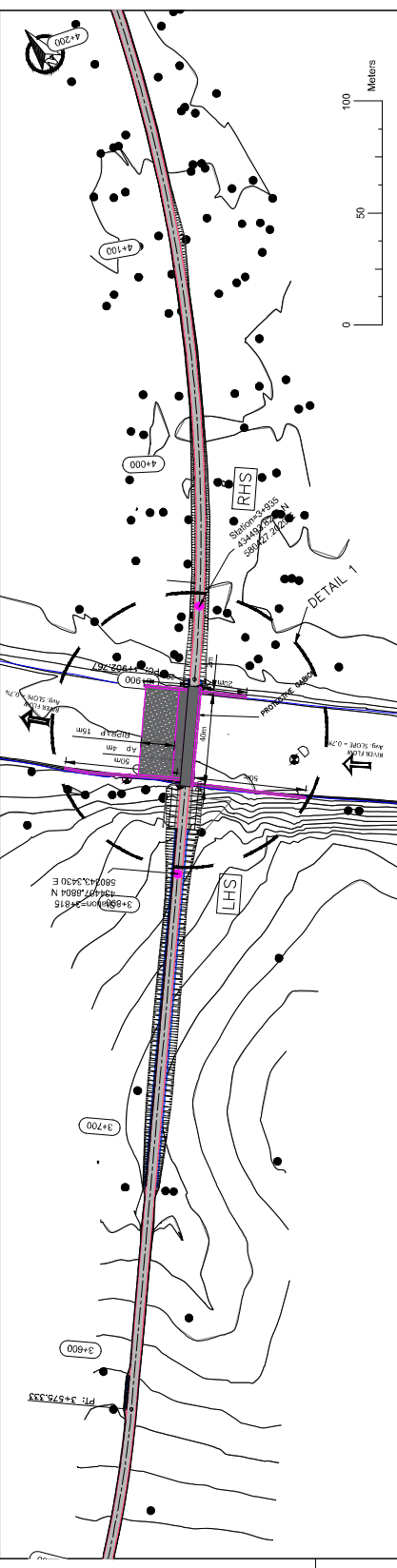
CONSULTANT: Plot 107, Old Road, Kampala P.O. Box 8484, Kampala Tel: +256 312 220000 / 220001 Fax: +256 312 220002 Email: mw@mweng.com	FUNDER: United States Agency for International Development	CLIENT: Uganda Wildlife Authority Government of Uganda P.O. Box 20727, Kampala Tel: +256 312 251111 Fax: +256 312 251112	PROJECT NAME: USAID / Uganda Architect & Engineering Design and Construction Management Consulting Services ACTIVITY NAME: Infrastructure for Biodiversity Conservation in Kigezi Valley National Park, DRAWING DESCRIPTION: MBEPO MAJOR LUMP TEST PITS LOCATION	DESIGNED BY: ENR. 09	DRANN BY: AMK	CHECKED BY: ENR. 09	APPROVED BY: ---	REV. NO.	DATE	DESCRIPTION OF REVISION	BY
				ENGINERS SEAL:	SCALE: AS SHOWN	STATUS: DETAILED DESIGN	DATE: MAR 2024	DRAWING NUMBER: 006-01-DWG-D-P-03	ENGINEER'S NAME:	DATE:	SCALE:

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PLAN & PROFILE OF LWSC AND APPROACH ROAD

LEGEND

- BUILDING FOOTPRINT
- FOREST
- SWAMP
- WATER BODY
- HUMP
- RIMULE STRIPS
- CULVERT (PROFILE)
- INLET
- MAN HOLE
- DATE
- ROAD MARKING
- SAFETY CONTROL
- BRIDGE
- BORE-HOLE
- MAIN HOLE
- DESIGN SPEED
- OPERATION SPEED
- TYPICAL CROSS SECTIONS
- PAVEMENT DESIGN
- GRAVEL WEARING COURSE
- GRAVEL FILL



CHAINAGE (KM)	FINISHED ROAD LEVEL - CL (m)	EXISTING GROUND LEVEL - CL (m)	FILL (+) / CUT (-) (m)	HORIZONTAL SCHEMATIC	VERTICAL SCHEMATIC	SUPERELEVATION
1007.161	1007.372	1007.572	3+520	L=358.675m R=500.000m	L=100.00m K=77.615	
1006.694	1006.651	1006.330	+340	L=79.41 G=-16%	L=50.00m K=4.690	
1006.222	1006.330	1005.810	+360	L=327.434m	L=50.00m K=4.690	
1005.756	1005.810	1005.289	+380		L=50.00m K=4.690	
1005.180	1005.289	1004.768	+380		L=50.00m K=4.690	
1004.563	1004.768	1004.278	+380		L=50.00m K=4.690	
1004.066	1004.278	1003.639	+360		L=50.00m K=4.690	
1003.532	1003.639	1003.452	+380		L=50.00m K=4.690	
1003.879	1003.116	1002.831	+3700		L=50.00m K=4.690	
1003.947	1002.831	1002.568	+3740		L=50.00m K=4.690	
1003.711	1002.568	1002.305	+3760		L=50.00m K=4.690	
1002.988	1002.041	1001.772	+3800		L=50.00m K=4.690	
1002.596	1001.772	1001.421	+3860		L=50.00m K=4.690	
997.395	997.421	997.572	+3880		L=50.00m K=4.690	
997.615	997.572	997.886	+3900		L=50.00m K=4.690	
998.278	998.186	998.977	+3920		L=50.00m K=4.690	
999.625	998.977	1000.700	+3940		L=50.00m K=4.690	
999.597	1000.700	1000.632	+3960		L=50.00m K=4.690	
999.802	1000.632	1000.530	+3980		L=50.00m K=4.690	
999.649	1000.530	1000.428	+4000		L=50.00m K=4.690	
999.775	1000.428	1000.325	+4020		L=50.00m K=4.690	
999.998	1000.325	1000.223	+4040		L=50.00m K=4.690	
999.874	1000.223	1000.121	+4060		L=50.00m K=4.690	
999.755	1000.121	1000.018	+4080		L=50.00m K=4.690	
999.788	1000.018	999.916	+4100		L=50.00m K=4.690	
999.602	999.916	999.814	+4120		L=50.00m K=4.690	
999.446	999.814	999.711	+4140		L=50.00m K=4.690	
999.333	999.711	999.609	+4160		L=50.00m K=4.690	
999.243	999.609	999.507	+4180		L=50.00m K=4.690	
999.195	999.507	999.404	+4200		L=50.00m K=4.690	

CLIENT: USAID Uganda Architect & Engineering Design and Construction Management Consulting Services

ACTIVITY NAME: Infrastructure for Biodiversity Conservation in Kidepo Valley National Park

DRAWING DESCRIPTION: MECHANICAL AND ELECTRICAL VERTICAL PROFILES

FUNDER: USAID

CONSULTANT: MBW

PROJECT NAME: USAID Uganda Architect & Engineering Design and Construction Management Consulting Services

ACTIVITY NAME: Infrastructure for Biodiversity Conservation in Kidepo Valley National Park

DRAWING DESCRIPTION: MECHANICAL AND ELECTRICAL VERTICAL PROFILES

SCALE: AS SHOWN

DATE: MAR 2024

REVISION NUMBER: 1

DESIGNED BY: [Name]

CHECKED BY: [Name]

APPROVED BY: [Name]

REV. NO. DATE DESCRIPTION OF REVISION

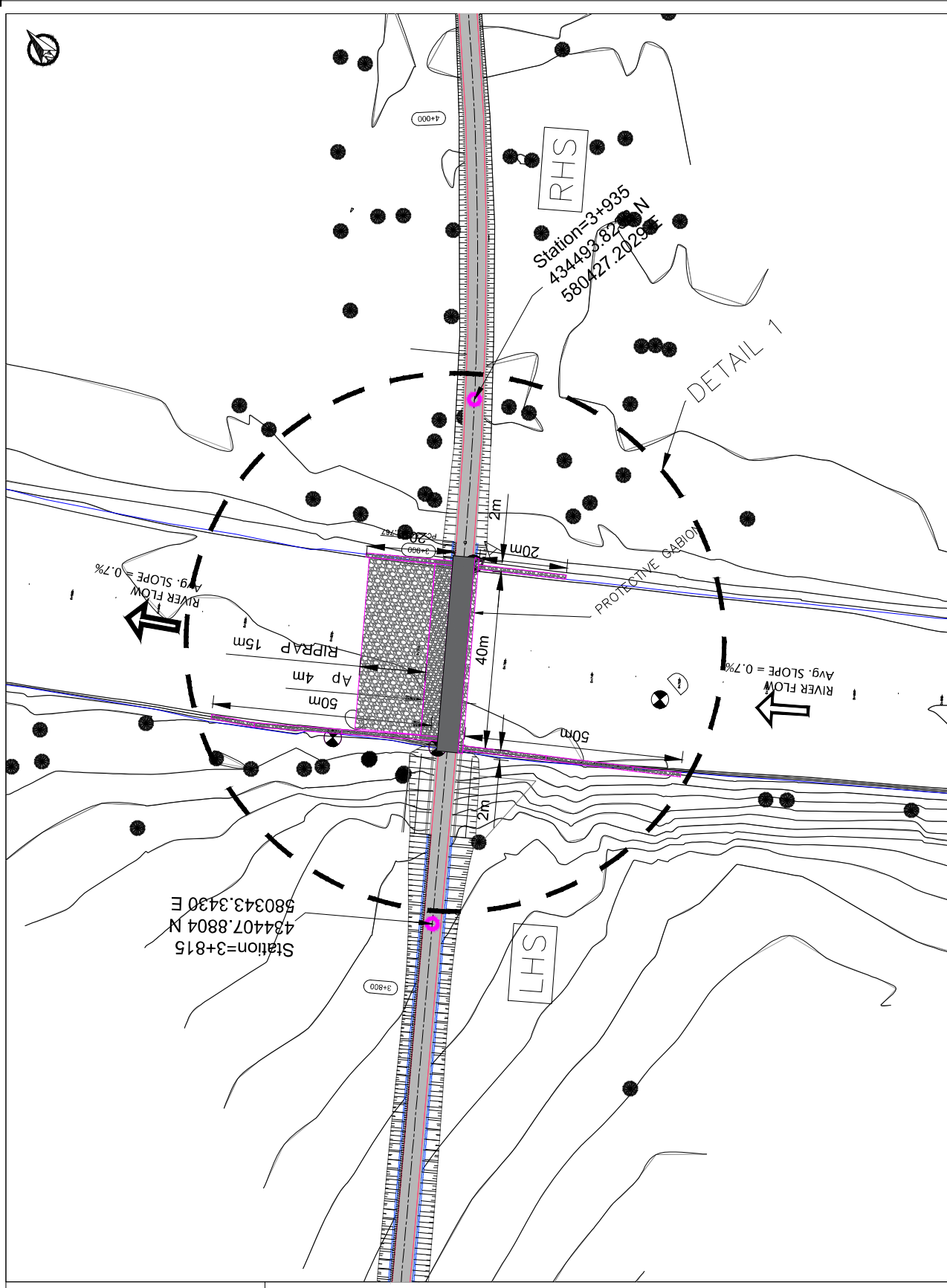
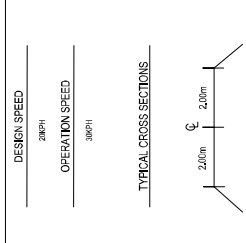
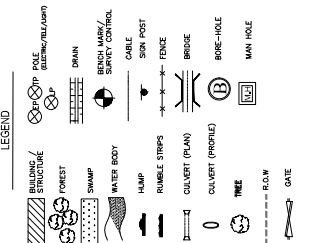
BY

DESCRIPTION OF REVISION

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906-01-DWG-D-PP-

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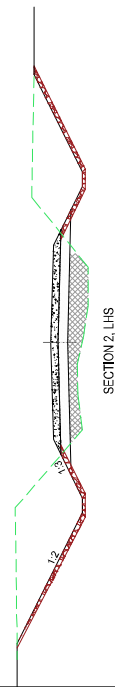
CONSULTANT: 104, 107 Nile Road, Kampala, Uganda Tel: +256 312 748000 / +256 312 748001 Email: info@mbw.com	FUNDER: UNITED STATES OF AMERICA AID	CLIENT: Uganda Wildlife Authority Plot 2555, Bwindi Impressions, Uganda 187-770000 201111	PROJECT NAME: USAID / Uganda Architect & Engineering Design and Construction Management Consulting Services	DESIGNED BY: ENC. BB	ENGINEER'S SEAL
			ACTIVITY NAME: Infrastructure for Biodiversity Conservation in Kidepo Valley National Park.	DRAWN BY: JMK	CHECKED BY: ENC. BB
DRAWING DESCRIPTION: BRIDGE AND GABION PLAN VIEW	APPROVED BY: 	REV. NO.	DATE	DESCRIPTION OF REVISION	BY

DOWNSTREAM SIDE

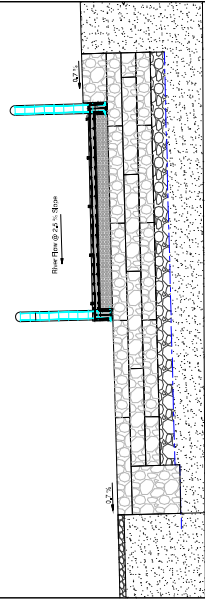
UPSTREAM SIDE

DOWNSTREAM SIDE

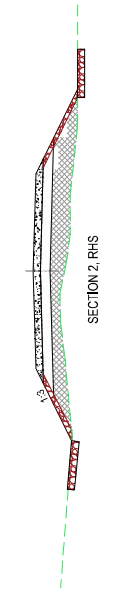
UPSTREAM SIDE



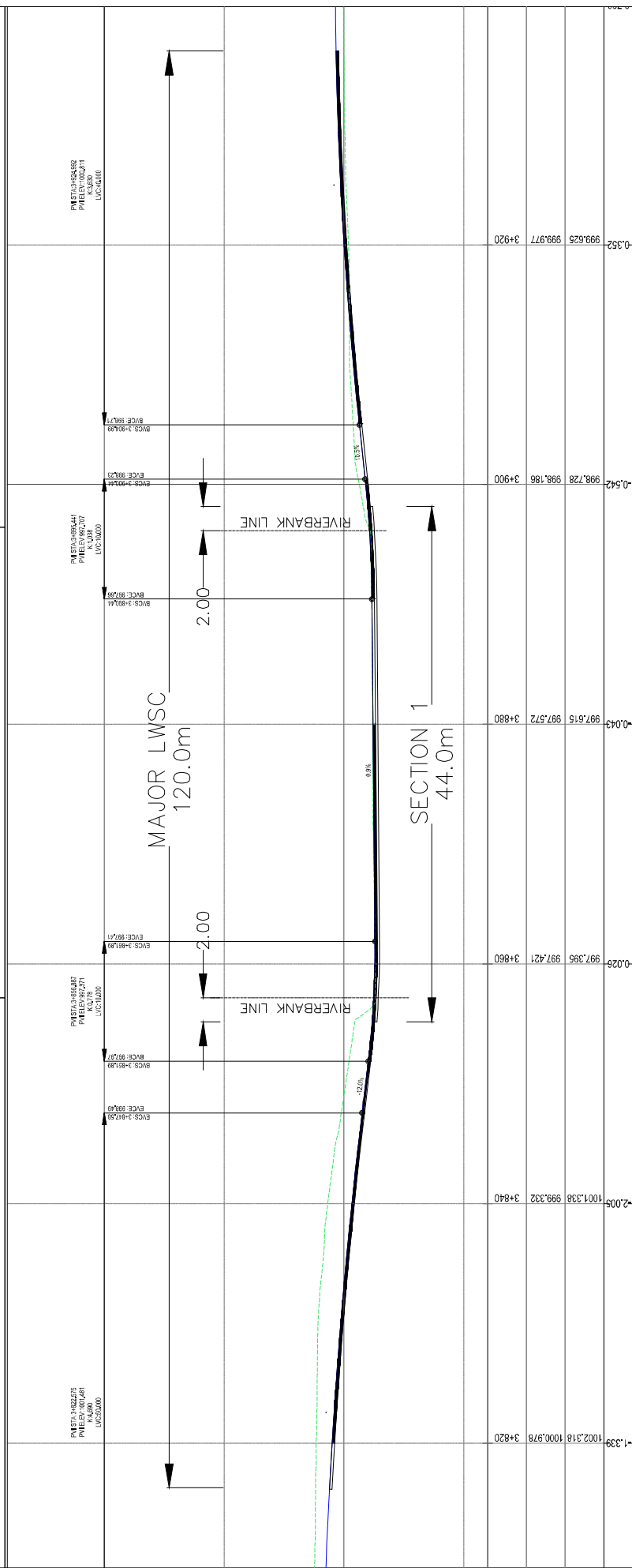
SECTION 2, LHS



SECTION 1, LWSC



SECTION 2, RHS



L=50.00m
K=4.650

L=4.31
G=12.0%

L=10.00m
K=0.778

L=28.55m
G=0.9%

L=10.00m
K=1.038

L=1.55m
G=10.5%

L=10.00m
K=3.630

CONSULTANT: MBW Consulting
 Plot 107, 2nd Road, Kamukama, Kampala
 Tel: +256 444 400000
 Fax: +256 444 400000
 Email: info@mbw.co.ug

FUNDER: USAID
 UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT

CLIENT: Uganda Wildlife Authority
 Ministry of Natural Resources
 MBWP MAJOR LWSC VP DETAIL_1_103_ASSETTS.SIF MAJOR LWSC VERTICAL PROFILE DETAIL

PROJECT NAME: USAID / Uganda Architect & Engineering Design and Construction Management Consulting Services
ACTIVITY NAME: Infrastructure for Biodiversity Conservation in Kidepo Valley National Park.
DRAWING DESCRIPTION:

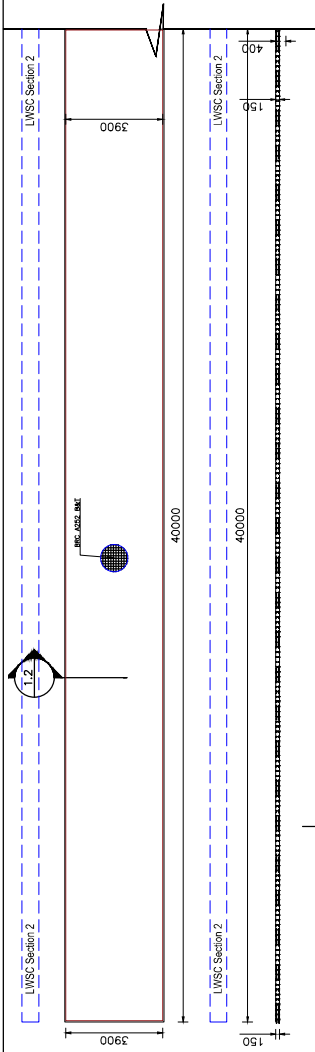
DESIGNED BY: ENC. BB
DRAWN BY: JMK
CHECKED BY: ENC. BB
APPROVED BY: ---

ENGINEER'S SEAL:

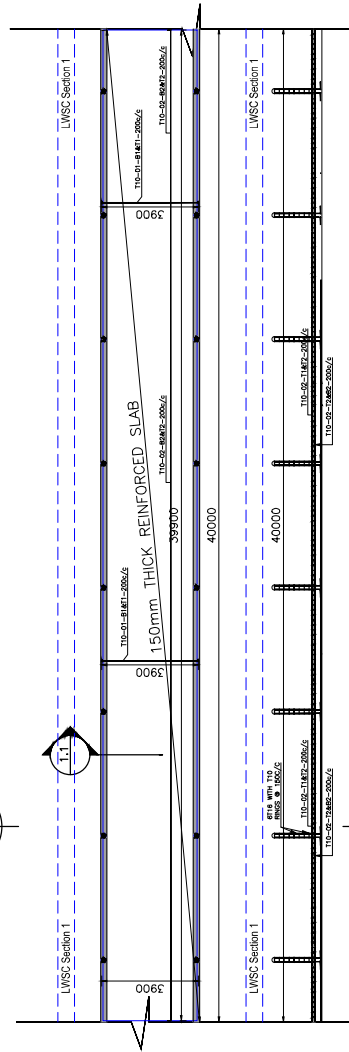
REV. No.	DATE	DESCRIPTION OF REVISION	BY

SCALE: AS SHOWN
STATUS: DETAILED DESIGN
DATE: MAR 2024
DRAWING NUMBER: 906-01-JWG-D-PR-1
PAPER: PAPER
STATUS: DETAILED DESIGN
DATE: MAR 2024
DRAWING NUMBER: 906-01-JWG-D-PR-1
PAPER: PAPER

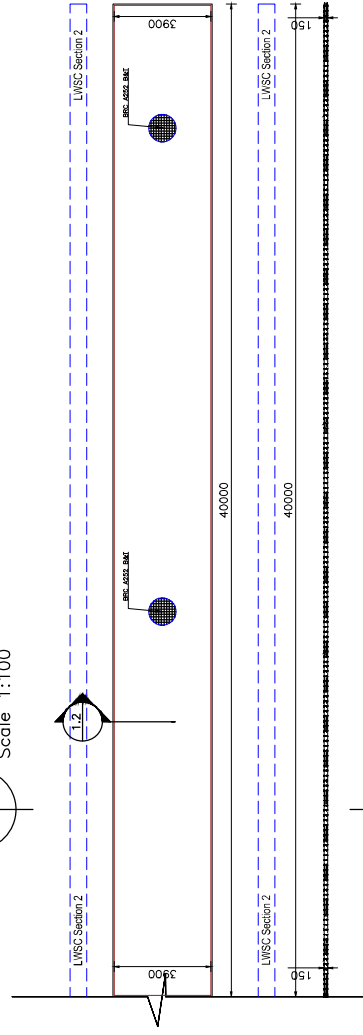
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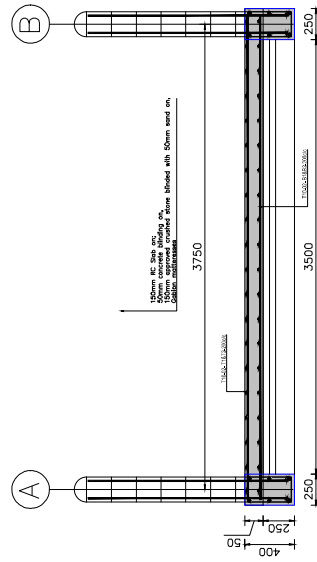
LWSC APPROACH - Plan & Longitudinal Section 2 (LHS)
Scale 1:100



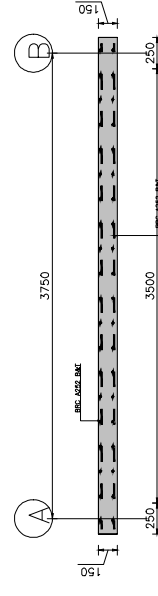
LWSC APPROACH - Plan & Longitudinal Section 1
Scale 1:100



LWSC APPROACH - Plan & Longitudinal Section 2 (RHS)
Scale 1:100



Section 1-1
Scale 1:20



Section 2-2
Scale 1:20

CONSULTANT: Plot 102, Kibira Road, Kampala, Uganda Tel: +256 312 242000 Email: info@mvaconsulting.com	FUNDER: UNITED STATES OF AMERICA FOR PEOPLES	CLIENT: Uganda Wildlife Authority Department of Infrastructure PO Box 2888, Kampala, Uganda Tel: +256 401114 38111, 38118	PROJECT NAME: USAD / Uganda Architect & Engineering Design and Construction Management Services		DESIGNED BY: Eng. B.S. DRAWN BY: Sr. CHECKED BY: Eng. B.S. APPROVED BY: Eng. J.J.	ENGINEER'S SEAL: [Blank]	SCALE: As Noted / SITE FILE
			ACTIVITY NAME: Infrastructure for Biodiversity Conservation in Kidepo Valley National Park	DRAWING DESCRIPTION: LWSC AND APPROACH ROADS KALABE LWSC STRUCTURAL PLAN AND LONGITUDINAL SECTION			REV. NO. DATE DESCRIPTION OF REVISION BY