

**REPUBLIC OF UGANDA**



**VOLUME 4-2: BOOK OF DRAWINGS  
(TIRINYI TRANSMISSION MAINS - PROFILES)**

**INTEGRATED WATER MANAGEMENT AND DEVELOPMENT PROJECT (IWMDP)**

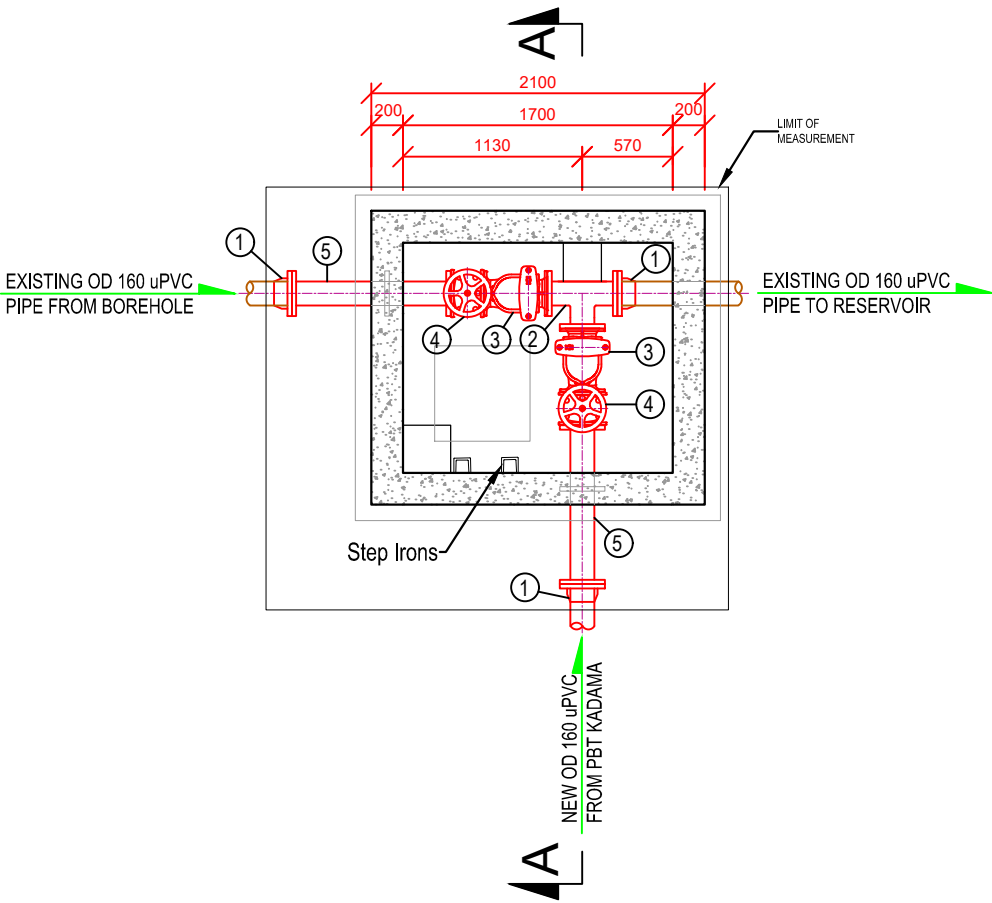
**CONSTRUCTION OF TIRINYI, KIBUKU, KADAMA AND BUDAKA WATER  
SUPPLY AND SANITATION SYSTEM**

**CONTRACT NO: MWE/WRKS/21-22/00005/1**

**SUBMITTED BY:**



**JULY 2022**



**PIPE & FITTING SCHEDULE**

ITEM	Qty.	Dia.	BoQ Item	DETAILS	DESCRIPTION
①	3	150 mm	n/a		DN 150 Ductile Iron, Ranger Type Flange Adaptor, Connection to OD 160 mm uPVC pipe. Epoxy coated with anchor bolts.
②	1	150 mm	n/a		DN 150 mild steel Tee-Piece, Hot-dip galvanized, Flanged on all sides, or Ductile Iron to DIN EN 545 (cement mortar lined)
③	2	150 mm	n/a		DN 150, Non-Return Valve, Disk Type for horizontal installation, resilient seated, full bore type for low head loss, turnable disk for double service life, with maintenance access and threaded plug 3/4", Materials Body, Bonnet and Check Valve Disk cast iron, Disk all around EPDM vulcanized, Bolts in Stainless Steel, Plug in Brass, Corrosion Protection with Epoxy Coating
④	2	150 mm	n/a		DN 150 Gate Valve to EN 558-1, basic series 14, resilient seated, flanged on both sides, epoxy coated to bs 6920, Body Bonnet and Wedge Ductile Iron, Wedge EPDM vulcanized, Stem in Stainless Steel, incl handwheel
⑤	2	150 mm	n/a		DN 150 mild steel spool piece, length = 1000 mm, with Puddle Flange, Hot-dip galvanized, Flanged on all sides, or Ductile Iron to DIN EN 545 (cement mortar lined)

FL = Flange, PL = Plain End, PF = Puddle Flange

**Notes**

**Pipework, Valves and Equipment**

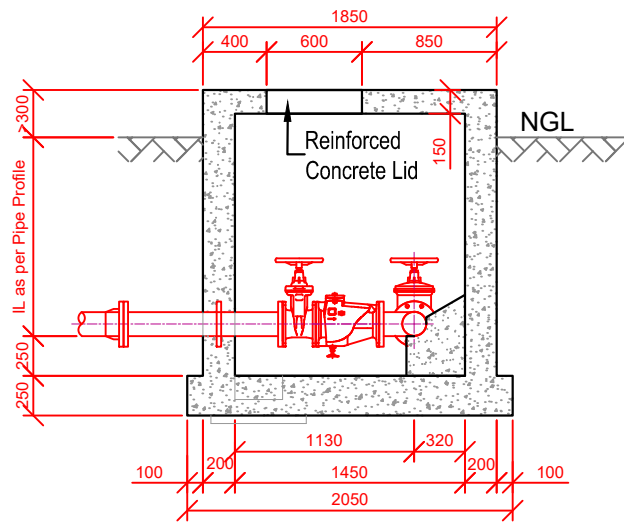
- ANY INCOMPATIBILITIES WITH REGARDS TO THE SPECIFICATION MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ORDERING THE MATERIALS
- ALL RSV GATE VALVES MUST BE CLOCKWISE CLOSING
- ALL VALVES TO BE PLACED ON MASS CONCRETE PEDESTALS
- GALVANIZING TO BS EN ISO 1461, MINIMUM 70 MICRONS THICK
- GASKETS FOR FLANGED JOINTS SHALL BE OF COMPRESSED NON-ASBESTOS SYNTHETIC FIBER TO BS 7531 GRADE Y AND FULL FACED WITH A MINIMUM THICKNESS OF 2 mm
- FOR ALL BOLTS, ONE WASHER ON THE BOLT AND WASHER ON THE NUT SIDE TO BE FITTED. A MINIMUM OF 2-4 THREADS IS TO BE PROTRUDING THE NUT SIDE AFTER TIGHTENING
- ALL FITTINGS PN 16 OR ABOVE
- ALL BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH BS EN ISO 1461, MINIMUM 70 MICRONS THICK
- ALL THREADED JOINTS TO BE TREATED WITH 'HICHEM' SOLVENTLESS TRAVELLING FILLER OR 'EPIDERMIX 372' ACCORDING TO SUPPLIERS MAKING GOOD OF GALVANIZED JOINTS ONLY WHERE APPROVED BY THE ENGINEER
- ALL BURIED BOLTS AND FLANGES SHALL BE WRAPPED IN PETROLEUM MASTIC AND TAPE, IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION
- ALL BURIED STEEL PIPEWORK OUTSIDE THE CHAMBER TO BE BITUMEN TAPE WRAPPED, DENSOCALAD 70 (OR EQUAL APPROVED)

**Concrete**

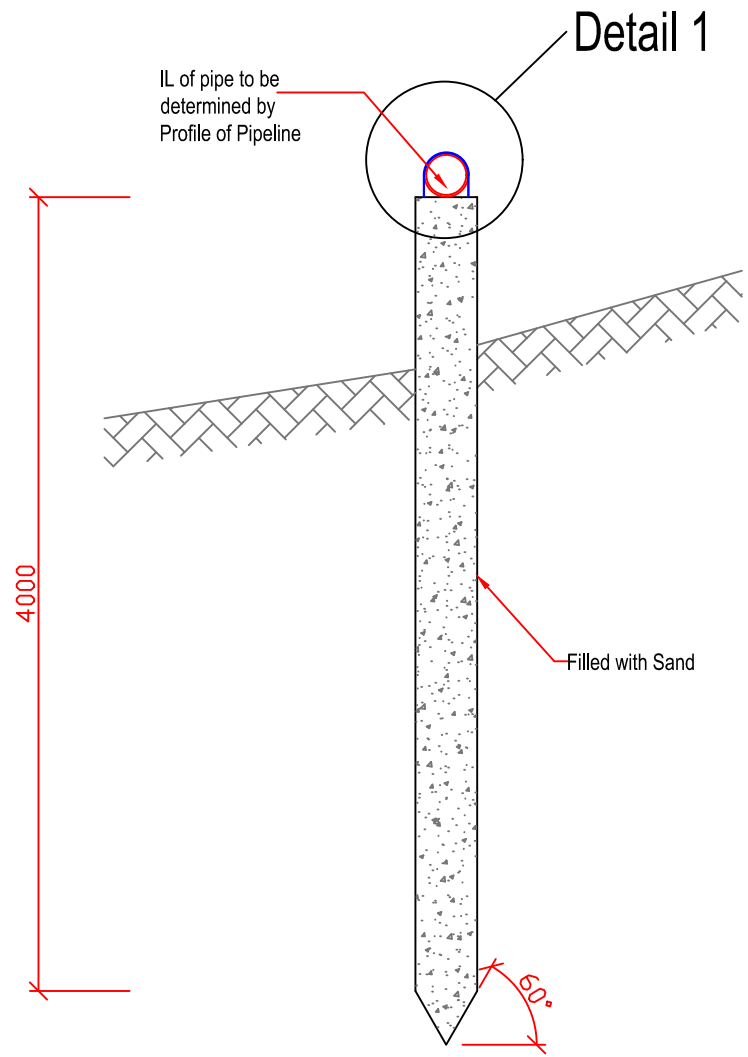
- ALL STRUCTURAL CONCRETE TO BE C25/20 AND ALL MASS CONCRETE TO BE ST4/20
- ALL EXPOSED CONCRETE CORNERS TO BE CHAMFERED
- WHERE THE PIPE ENTERS RIGID STRUCTURES A 10mm RUBBER WRAP (50 DUROMETER) SHALL BE INSTALLED
- 50 mm BLINDING TO BE POURED BENEATH EVERY STRUCTURE
- ALL CONCRETE STRUCTURES TO BE WATER RETAINING
- NO CONCRETE SHALL BE POURED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER

**General**

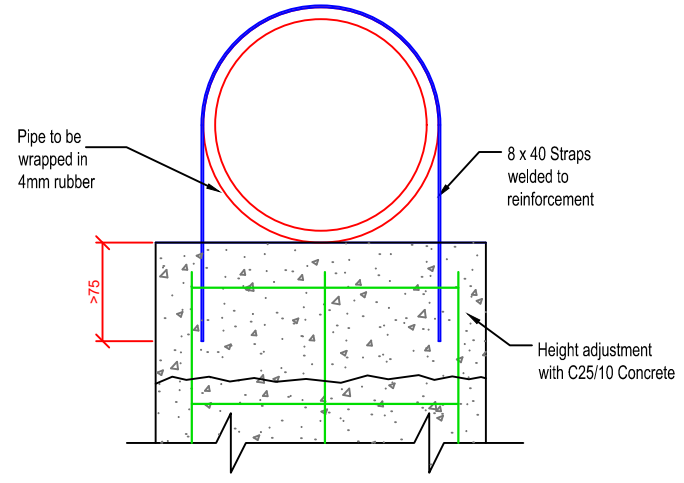
- THE CONTRACTOR SHALL PRODUCE AND SUBMIT SHOP DRAWINGS FOR ALL PIPEWORK AND EQUIPMENT FOR APPROVAL BY ENGINEER
- TECHNICAL DATASHEETS SHEETS OF ALL FITTINGS AND SPECIALS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL



 Government of Uganda Ministry of Water and Environment	 FUNDED BY WORLD BANK	 saman Saman Corp. CHEIL CHEIL ENGINEERING CO. LTD.  AWE Engineers	PROJECT REFERENCE NUMBER : .... <b>INTERGRATED WATER MANAGEMENT AND DEVELOPMENT PROJECT (IWMDP)</b> CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU, AND TIRINYI,	DRAWING DESCRIPTION		DATE 19/08/2021 SHEET NUMBER 1 OF 1 DRAWING SCALE H=1:1000 V=1:100 A3 CATEGORY DETAIL DRAWING NUMBER <b>IWMDP/MBA/3-D-005</b>	DRAWN: Andrew Turyakira DESIGNED: Ceaser Kisa Wakiibi CHECKED: Ronald Musenze APPROVED: OH Dongwoom
				CONSTRUCTION SUPERVISION	CONNECTION CHAMBER SHEET 1 OF 1		



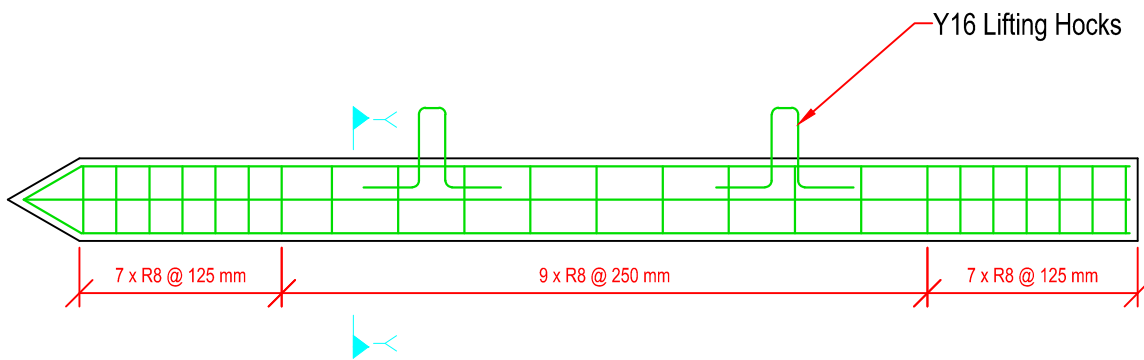
**Section through Pile**  
Scale 1:40



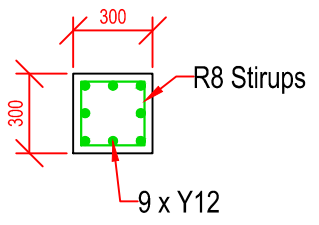
**Detail 1 - Pile Head**  
Scale 1:10

**NOTES**

1. PILES TO BE MADE OF C40 CONCRETE
2. CONCRETE COVER 30mm
3. LENGTH OF PILE = 4m
4. PILE TO BE DRIVEN INTO THE GROUND BY ABOUT 3m
5. PILE HEADS TO BE PRE-FABRICATED AS PER DETAIL 1
6. PILES SHALL BE DRIVEN INTO THE GROUND TO FIT THE INVERT LEVEL OF THE PIPE AS PER LONGITUDINAL SECTION OF THE PIPELINE

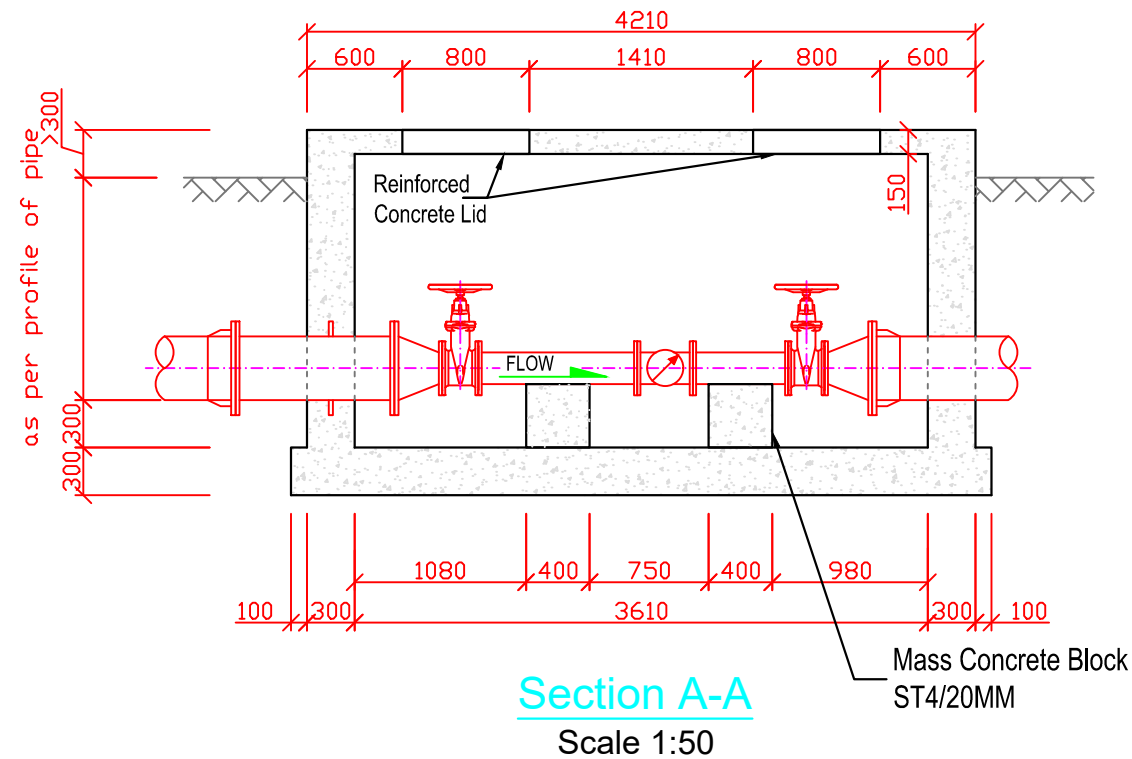


**TYPICAL SECTION PILE**  
Scale 1:30



**SECTION Y-Y**  
Scale 1:30

<p>Government of Uganda Ministry of Water and Environment</p>	<p>WORLD BANK</p>	<p>saman Saman Corp.</p> <p>CHEIL CHEIL ENGINEERING CO. LTD.</p> <p>AWE Engineers</p>	PROJECT REFERENCE NUMBER : ...	DRAWING DESCRIPTION			DATE	19/08/2021	DRAWN: Ceaser Kisa Wakiibi	
			INTERGRATED WATER MANAGEMENT AND DEVELOPMENT PROJECT (IWMDP)	TRANSMISSION MAIN PREFORMED CONCRETE PILES			SHEET NUMBER	1 OF 1		DESIGNED: Ceaser Kisa Wakiibi
			CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU, AND TIRINYI,	CONSTRUCTION SUPERVISION	PREFORMED CONCRETE PILES	CATEGORY	DETAIL	DRAWING NUMBER		CHECKED: Ronald Musenze
				SHEET 1 OF 1	IWMDP/MBA/3-D-003	APPROVED: OH Dongwoom				



PIPE & FITTING SCHEDULE (Quantity per Chamber)

ITEM	Qty.	Dia.	BoQ Item	DETAILS	DESCRIPTION
①	2	400 mm	n/a		DN 400 Ductile Iron, Ranger Type Flange Adaptor, Connection to DN 400 mm DI pipe. Epoxy coated with anchor bolts.
②	1	400 mm	n/a		DN 400 Flanged Ductile Iron Piece, 1 m, to DIN EN 545, flanged on all sides, incl Puddle Flange, cement mortar lining
③	2	400 mm / 200 mm	n/a		DN 400 / 200 Flanged Ductile Iron Taper, to DIN EN 545, flanged on all sides, cement mortar lining
④	2	200 mm	varies		DN 200 mm Gate Valve to EN 558-1, basic series 14, resilient seated, flanged on both sides, epoxy coated to BS 6920, Body Bonnet and Wedge Ductile Iron, Wedge EPDM vulcanized, Stem in Stainless Steel, incl. handwheel
⑤	1	200 mm	n/a		DN 200 Flanged Mild Iron Spool Piece, 1 m, hot-dip galvanized, flanged on all sides,
⑥	1	200 mm	varies		DN 200 Woltmann type flow meter, cast iron, epoxy coated, nominal flow = 250 m <sup>3</sup> /h, min flow 4 m <sup>3</sup> /h, max flow 1200 m <sup>3</sup> /h, max temp 50°, flow capacity at 0.1 bar pressure loss > 550 m <sup>3</sup> /h
⑦	1	200 mm	n/a		DN 200 Flanged Mild Iron Spool Piece, 600 mm, hot-dip galvanized, flanged on all sides,

**Notes**

**Pipework, Valves and Equipment**

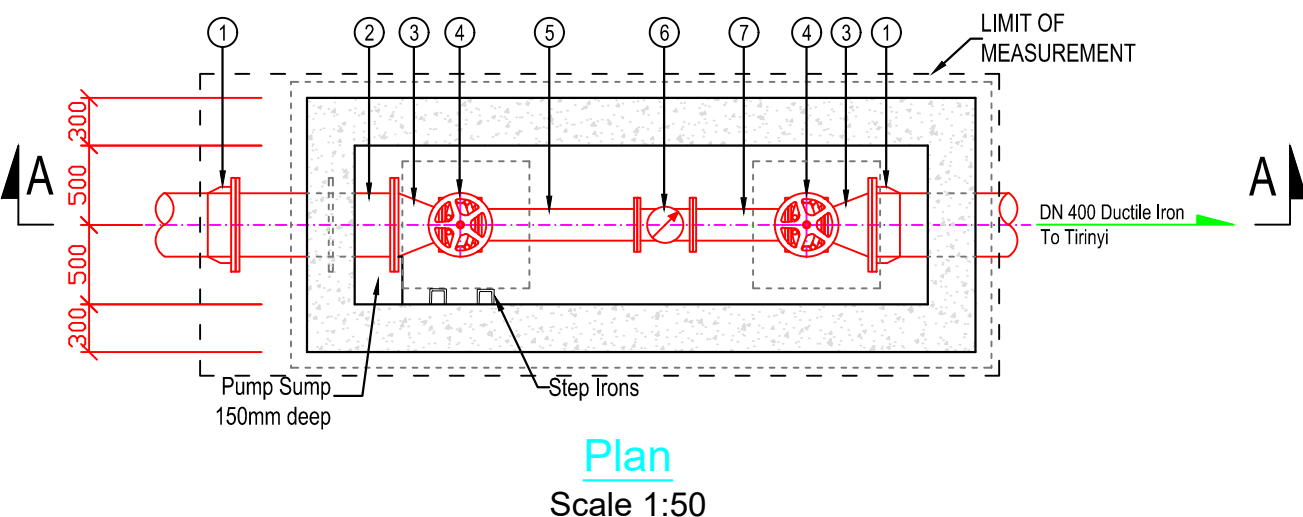
- ANY INCOMPATIBILITIES WITH REGARDS TO THE SPECIFICATION MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ORDERING THE MATERIALS
- ALL RSV GATE VALVES MUST BE CLOCKWISE CLOSING
- GASKETS FOR FLANGED JOINTS SHALL BE OF COMPRESSED NON-ASBESTOS SYNTETIC FIBER TO BS 7531 GRADE Y AND FULL FACED WITH A MINIMUM THICKNESS OF 2 mm
- ALL DUCTILE IRON FITTINGS TO BE CEMENT-MORTAR LINED
- ALL GALVANIZED STEEL PIPES TO BE HOT-DIP GALVANIZED IN ACCORDANCE WITH BS EN ISO 1461
- FOR ALL BOLTS, ONE WASHER ON THE BOLT AND WASHER ON THE NUT SIDE TO BE FITTED. A MINIMUM OF 2-4 THREADS IS TO BE PROTRUDING THE NUT SIDE AFTER TIGHTENING
- ALL FITTINGS AND VALVES PN 10
- ALL BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH BS EN ISO 1461, MINIMUM 70 MICRONS THICK
- ALL THREADED JOINTS TO BE TREATED WITH 'HICHEM' SOLVENTLESS TRAVELLING FILLER OR 'EPIDERMIX 372' ACCORDING TO SUPPLIERS MAKING GOOD OF GALVANIZED JOINTS ONLY WHERE APPROVED BY THE ENGINEER
- ALL BURIED BOLTS AND FLANGES SHALL BE WRAPPED IN PETROLEUM MASTIC AND TAPE, IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION
- ALL BURIED STEEL PIPEWORK OUTSIDE THE CHAMBER TO BE BITUMEN TAPE WRAPPED

**Concrete**

- ALL STRUCTURAL CONCRETE TO BE C25/19 AND ALL MASS CONCRETE TO BE ST4/19
- ALL EXPOSED CONCRETE CORNERS TO BE CHAMFERED
- WHERE THE PIPE ENTERS RIGID STRUCTURES A 10mm RUBBER WRAP (50 DUROMETER) SHALL BE INSTALLED
- 50 mm BLINDING TO BE POURED BENEATH EVERY STRUCTURE
- ALL CONCRETE STRUCTURES TO BE WATER RETAINING
- NO CONCRETE SHALL BE POURED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER

**General**

- THE CONTRACTOR SHALL PRODUCE AND SUBMIT SHOP DRAWINGS FOR ALL PIPEWORK AND EQUIPMENT FOR APPROVAL BY ENGINEER
- TECHNICAL DATASHEETS SHEETS OF ALL FITTINGS AND SPECIALS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL



 Government of Uganda Ministry of Water and Environment	 FUNDED BY WORLD BANK	 saman Samen Corp.	 CHEIL HEIL-ENGINEERING CO. LTD.	 AWE Engineers	PROJECT REFERENCE NUMBER : .... <b>INTERGRATED WATER MANAGEMENT AND DEVELOPMENT PROJECT (IWMDP)</b> CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU, AND TIRINYI,	DRAWING DESCRIPTION			DATE 19/08/2021 SHEET NUMBER 1 OF 1 DRAWING SCALE H=1:1000 V=1:100 A3 CATEGORY DETAIL DRAWING NUMBER <b>IWMDP/MBA/3-D-004</b>	DRAWN: Andrew Turyakira DESIGNED: Ceaser Kisa Wakiibi CHECKED: Ronald Musenze APPROVED: OH Dongwoom
						GROWTH CENTERS - TRANSMISSION MAIN <b>WATER METER CHAMBER - TIRINYI / KIBUKU</b>	CONSTRUCTION SUPERVISION	WATER METER CHAMBER - TIRINYI / KIBUKU SHEET 1 OF 1		










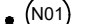
**AMENDMENTS**

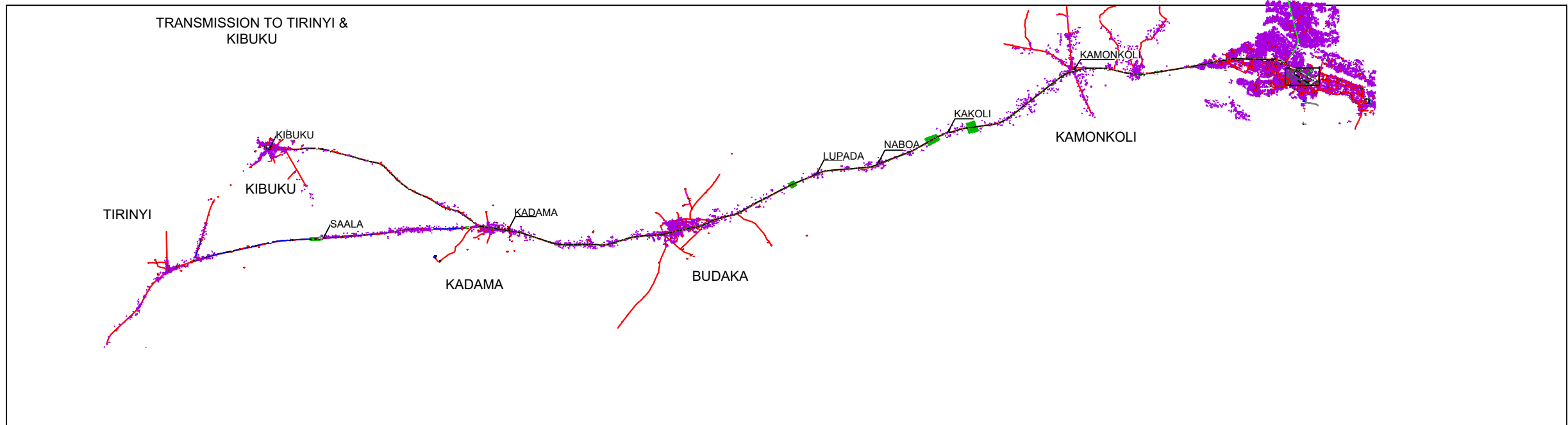
No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

-  Transmission Line
-  New Distribution Line
-  Road
-  DAV Double Orifice Air Valve
-  WO\_2 Type 2 Washout
-  Node detail No. 01



REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

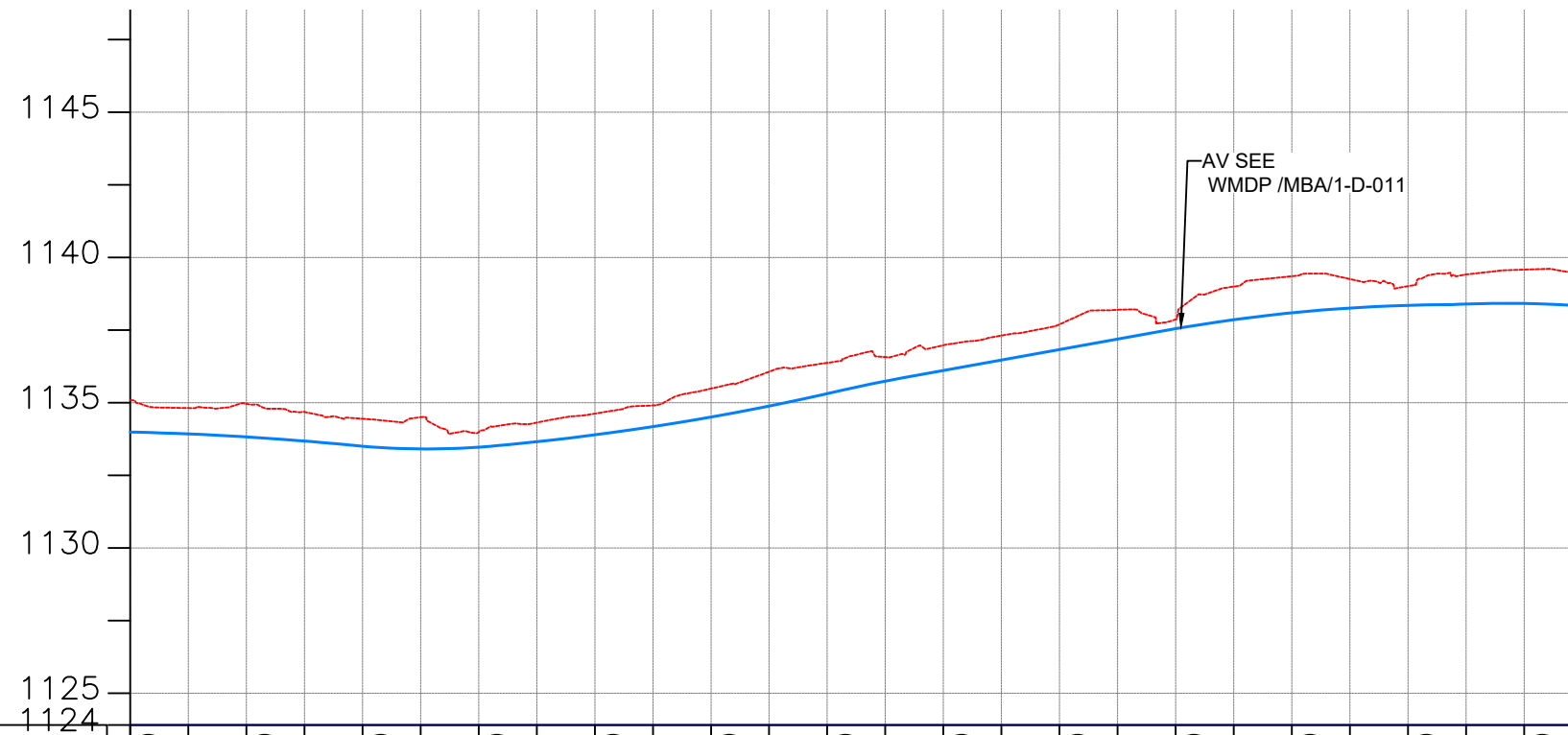


**Drawing Title:**  
GENERAL LAYOUT

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCS/GNL/001
Sheet No.: 1	Format: A2



**PLAN LAYOUT**



CHAINAGE	0+000		0+040		0+080		0+120		0+160		0+200		0+240		0+280		0+320		0+360		0+400		0+440		0+480	0+500		
GROUND LEVEL(m)	1135.089	1134.817	1134.958	1134.680	1134.448	1134.501	1133.981	1134.317	1134.625	1134.908	1135.487	1136.067	1136.373	1136.571	1136.979	1137.311	1137.698	1138.201	1137.867	1138.999	1139.355	1139.258	1139.013	1139.415	1139.582	1139.428		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1133.99	1133.93	1133.82	1133.68	1133.50	1133.41	1133.47	1133.66	1133.89	1134.18	1134.51	1134.89	1135.31	1135.74	1136.11	1136.47	1136.83	1137.19	1137.55	1137.86	1138.09	1138.26	1138.35	1138.40	1138.42	1138.33		

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**



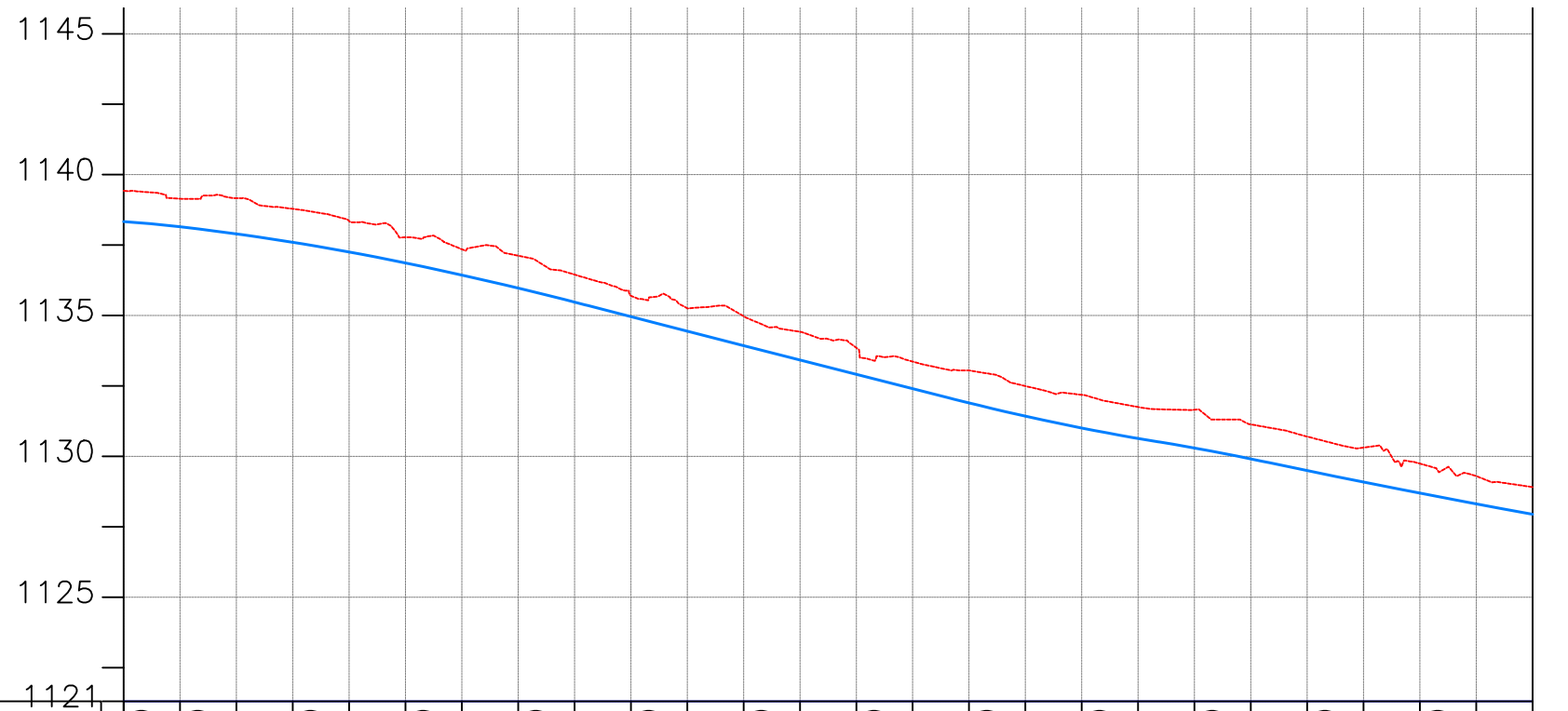
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 0+000.00 - 0+500.00)
Sheet No.: 1	Format: A3



**PLAN LAYOUT**



CHAINAGE	0+500	0+520	0+560	0+600	0+640	0+680	0+720	0+760	0+800	0+840	0+880	0+920	0+960	1+000														
GROUND LEVEL(m)	1139.428	1139.146	1139.165	1138.787	1138.355	1137.777	1137.353	1137.126	1136.453	1135.704	1135.259	1134.975	1134.424	1133.855	1133.365	1133.051	1132.497	1132.185	1131.751	1131.655	1131.136	1130.704	1130.312	1129.744	1129.300	1128.909		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1138.33	1138.15	1137.90	1137.60	1137.25	1136.87	1136.44	1135.97	1135.48	1134.96	1134.44	1133.93	1133.42	1132.91	1132.41	1131.90	1131.43	1131.01	1130.64	1130.30	1129.91	1129.49	1129.09	1128.69	1128.31	1127.95		

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

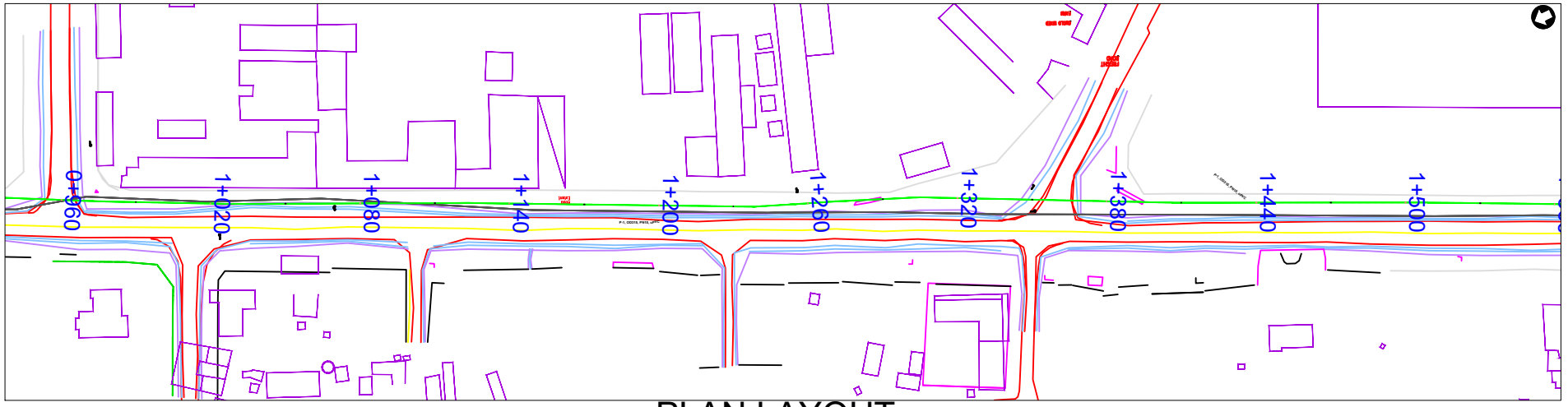
**CONSULTANT:**



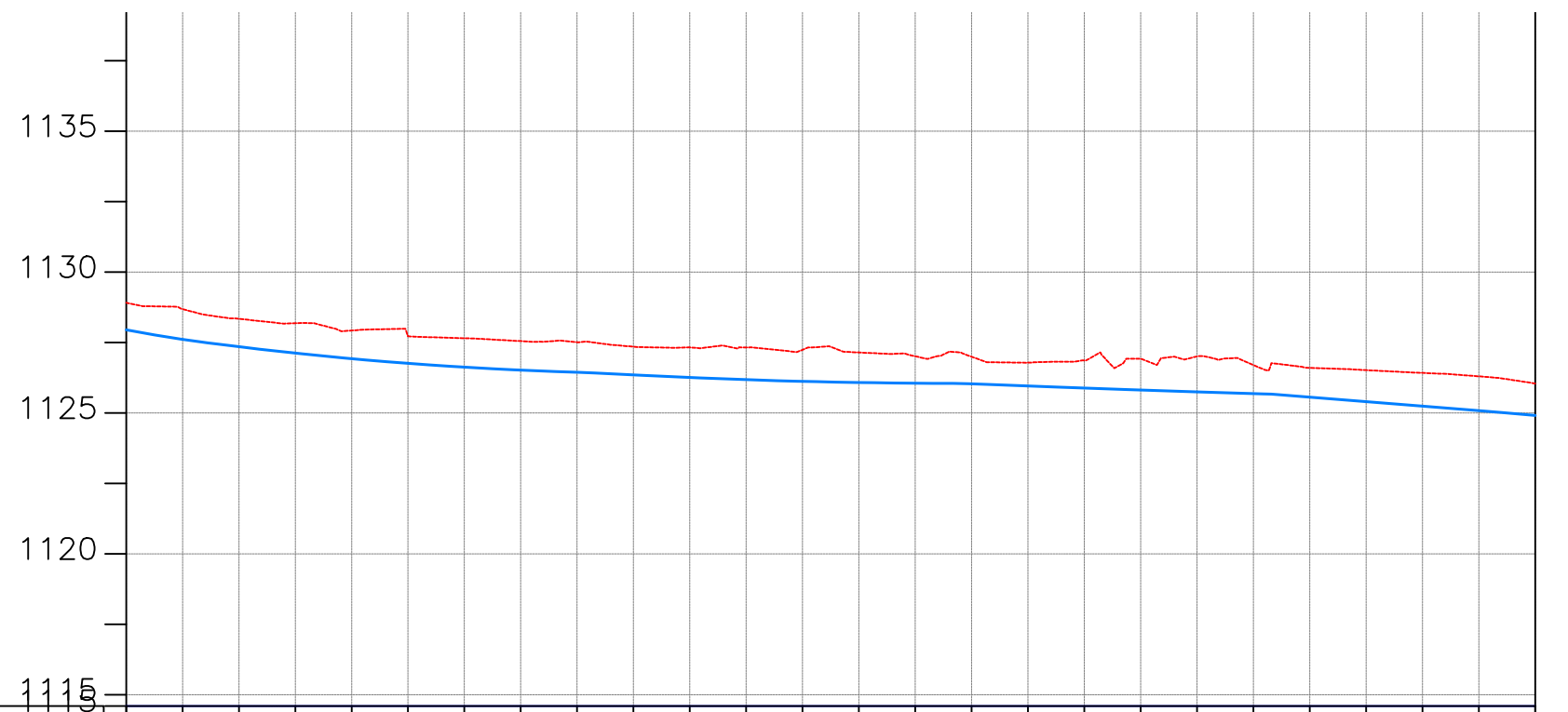
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 0+500.00 - 1+000.00)
Sheet No.: 2	Format: A3



**PLAN LAYOUT**



CHAINAGE	1+000		1+040		1+080		1+120		1+160		1+200		1+240		1+280		1+320		1+360		1+400		1+440		1+480	1+500		
GROUND LEVEL(m)	1128.909	1128.686	1128.340	1128.185	1127.925	1127.722	1127.651	1127.549	1127.510	1127.351	1127.327	1127.324	1127.242	1127.146	1127.011	1126.995	1126.784	1126.863	1126.927	1127.005	1126.698	1126.600	1126.519	1126.420	1126.299	1126.045		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1127.95	1127.61	1127.35	1127.12	1126.93	1126.76	1126.62	1126.52	1126.44	1126.35	1126.26	1126.18	1126.12	1126.08	1126.06	1126.03	1125.96	1125.88	1125.82	1125.75	1125.69	1125.56	1125.40	1125.24	1125.08	1124.91		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

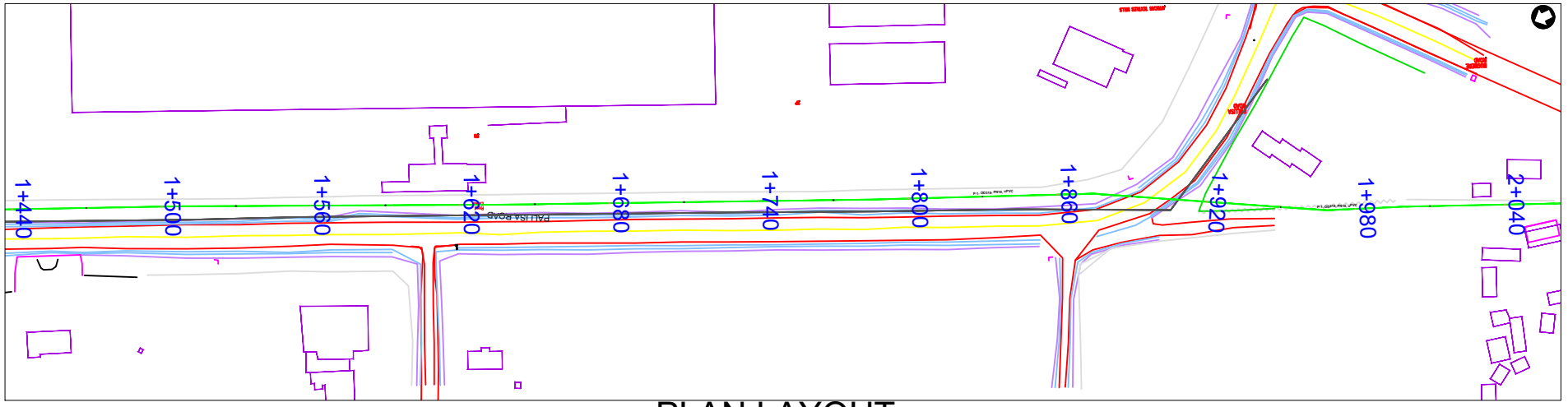
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

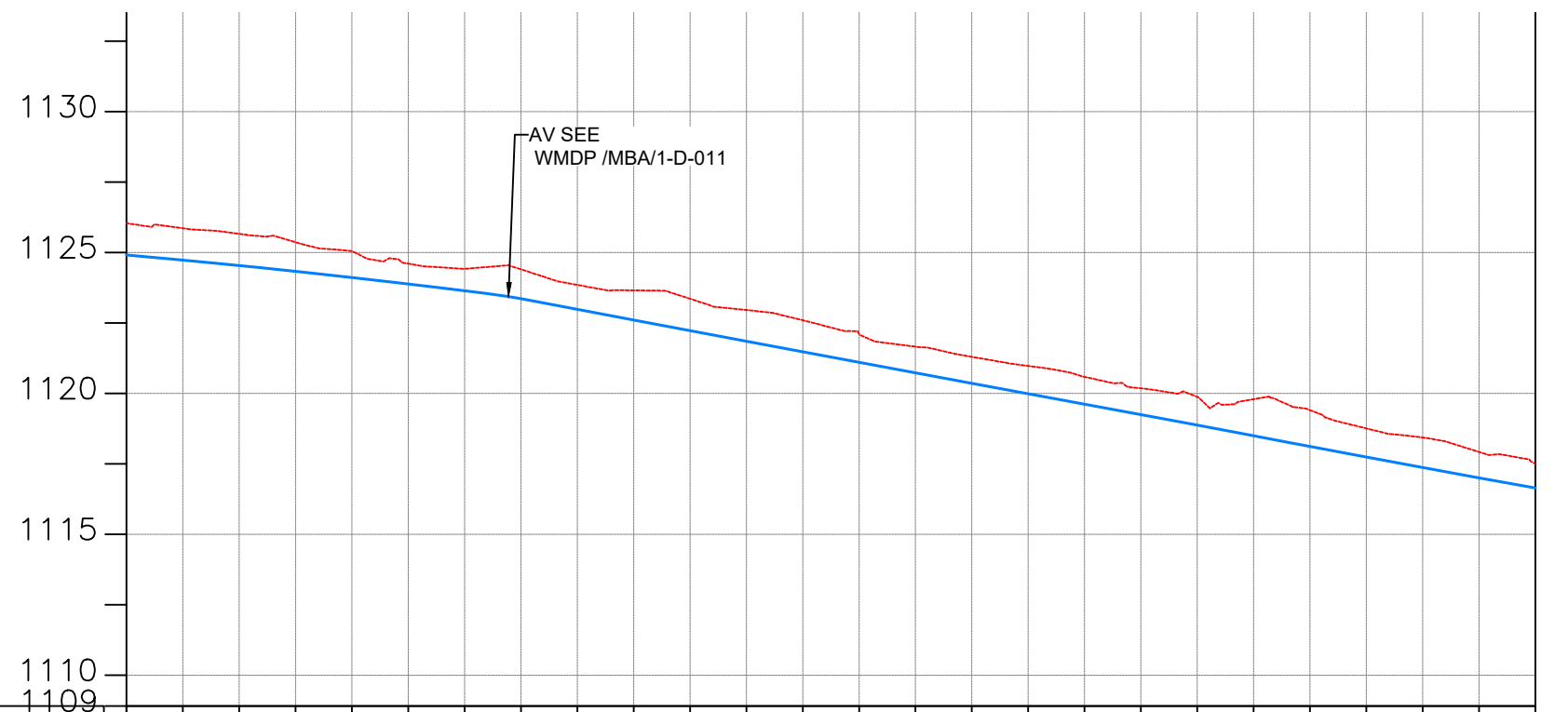
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 1+000.00 - 1+500.00)
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	1+500	1+520	1+560	1+600	1+640	1+680	1+720	1+760	1+800	1+840	1+880	1+920	1+960	2+000												
GROUND LEVEL(m)	1126.045	1125.864	1125.666	1125.052	1124.607	1124.425	1124.405	1123.853	1123.658	1123.360	1122.960	1122.598	1122.103	1121.662	1121.299	1120.977	1120.588	1120.184	1119.877	1119.797	1119.409	1118.760	1118.436	1117.925	1117.493	
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1124.91	1124.73	1124.54	1124.33	1124.12	1123.89	1123.64	1123.36	1122.99	1122.61	1122.23	1121.85	1121.48	1121.11	1120.73	1120.36	1119.99	1119.62	1119.25	1118.88	1118.50	1118.12	1117.74	1117.37	1117.00	1116.65

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

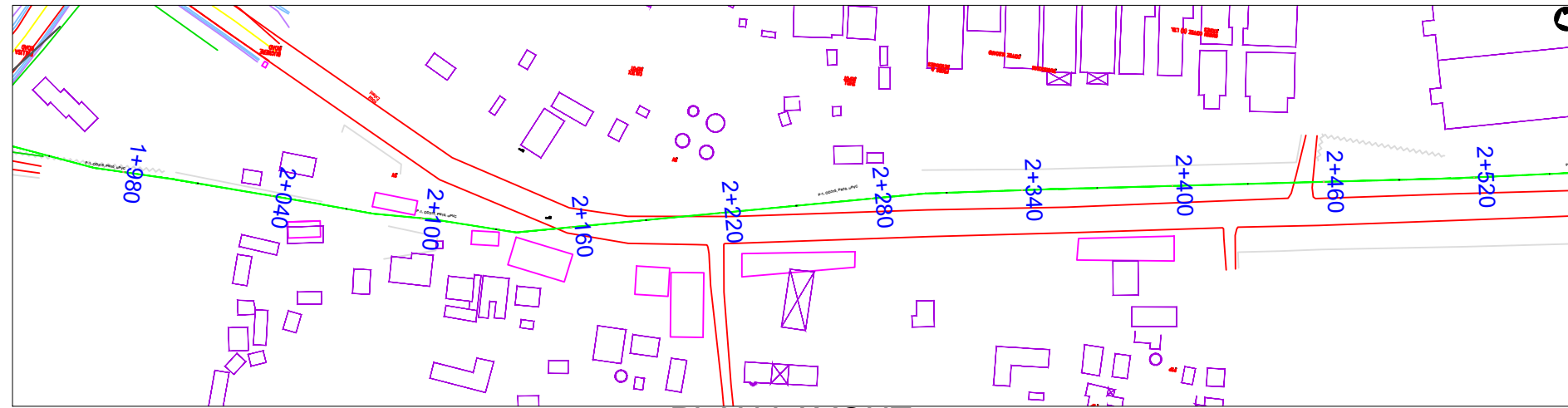
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

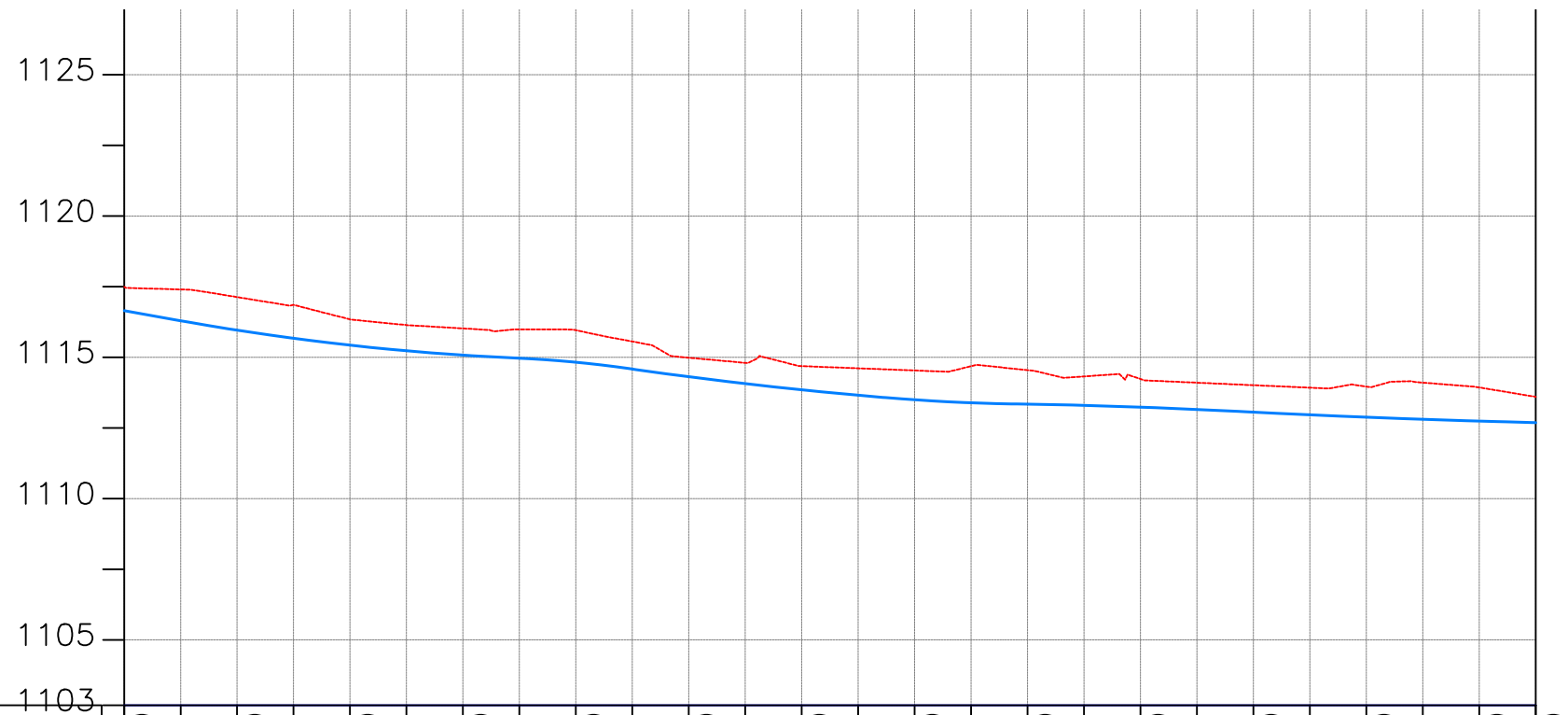
**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 1+500.00 - 2+000.00)
Sheet No.: 4	Format: A3





**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE INVERT(m)
2+000	1117.493	1116.65
2+040	1117.399	1116.29
2+080	1117.129	1115.96
2+120	1116.853	1115.67
2+160	1116.341	1115.43
2+200	1116.140	1115.23
2+240	1116.020	1115.08
2+280	1115.987	1114.97
2+320	1115.957	1114.82
2+360	1115.559	1114.58
2+400	1114.983	1114.31
2+440	1114.802	1114.07
2+480	1114.686	1113.85
2+500	1114.609	1113.66
	1114.533	1113.49
	1114.684	1113.39
	1114.547	1113.34
	1114.322	1113.30
	1114.233	1113.23
	1114.100	1113.15
	1114.012	1113.06
	1113.923	1112.96
	1113.960	1112.88
	1114.102	1112.80
	1113.931	1112.74
	1113.601	1112.69

OD 315, PN10, uPVC

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

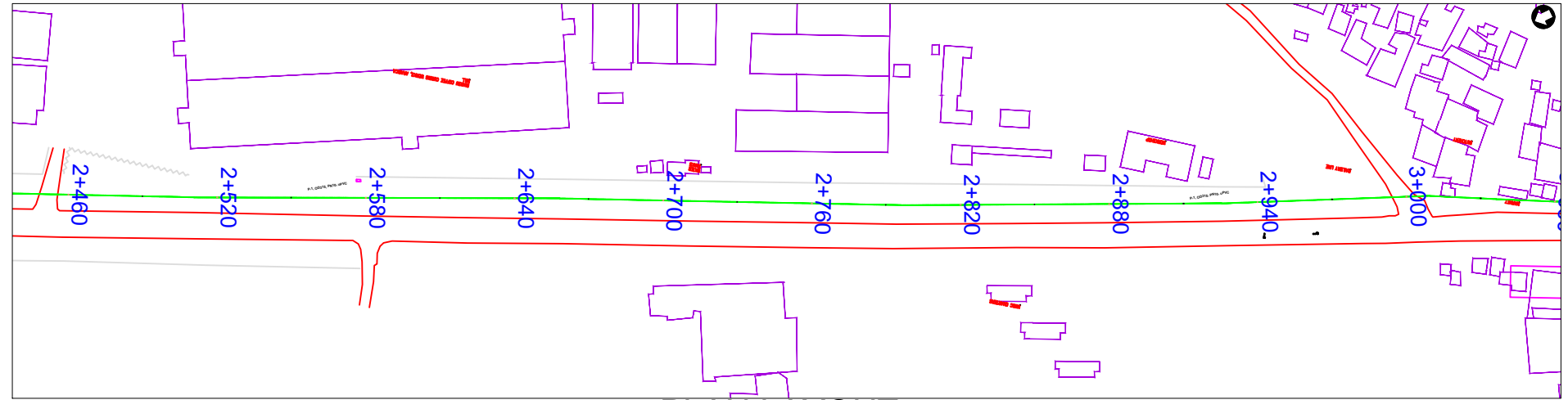
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

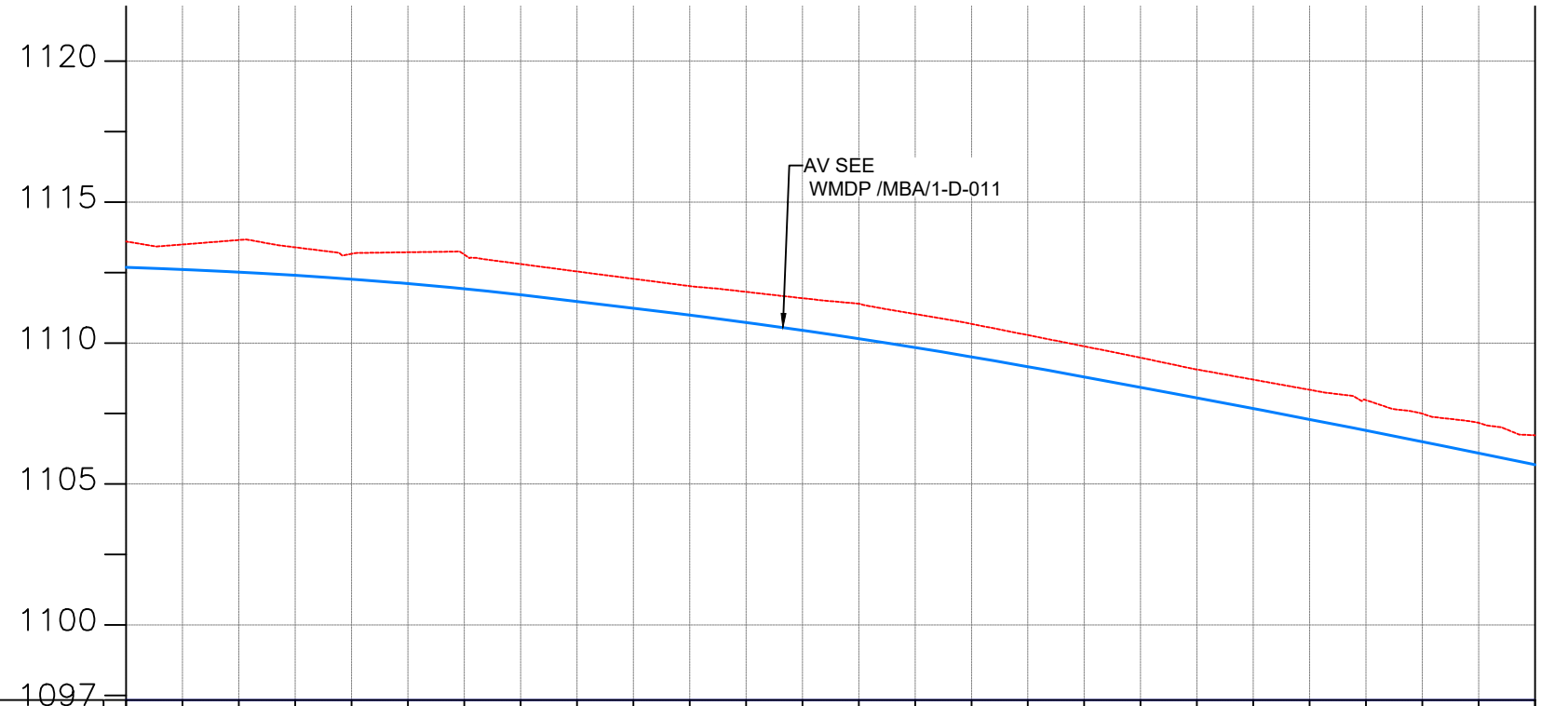
**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 2+000.00 - 2+500.00)
Sheet No.: 5	Format: A3





**PLAN LAYOUT**



CHAINAGE	2+500	2+520		2+560		2+600		2+640		2+680		2+720		2+760		2+800		2+840		2+880		2+920		2+960		3+000		
GROUND LEVEL(m)	1113.601	1113.496	1113.654	1113.395	1113.165	1113.220	1113.135	1112.802	1112.538	1112.278	1112.020	1111.815	1111.591	1111.396	1111.028	1110.679	1110.282	1109.884	1109.480	1109.062	1108.702	1108.342	1107.975	1107.495	1107.168	1106.730		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1112.69	1112.61	1112.52	1112.40	1112.26	1112.11	1111.93	1111.71	1111.47	1111.23	1110.99	1110.73	1110.45	1110.15	1109.84	1109.51	1109.16	1108.80	1108.42	1108.05	1107.67	1107.29	1106.90	1106.50	1106.10	1105.68		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

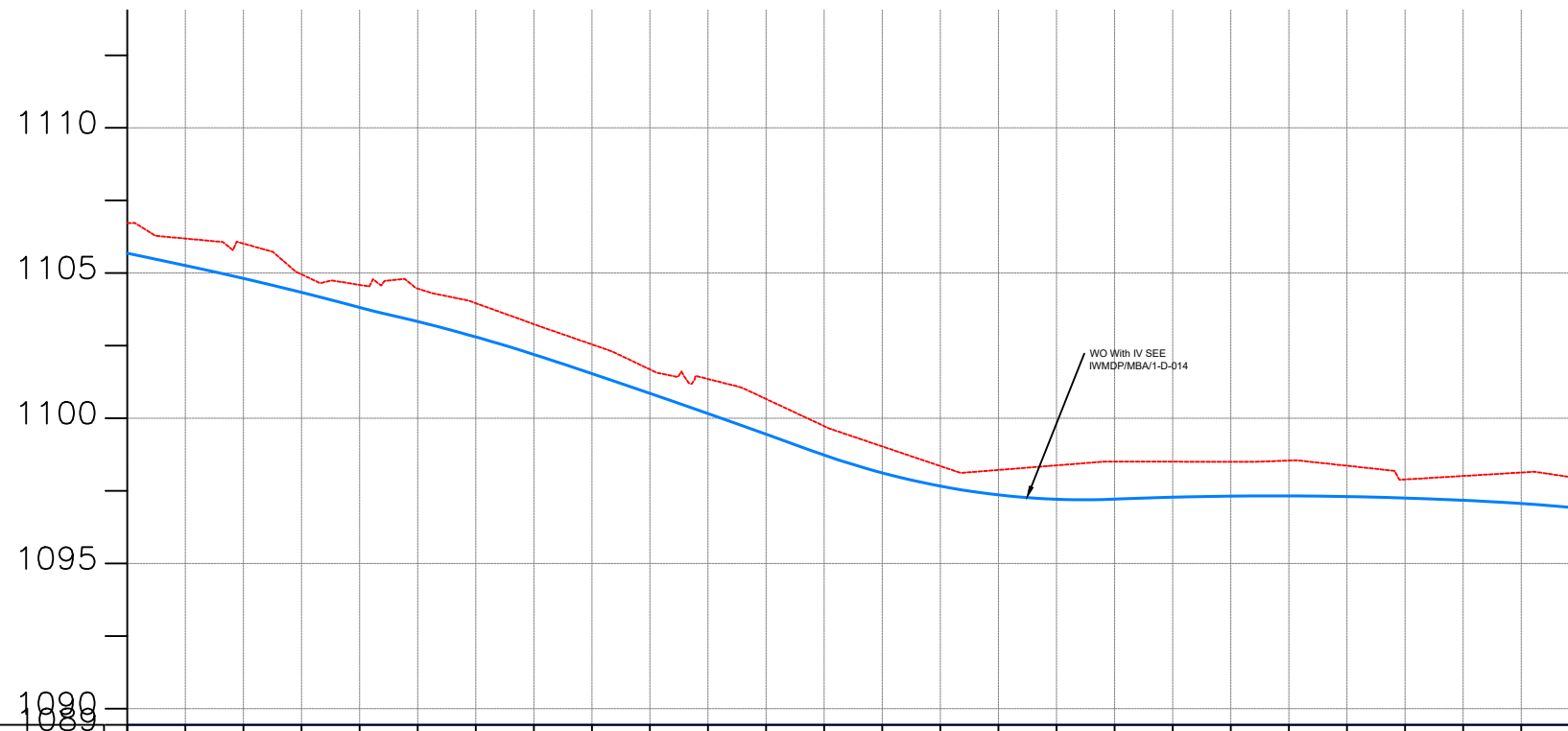
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 2+500.00 - 3+000.00)
Sheet No.: 6	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
3+000	1106.730	OD 315, PN10, uPVC	1105.68
	1106.190		1105.26
3+040	1106.017		1104.82
	1104.958		1104.34
3+080	1104.594		1103.82
	1104.466		1103.33
3+120	1103.964		1102.80
	1103.242		1102.20
3+160	1102.544		1101.54
	1101.682		1100.86
3+200	1101.352		1100.16
	1100.664		1099.45
3+240	1099.730		1098.73
	1099.031		1098.12
3+280	1098.354		1097.66
	1098.221		1097.36
3+320	1098.379		1097.21
	1098.509	1097.22	
3+360	1098.505	1097.28	
	1098.501	1097.32	
3+400	1098.544	1097.33	
	1098.367	1097.30	
3+440	1097.895	1097.26	
	1098.014	1097.18	
3+480	1098.133	1097.07	
3+500	1097.931	1096.90	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

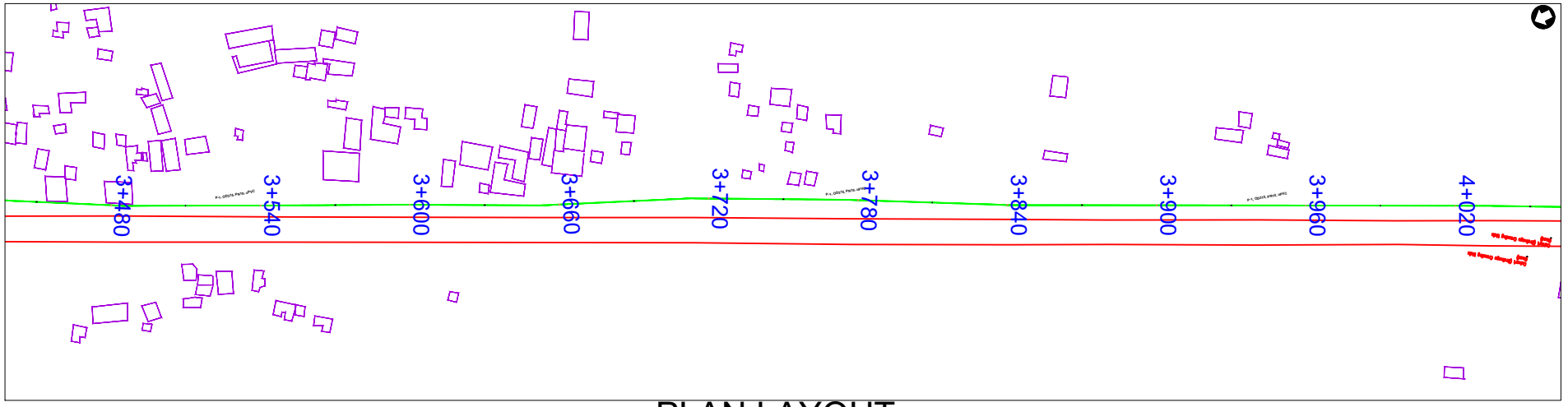
**CONSULTANT:**



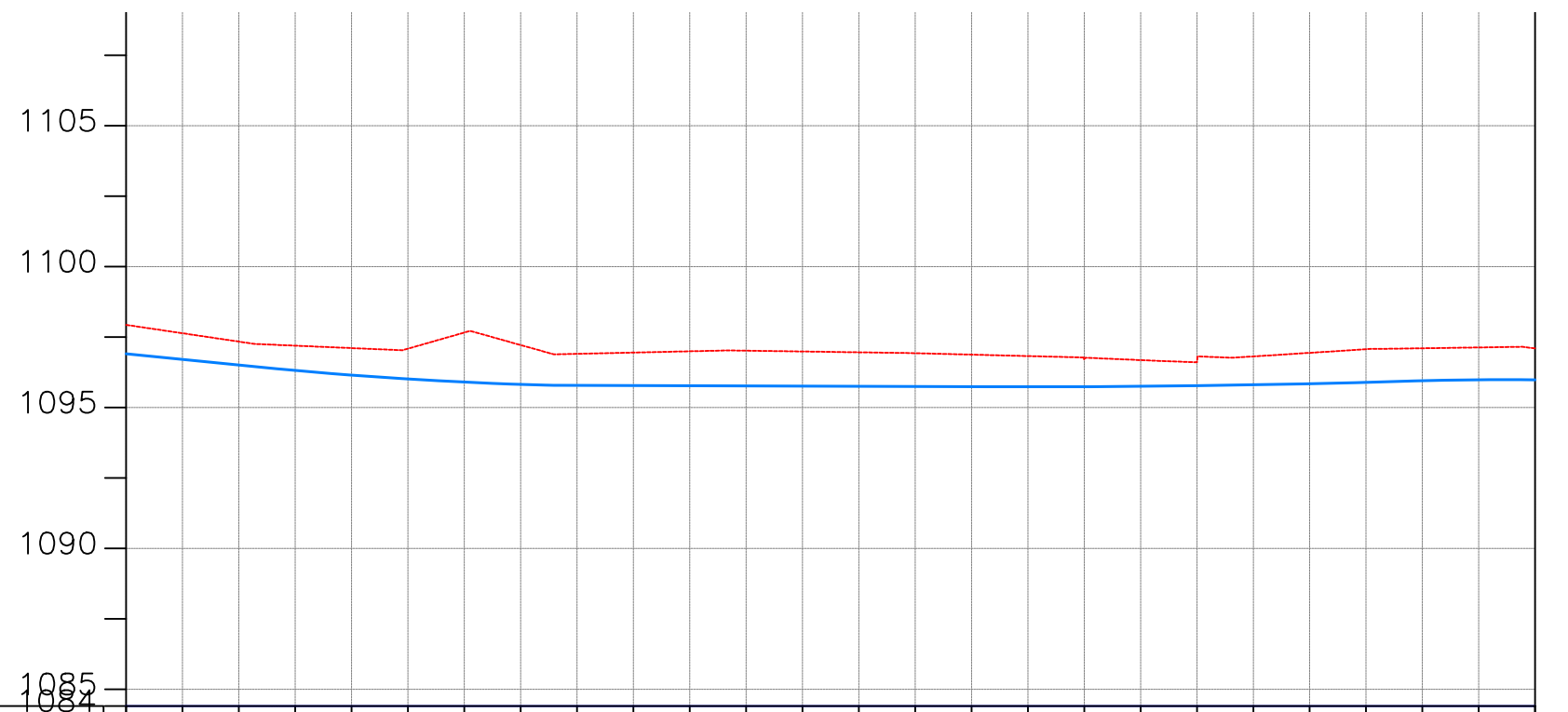
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 3+000.00 - 3+500.00)
Sheet No.: 7	Format: A3



**PLAN LAYOUT**



CHAINAGE	3+500	3+520		3+560		3+600		3+640		3+680		3+720		3+760		3+800		3+840		3+880		3+920		3+960		4+000		
GROUND LEVEL(m)	1097.931	1097.635	1097.338	1097.194	1097.108	1097.087	1097.659	1097.216	1096.904	1096.949	1096.994	1097.016	1096.987	1096.958	1096.927	1096.876	1096.825	1096.725	1096.681	1096.603	1096.812	1096.939	1097.067	1097.101	1097.131	1097.097		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1096.90	1096.71	1096.51	1096.32	1096.15	1096.01	1095.90	1095.82	1095.78	1095.78	1095.77	1095.76	1095.76	1095.75	1095.74	1095.74	1095.73	1095.74	1095.75	1095.77	1095.80	1095.84	1095.89	1095.95	1095.98	1095.98		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

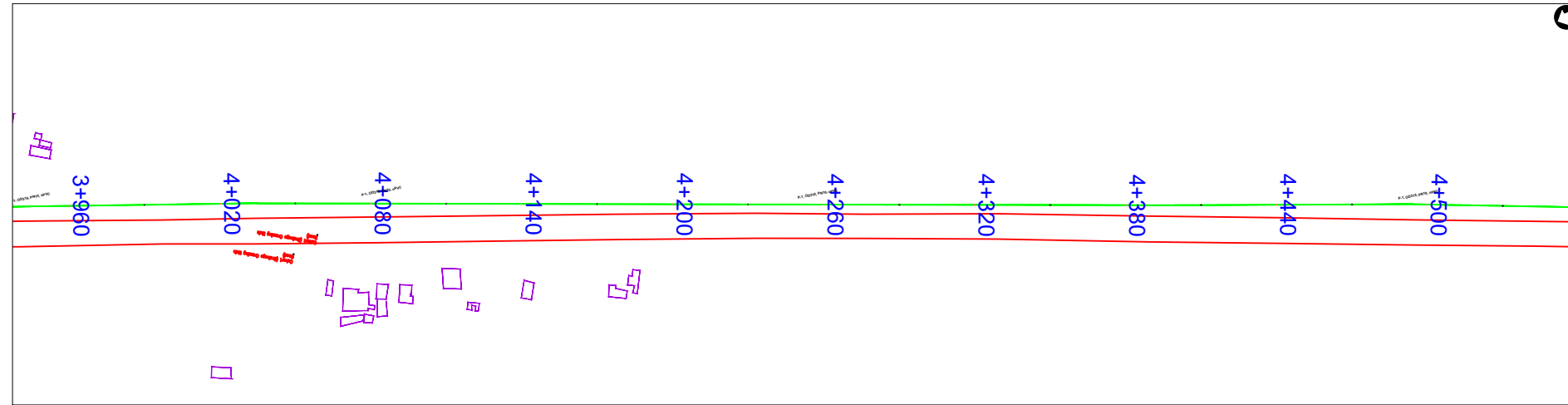
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

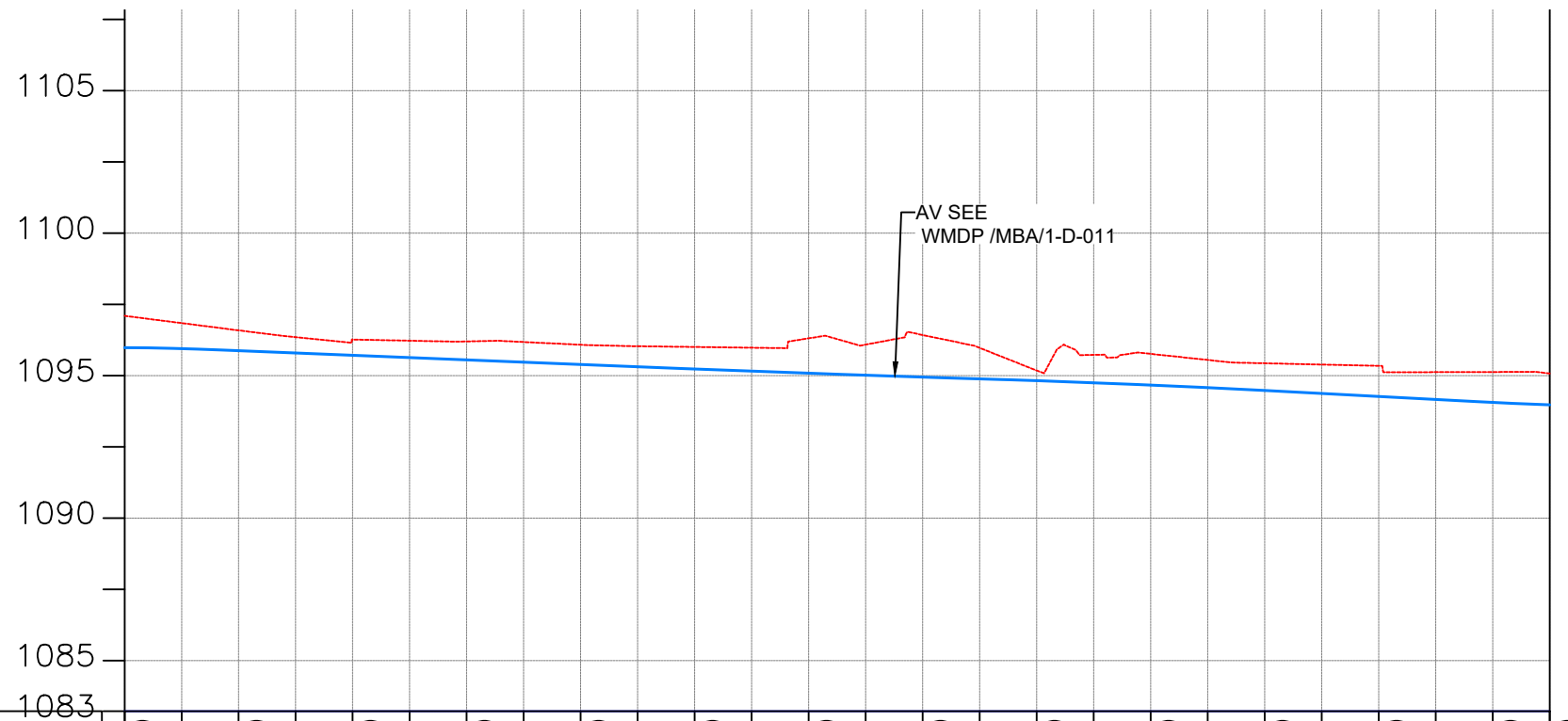
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 3+500.00 - 4+000.00)
Sheet No.: 8	Format: A3



**PLAN LAYOUT**



CHAINAGE	4+000		4+040		4+080		4+120		4+160		4+200		4+240		4+280		4+320		4+360		4+400		4+440		4+480	4+500
GROUND LEVEL(m)	1097.097	1096.843	1096.587	1096.350	1096.266	1096.225	1096.199	1096.180	1096.081	1096.031	1096.005	1095.979	1096.309	1096.088	1096.425	1095.973	1095.179	1095.727	1095.763	1095.550	1095.433	1095.388	1095.342	1095.121	1095.126	1095.074
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1095.98	1095.95	1095.87	1095.79	1095.71	1095.63	1095.55	1095.47	1095.39	1095.31	1095.23	1095.16	1095.09	1095.02	1094.95	1094.88	1094.82	1094.75	1094.67	1094.58	1094.48	1094.37	1094.27	1094.16	1094.06	1093.97

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

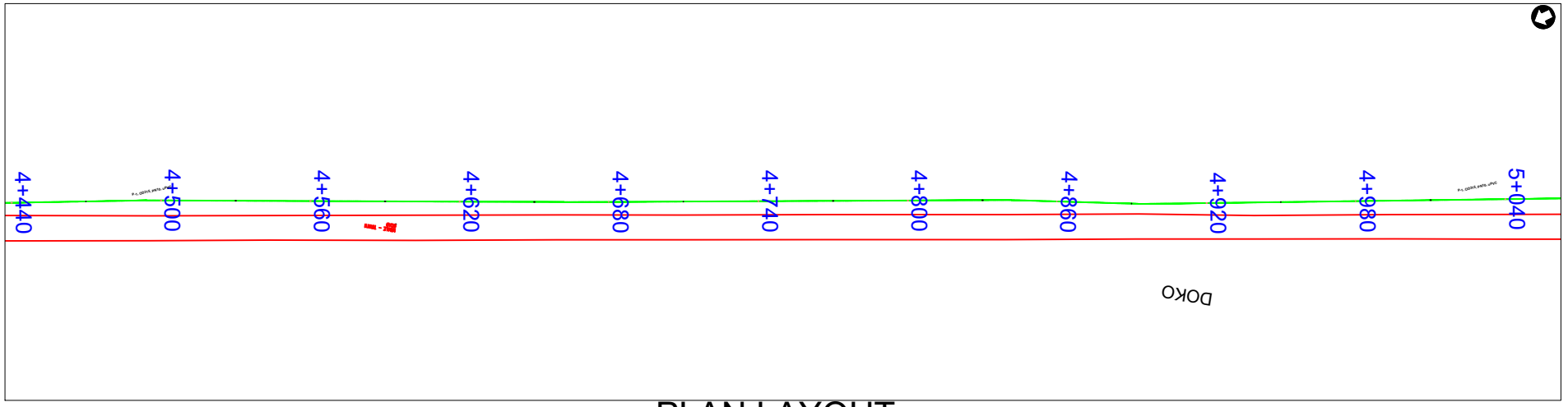
CONSULTANT:



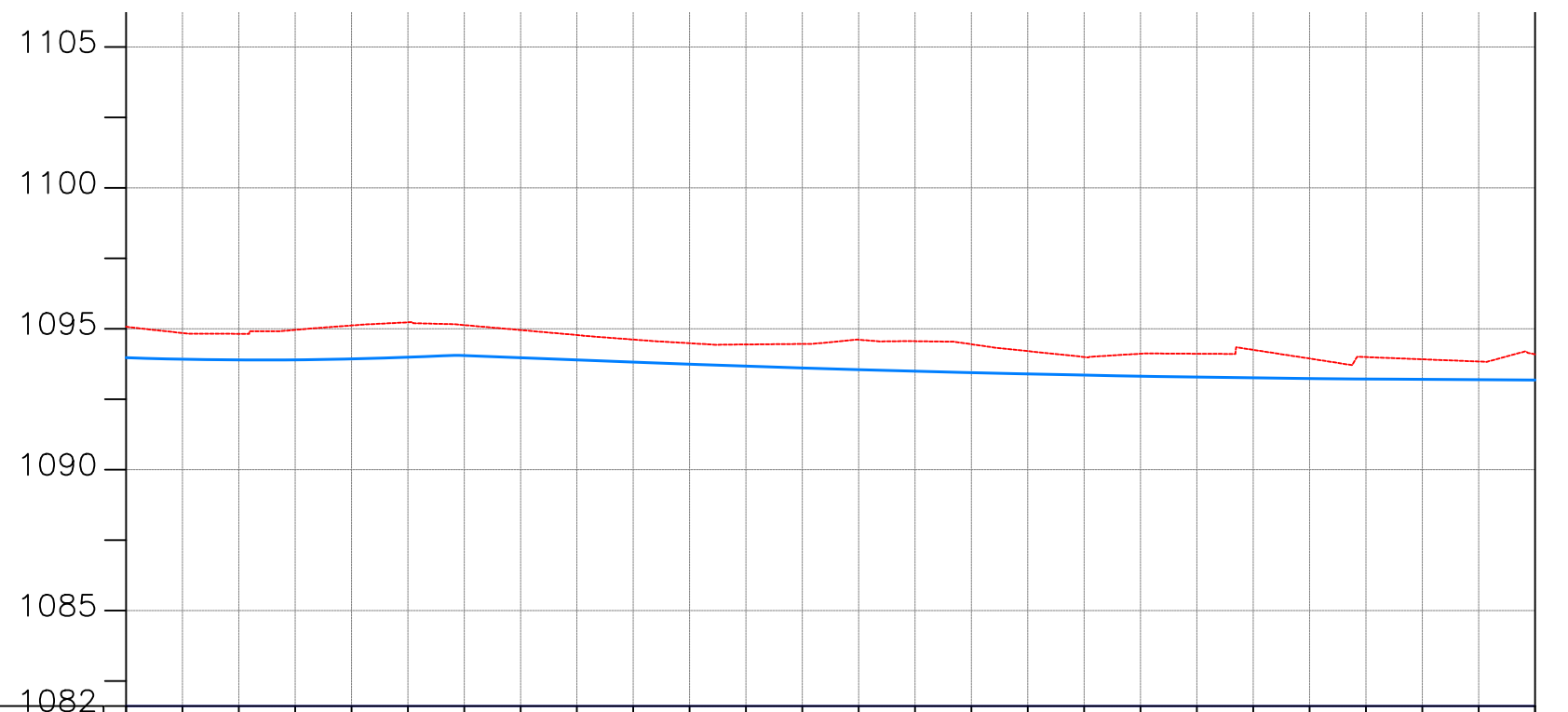
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 4+000.00 - 4+500.00)
Sheet No.: 9	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
4+500	1095.074	OD 315, PN10, uPVC	1093.97
4+520	1094.852		1093.92
	1094.823		1093.90
4+560	1094.961		1093.90
	1095.119		1093.93
4+600	1095.232		1093.99
	1095.132		1094.05
4+640	1094.956		1093.97
	1094.780		1093.90
4+680	1094.620		1093.82
	1094.488		1093.75
4+720	1094.445		1093.68
	1094.464		1093.61
4+760	1094.614		1093.55
	1094.560		1093.49
4+800	1094.453		1093.44
	1094.209		1093.40
4+840	1094.001		1093.36
	1094.117		1093.32
4+880	1094.116		1093.29
	1094.254	1093.26	
4+920	1093.945	1093.24	
	1093.996	1093.22	
4+960	1093.918	1093.21	
	1093.840	1093.19	
5+000	1094.093		1093.18

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

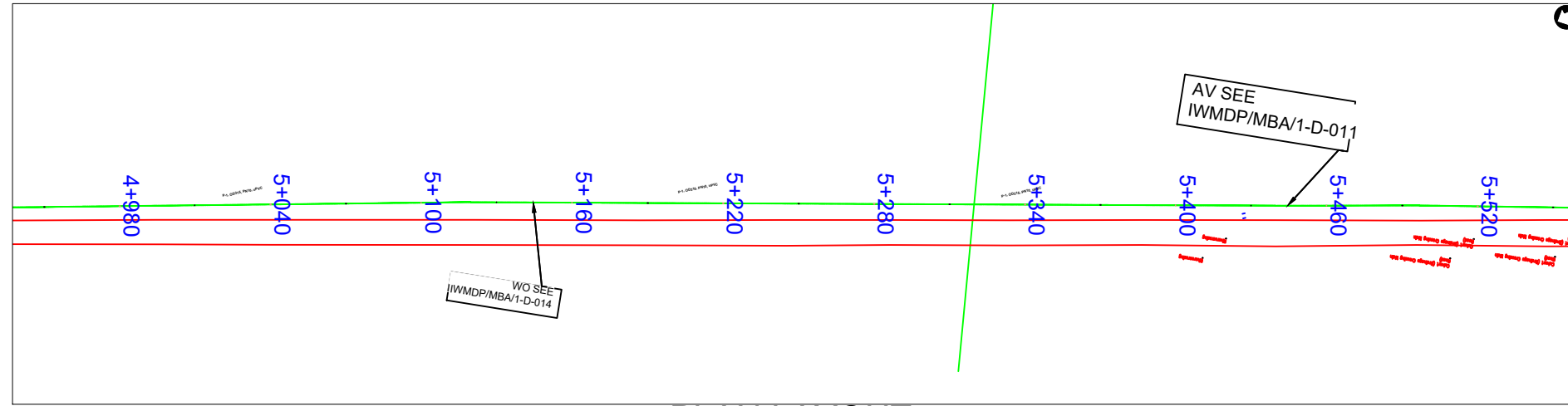
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

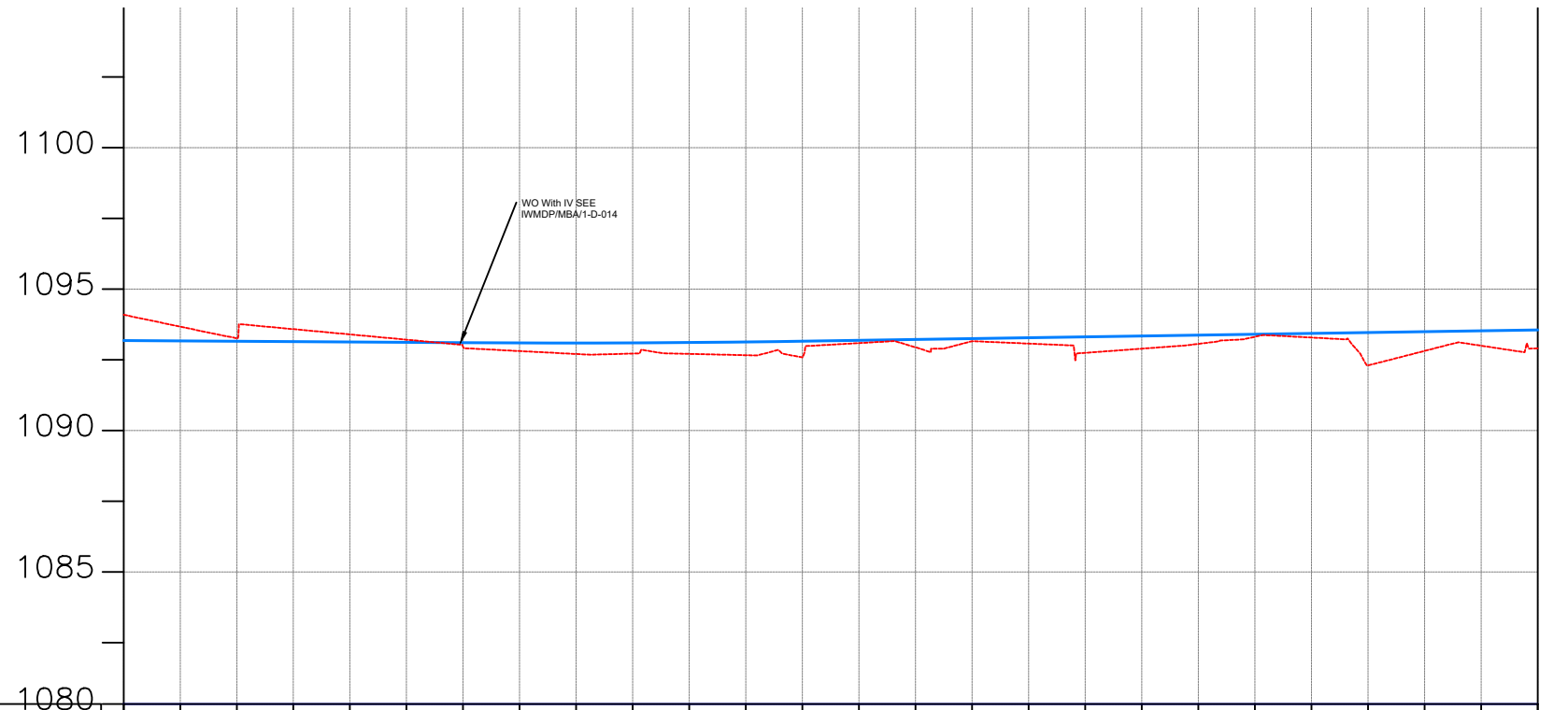
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 4+500.00 - 5+000.00)
Sheet No.: 10	Format: A3



**PLAN LAYOUT**



CHAINAGE	5+000		5+040		5+080		5+120		5+160		5+200		5+240		5+280		5+320		5+360		5+400		5+440		5+480	5+500
GROUND LEVEL(m)	1094.093	1093.673	1093.259	1093.585	1093.399	1093.213	1092.964	1092.810	1092.706	1092.721	1092.710	1092.664	1092.586	1093.091	1092.942	1093.159	1093.074	1092.747	1092.894	1093.063	1093.315	1093.288	1092.301	1092.814	1093.000	1092.908
PIPE DETAILS	← OD 315, PN10, uPVC →												← DN 300, PN10, DI →													
PIPE INVERT(m)	1093.18	1093.17	1093.16	1093.14	1093.13	1093.12	1093.11	1093.10	1093.10	1093.10	1093.11	1093.13	1093.16	1093.19	1093.22	1093.25	1093.28	1093.31	1093.34	1093.37	1093.40	1093.43	1093.46	1093.49	1093.53	1093.56

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**



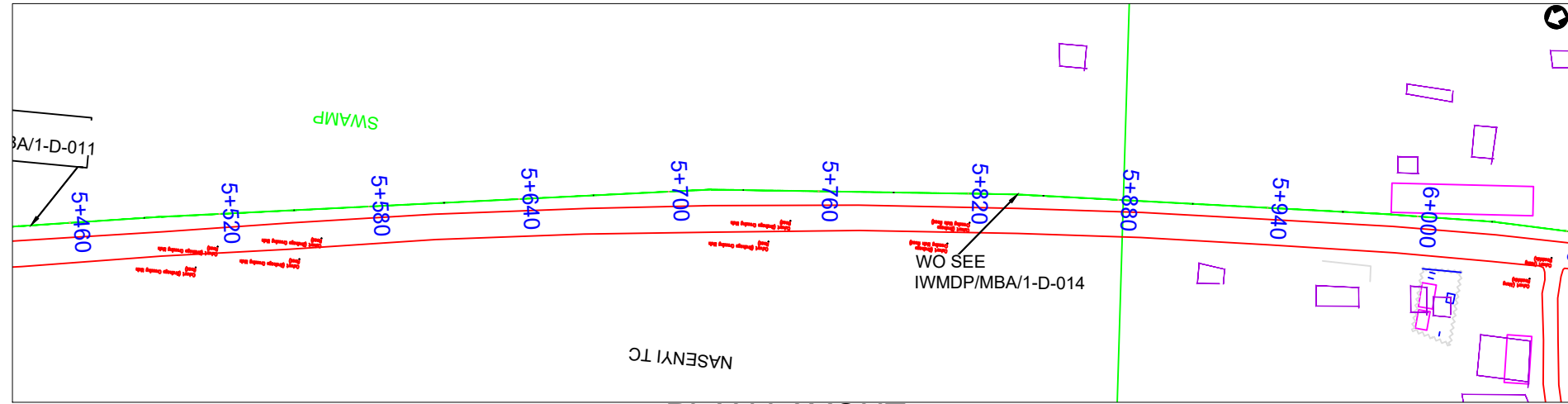
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

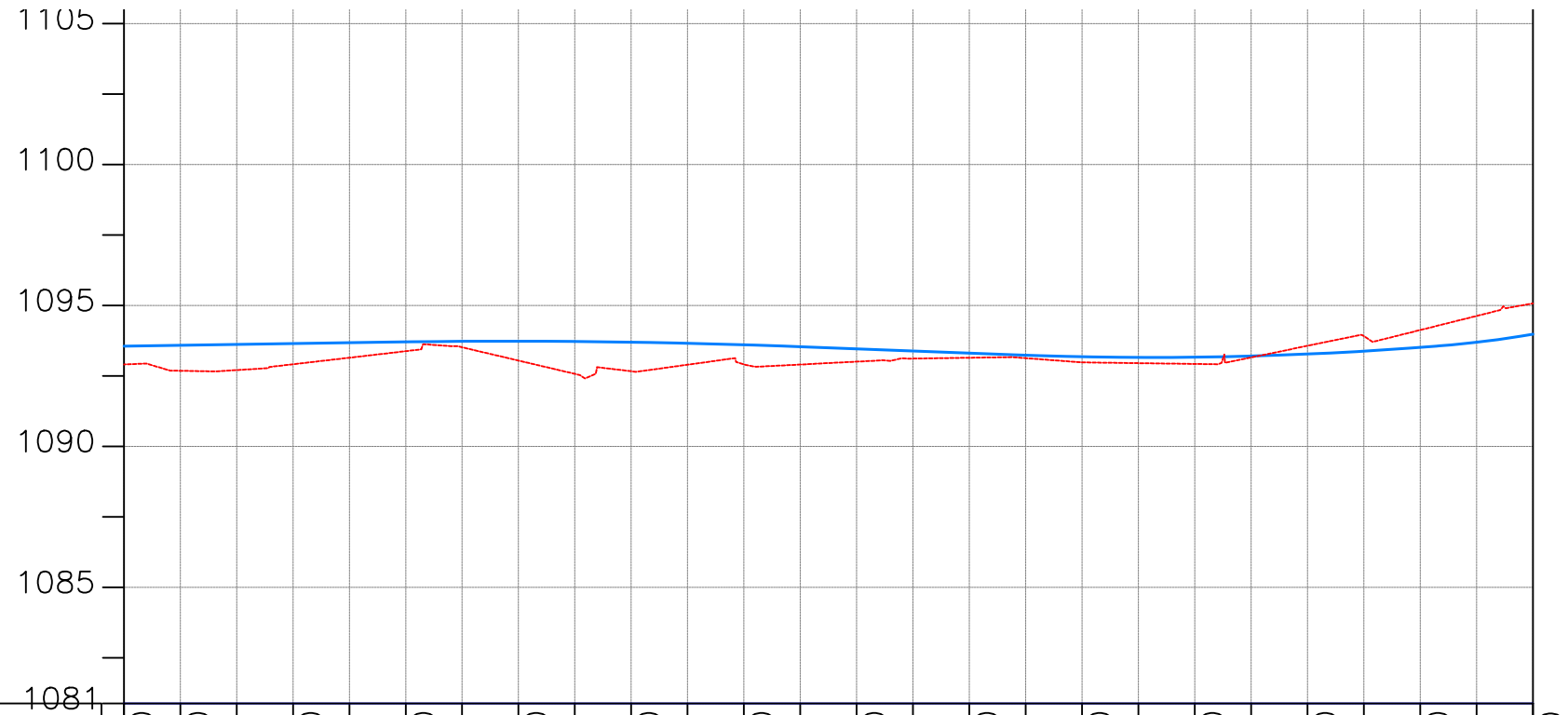
**TL\_RGCs (CH 5+000.00 - 5+500.00)**

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 5+000.00 - 5+500.00)
Sheet No.: 11	Format: A3





**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
5+500	1092.908	DN 300, PN10, DI	1093.56
5+520	1092.684		1093.59
5+560	1092.708		1093.62
5+600	1092.915		1093.65
	1093.146		1093.68
	1093.379		1093.71
	1093.517		1093.73
5+640	1093.045		1093.73
	1092.574		1093.72
5+680	1092.667		1093.70
	1092.899		1093.66
5+720	1092.910		1093.61
	1092.905		1093.54
5+760	1093.008		1093.46
	1093.116		1093.39
5+800	1093.146		1093.31
	1093.131	1093.23	
5+840	1092.982	1093.18	
	1092.954	1093.16	
5+880	1092.926	1093.17	
	1093.156	1093.21	
5+920	1093.569	OD 315, PN10, uPVC	1093.28
	1093.914	1093.38	
5+960	1094.129	1093.51	
	1094.628	1093.69	
6+000	1095.074	1093.98	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

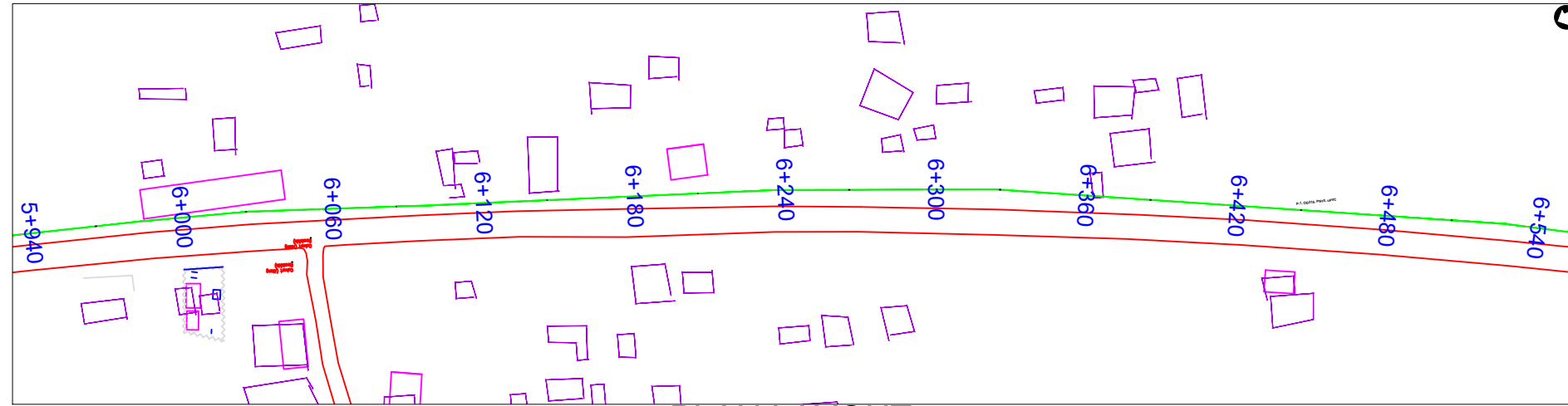
**CONSULTANT:**



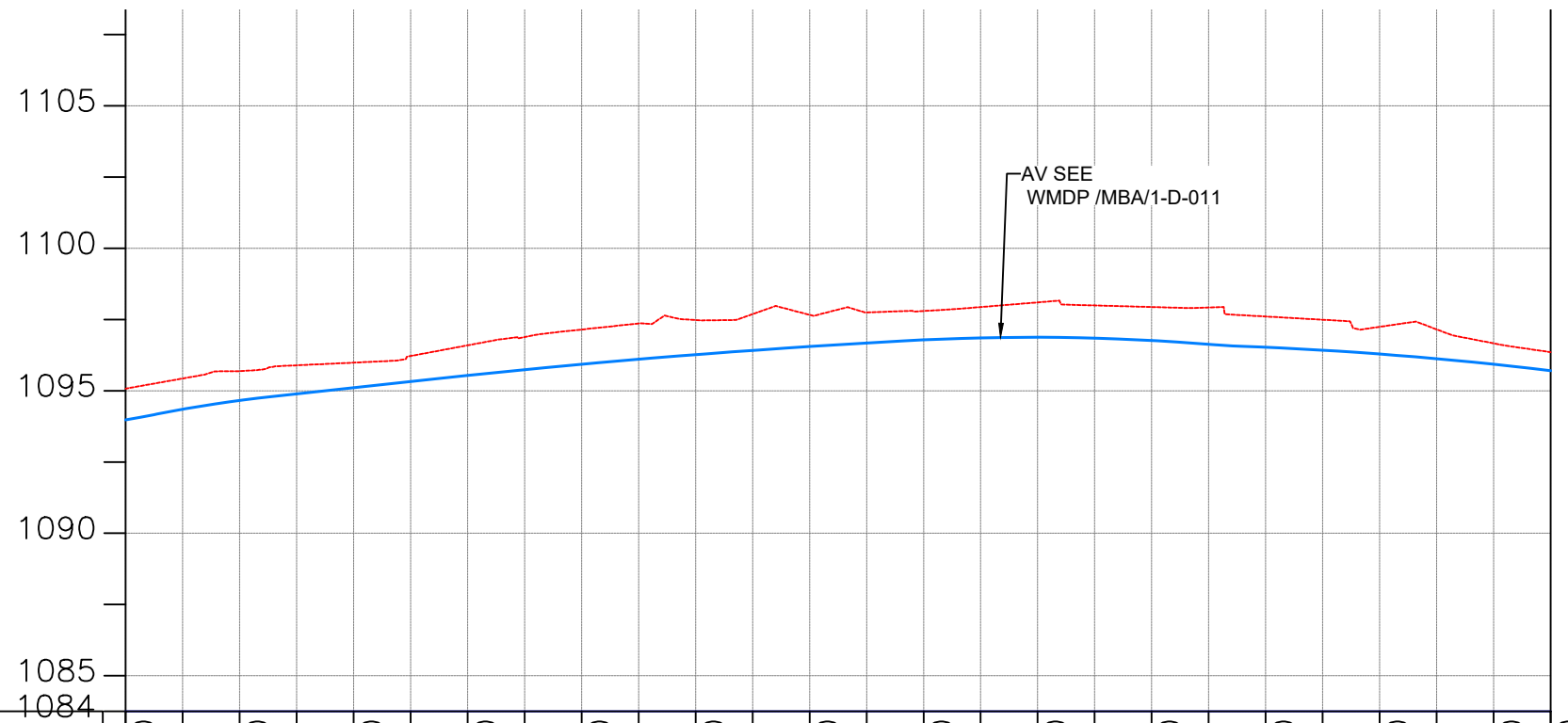
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWM DP/MBA/TL_RGCs (CH 5+500.00 - 6+000.00)
Sheet No.: 12	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
6+000	1095.074	OD 315, PN10, uPVC	1093.98
6+040	1095.430		1094.35
6+080	1095.688		1094.66
	1095.893		1094.89
6+120	1095.987		1095.11
	1096.219		1095.32
6+160	1096.594		1095.54
	1096.883		1095.74
6+200	1097.148		1095.93
	1097.361		1096.11
6+240	1097.481		1096.27
	1097.689		1096.42
6+280	1097.662		1096.55
	1097.749		1096.67
6+320	1097.798		1096.78
	1097.937	1096.86	
6+360	1098.101	1096.88	
	1097.993	1096.85	
6+400	1097.938	1096.76	
	1097.923	1096.63	
6+440	1097.605	1096.53	
	1097.492	1096.42	
6+480	1097.243	1096.29	
	1097.153	1096.12	
6+500	1096.664	1095.93	
	1096.354	1095.70	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

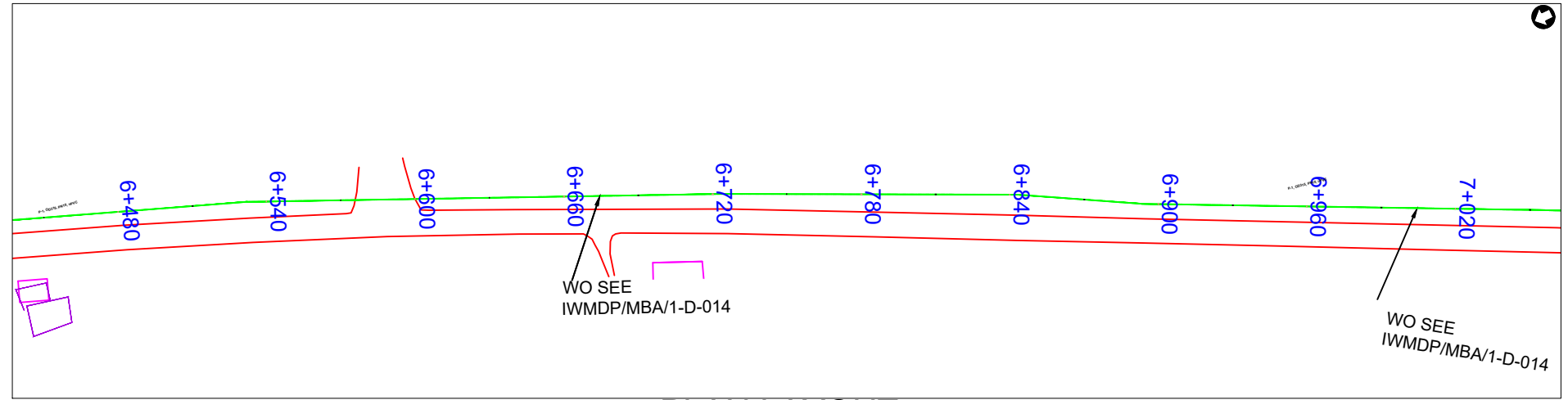
**CONSULTANT:**



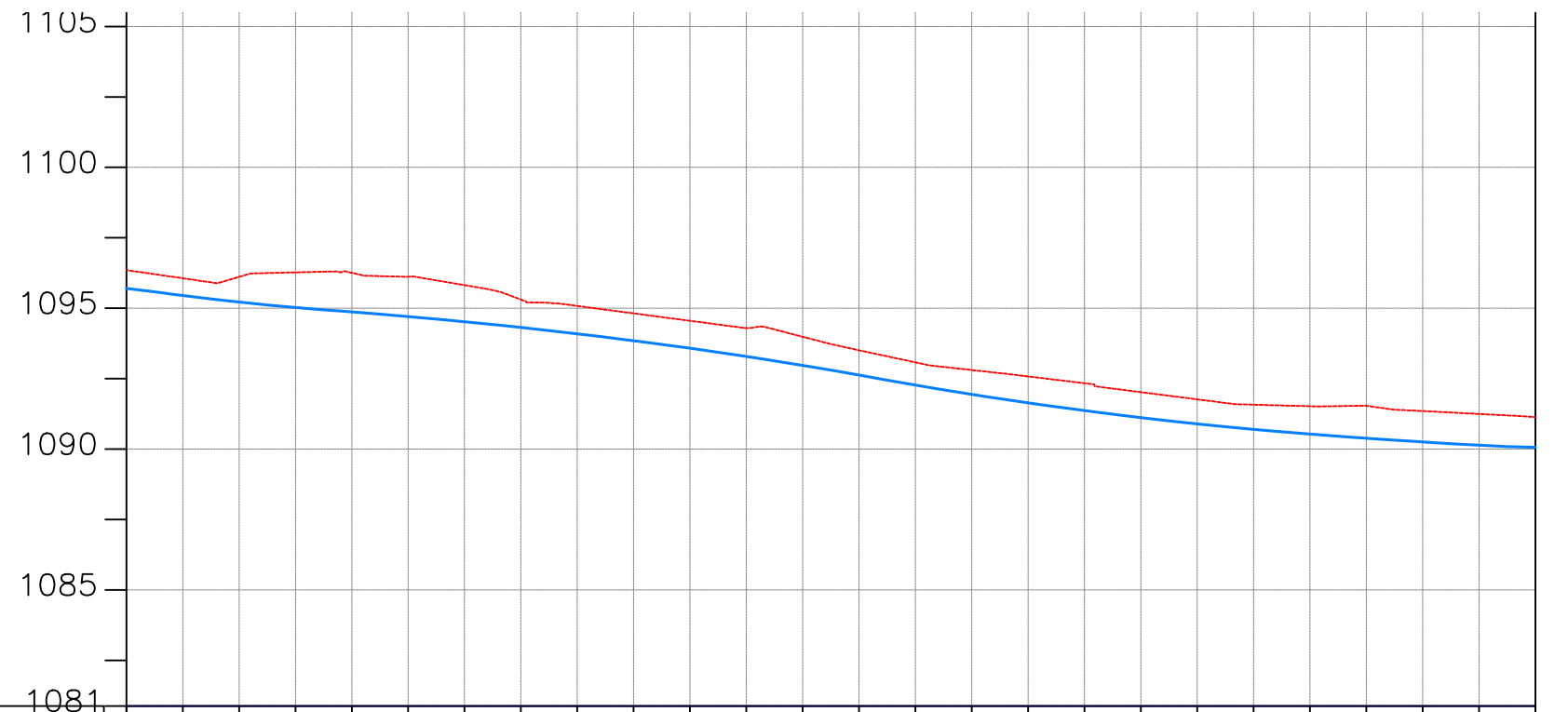
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 6+000.00 - 6+500.00)
Sheet No.: 13	Format: A3



**PLAN LAYOUT**



CHAINAGE	6+500	6+520	6+560	6+600	6+640	6+680	6+720	6+760	6+800	6+840	6+880	6+920	6+960	7+000												
GROUND LEVEL(m)	1096.354	1096.064	1096.114	1096.273	1096.257	1096.118	1095.821	1095.307	1095.081	1094.818	1094.554	1094.296	1093.986	1093.507	1093.079	1092.807	1092.580	1092.338	1092.021	1091.766	1091.577	1091.522	1091.538	1091.351	1091.248	1091.136
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1095.70	1095.45	1095.22	1095.03	1094.87	1094.71	1094.52	1094.32	1094.09	1093.85	1093.58	1093.29	1092.97	1092.63	1092.27	1091.94	1091.64	1091.37	1091.12	1090.90	1090.70	1090.53	1090.39	1090.25	1090.14	1090.06

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

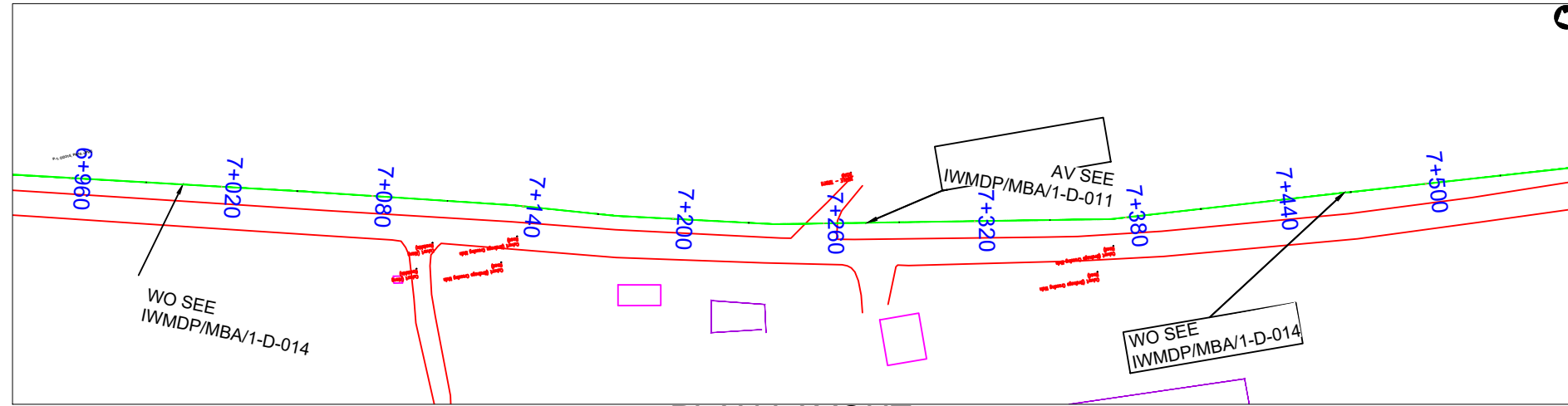
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

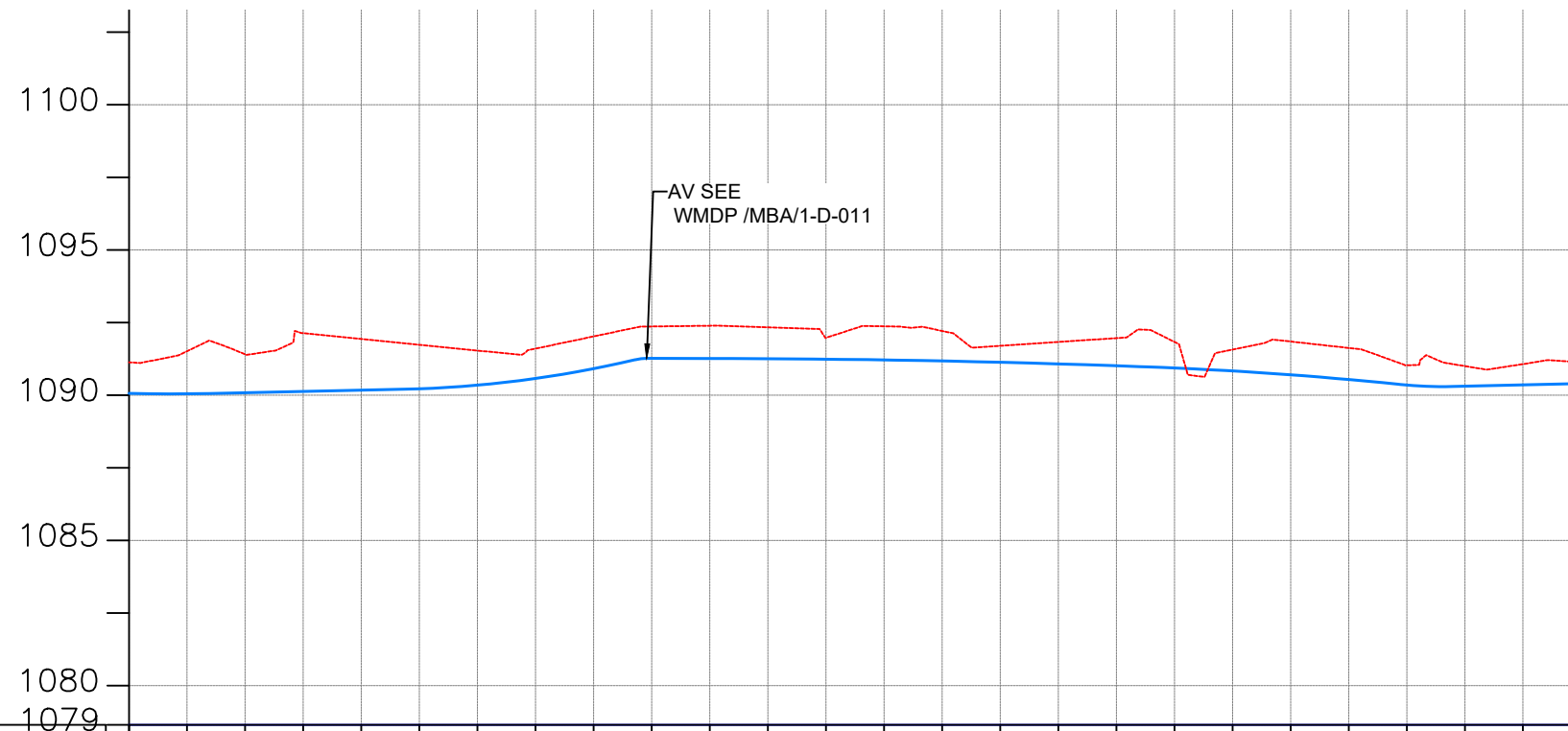
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 6+500.00 - 7+000.00)
Sheet No.: 14	Format: A3



**PLAN LAYOUT**



CHAINAGE	7+000		7+040		7+080		7+120		7+160		7+200		7+240		7+280		7+320		7+360		7+400		7+440		7+480	7+500	
GROUND LEVEL(m)	1091.136	1091.515	1091.408	1092.136	1091.937	1091.737	1091.538	1091.604	1092.025	1092.367	1092.393	1092.339	1091.976	1092.372	1092.213	1091.701	1091.833	1091.966	1091.837	1091.571	1091.849	1091.628	1091.029	1091.003	1091.072	1091.136	
PIPE DETAILS	OD 315, PN10, uPVC																										
PIPE INVERT(m)	1090.06	1090.05	1090.09	1090.13	1090.17	1090.22	1090.35	1090.58	1090.92	1091.27	1091.27	1091.26	1091.24	1091.22	1091.18	1091.13	1091.08	1091.01	1090.94	1090.84	1090.70	1090.54	1090.35	1090.31	1090.36	1090.40	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

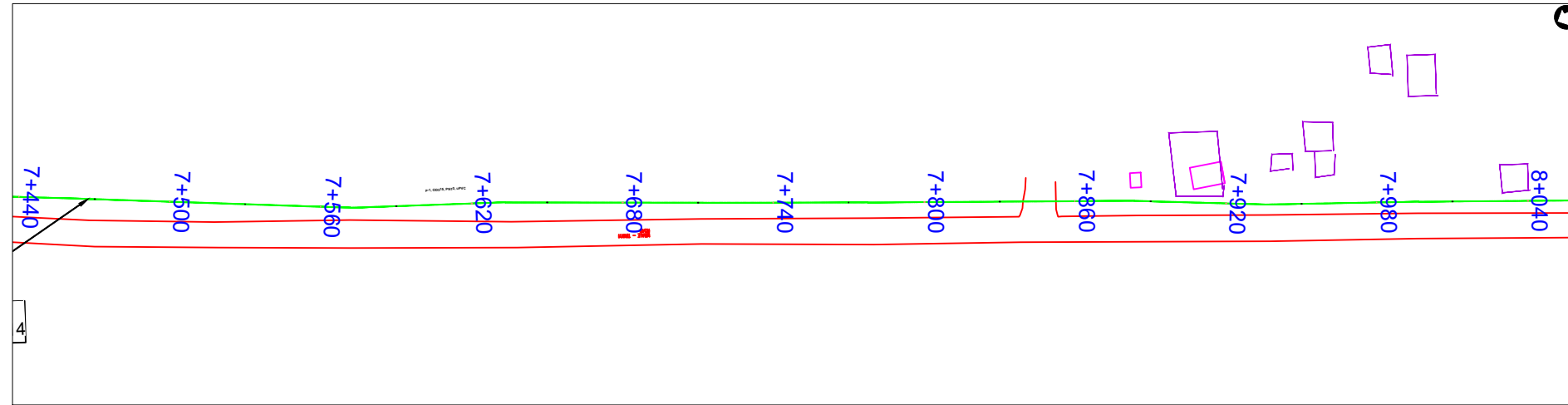
**CONSULTANT:**



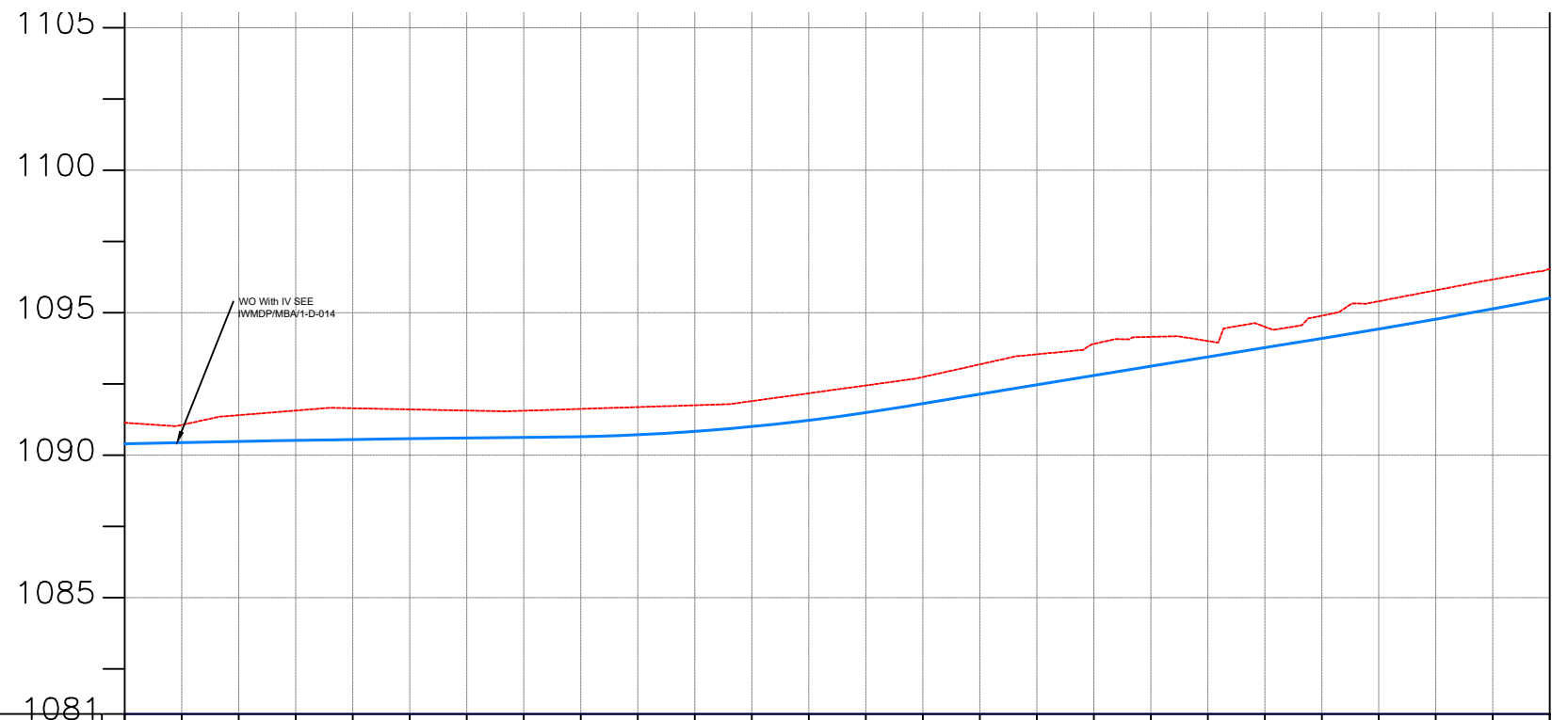
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 7+000.00 - 7+500.00)
Sheet No.: 15	Format: A3



**PLAN LAYOUT**



CHAINAGE	7+500	7+520	7+560	7+600	7+640	7+680	7+720	7+760	7+800	7+840	7+880	7+920	7+960	8+000												
GROUND LEVEL(m)	1091.136	1091.062	1091.404	1091.566	1091.647	1091.606	1091.566	1091.560	1091.624	1091.688	1091.752	1091.898	1092.172	1092.447	1092.742	1093.188	1093.541	1093.906	1094.153	1094.007	1094.505	1094.895	1095.402	1095.787	1096.166	1096.541
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1090.40	1090.44	1090.48	1090.52	1090.55	1090.58	1090.60	1090.62	1090.65	1090.72	1090.84	1091.00	1091.22	1091.49	1091.81	1092.14	1092.47	1092.80	1093.12	1093.45	1093.77	1094.10	1094.43	1094.78	1095.14	1095.51

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

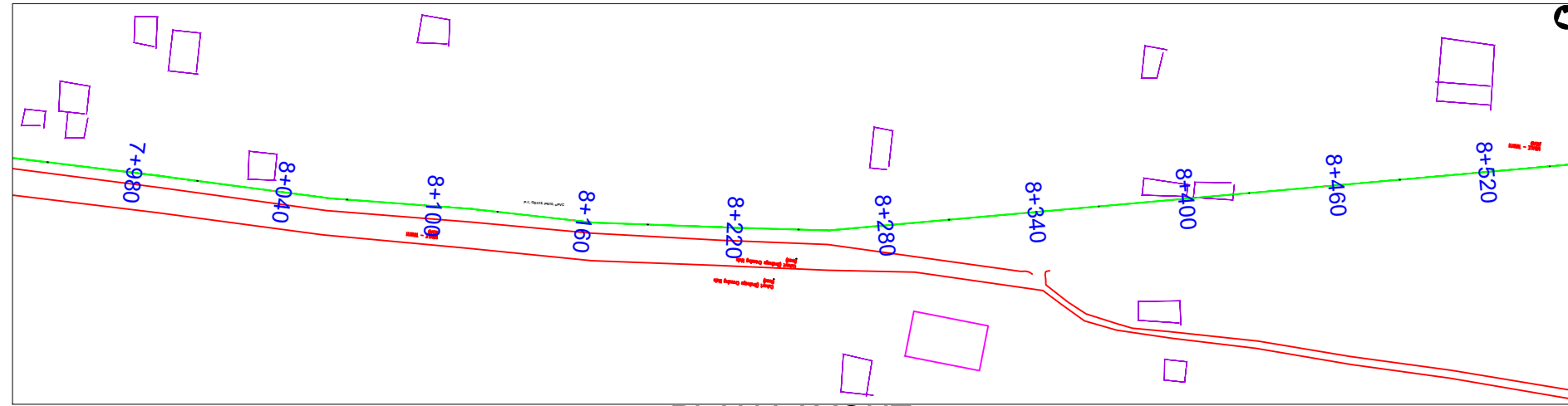
**CONSULTANT:**



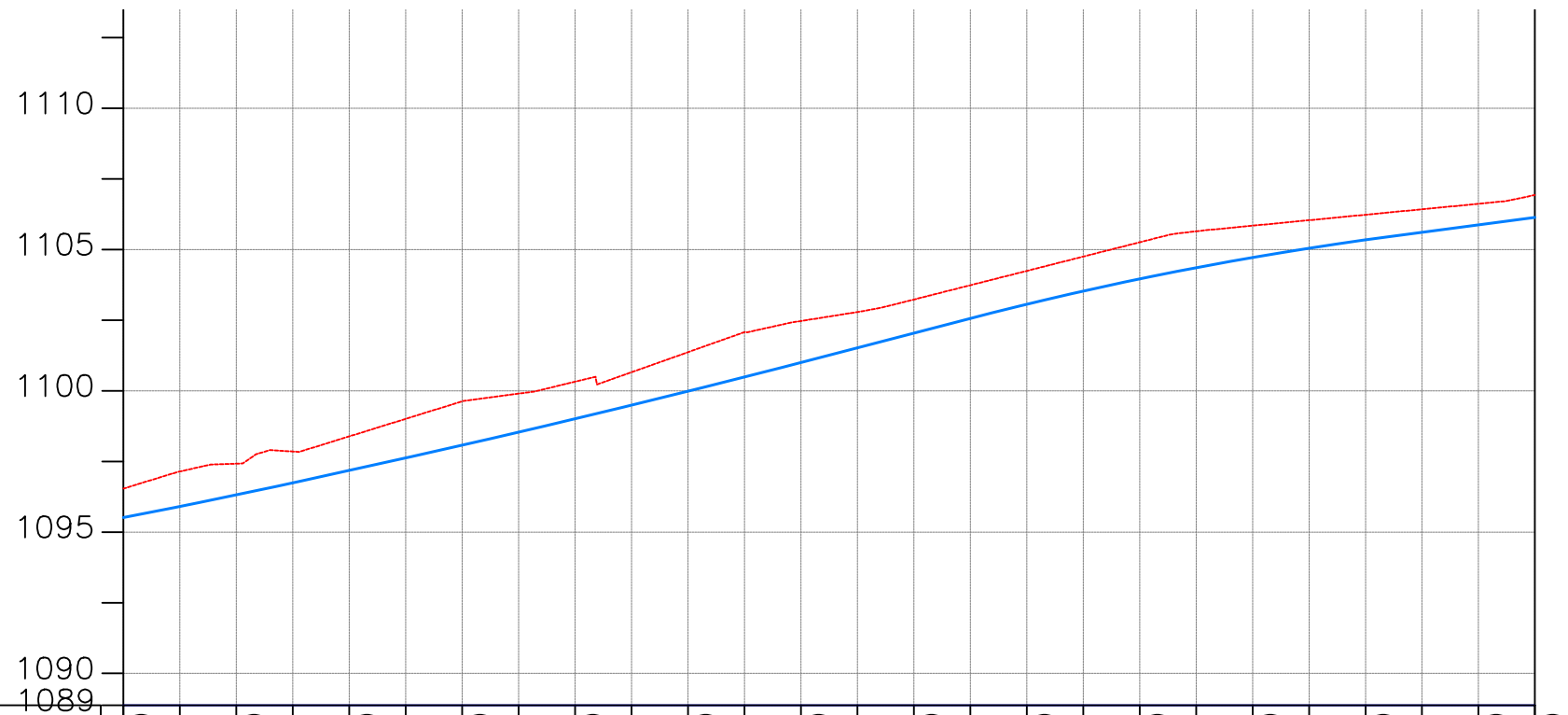
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 7+500.00 - 8+000.00)
Sheet No.: 16	Format: A3



**PLAN LAYOUT**



CHAINAGE	8+000	8+040	8+080	8+120	8+160	8+200	8+240	8+280	8+320	8+360	8+400	8+440	8+480	8+500												
GROUND LEVEL(m)	1096.541	1097.145	1097.422	1097.852	1098.389	1099.008	1099.628	1099.901	1100.323	1100.659	1101.368	1102.078	1102.471	1102.788	1103.230	1103.737	1104.244	1104.750	1105.257	1105.645	1105.844	1106.038	1106.231	1106.425	1106.618	1106.928
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1095.51	1095.91	1096.32	1096.74	1097.18	1097.63	1098.08	1098.54	1099.01	1099.49	1099.99	1100.49	1101.00	1101.52	1102.04	1102.56	1103.06	1103.53	1103.96	1104.36	1104.72	1105.05	1105.34	1105.61	1105.87	1106.13

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

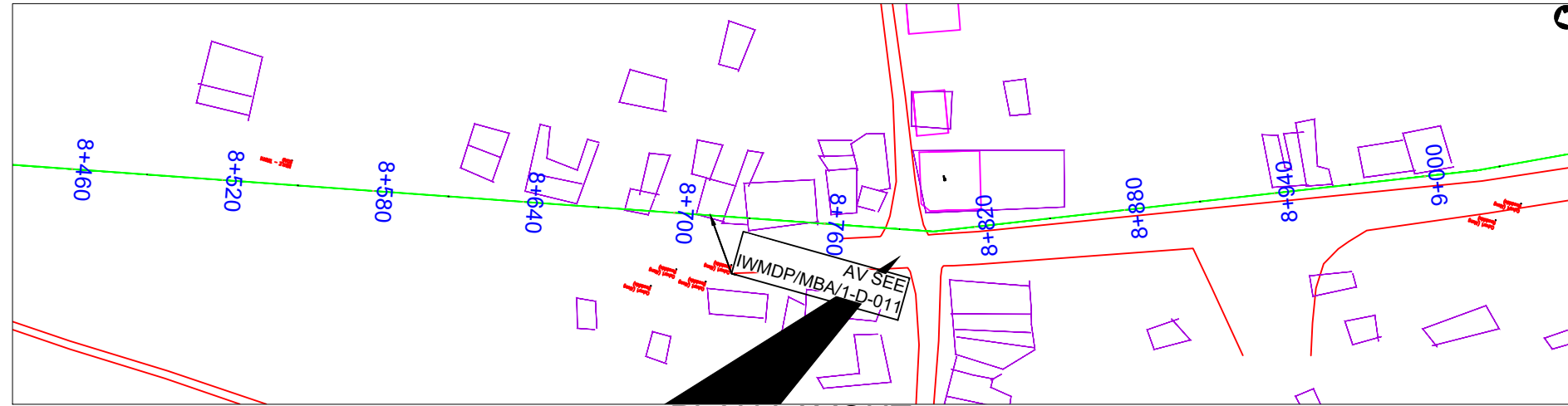


**Drawing Title:**

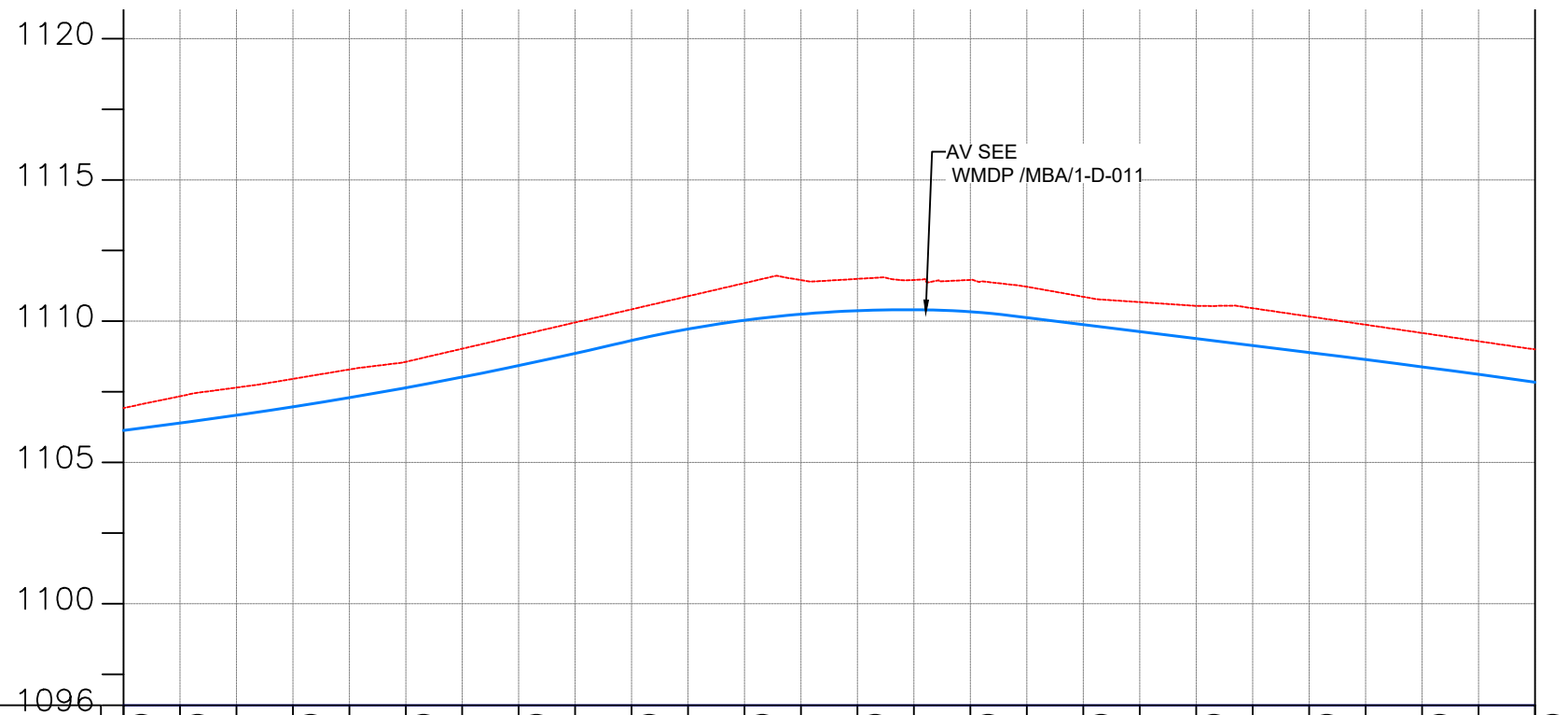
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 8+000.00 - 8+500.00)
Sheet No.: 17	Format: A3





**PLAN LAYOUT**



CHAINAGE	8+500	8+520	8+560	8+600	8+640	8+680	8+720	8+760	8+800	8+840	8+880	8+920	8+960	9+000												
GROUND LEVEL(m)	1106.928	1107.344	1107.651	1107.958	1108.291	1108.562	1109.026	1109.491	1109.955	1110.420	1110.884	1111.348	1111.453	1111.497	1111.458	1111.461	1111.218	1110.863	1110.675	1110.543	1110.459	1110.167	1109.875	1109.583	1109.291	1109.005
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1106.13	1106.40	1106.67	1106.97	1107.29	1107.64	1108.02	1108.43	1108.86	1109.32	1109.72	1110.03	1110.25	1110.37	1110.40	1110.33	1110.13	1109.88	1109.63	1109.39	1109.14	1108.89	1108.64	1108.38	1108.12	1107.84

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

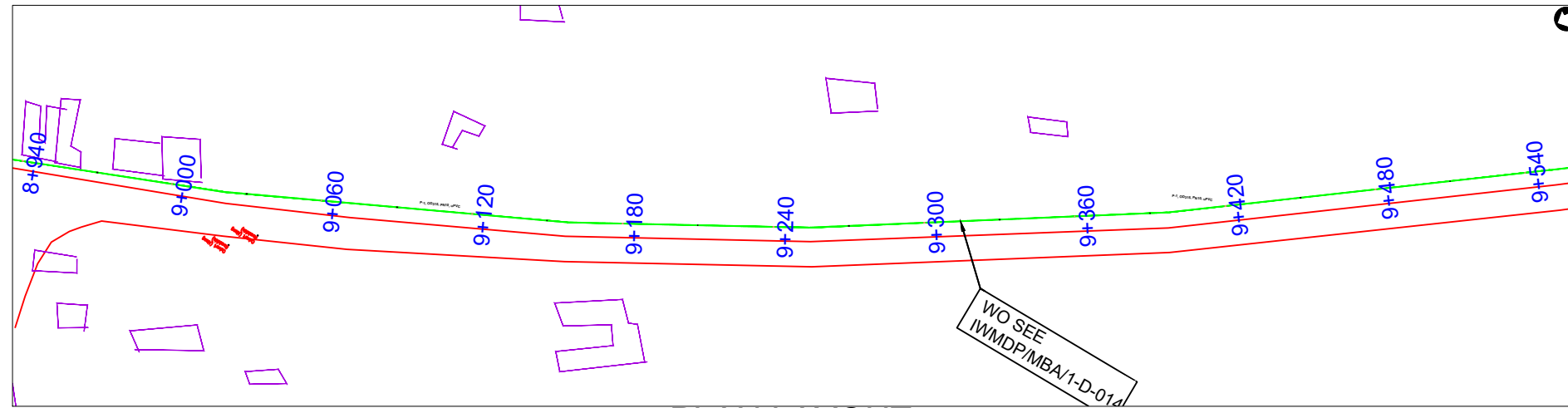
**CONSULTANT:**



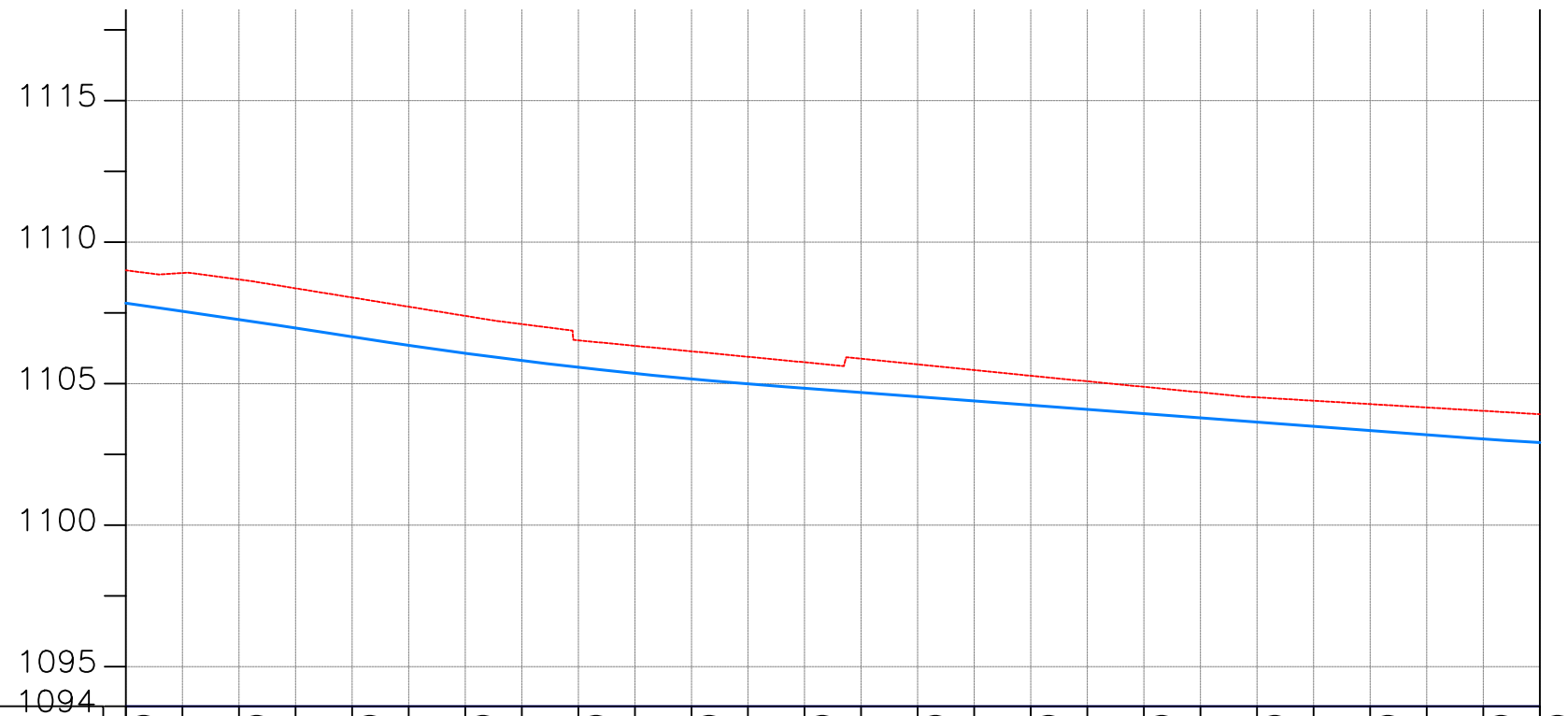
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 8+500.00 - 9+000.00)
Sheet No.: 18	Format: A3



PLAN LAYOUT



CHAINAGE	9+000		9+040		9+080		9+120		9+160		9+200		9+240		9+280		9+320		9+360		9+400		9+440		9+480	9+500		
GROUND LEVEL(m)	1109.005	1108.910	1108.682	1108.370	1108.045	1107.721	1107.396	1107.105	1106.532	1106.338	1106.144	1105.950	1105.756	1105.881	1105.680	1105.478	1105.278	1105.083	1104.888	1104.693	1104.517	1104.398	1104.278	1104.159	1104.040	1103.920		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1107.84	1107.56	1107.27	1106.97	1106.66	1106.36	1106.08	1105.82	1105.58	1105.36	1105.17	1104.99	1104.84	1104.69	1104.54	1104.39	1104.24	1104.09	1103.94	1103.79	1103.64	1103.49	1103.34	1103.19	1103.05	1102.92		

AMENDMENTS

No	Date	Revision

NOTES

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

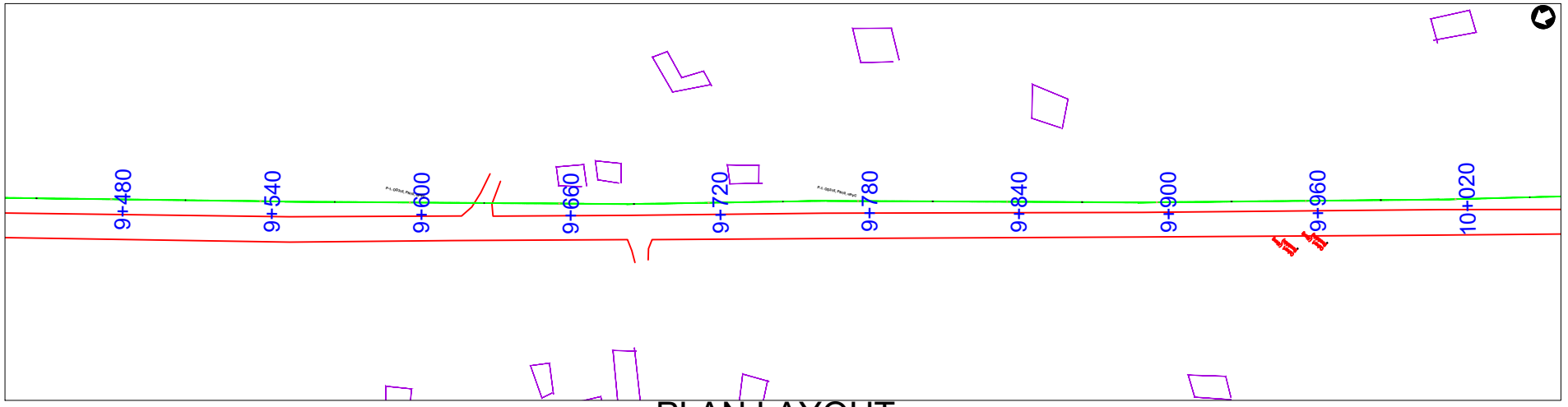
CONSULTANT:



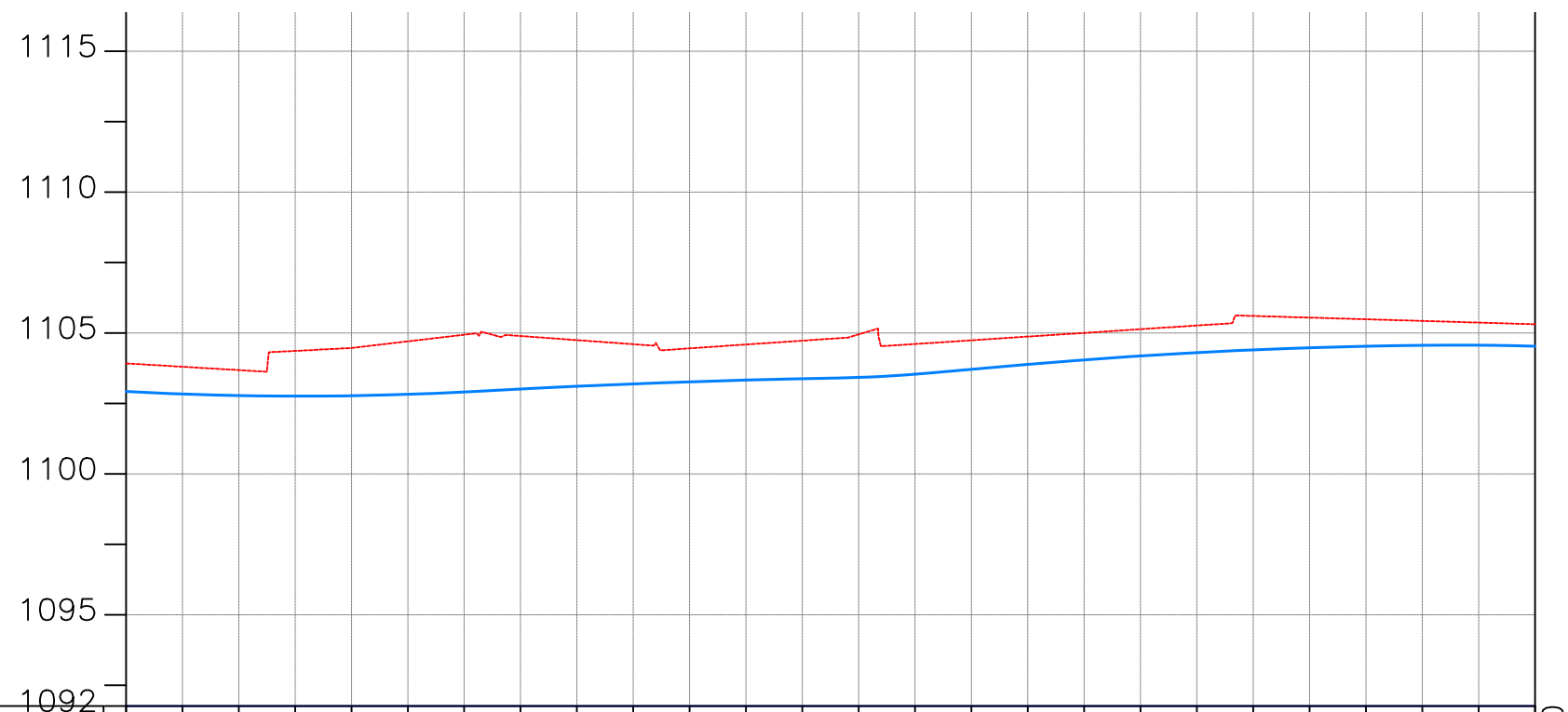
Drawing Title:

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 9+000.00 - 9+500.00)
Sheet No.: 19	Format: A3



**PLAN LAYOUT**



CHAINAGE	9+500	9+520	9+560	9+600	9+640	9+680	9+720	9+760	9+800	9+840	9+880	9+920	9+960	10+000												
GROUND LEVEL(m)	1103.920	1103.801	1103.681	1104.363	1104.468	1104.702	1104.937	1104.892	1104.746	1104.600	1104.454	1104.590	1104.726	1104.951	1104.609	1104.740	1104.871	1105.002	1105.133	1105.264	1105.604	1105.545	1105.486	1105.427	1105.369	1105.310
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1102.92	1102.83	1102.78	1102.76	1102.77	1102.82	1102.90	1103.01	1103.11	1103.19	1103.26	1103.33	1103.38	1103.42	1103.54	1103.71	1103.88	1104.04	1104.18	1104.30	1104.40	1104.47	1104.53	1104.56	1104.57	1104.53

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

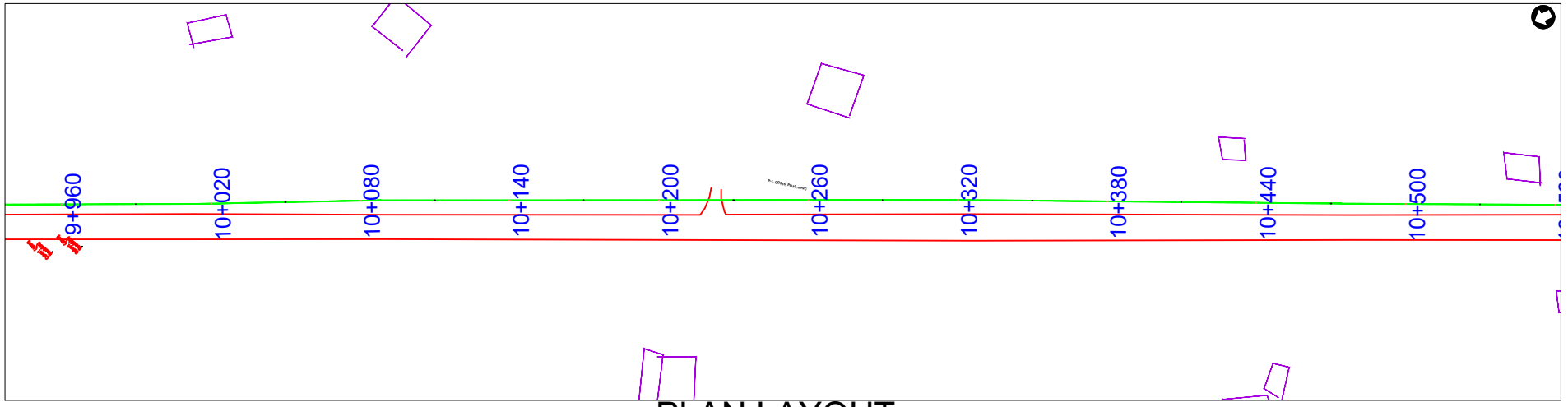
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

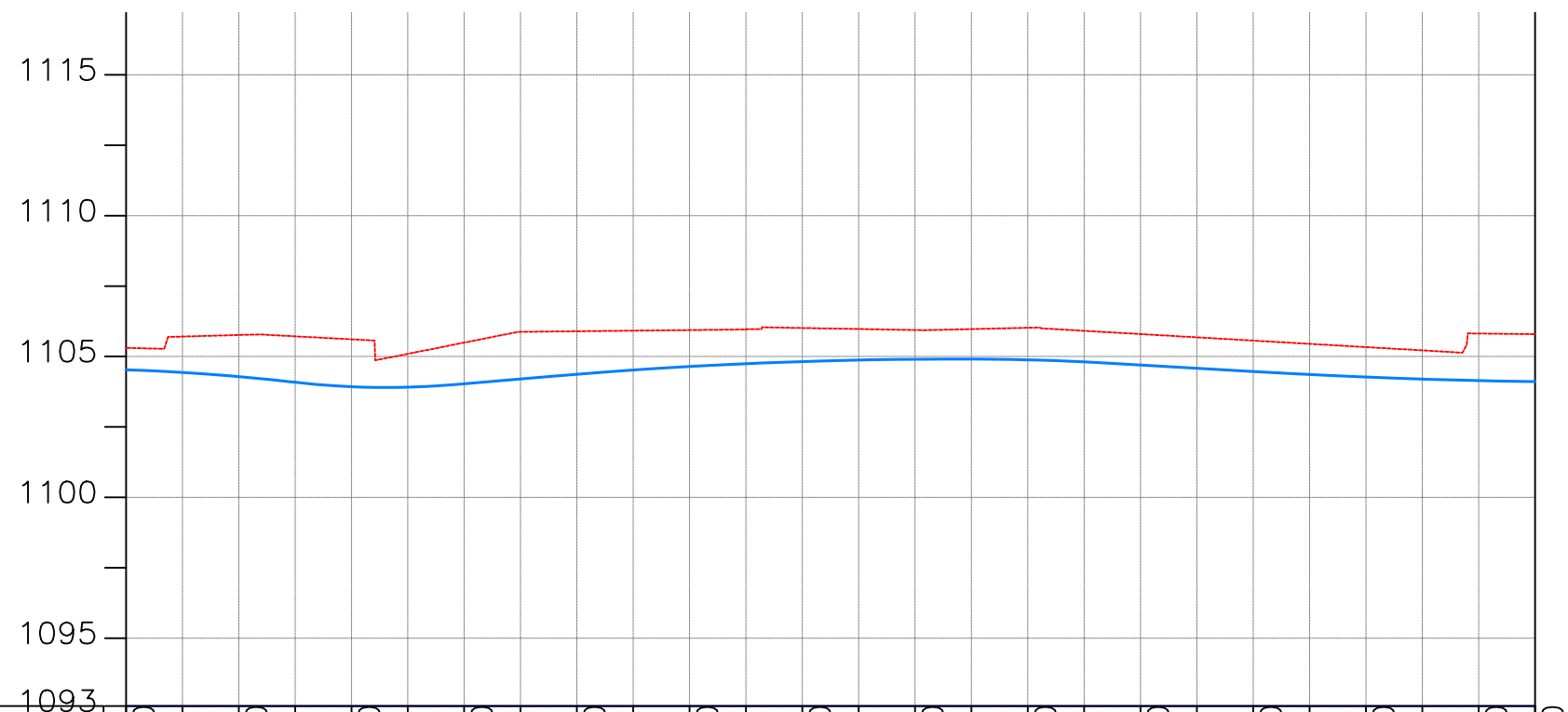
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 9+500.00 - 10+000.00)
Sheet No.: 20	Format: A3



PLAN LAYOUT



CHAINAGE	10+000		10+040		10+080		10+120		10+160		10+200		10+240		10+280		10+320		10+360		10+400		10+440		10+480	10+500		
GROUND LEVEL(m)	1105.310	1105.709	1105.765	1105.717	1105.610	1105.095	1105.494	1105.875	1105.896	1105.918	1105.939	1105.969	1106.012	1105.976	1105.940	1105.973	1106.020	1105.912	1105.797	1105.681	1105.565	1105.450	1105.334	1105.218	1105.816	1105.792		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1104.53	1104.43	1104.29	1104.08	1103.93	1103.91	1104.03	1104.20	1104.37	1104.52	1104.64	1104.74	1104.82	1104.87	1104.90	1104.91	1104.88	1104.81	1104.70	1104.58	1104.47	1104.36	1104.27	1104.20	1104.15	1104.11		

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MB/W/0.0.0
  4. For Node details, see Dwg. MB/W/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

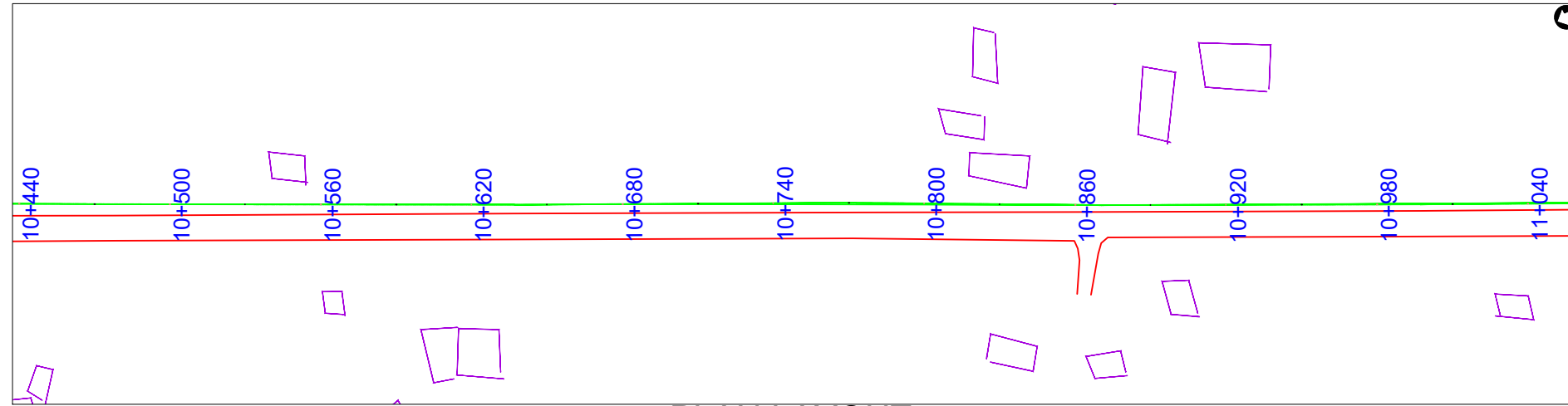
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

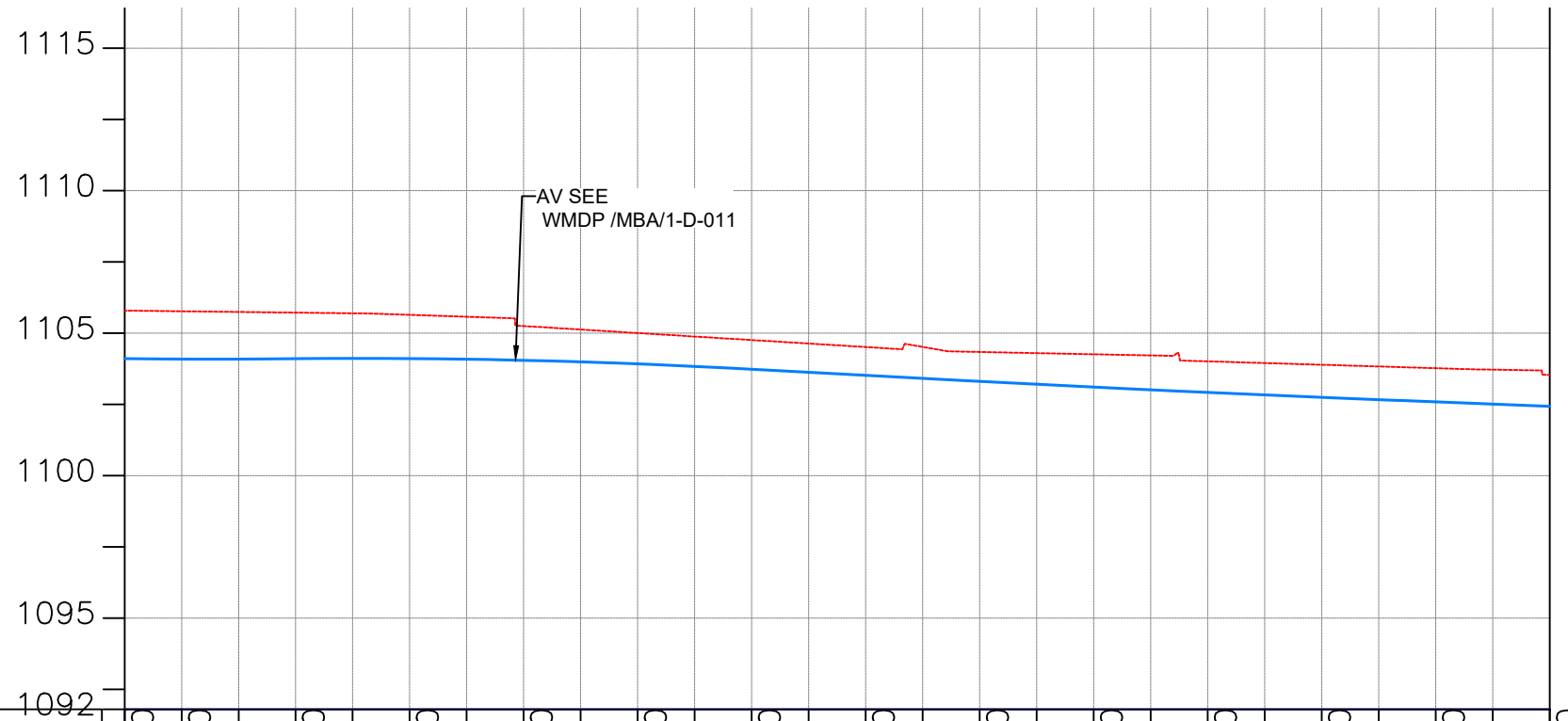
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 10+000.00 - 10+500.00)
Sheet No.: 21	Format: A3



PLAN LAYOUT



CHAINAGE	10+500	10+520	10+560	10+600	10+640	10+680	10+720	10+760	10+800	10+840	10+880	10+920	10+960	11+000														
GROUND LEVEL(m)	1105.792	1105.769	1105.745	1105.721	1105.697	1105.644	1105.577	1105.250	1105.128	1105.005	1104.882	1104.759	1104.637	1104.514	1104.517	1104.340	1104.300	1104.260	1104.220	1104.012	1103.952	1103.892	1103.832	1103.772	1103.720	1103.534		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1104.11	1104.09	1104.09	1104.11	1104.12	1104.11	1104.09	1104.05	1103.99	1103.92	1103.83	1103.73	1103.63	1103.52	1103.42	1103.31	1103.21	1103.11	1103.01	1102.92	1102.83	1102.75	1102.67	1102.59	1102.51	1102.43		

AMENDMENTS

No	Date	Revision

NOTES

- All dimensions are in metres unless stated otherwise.
- All levels are in metres above sea level.
- For Site location see Dwg. MBW/0.0.0
- For Node details, see Dwg. MBW/6.0.0
- All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

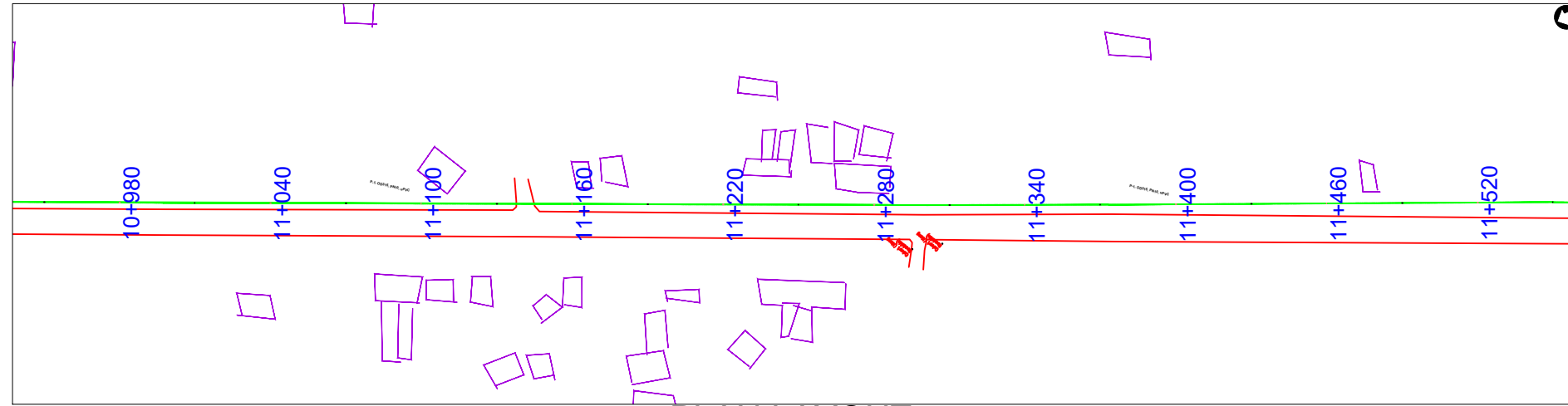
CONSULTANT:



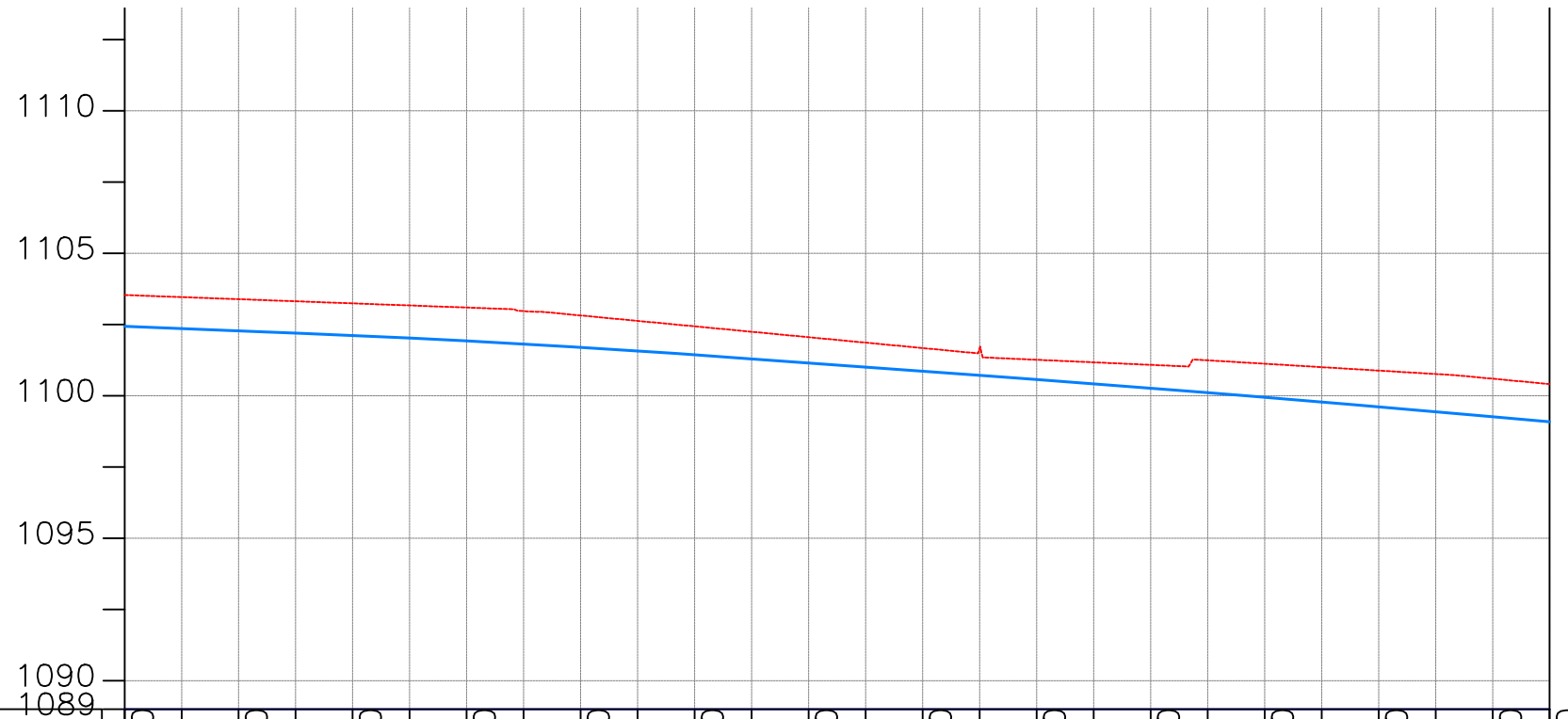
Drawing Title:

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 10+500.00 - 11+000.00)
Sheet No.: 22	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
11+000	1103.534	OD 315, PN10, uPVC	1102.43
	1103.461		1102.35
11+040	1103.388		1102.28
	1103.315		1102.20
11+080	1103.242		1102.11
	1103.168		1102.02
11+120	1103.095		1101.92
	1102.970		1101.81
11+160	1102.817		1101.70
	1102.626		1101.57
11+200	1102.436		1101.44
	1102.245		1101.29
11+240	1102.054		1101.15
	1101.863		1101.00
11+280	1101.672		1100.86
	1101.665		1100.71
11+320	1101.261		1100.57
	1101.172		1100.42
11+360	1101.083		1100.26
	1101.242		1100.10
11+400	1101.123	1099.94	
	1101.003	1099.78	
11+440	1100.883	1099.61	
	1100.763	1099.43	
11+480	1100.597	1099.26	
11+500	1100.409	1099.09	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MBW/0.0.0
4. For Node details, see Dwg. MBW/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

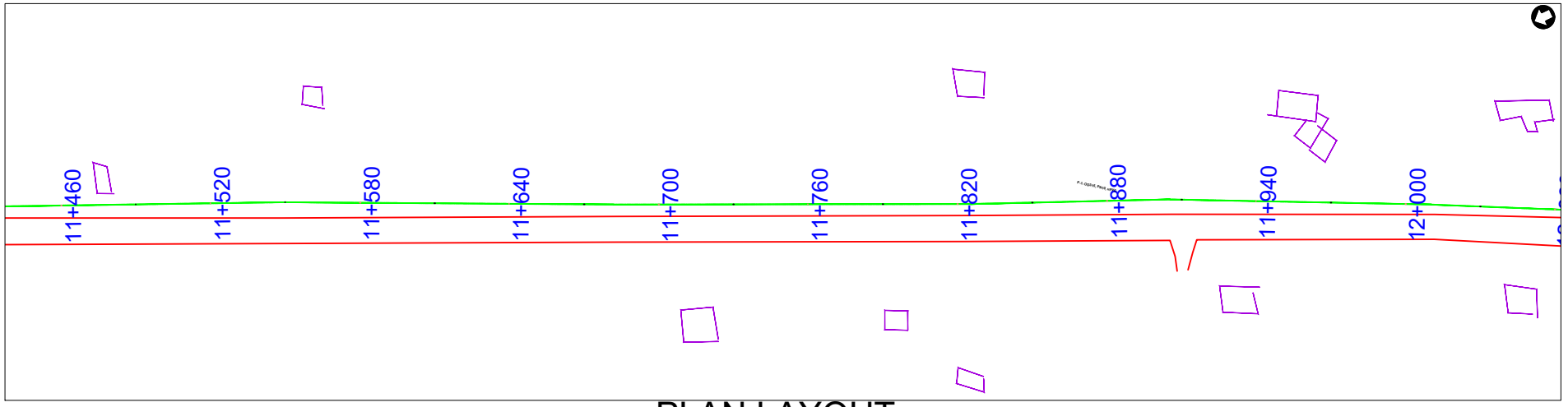


**Drawing Title:**

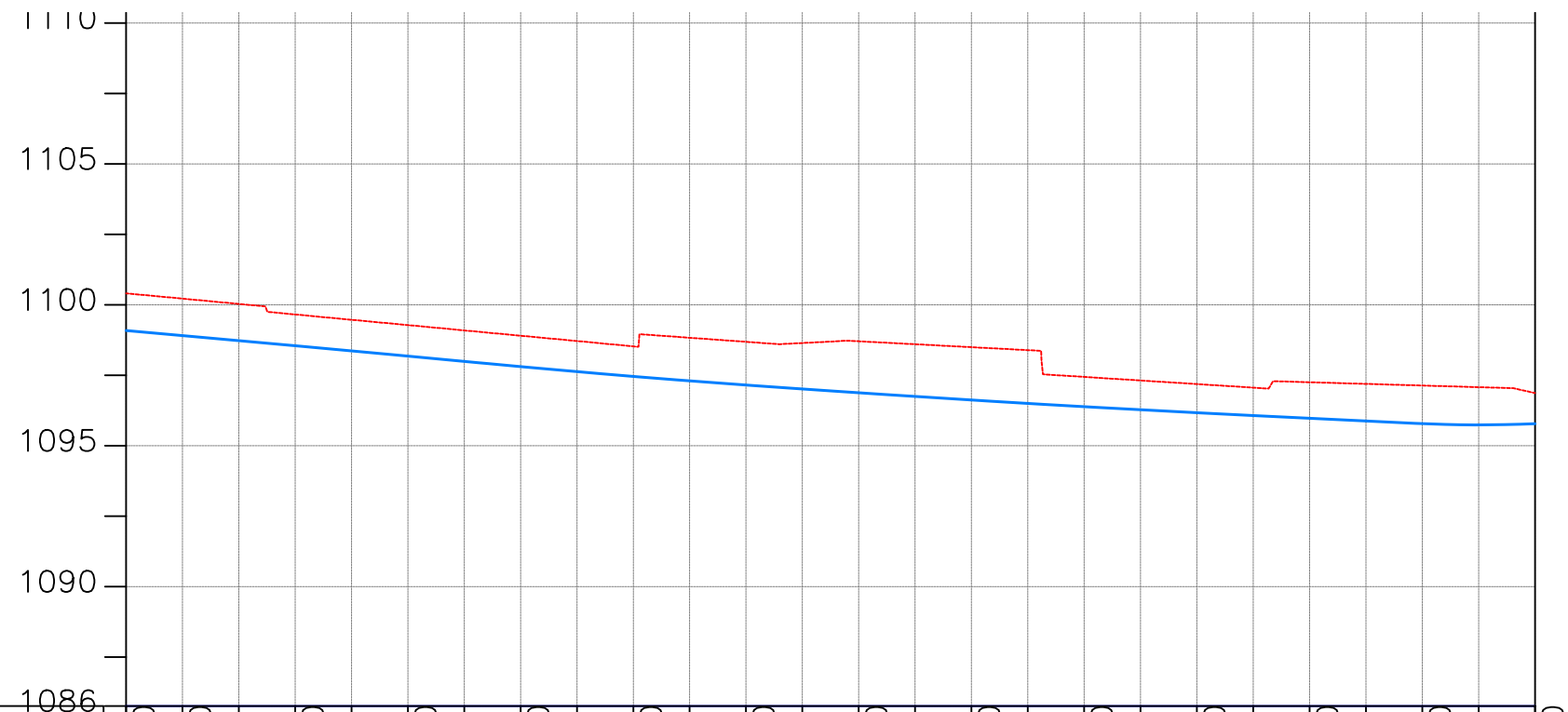
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 11+000.00 - 11+500.00)
Sheet No.: 23	Format: A3





**PLAN LAYOUT**



CHAINAGE	11+500	11+520	11+560	11+600	11+640	11+680	11+720	11+760	11+800	11+840	11+880	11+920	11+960	12+000														
GROUND LEVEL(m)	1100.409	1100.221	1100.033	1099.658	1099.470	1099.281	1099.093	1098.904	1098.716	1098.527	1098.832	1098.688	1098.646	1098.707	1098.602	1098.498	1098.393	1097.442	1097.315	1097.188	1097.062	1097.253	1097.195	1097.136	1097.078	1096.871	12+000	
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1099.09	1098.91	1098.73	1098.55	1098.36	1098.18	1097.99	1097.81	1097.63	1097.46	1097.30	1097.15	1097.01	1096.88	1096.75	1096.62	1096.50	1096.39	1096.28	1096.17	1096.07	1095.98	1095.88	1095.78	1095.74	1095.78	1095.74	1095.78

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

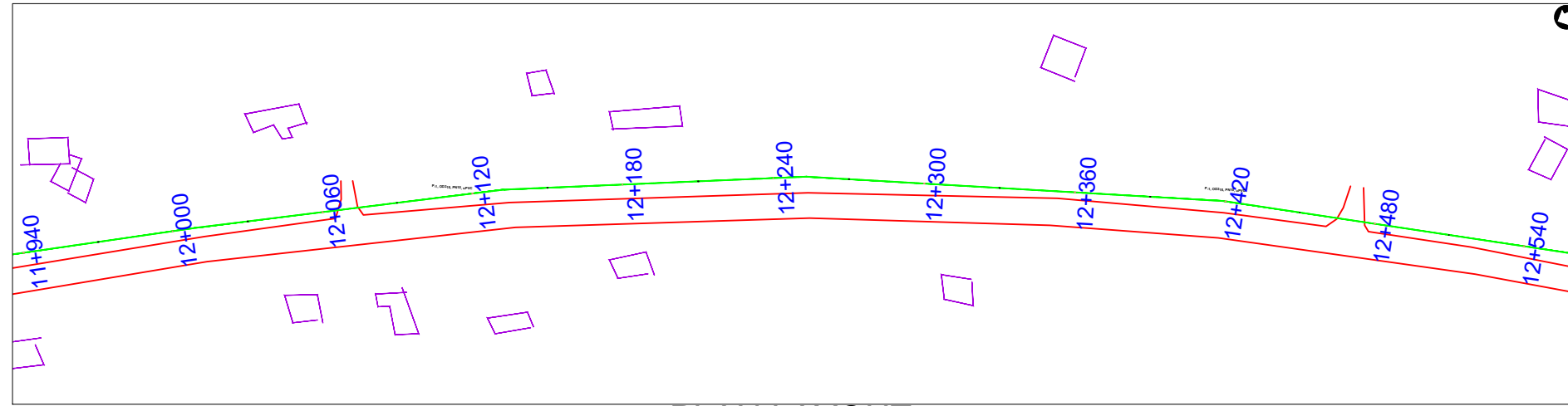
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

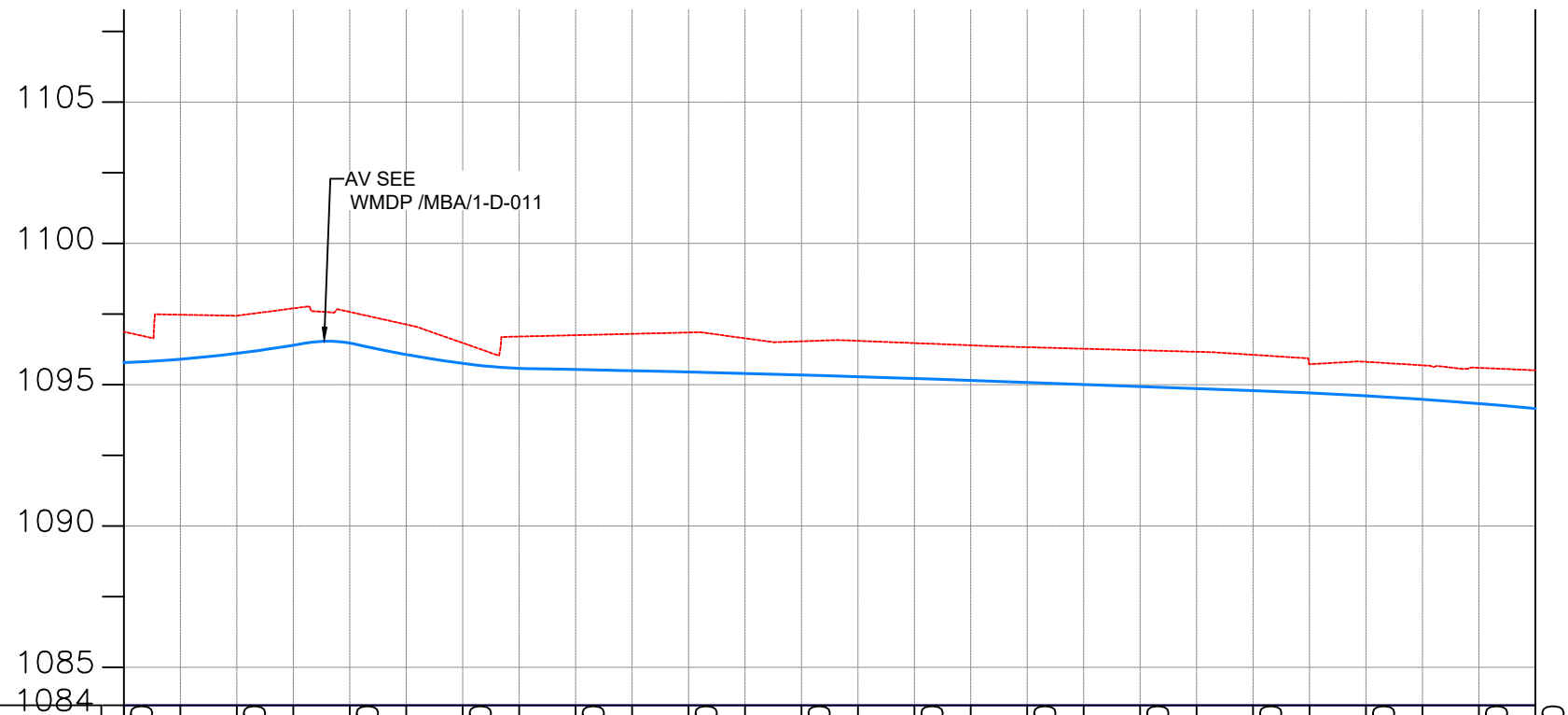
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 11+500.00 - 12+000.00)
Sheet No.: 24	Format: A3



**PLAN LAYOUT**



CHAINAGE	12+000		12+040		12+080		12+120		12+160		12+200		12+240		12+280		12+320		12+360		12+400		12+440		12+480	12+500
GROUND LEVEL(m)	1096.871	1097.475	1097.439	1097.700	1097.574	1097.130	1096.476	1096.703	1096.750	1096.798	1096.846	1096.640	1096.535	1096.551	1096.471	1096.392	1096.325	1096.271	1096.217	1096.163	1096.057	1095.722	1095.807	1095.685	1095.596	1095.509
PIPE DETAILS	OD 315, PN10, uPVC												OD 315, PN10, uPVC													
PIPE INVERT(m)	1095.78	1095.90	1096.11	1096.40	1096.47	1096.07	1095.75	1095.58	1095.54	1095.49	1095.45	1095.40	1095.34	1095.28	1095.22	1095.15	1095.08	1095.00	1094.93	1094.86	1094.79	1094.71	1094.60	1094.48	1094.33	1094.16

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

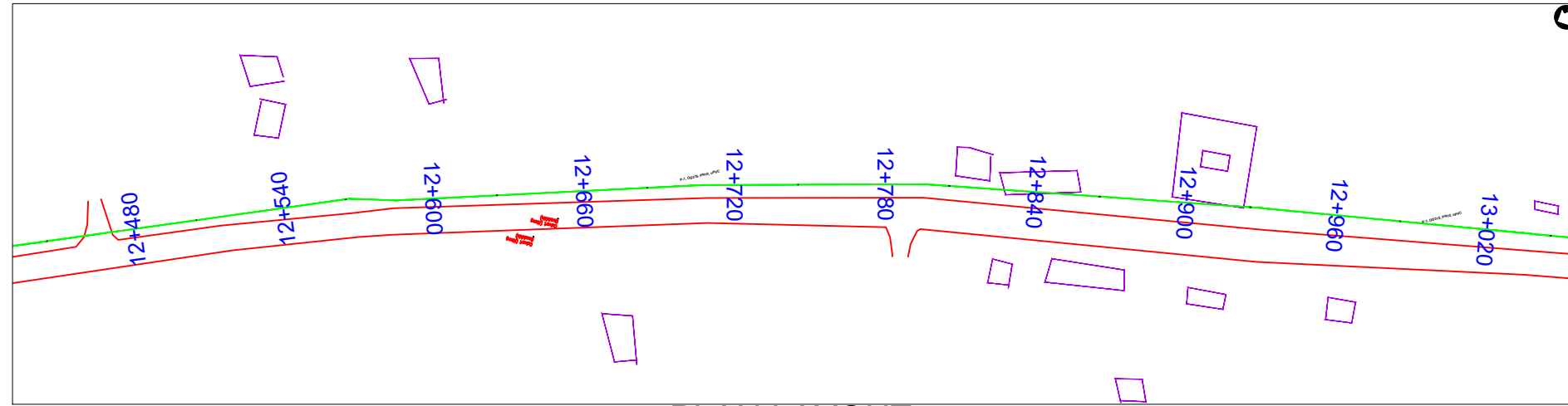
**CONSULTANT:**



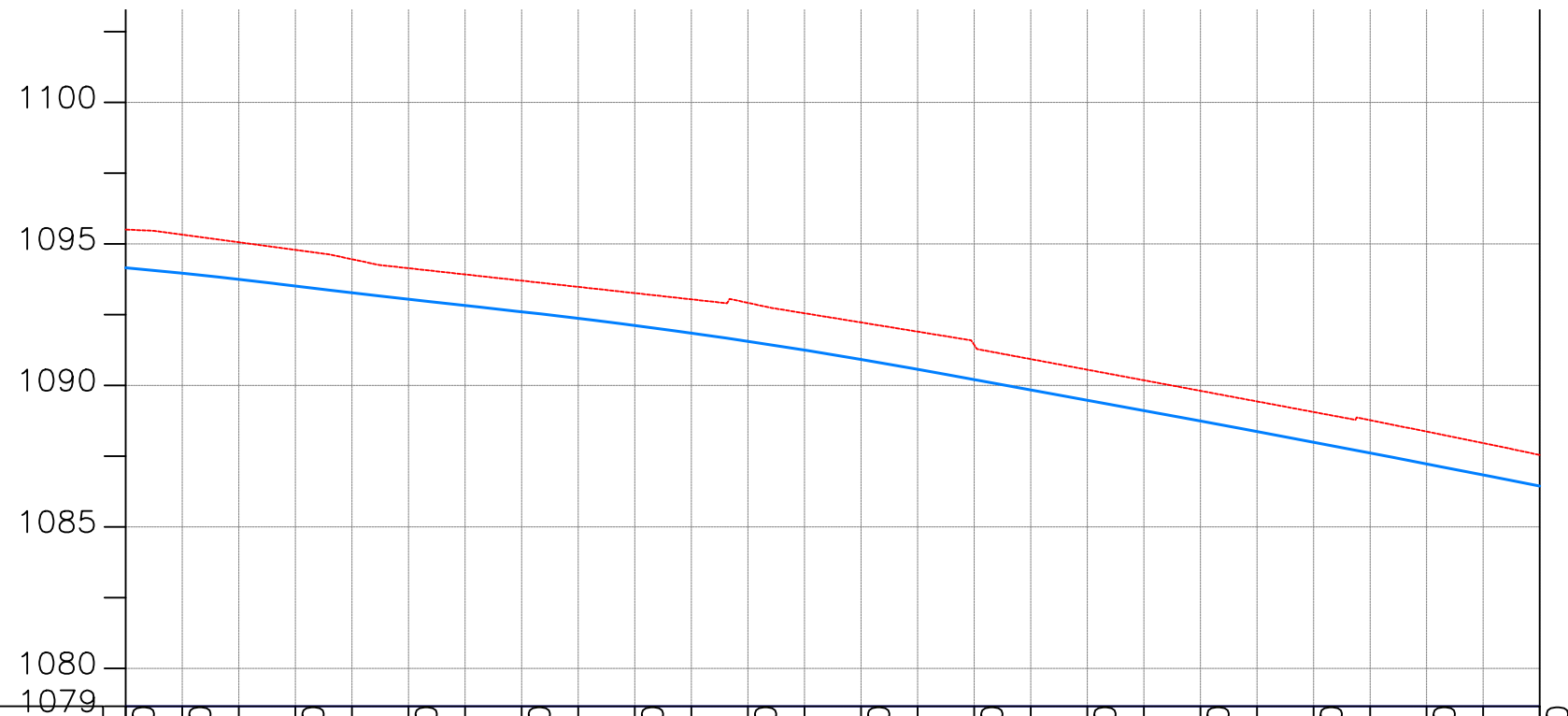
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 12+000.00 - 12+500.00)
Sheet No.: 25	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
12+500	1095.509	OD 315, PN10, uPVC	1094.16
12+520	1095.330		1093.96
	1095.061		1093.75
12+560	1094.792		1093.51
	1094.460		1093.28
12+600	1094.143		1093.05
	1093.923		1092.82
12+640	1093.703		1092.60
	1093.483		1092.37
12+680	1093.263		1092.12
	1093.043		1091.85
12+720	1092.919		1091.56
	1092.551		1091.25
12+760	1092.227		1090.92
	1091.902		1090.57
12+800	1091.434		1090.21
	1090.931		1089.84
12+840	1090.557		1089.48
	1090.184		1089.11
12+880	1089.810		1088.74
	1089.436	1088.37	
12+920	1089.062	1087.99	
	1088.774	1087.61	
12+960	1088.369	1087.23	
	1087.964	1086.84	
13+000	1087.542	1086.44	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

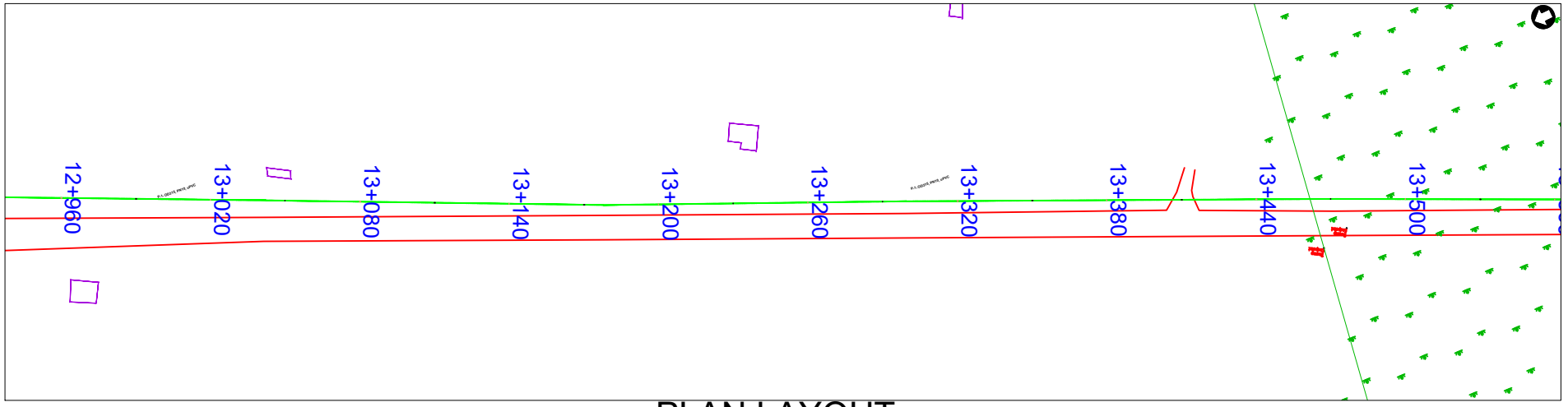
**CONSULTANT:**



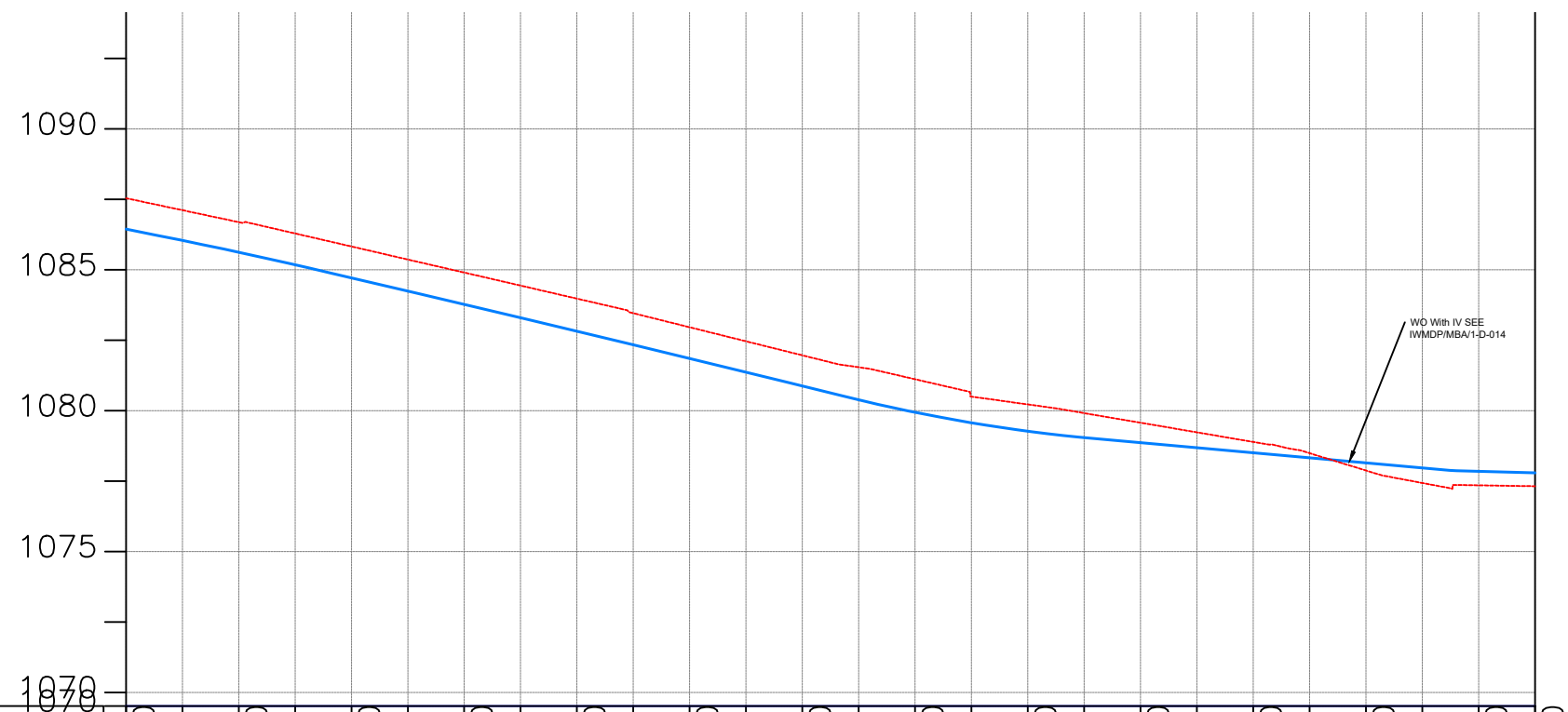
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 12+500.00 - 13+000.00)
Sheet No.: 26	Format: A3



PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
13+000	1087.542	OD 315, PN10, uPVC	1086.44
13+040	1087.117		1086.04
13+080	1086.692	DN 300, PN10, DI	1085.62
13+120	1086.291		1085.18
13+160	1085.828		1084.71
13+200	1085.366		1084.24
13+240	1084.903		1083.77
13+280	1084.441		1083.30
13+320	1083.978		1082.82
13+360	1083.460		1082.34
13+400	1082.962		1081.86
13+440	1082.464		1081.37
13+480	1081.966		1080.88
13+500	1081.543		1080.39
	1081.117		1079.94
	1080.501		1079.57
	1080.223		1079.27
	1079.915		1079.05
	1079.574		1078.87
	1079.233		1078.69
	1078.892		1078.51
	1078.492		1078.33
	1077.878		1078.15
	1077.435		1077.97
	1077.352		1077.85
	1077.320		1077.80

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA

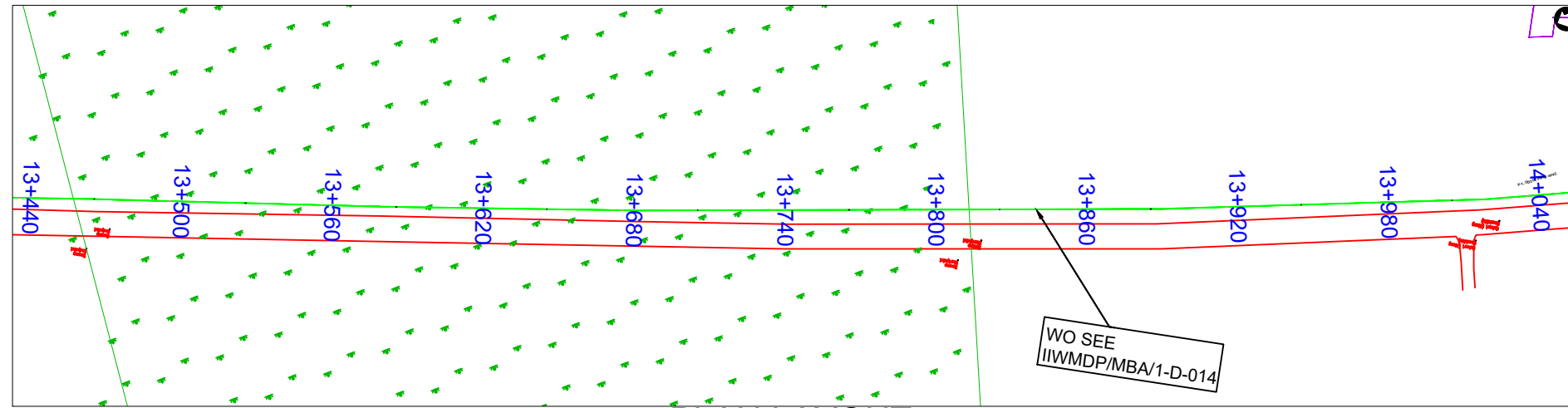
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

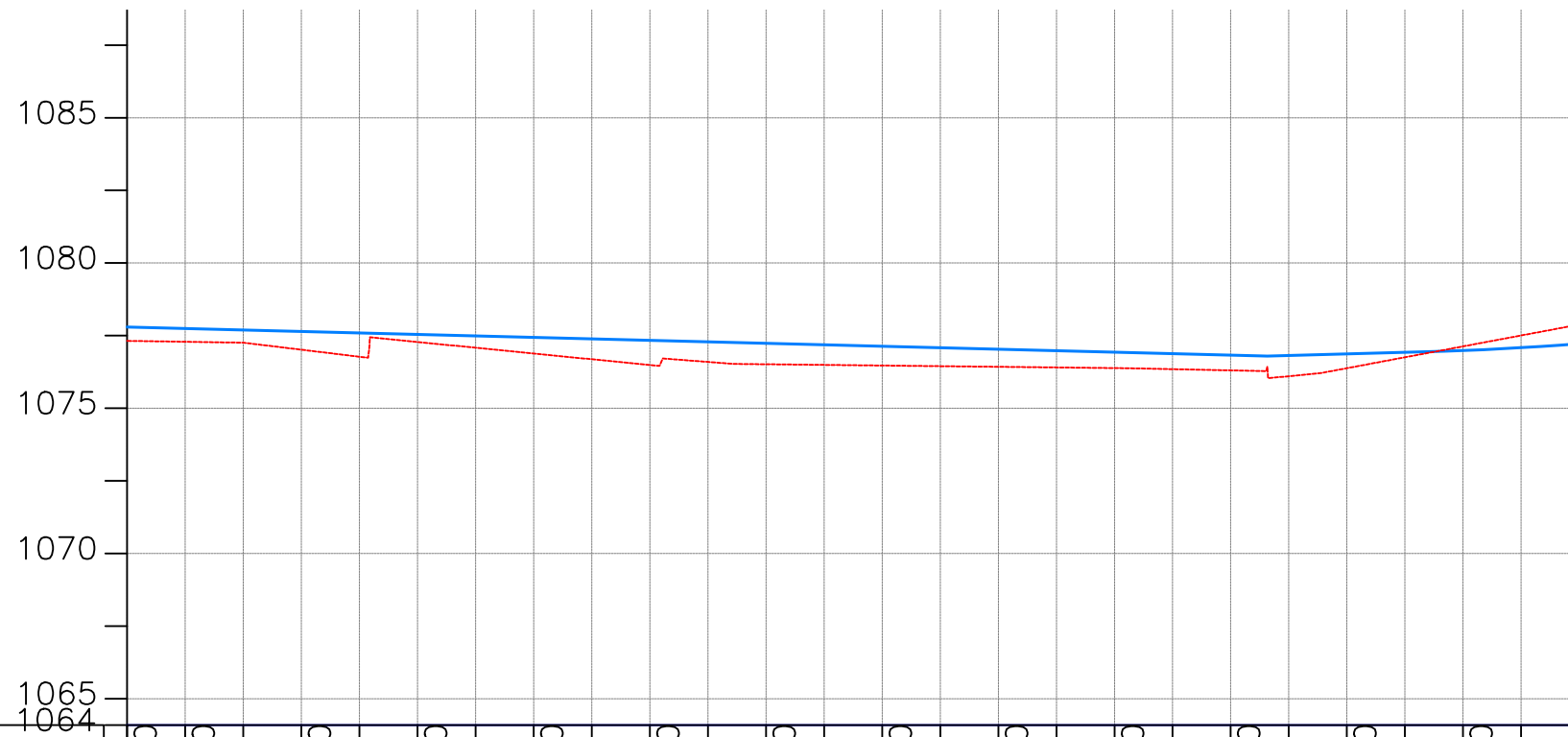
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 13+000.00 - 13+500.00)
Sheet No.: 27	Format: A3



PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
13+500	1077.320	DN 300, PN10, DI	1077.80
13+520	1077.289		1077.75
13+560	1077.258		1077.69
13+600	1077.016		1077.64
13+640	1076.773		1077.59
13+680	1077.282		1077.54
13+720	1077.083		1077.49
13+760	1076.885		1077.44
13+800	1076.687		1077.39
13+840	1076.489		1077.34
13+880	1076.595		1077.29
13+920	1076.515		1077.23
13+960	1076.493		1077.18
14+000	1076.471		1077.13
	1076.449		1077.08
	1076.427		1077.03
	1076.405		1076.98
	1076.383		1076.93
	1076.346		1076.88
	1076.305		1076.83
	1076.104	1076.81	
	1076.380	1076.87	
	1076.755	1076.92	
	1077.130	1076.99	
	1077.506	1077.09	
	1077.881	1077.22	
		OD 315, PN10, uPVC	

AMENDMENTS

No	Date	Revision

NOTES

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

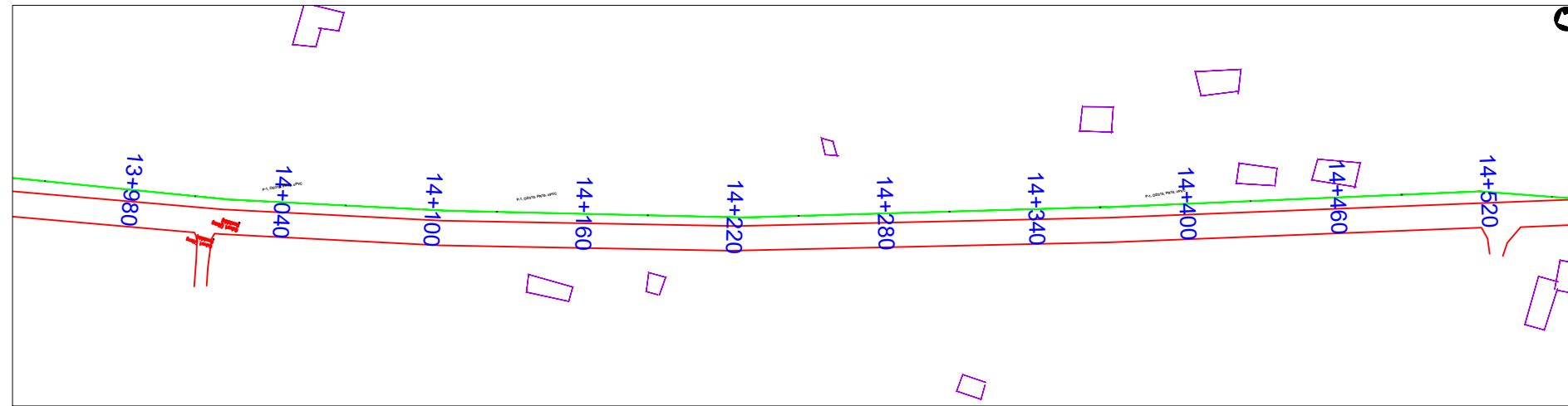
CONSULTANT:



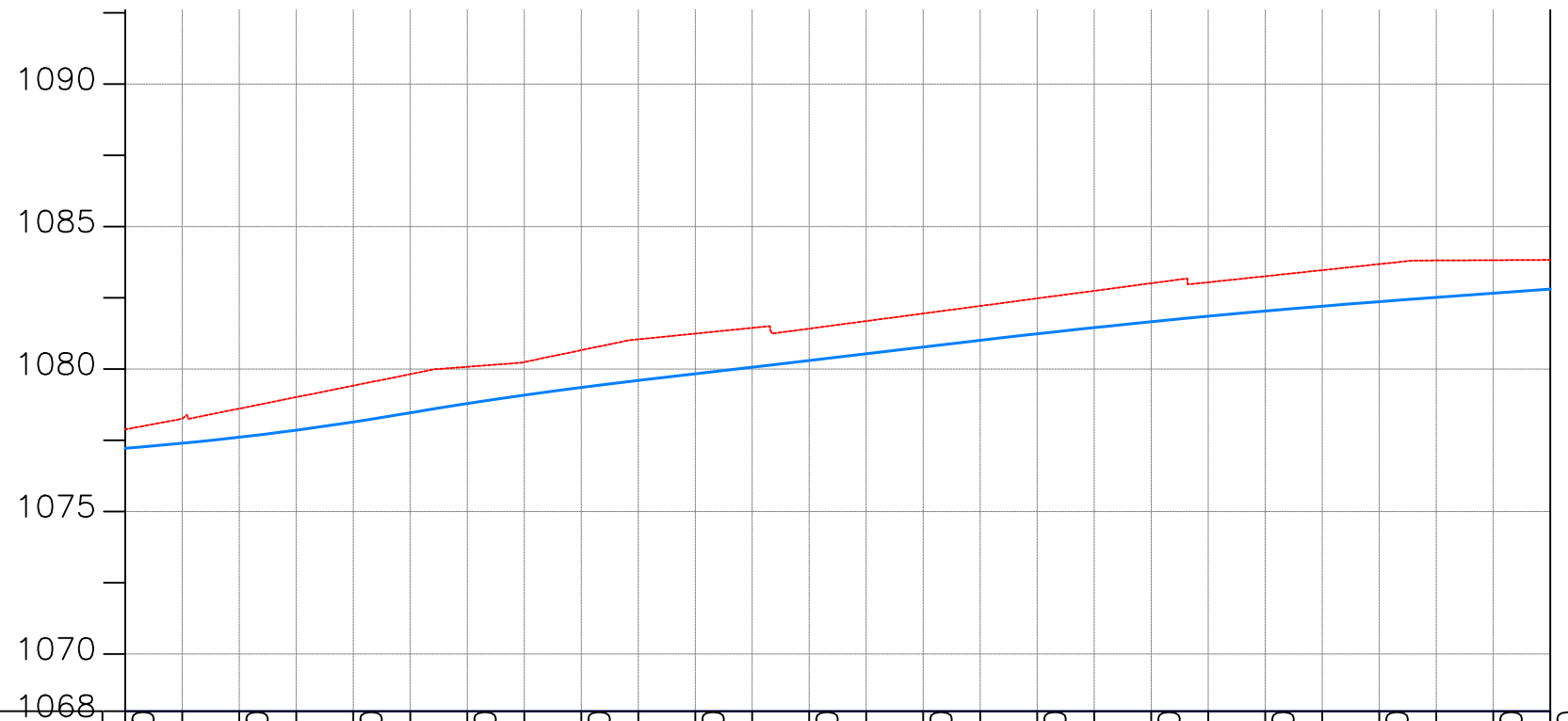
Drawing Title:

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 13+500.00 - 14+000.00)
Sheet No.: 28	Format: A3



**PLAN LAYOUT**



CHAINAGE	14+000		14+040		14+080		14+120		14+160		14+200		14+240		14+280		14+320		14+360		14+400		14+440		14+480	14+500		
GROUND LEVEL(m)	1077.881	1078.257	1078.612	1079.015	1079.418	1079.821	1080.079	1080.246	1080.663	1081.041	1081.242	1081.443	1081.419	1081.685	1081.950	1082.215	1082.481	1082.746	1083.012	1083.046	1083.258	1083.471	1083.684	1083.811	1083.821	1083.831		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1077.22	1077.40	1077.61	1077.86	1078.14	1078.47	1078.79	1079.09	1079.36	1079.60	1079.83	1080.07	1080.30	1080.54	1080.77	1081.01	1081.24	1081.46	1081.66	1081.85	1082.04	1082.21	1082.37	1082.51	1082.66	1082.81		

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

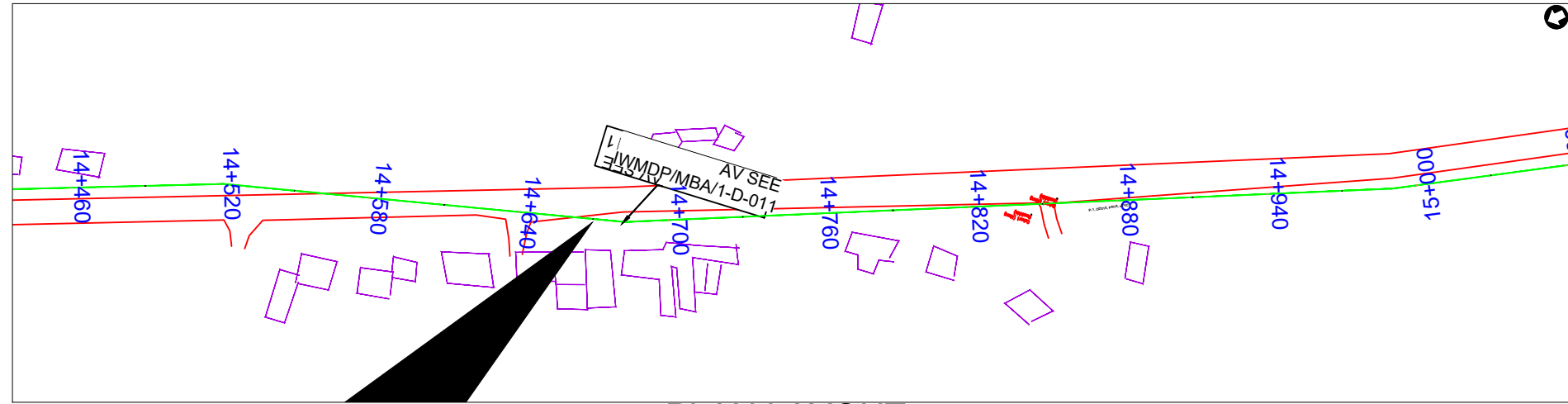


**Drawing Title:**

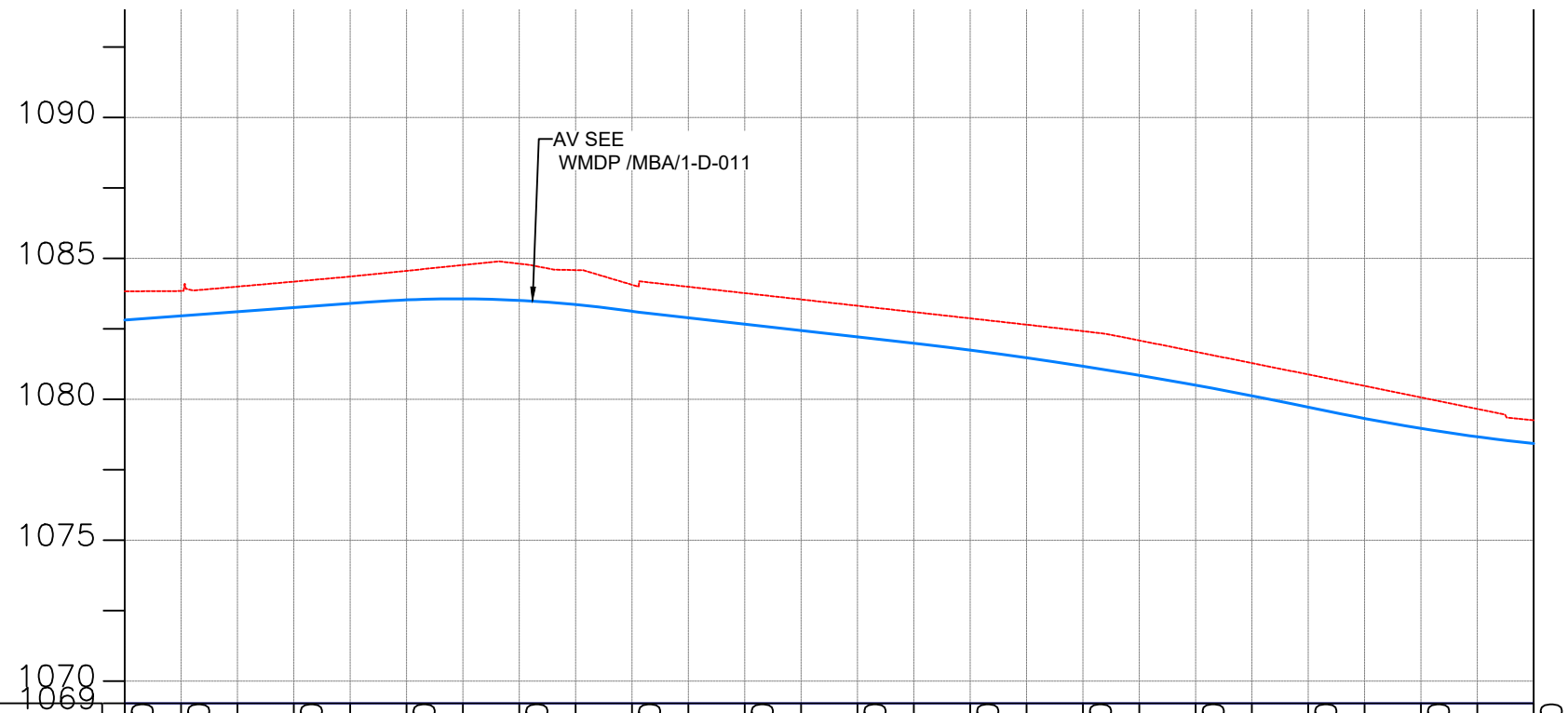
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 14+000.00 - 14+500.00)
Sheet No.: 29	Format: A3





PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
14+500	1083.831	OD 315, PN10, uPVC	1082.81
14+520	1083.841		1082.96
	1083.998		1083.11
14+560	1084.176		1083.25
	1084.356		1083.40
	1084.559		1083.53
	1084.762		1083.56
	1084.810		1083.51
	1084.584		1083.36
	1084.064		1083.12
	1083.991		1082.89
	1083.767		1082.67
	1083.543		1082.44
	1083.319		1082.21
	1083.095		1081.99
	1082.871		1081.74
	1082.647		1081.47
	1082.418		1081.17
	1082.089		1080.85
	1081.686		1080.50
	1081.283	1080.12	
	1080.880	1079.72	
	1080.472	1079.32	
	1080.064	1078.97	
	1079.655	1078.67	
15+000	1079.253		1078.43

AMENDMENTS

No	Date	Revision

NOTES

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

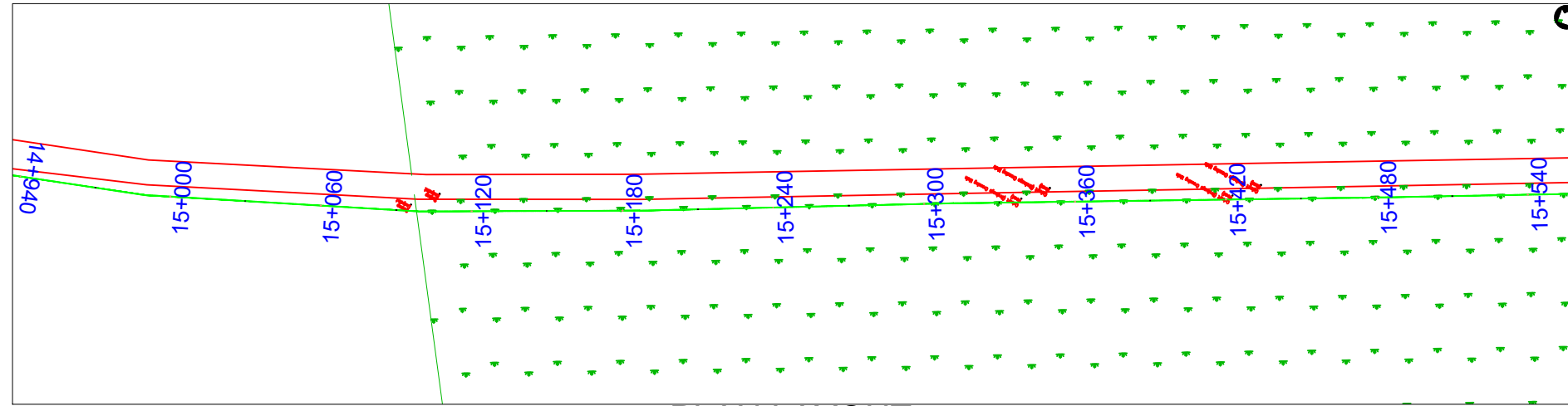
CONSULTANT:



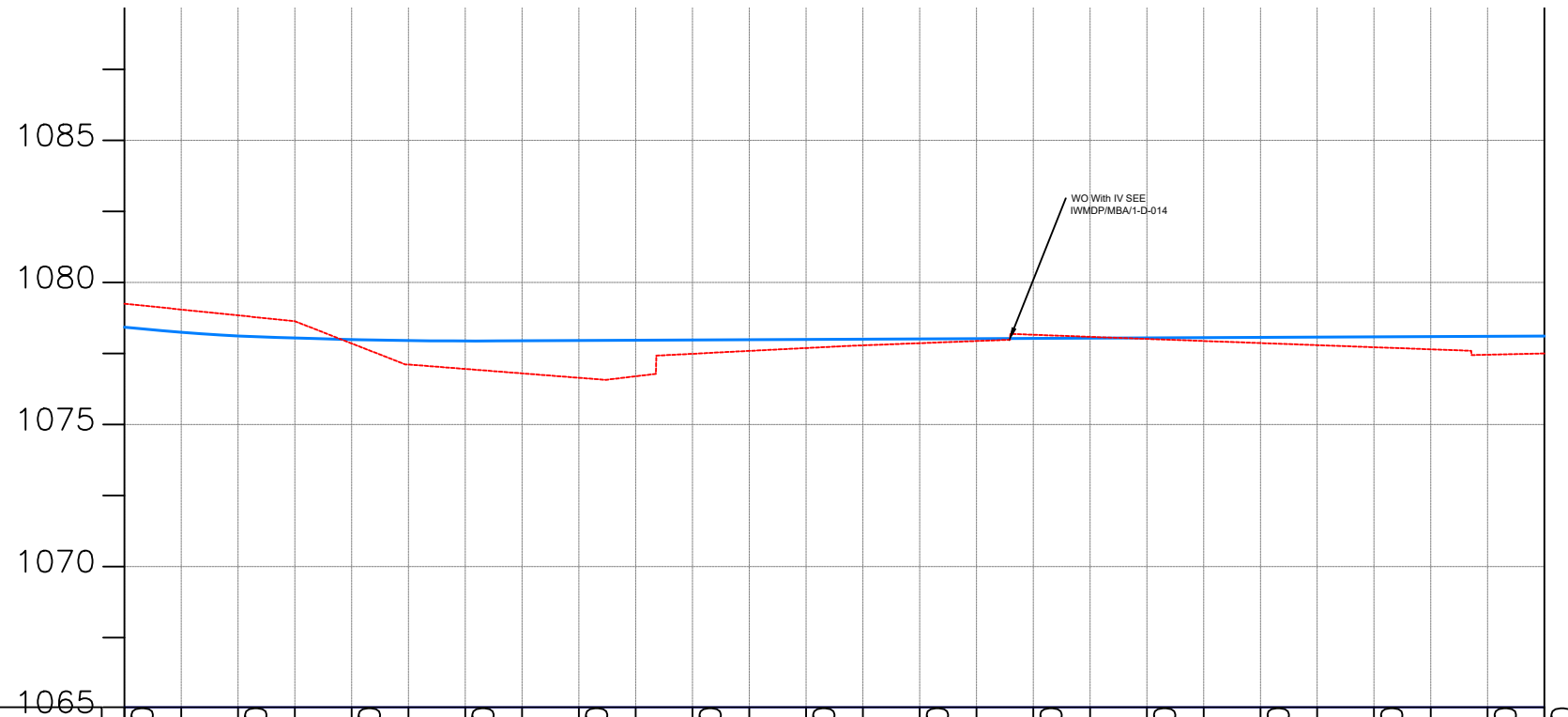
Drawing Title:

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 14+500.00 - 15+000.00)
Sheet No.: 30	Format: A3



PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)	
15+000	1079.253	ØD 315, PN10, uPVC	1078.43	
	1079.048		DN 300, PN10, DI	1078.25
15+040	1078.842			1078.12
	1078.635			1078.05
15+080	1077.853			1077.99
	1077.113			1077.96
15+120	1076.957			1077.94
	1076.801			1077.95
15+160	1076.645			1077.96
	1076.698			1077.97
15+200	1077.490			1077.97
	1077.592			1077.98
15+240	1077.693			1077.99
	1077.787			1078.00
15+280	1077.864			1078.01
	1077.940	1078.02		
15+320	1078.160	1078.03		
	1078.087	1078.04		
15+360	1078.014	1078.05		
	1077.941	1078.06		
15+400	1077.868	1078.07		
	1077.794	1078.08		
15+440	1077.721	1078.09		
	1077.648	1078.09		
15+480	1077.458	1078.10		
15+500	1077.502	1078.11		

AMENDMENTS

No	Date	Revision

NOTES

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

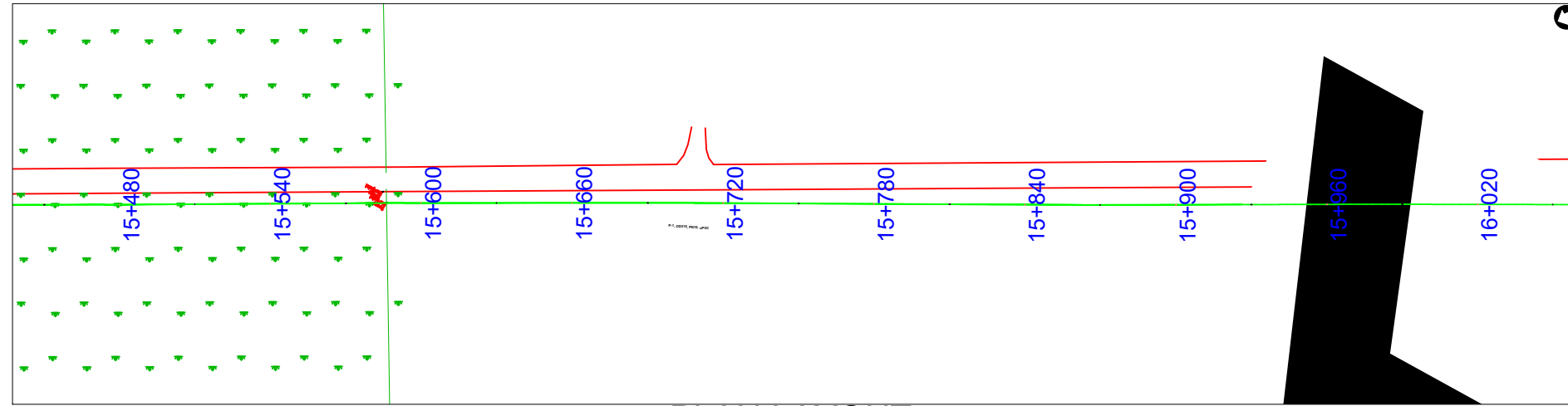
CONSULTANT:



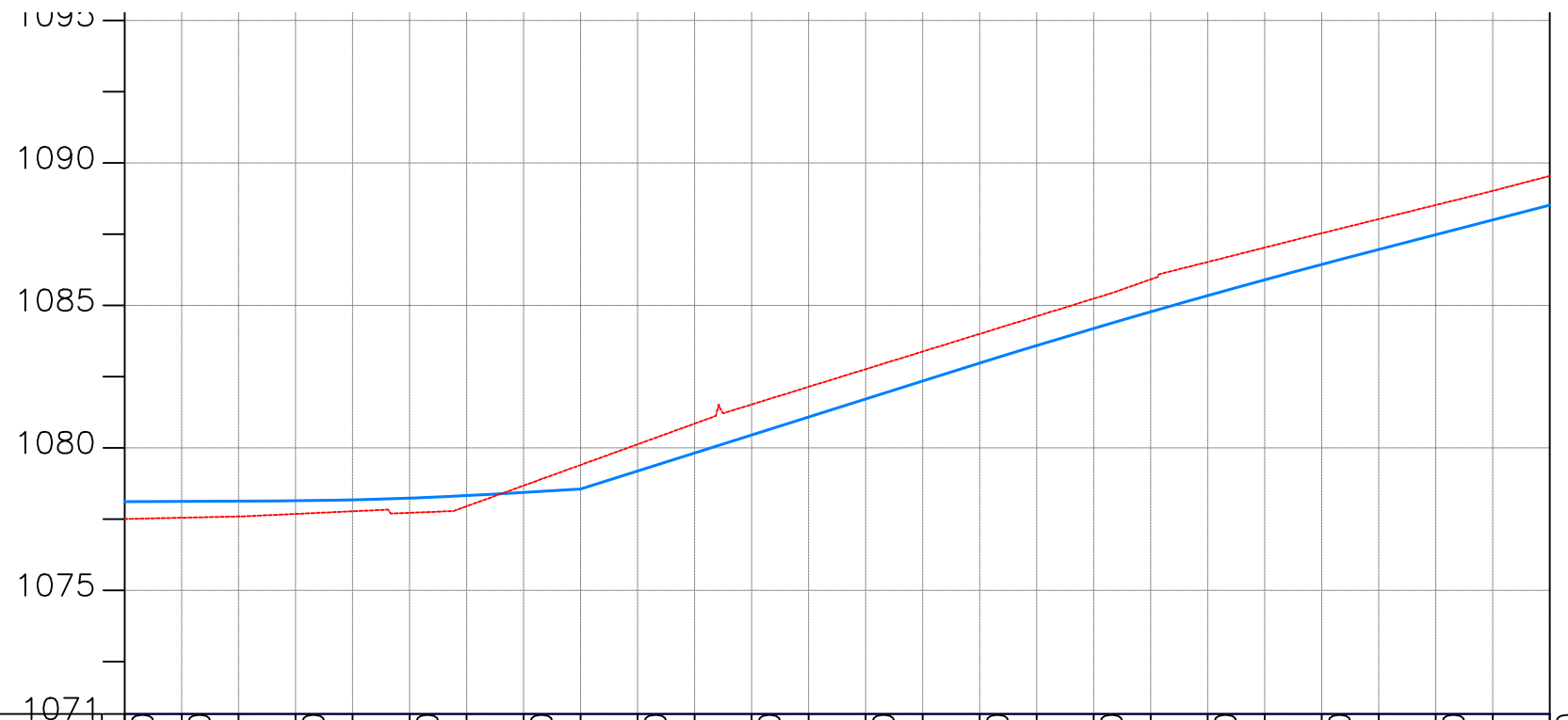
Drawing Title:

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 15+000.00 - 15+500.00)
Sheet No.: 31	Format: A3



**PLAN LAYOUT**



CHAINAGE	15+500	15+520	15+560	15+600	15+640	15+680	15+720	15+760	15+800	15+840	15+880	15+920	15+960	16+000												
GROUND LEVEL(m)	1077.502	1077.547	1077.591	1077.681	1077.773	1077.720	1077.950	1078.675	1079.400	1080.125	1080.850	1081.523	1082.142	1082.761	1083.380	1083.999	1084.618	1085.237	1085.912	1086.523	1087.028	1087.532	1088.027	1088.522	1089.019	1089.543
PIPE DETAILS	DN 300, PN10, DI								OD 315, PN10, uPVC																	
PIPE INVERT(m)	1078.11	1078.12	1078.13	1078.14	1078.17	1078.24	1078.32	1078.44	1078.56	1079.19	1079.82	1080.45	1081.08	1081.71	1082.34	1082.97	1083.59	1084.19	1084.77	1085.34	1085.90	1086.44	1086.96	1087.48	1088.00	1088.52

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

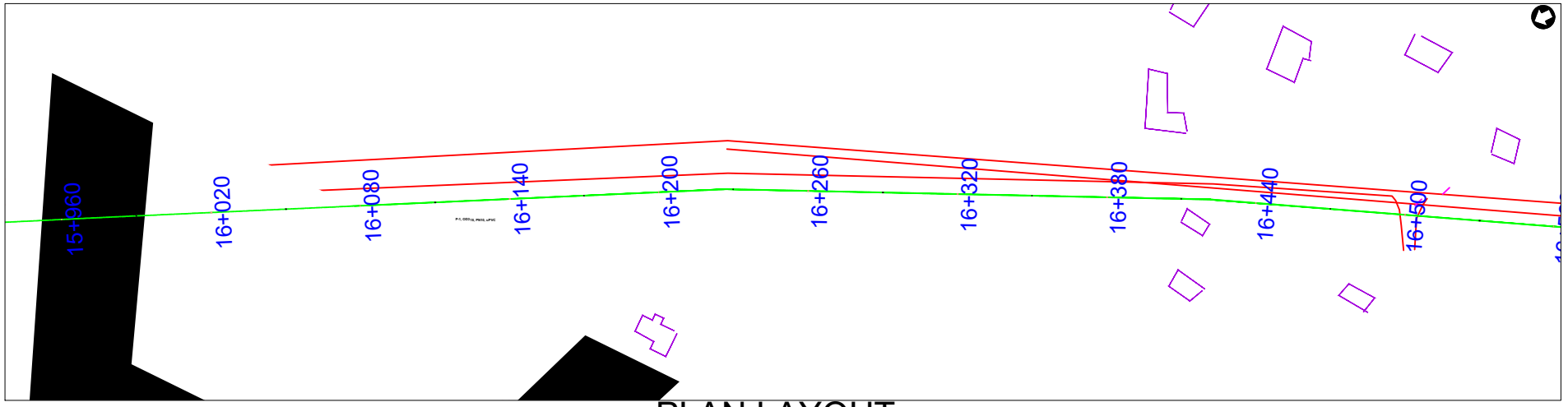
**CONSULTANT:**



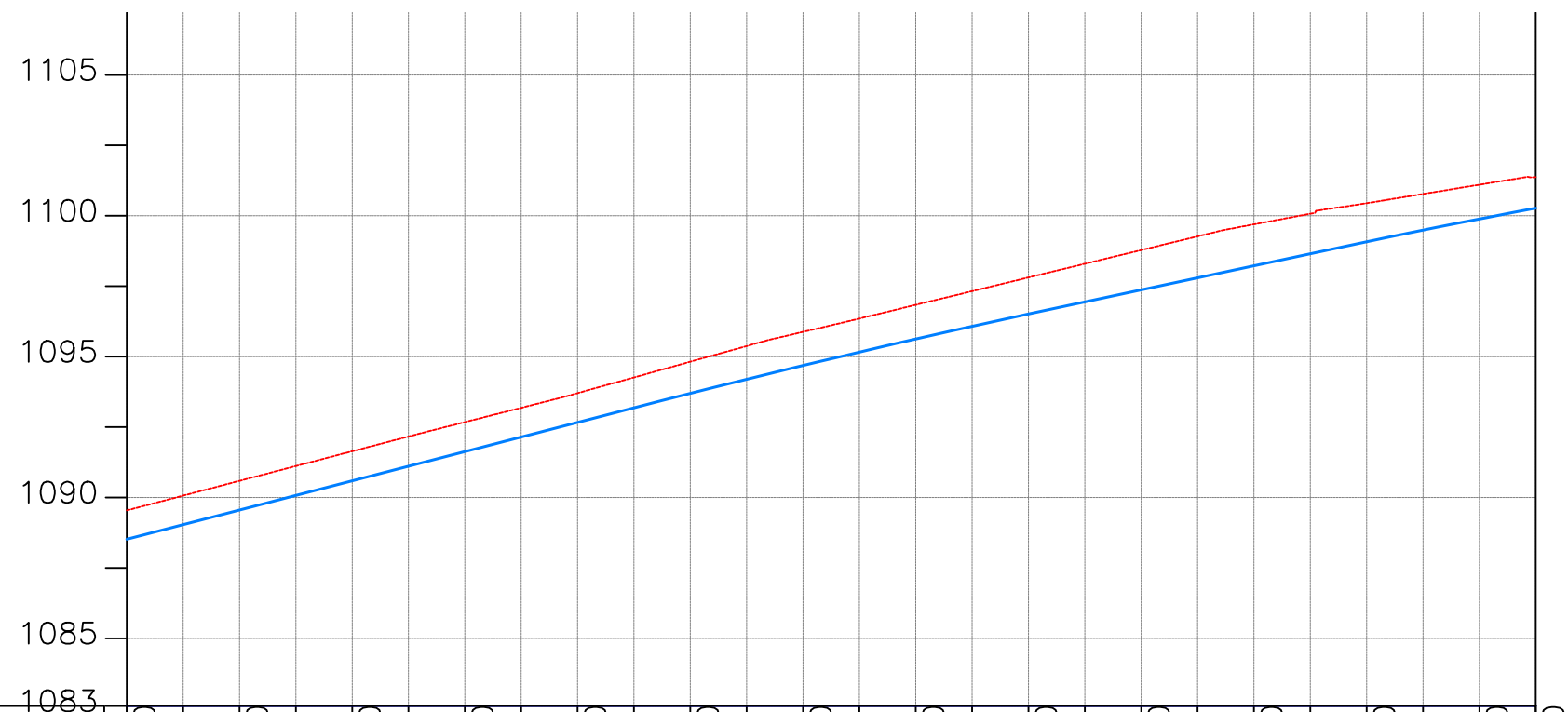
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 15+500.00 - 16+000.00)
Sheet No.: 32	Format: A3



PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
16+000	1089.543	OD 315, PN10, uPVC	1088.52
	1090.068		1089.04
16+040	1090.593		1089.55
	1091.117		1090.07
16+080	1091.642		1090.59
	1092.166		1091.11
16+120	1092.678		1091.63
	1093.185		1092.15
16+160	1093.706		1092.67
	1094.264		1093.19
16+200	1094.821		1093.70
	1095.378		1094.20
16+240	1095.880		1094.69
	1096.352		1095.16
16+280	1096.839		1095.63
	1097.325		1096.08
16+320	1097.811		1096.52
	1098.297		1096.94
16+360	1098.783		1097.37
	1099.270		1097.80
16+400	1099.696	1098.23	
	1100.073	1098.65	
16+440	1100.447	1099.08	
	1100.774	1099.49	
16+480	1101.102	1099.89	
16+500	1101.372	1100.27	

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- = Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

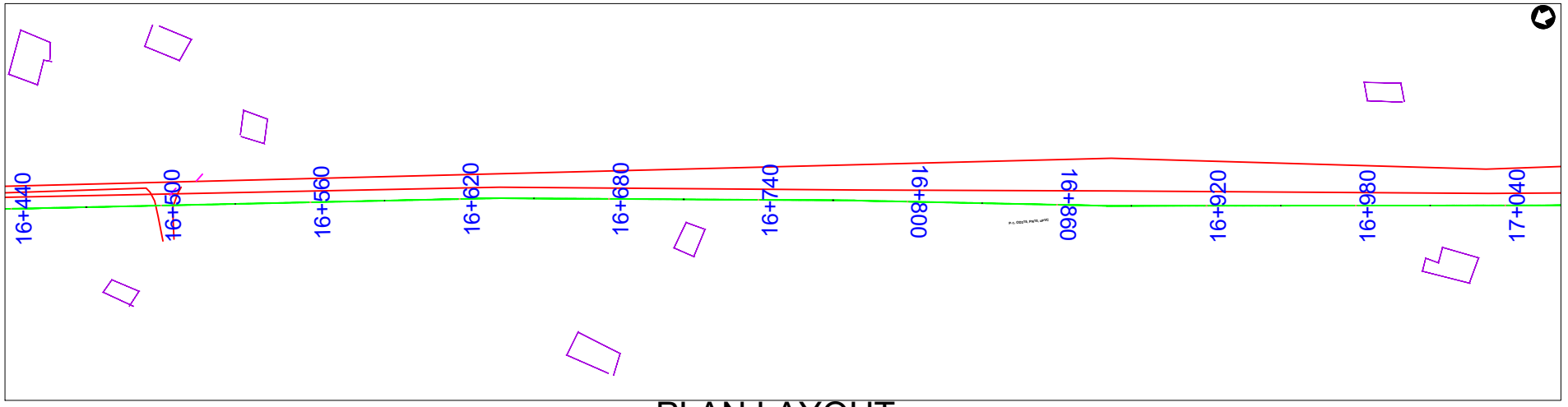
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

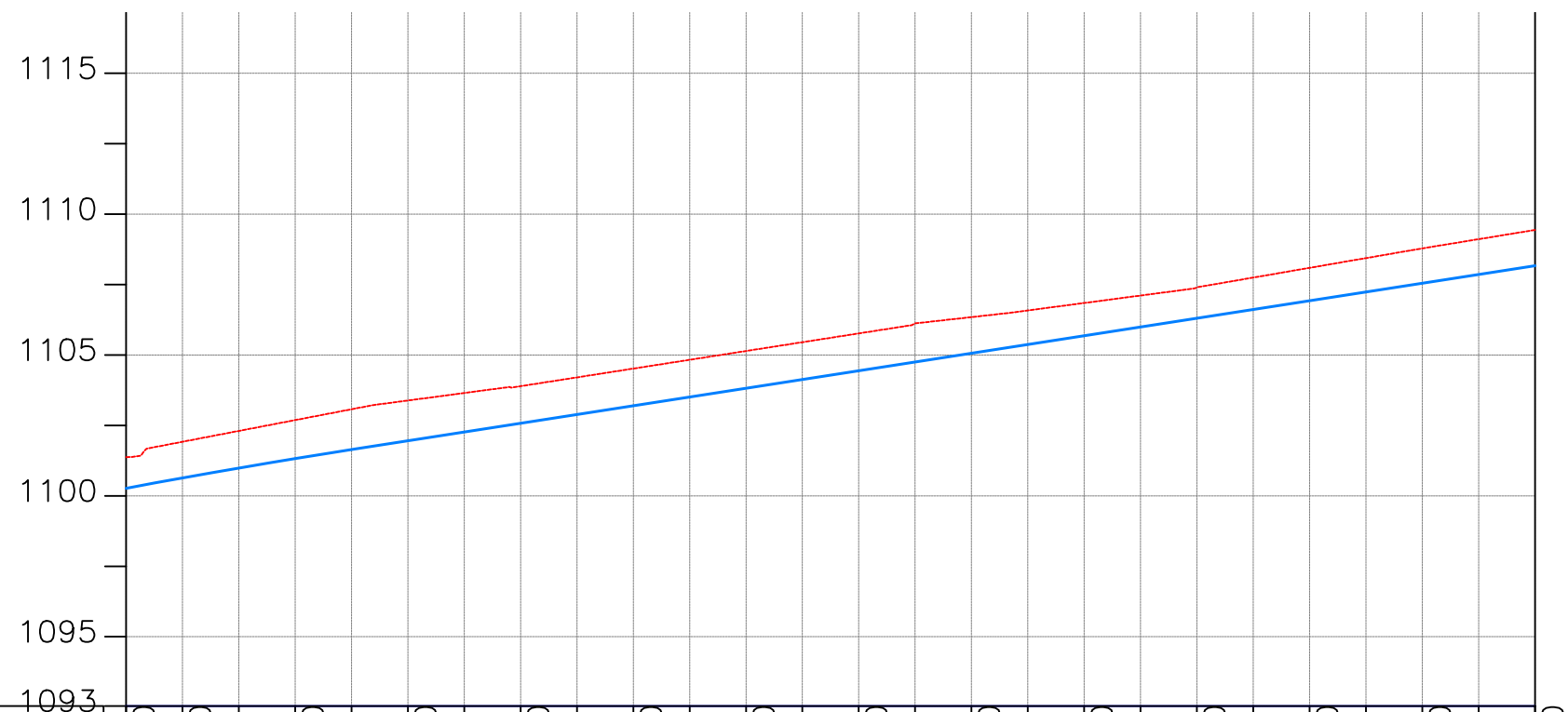
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 16+000.00 - 16+500.00)
Sheet No.: 33	Format: A3



PLAN LAYOUT



CHAINAGE	16+500	16+520		16+560		16+600		16+640		16+680		16+720		16+760		16+800		16+840		16+880		16+920		16+960		17+000		
GROUND LEVEL(m)	1101.372	1101.919	1102.304	1102.689	1103.074	1103.384	1103.650	1103.892	1104.204	1104.516	1104.828	1105.141	1105.453	1105.765	1106.120	1106.343	1106.580	1106.844	1107.109	1107.392	1107.747	1108.092	1108.438	1108.783	1109.110	1109.437		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1100.27	1100.64	1100.99	1101.32	1101.64	1101.95	1102.26	1102.57	1102.88	1103.19	1103.51	1103.82	1104.13	1104.44	1104.75	1105.06	1105.37	1105.68	1105.99	1106.30	1106.61	1106.92	1107.24	1107.55	1107.86	1108.17		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

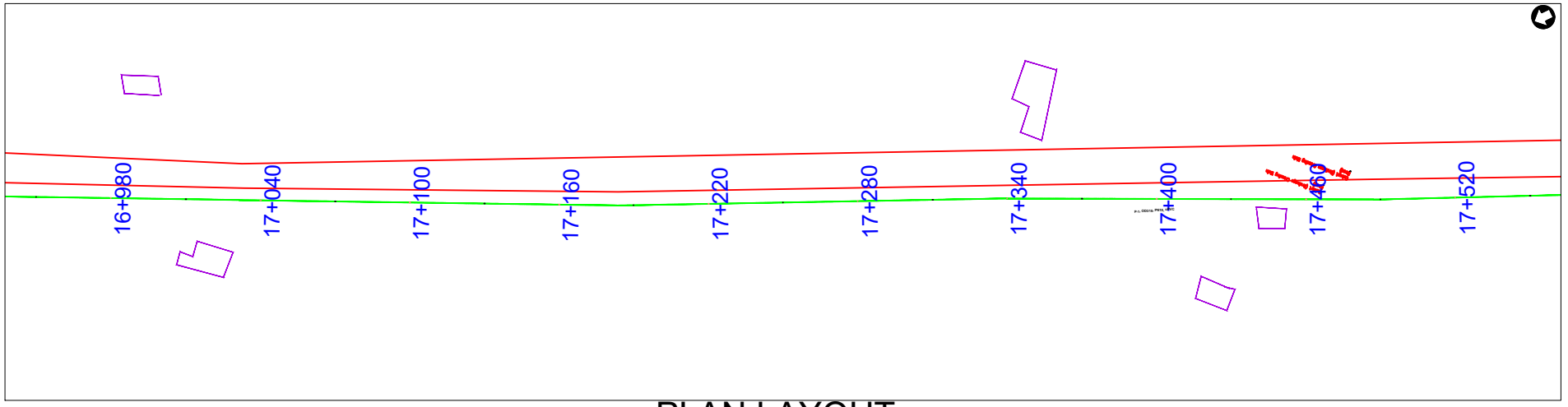
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

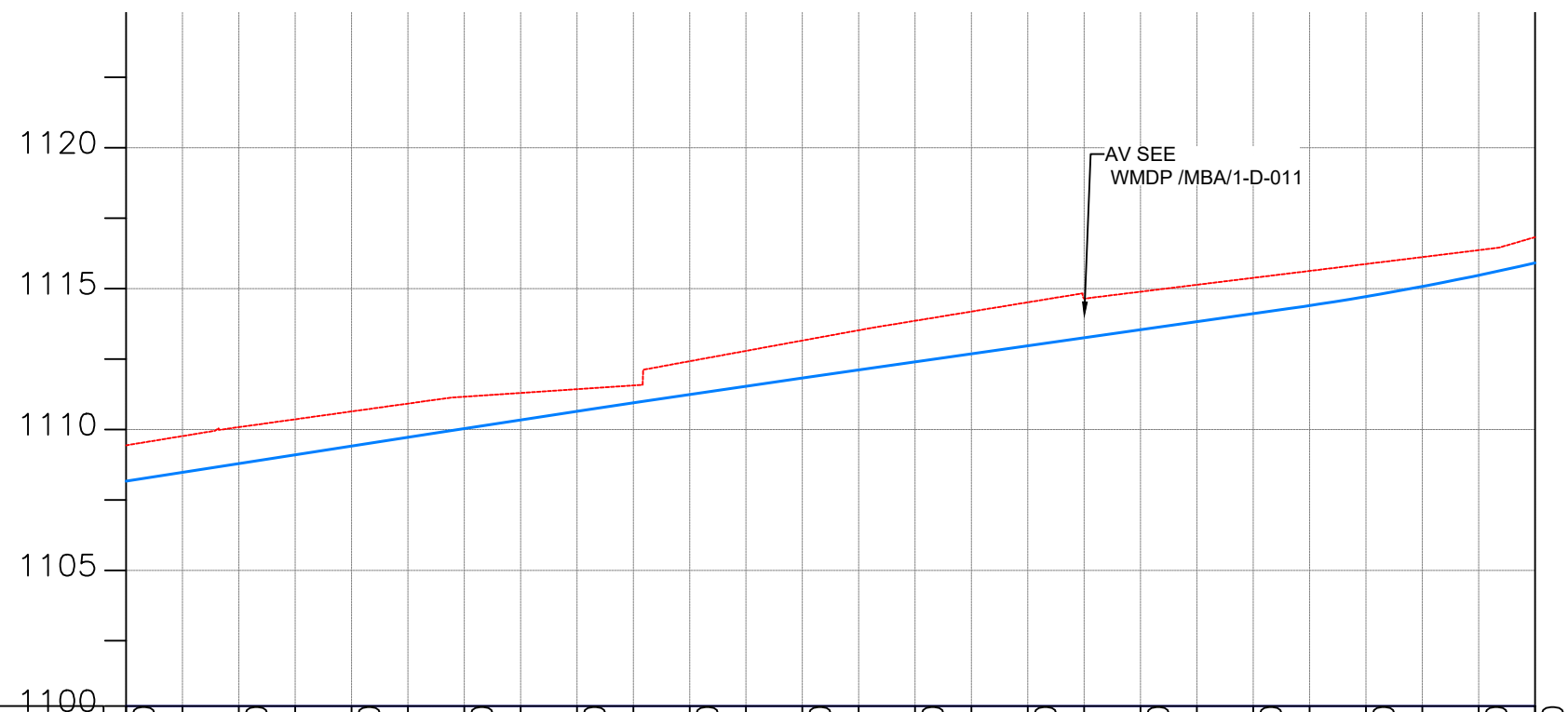
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 16+500.00 - 17+000.00)
Sheet No.: 34	Format: A3



**PLAN LAYOUT**



CHAINAGE	17+000		17+040		17+080		17+120		17+160		17+200		17+240		17+280		17+320		17+360		17+400		17+440		17+480	17+500		
GROUND LEVEL(m)	1109.437	1109.765	1110.082	1110.360	1110.639	1110.918	1111.160	1111.294	1111.429	1111.564	1112.422	1112.788	1113.155	1113.522	1113.857	1114.185	1114.513	1114.643	1114.889	1115.135	1115.381	1115.626	1115.872	1116.118	1116.364	1116.826		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1108.17	1108.48	1108.79	1109.10	1109.41	1109.72	1110.03	1110.34	1110.64	1110.94	1111.24	1111.53	1111.82	1112.11	1112.40	1112.68	1112.97	1113.25	1113.54	1113.82	1114.11	1114.40	1114.72	1115.08	1115.47	1115.91		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

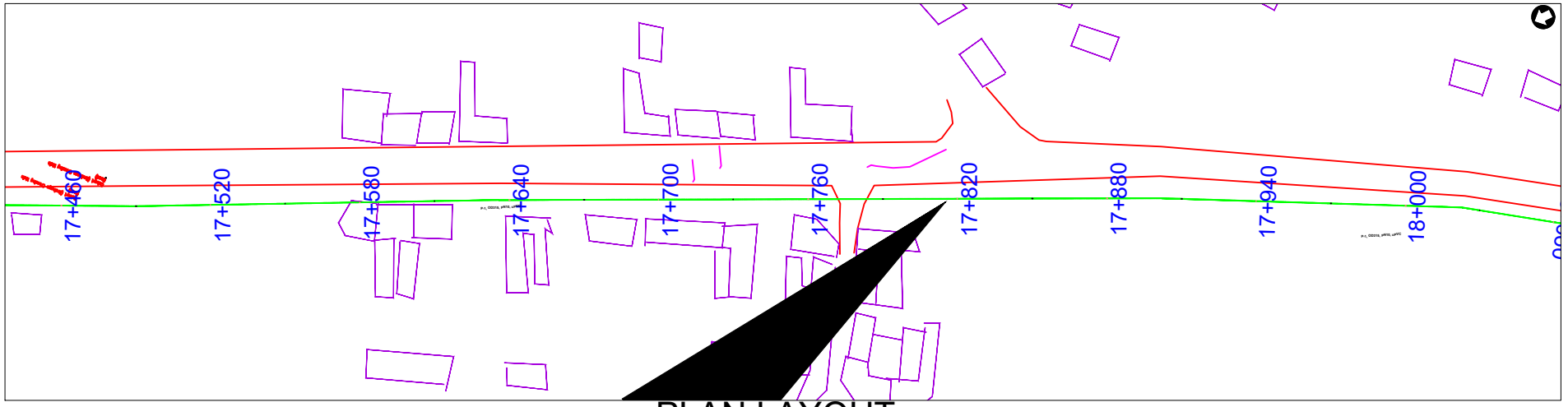
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

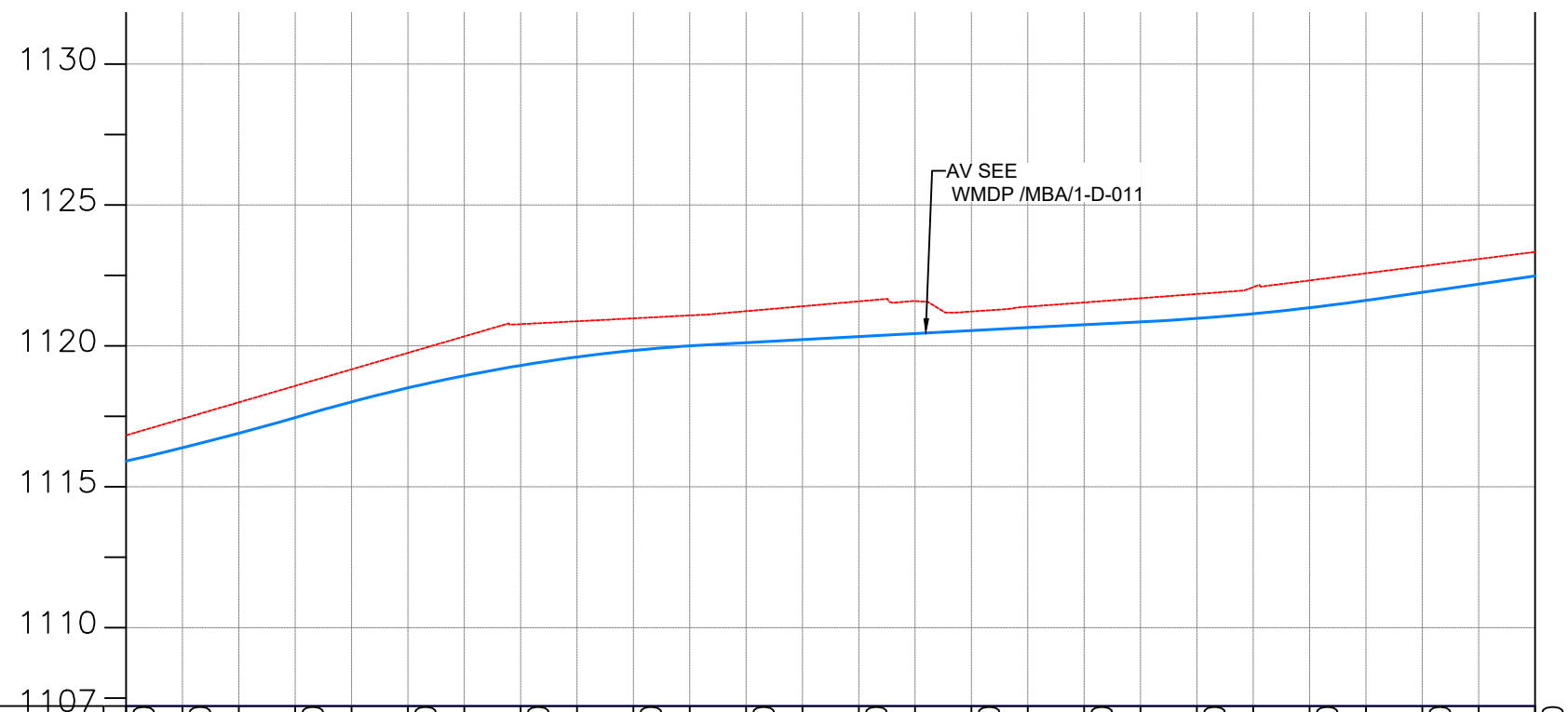
**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 17+000.00 - 17+500.00)
Sheet No.: 35	Format: A3





**PLAN LAYOUT**



CHAINAGE	17+500	17+520	17+560	17+600	17+640	17+680	17+720	17+760	17+800	17+840	17+880	17+920	17+960	18+000														
GROUND LEVEL(m)	1116.826	1117.411	1117.996	1118.581	1119.166	1119.751	1120.336	1120.770	1120.873	1120.977	1121.080	1121.231	1121.406	1121.580	1121.586	1121.219	1121.391	1121.541	1121.691	1121.840	1122.083	1122.322	1122.576	1122.829	1123.082	1123.334		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1115.91	1116.38	1116.90	1117.45	1118.01	1118.51	1118.94	1119.30	1119.60	1119.83	1120.00	1120.11	1120.22	1120.33	1120.44	1120.54	1120.65	1120.75	1120.85	1120.97	1121.14	1121.35	1121.61	1121.90	1122.19	1122.48		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

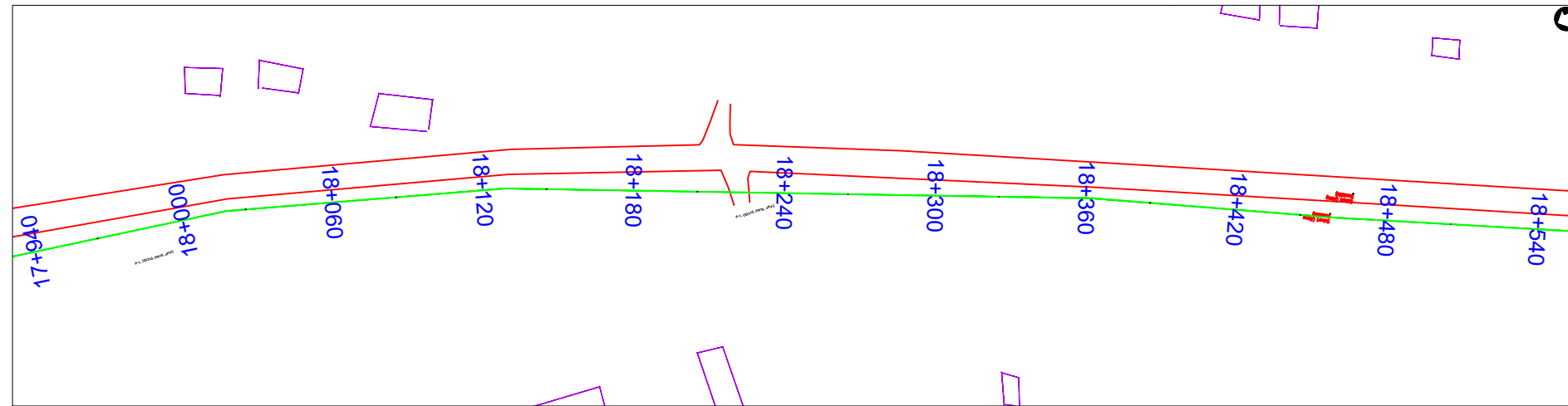
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

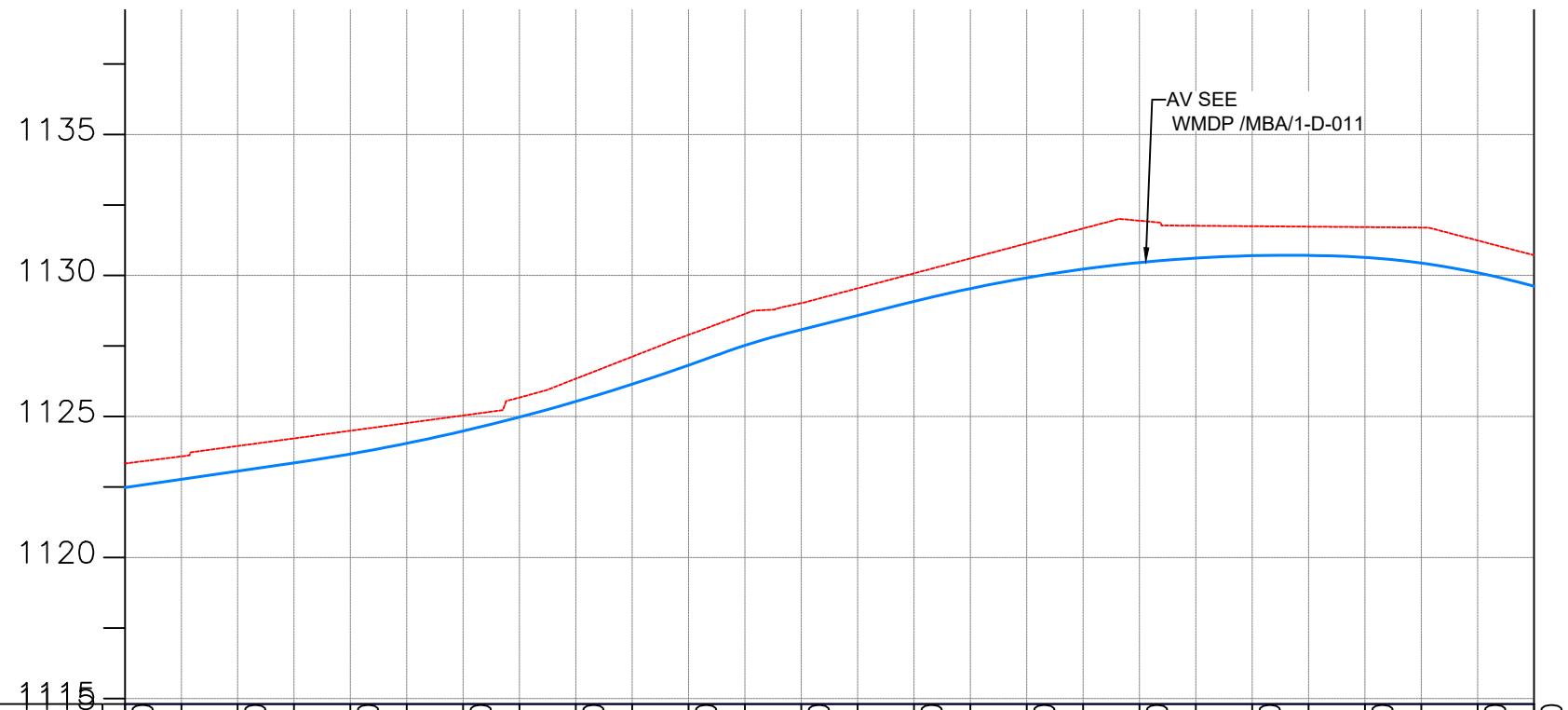
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 17+500.00 - 18+000.00)
Sheet No.: 36	Format: A3



**PLAN LAYOUT**



CHAINAGE	18+000		18+040		18+080		18+120		18+160		18+200		18+240		18+280		18+320		18+360		18+400		18+440		18+480	18+500		
GROUND LEVEL(m)	1123.334	1123.586	1123.955	1124.226	1124.496	1124.766	1125.037	1125.674	1126.341	1127.121	1127.895	1128.637	1129.022	1129.545	1130.076	1130.606	1131.136	1131.666	1131.942	1131.763	1131.747	1131.731	1131.715	1131.699	1131.242	1130.718		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1122.48	1122.77	1123.06	1123.35	1123.67	1124.05	1124.49	1124.98	1125.53	1126.15	1126.82	1127.52	1128.08	1128.58	1129.08	1129.54	1129.92	1130.22	1130.46	1130.62	1130.70	1130.71	1130.64	1130.44	1130.10	1129.62		

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

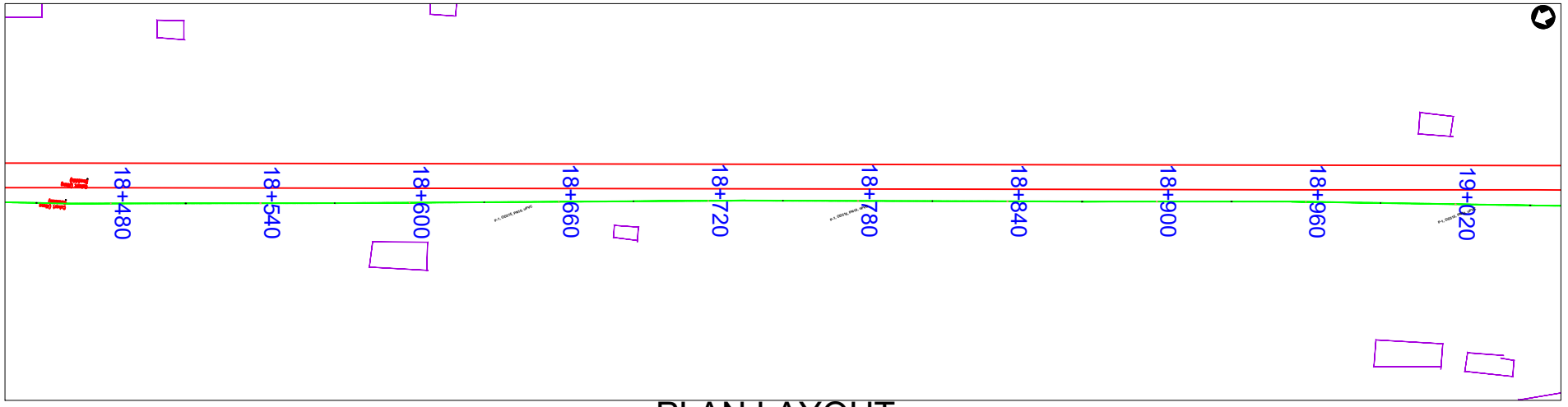
**CONSULTANT:**



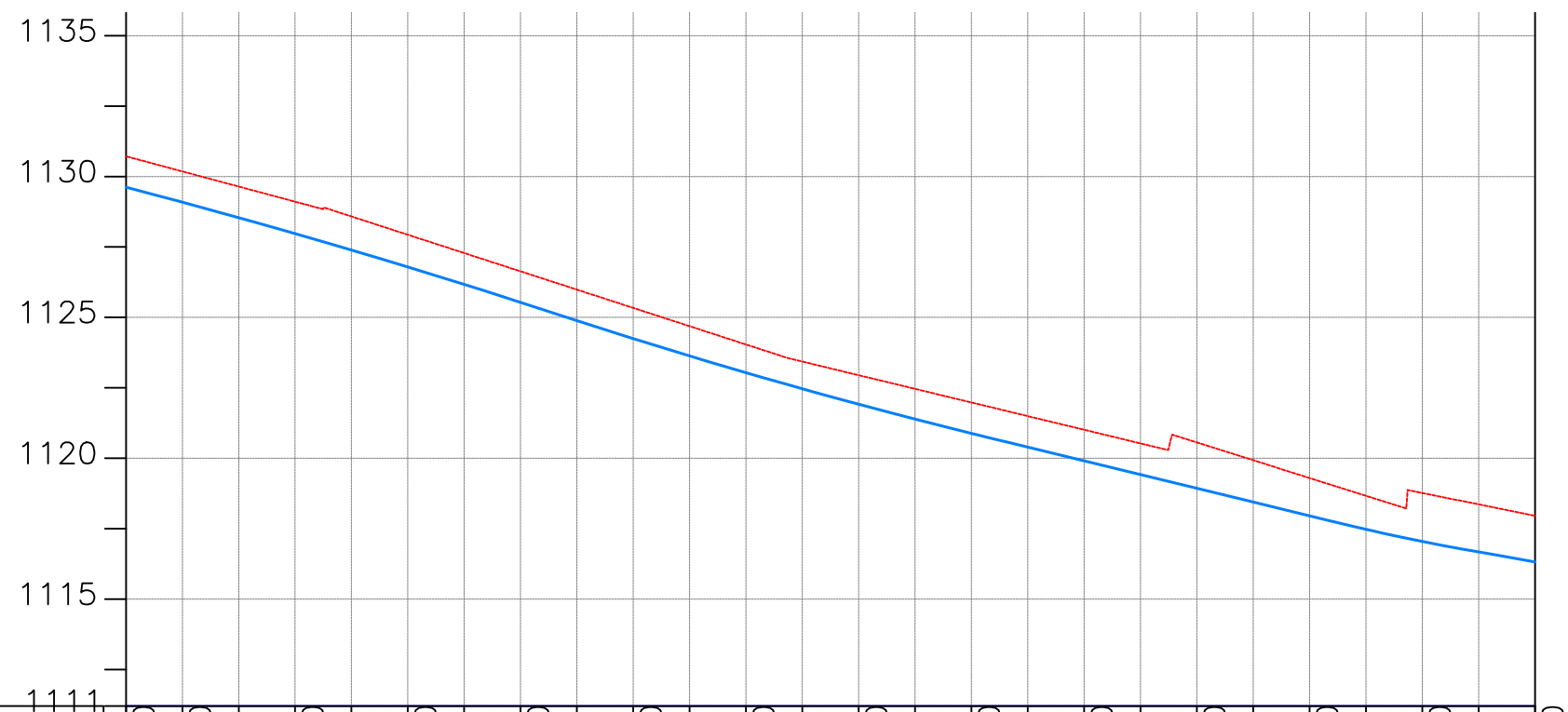
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 18+000.00 - 18+500.00)
Sheet No.: 37	Format: A3



PLAN LAYOUT



CHAINAGE	18+500	18+520		18+560		18+600		18+640		18+680		18+720		18+760		18+800		18+840		18+880		18+920		18+960		19+000		
GROUND LEVEL(m)	1130.718	1130.181	1129.644	1129.107	1128.583	1127.934	1127.285	1126.636	1125.986	1125.337	1124.688	1124.039	1123.433	1122.949	1122.465	1121.981	1121.497	1121.013	1120.529	1120.563	1119.932	1119.300	1118.669	1118.770	1118.364	1117.957		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1129.62	1129.09	1128.54	1127.97	1127.39	1126.79	1126.17	1125.53	1124.89	1124.25	1123.63	1123.04	1122.47	1121.92	1121.39	1120.88	1120.40	1119.91	1119.43	1118.94	1118.45	1117.96	1117.48	1117.05	1116.68	1116.32		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

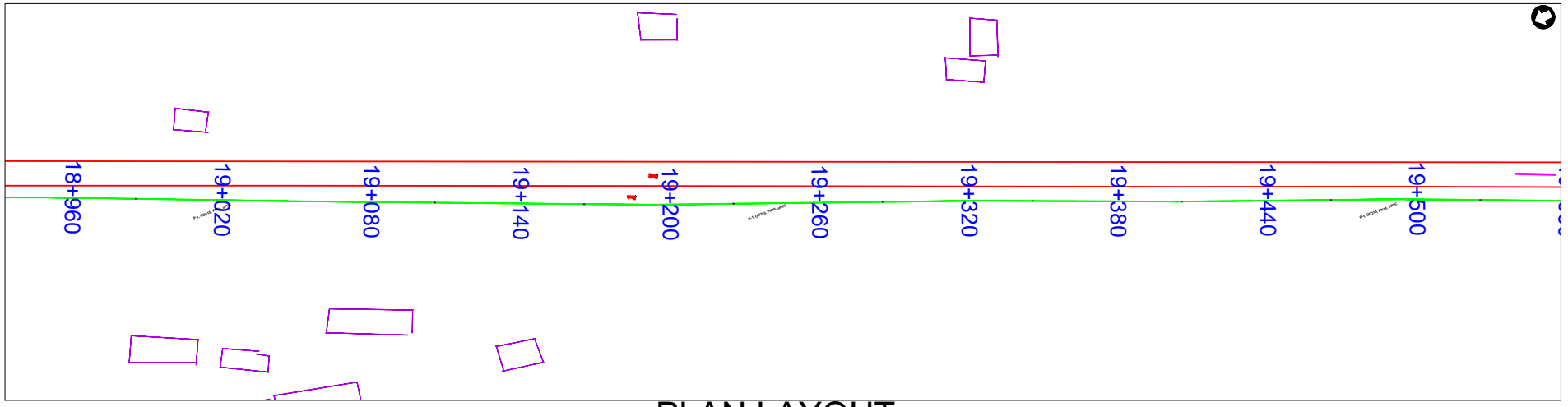
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

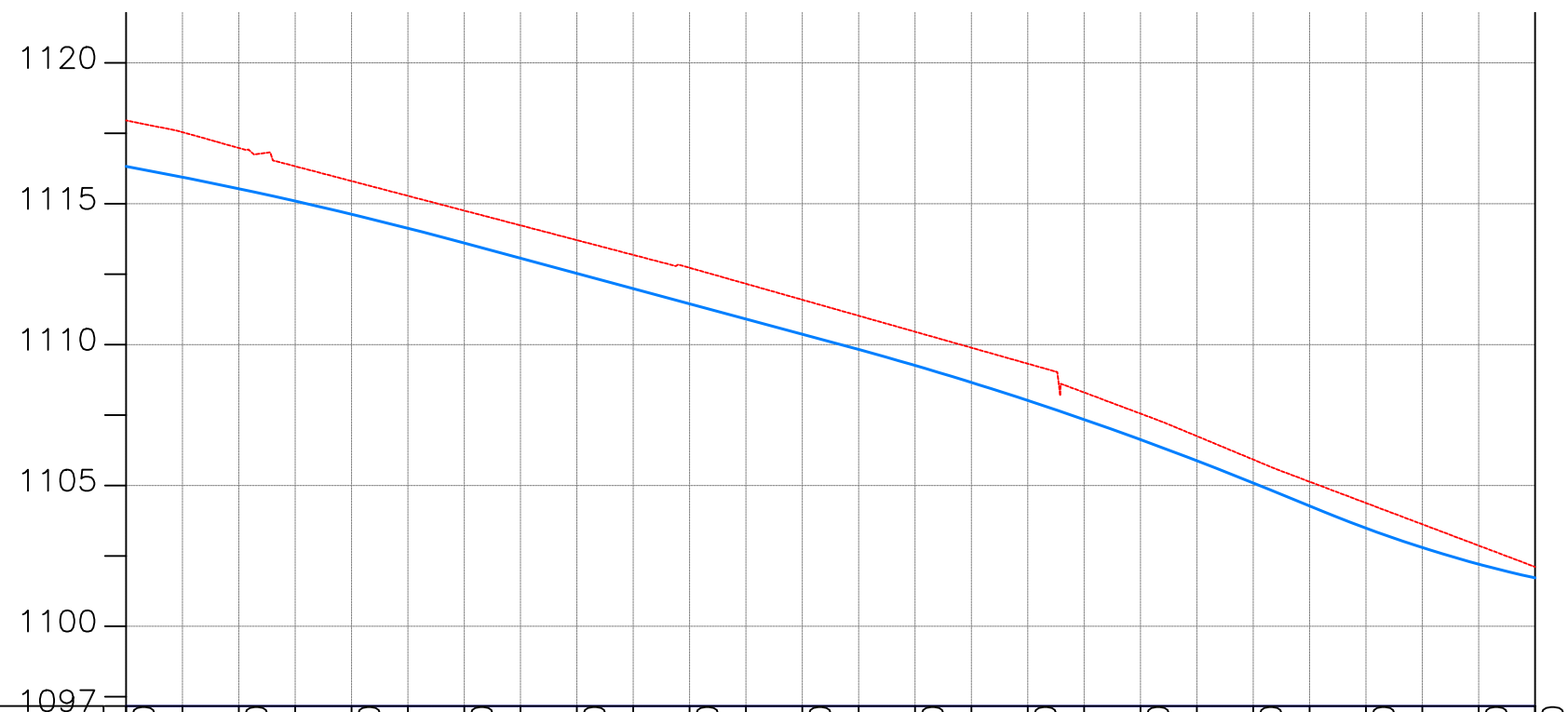
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 18+500.00 - 19+000.00)
Sheet No.: 38	Format: A3



**PLAN LAYOUT**



CHAINAGE	19+000		19+040		19+080		19+120		19+160		19+200		19+240		19+280		19+320		19+360		19+400		19+440		19+480	19+500
GROUND LEVEL(m)	1117.957	1117.539	1116.978	1116.328	1115.804	1115.280	1114.755	1114.231	1113.706	1113.182	1112.724	1112.157	1111.590	1111.023	1110.456	1109.888	1109.321	1108.300	1107.549	1106.751	1105.919	1105.133	1104.377	1103.622	1102.866	1102.111
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1116.32	1115.94	1115.53	1115.09	1114.62	1114.13	1113.60	1113.06	1112.52	1111.98	1111.44	1110.91	1110.37	1109.82	1109.26	1108.66	1108.02	1107.34	1106.63	1105.87	1105.09	1104.27	1103.49	1102.80	1102.21	1101.72

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

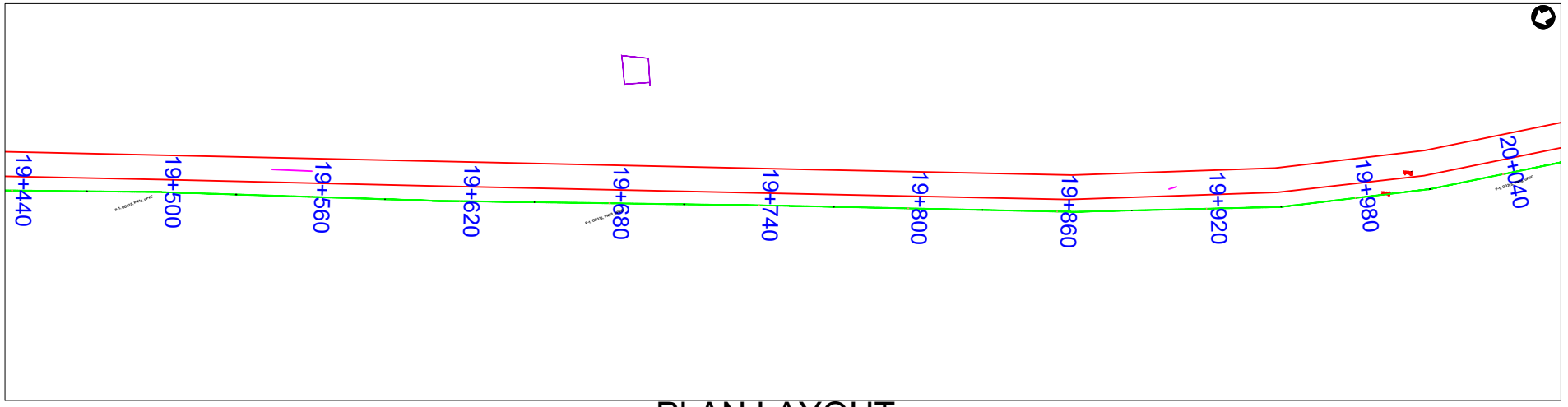
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

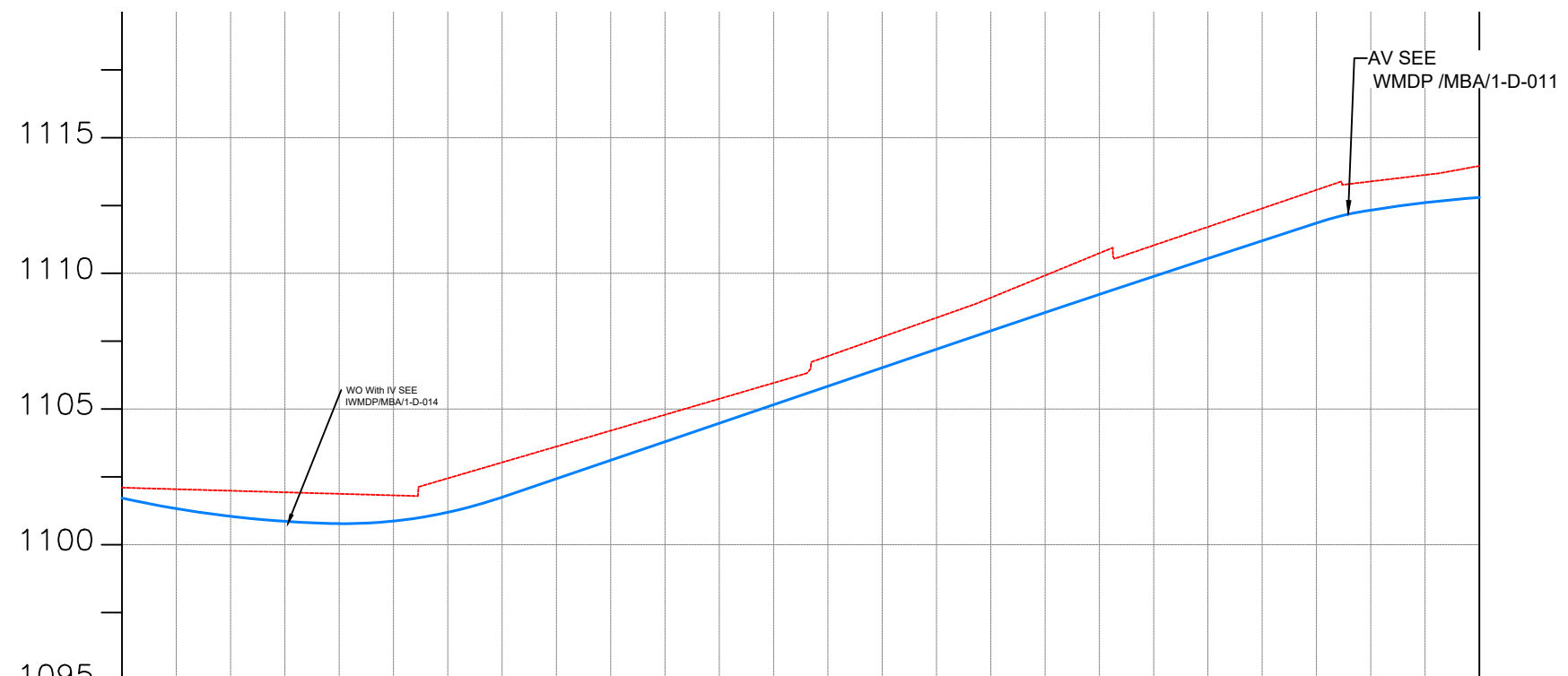
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 19+000.00 - 19+500.00)
Sheet No.: 39	Format: A3



**PLAN LAYOUT**



CHAINAGE	19+500	19+520	19+560	19+600	19+640	19+680	19+720	19+760	19+800	19+840	19+880	19+920	19+960	20+000												
GROUND LEVEL(m)	1102.111	1102.048	1101.991	1101.934	1101.877	1101.821	1102.448	1103.034	1103.620	1104.205	1104.791	1105.377	1105.963	1106.950	1107.658	1108.366	1109.102	1109.922	1110.742	1111.031	1111.712	1112.393	1113.074	1113.387	1113.625	1113.958
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1101.72	1101.33	1101.05	1100.86	1100.78	1100.87	1101.20	1101.75	1102.43	1103.12	1103.80	1104.48	1105.16	1105.84	1106.52	1107.20	1107.88	1108.55	1109.22	1109.89	1110.55	1111.20	1111.85	1112.33	1112.60	1112.80

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

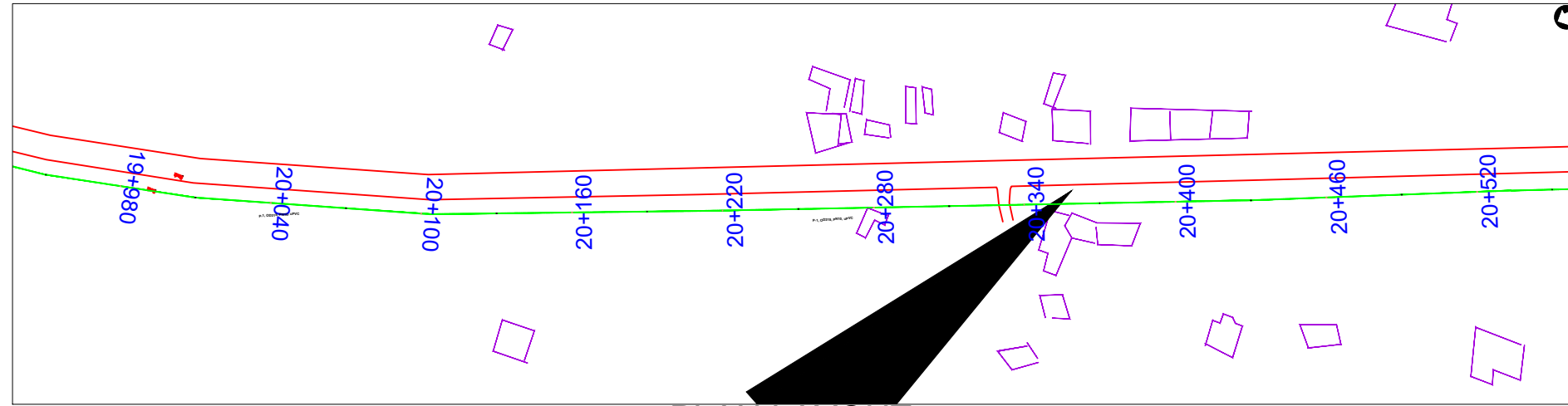
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

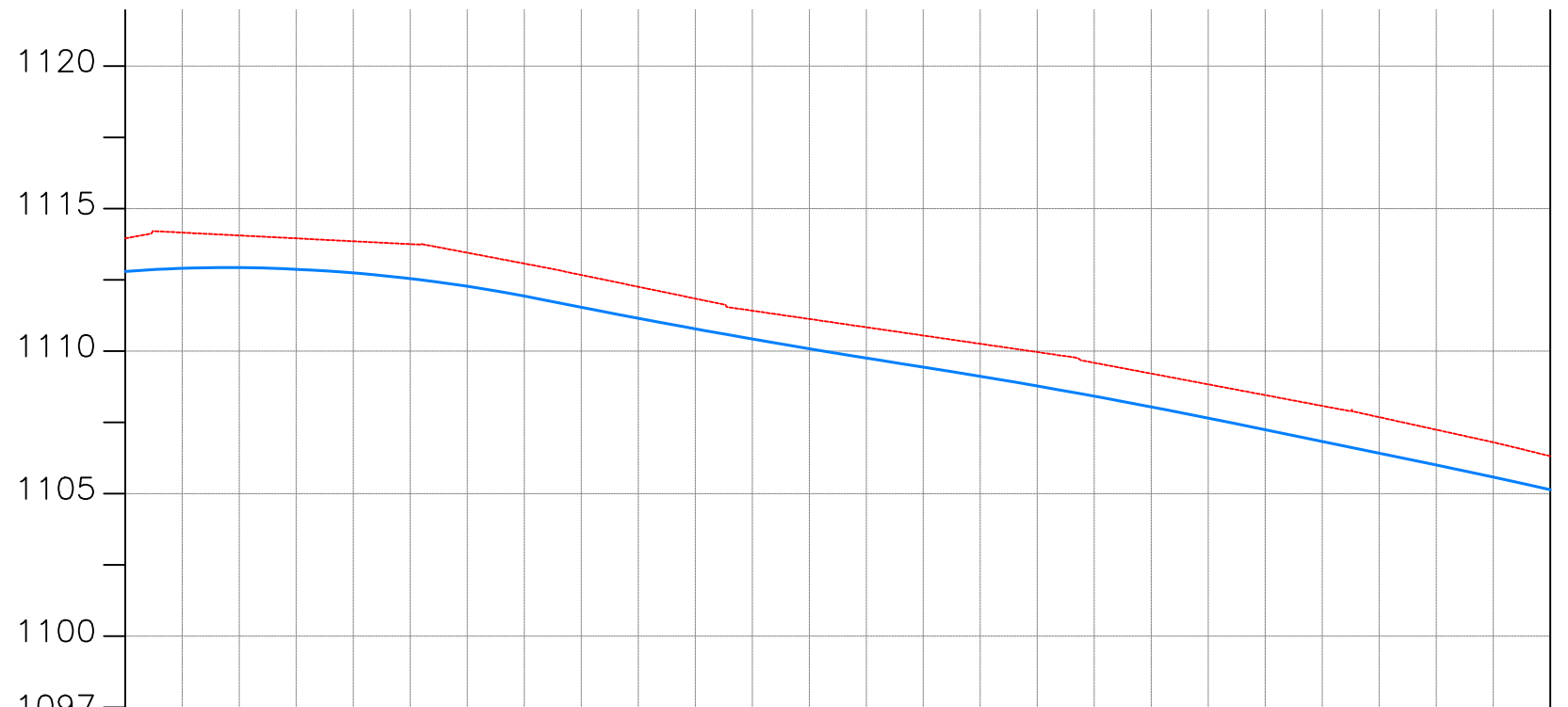
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 19+500.00 - 20+000.00)
Sheet No.: 40	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
20+000	1113.958	OD 315, PN10, uPVC	1112.80
	1114.160		1112.91
20+040	1114.059		1112.93
	1113.957		1112.87
20+080	1113.856		1112.74
	1113.754		1112.55
20+120	1113.454		1112.28
	1113.074		1111.93
20+160	1112.674		1111.54
	1112.259		1111.15
20+200	1111.845		1110.78
	1111.419		1110.43
20+240	1111.129		1110.08
	1110.839		1109.76
20+280	1110.548		1109.44
	1110.258		1109.12
20+320	1109.968		1108.78
	1109.591		1108.42
20+360	1109.213		1108.04
	1108.835		1107.65
20+400	1108.457	1107.24	
	1108.079	1106.83	
20+440	1107.683	1106.42	
	1107.243	1106.01	
20+480	1106.803	1105.58	
20+500	1106.317	1105.14	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

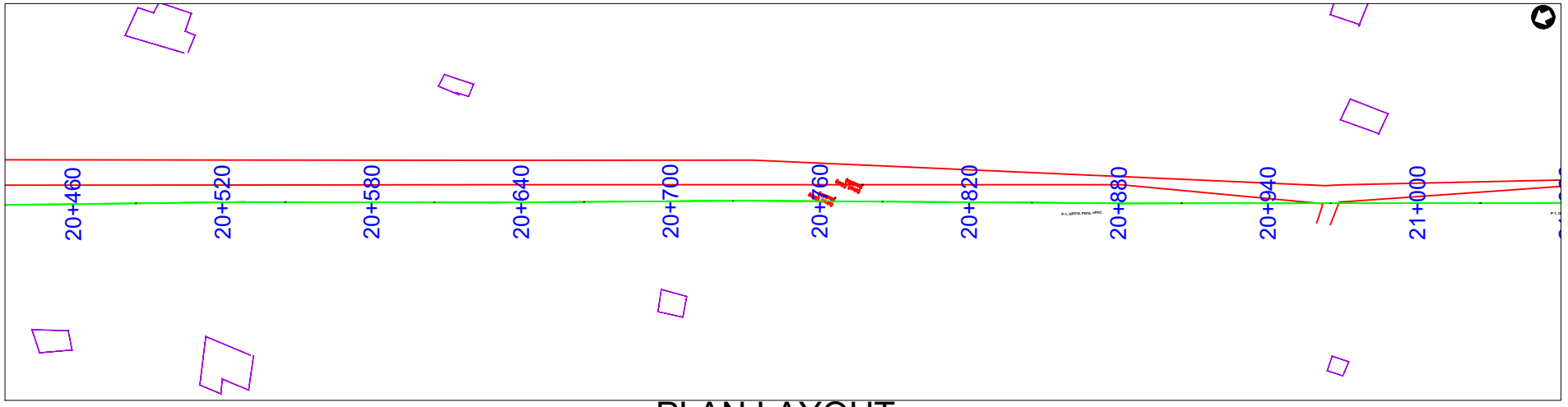


**Drawing Title:**

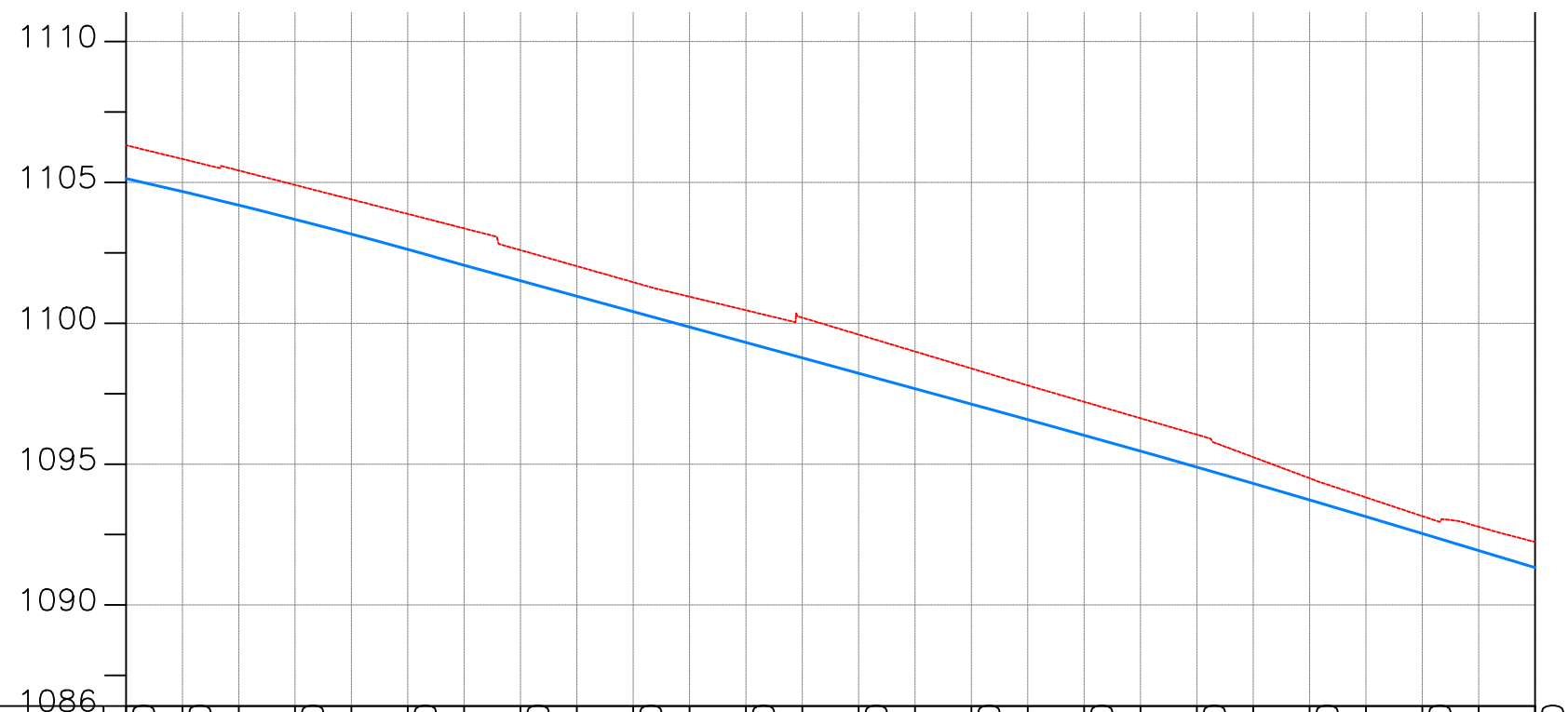
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 20+000.00 - 20+500.00)
Sheet No.: 41	Format: A3





**PLAN LAYOUT**



CHAINAGE	20+500	20+520	20+560	20+600	20+640	20+680	20+720	20+760	20+800	20+840	20+880	20+920	20+960	21+000												
GROUND LEVEL(m)	1106.317	1105.830	1105.422	1104.908	1104.395	1103.881	1103.367	1102.595	1102.026	1101.457	1100.943	1100.461	1099.199	1098.598	1098.997	1098.396	1097.795	1097.211	1096.629	1096.048	1095.250	1094.500	1093.820	1093.155	1092.778	1092.238
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1105.14	1104.67	1104.19	1103.69	1103.16	1102.62	1102.06	1101.51	1100.96	1100.41	1099.86	1099.32	1098.77	1098.22	1097.67	1097.13	1096.58	1096.02	1095.46	1094.89	1094.32	1093.73	1093.14	1092.54	1091.94	1091.33

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

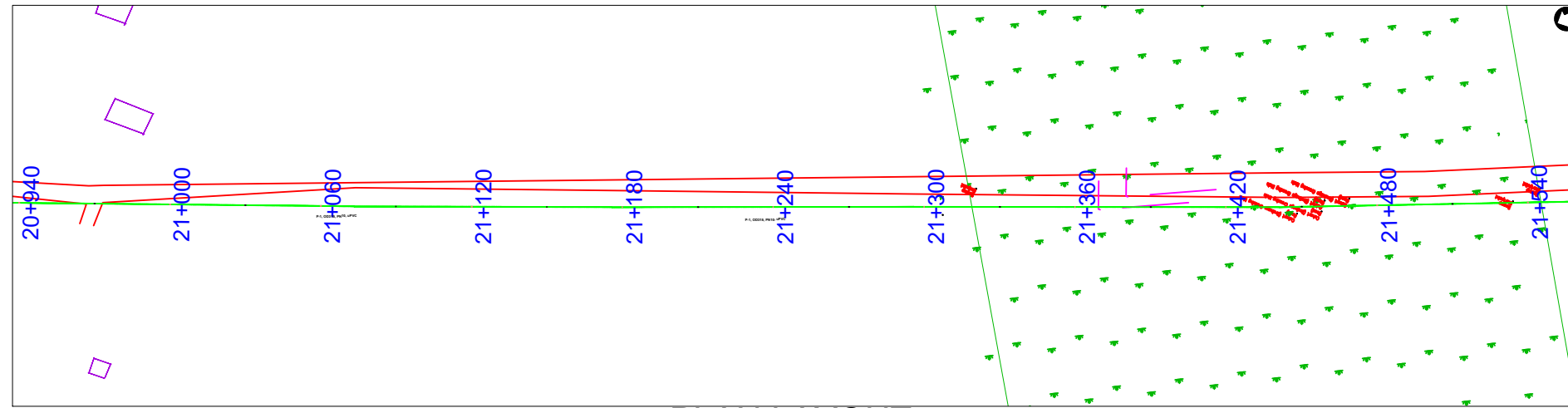
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

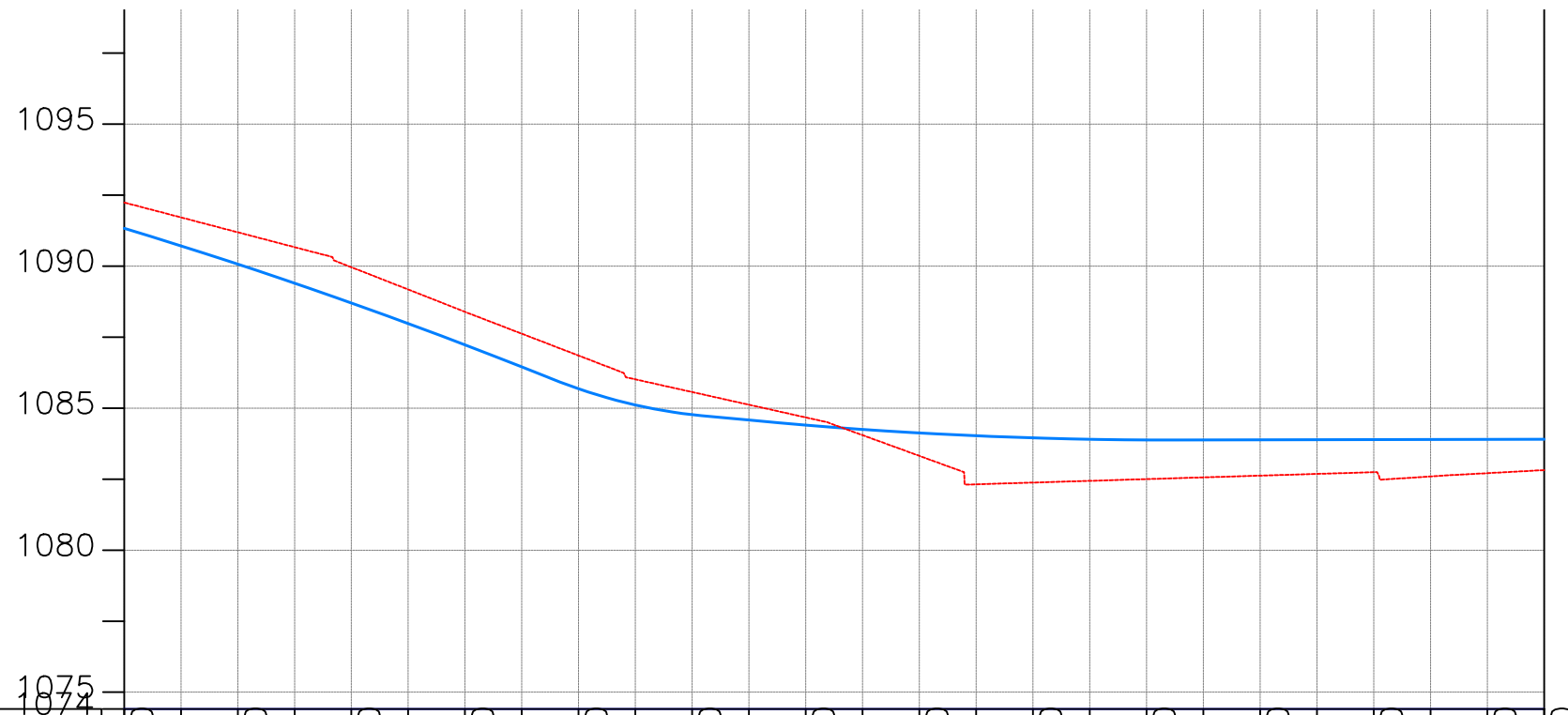
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 20+500.00 - 21+000.00)
Sheet No.: 42	Format: A3



PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
21+000	1092.238	OD 315, PN10, uPVC	1091.33
21+040	1091.714		1090.71
21+080	1090.667	DN 300, PN10, DI	1090.07
21+120	1089.962		1089.40
21+160	1089.176		1088.70
21+200	1088.391		1087.98
21+240	1087.621		1087.23
21+280	1086.851		1086.45
21+320	1086.013		1085.68
21+360	1085.566		1085.11
21+400	1085.120		1084.77
21+440	1084.673		1084.58
21+480	1084.048		1084.40
21+500	1084.25		1084.25
	1083.320		1084.13
	1082.318		1084.03
	1082.379		1083.95
	1082.440		1083.90
	1082.501		1083.88
	1082.562		1083.88
	1082.623	1083.89	
	1082.684	1083.89	
	1082.745	1083.89	
	1082.595	1083.90	
	1082.710	1083.90	
	1082.819	1083.91	

AMENDMENTS

No	Date	Revision

NOTES

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

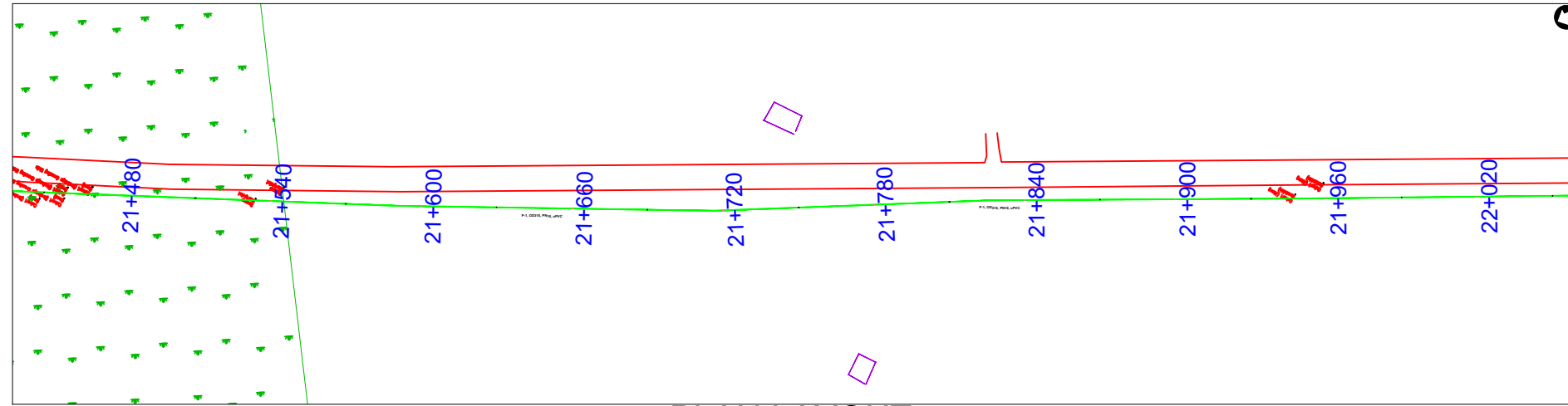
CONSULTANT:



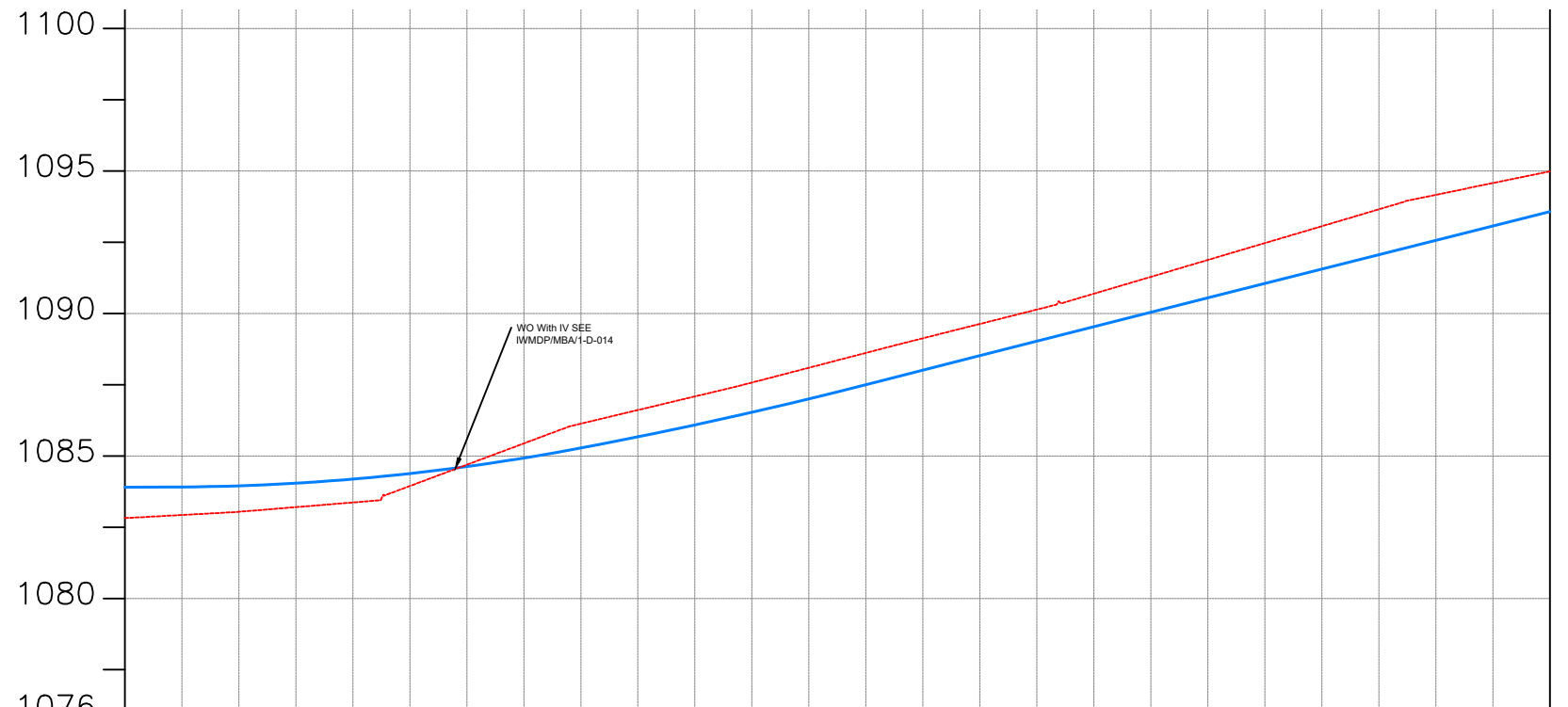
Drawing Title:

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 21+000.00 - 21+500.00)
Sheet No.: 43	Format: A3



**PLAN LAYOUT**



CHAINAGE	21+500	21+520	21+560	21+600	21+640	21+680	21+720	21+760	21+800	21+840	21+880	21+920	21+960	22+000												
GROUND LEVEL(m)	1082.819	1082.929	1083.041	1083.205	1083.368	1083.947	1084.694	1085.441	1086.133	1086.611	1087.089	1087.575	1088.096	1088.616	1089.130	1089.633	1090.137	1090.693	1091.286	1091.878	1092.470	1093.062	1093.655	1094.164	1094.575	1094.987
PIPE DETAILS	DN 300, PN10, DI										OD 315, PN10, uPVC															
PIPE INVERT(m)	1083.91	1083.91	1083.95	1084.04	1084.19	1084.38	1084.63	1084.93	1085.28	1085.67	1086.09	1086.53	1087.00	1087.50	1088.01	1088.52	1089.03	1089.54	1090.04	1090.55	1091.05	1091.56	1092.06	1092.57	1093.07	1093.57

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

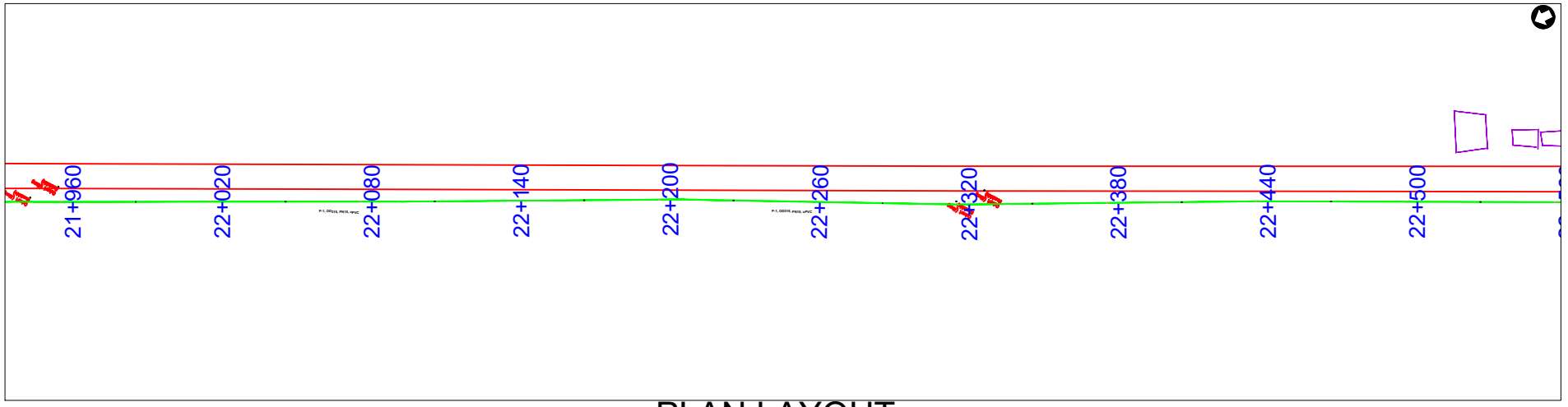
**CONSULTANT:**



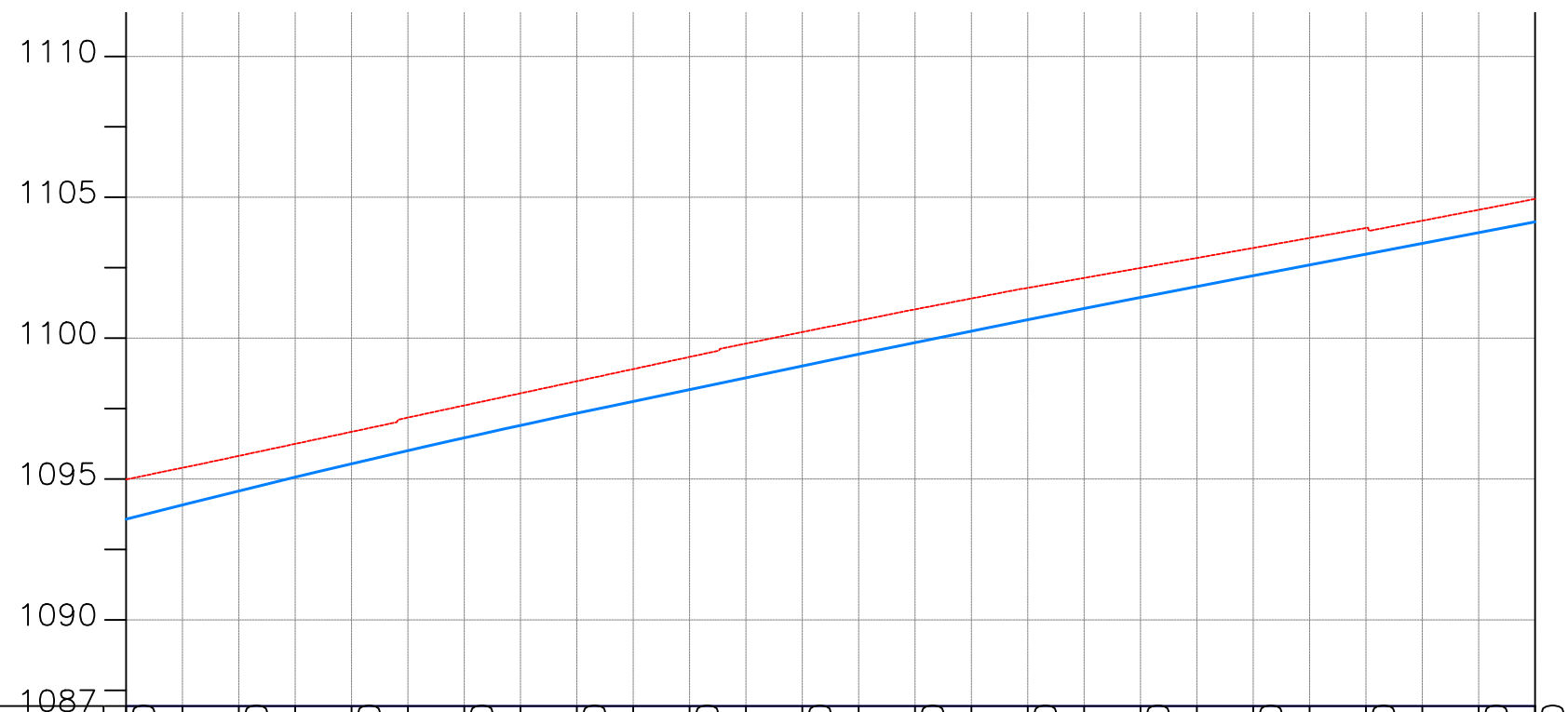
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 21+500.00 - 22+000.00)
Sheet No.: 44	Format: A3



**PLAN LAYOUT**



CHAINAGE	22+000		22+040		22+080		22+120		22+160		22+200		22+240		22+280		22+320		22+360		22+400		22+440		22+480	22+500		
GROUND LEVEL(m)	1094.987	1095.399	1095.822	1096.249	1096.676	1097.182	1097.613	1098.043	1098.473	1098.904	1099.334	1099.810	1100.216	1100.621	1101.023	1101.409	1101.785	1102.139	1102.493	1102.847	1103.201	1103.555	1103.909	1104.171	1104.556	1104.940		
PIPE DETAILS	OD 315, PN10, uPVC																											
PIPE INVERT(m)	1093.57	1094.08	1094.58	1095.07	1095.54	1096.01	1096.46	1096.90	1097.34	1097.76	1098.18	1098.59	1099.01	1099.43	1099.84	1100.25	1100.65	1101.05	1101.44	1101.83	1102.21	1102.60	1102.98	1103.36	1103.74	1104.12		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

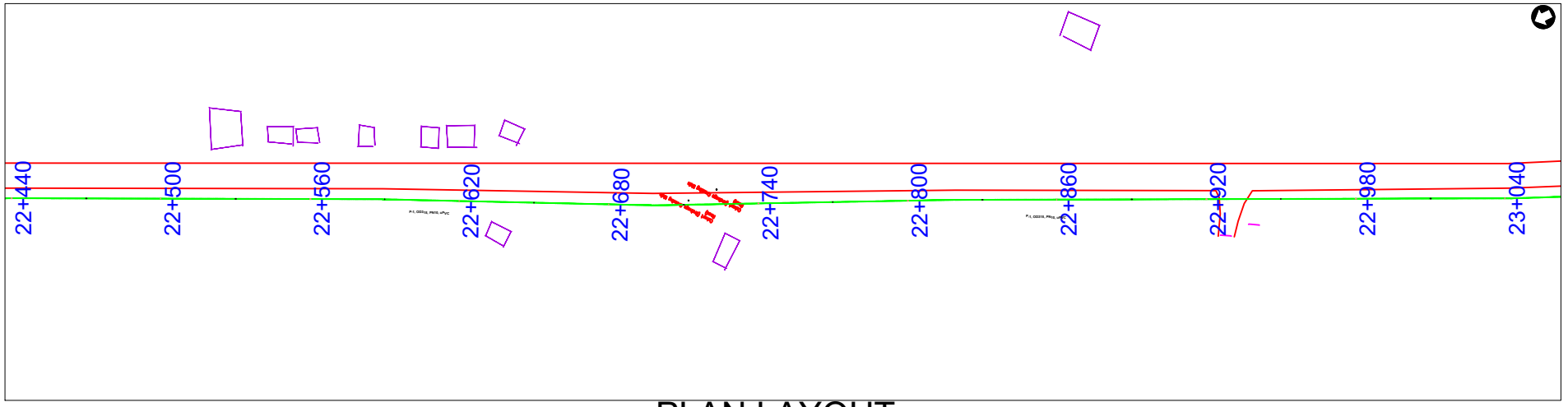
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

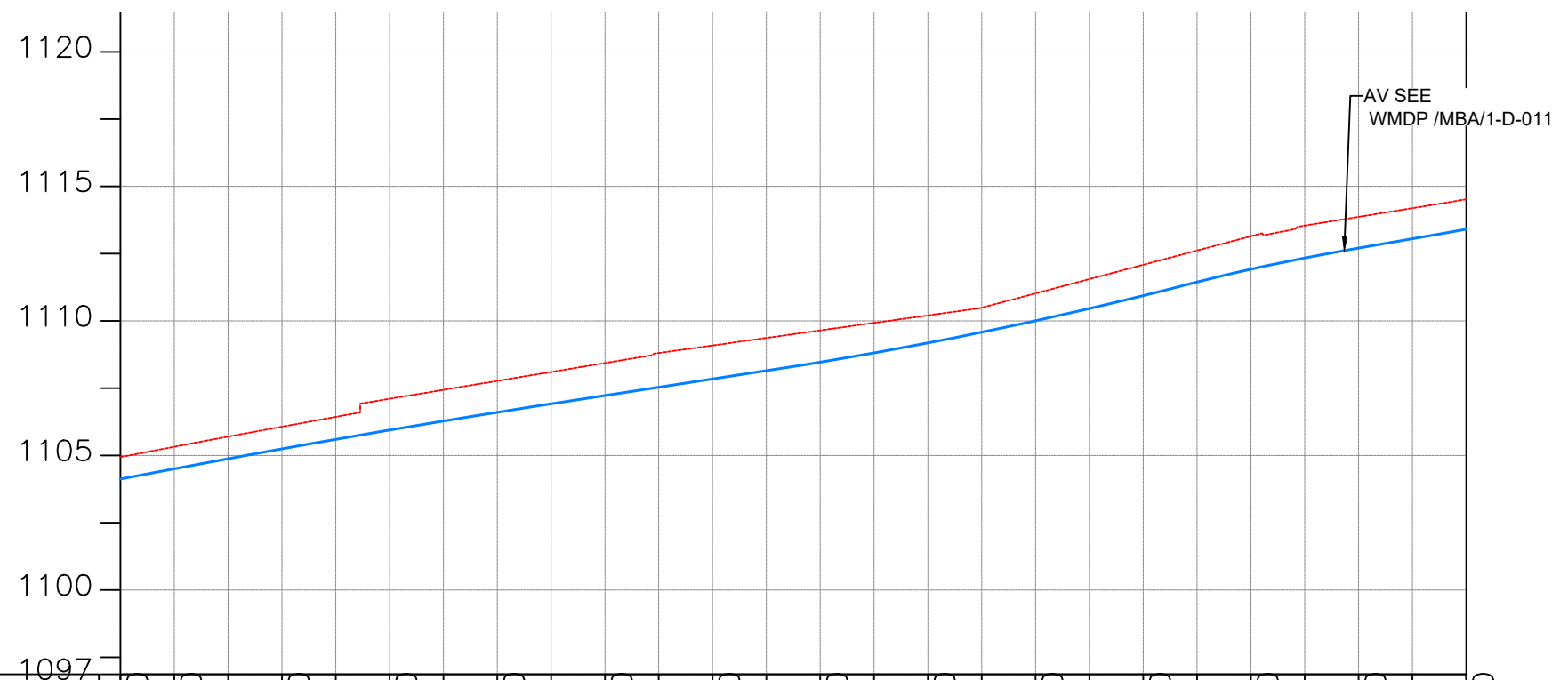
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 22+000.00 - 22+500.00)
Sheet No.: 45	Format: A3



**PLAN LAYOUT**



CHAINAGE	22+500	22+520	22+560	22+600	22+640	22+680	22+720	22+760	22+800	22+840	22+880	22+920	22+960	23+000															
GROUND LEVEL(m)	1104.940	1105.325	1105.702	1106.069	1106.436	1107.108	1107.440	1107.772	1108.104	1108.436	1108.809	1109.089	1109.369	1109.649	1109.929	1110.207	1110.493	1111.025	1111.557	1112.087	1112.618	1113.149	1113.544	1113.868	1114.192	1114.524			
PIPE DETAILS	OD 315, PN10, uPVC																												
PIPE INVERT(m)	1104.12	1104.51	1104.88	1105.25	1105.60	1105.94	1106.28	1106.60	1106.92	1107.23	1107.54	1107.84	1108.15	1108.47	1108.81	1109.18	1109.58	1110.01	1110.46	1110.94	1111.45	1111.92	1112.34	1112.71	1113.06	1113.41			

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

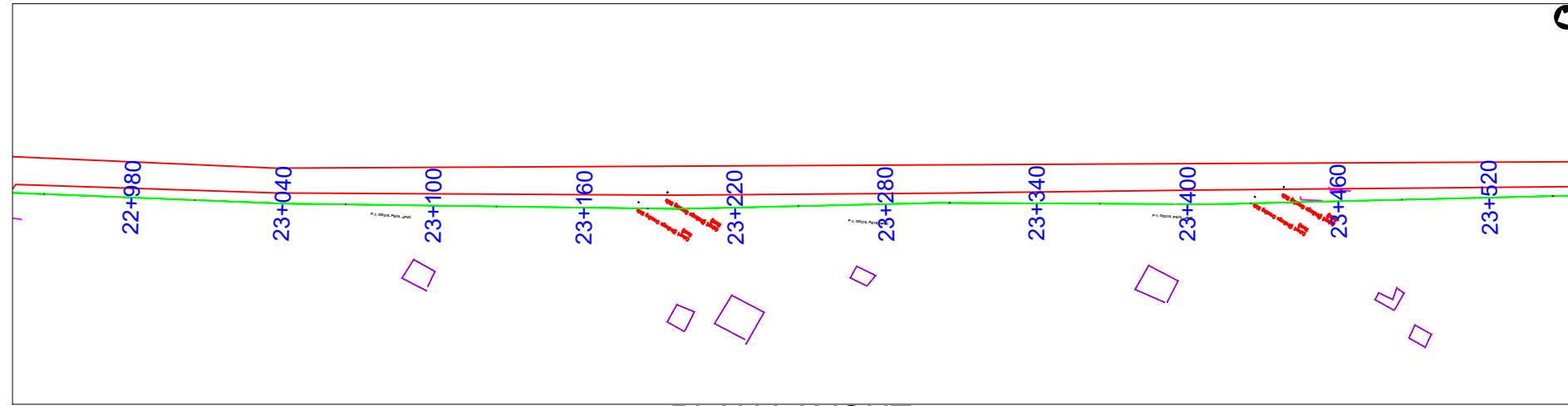
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

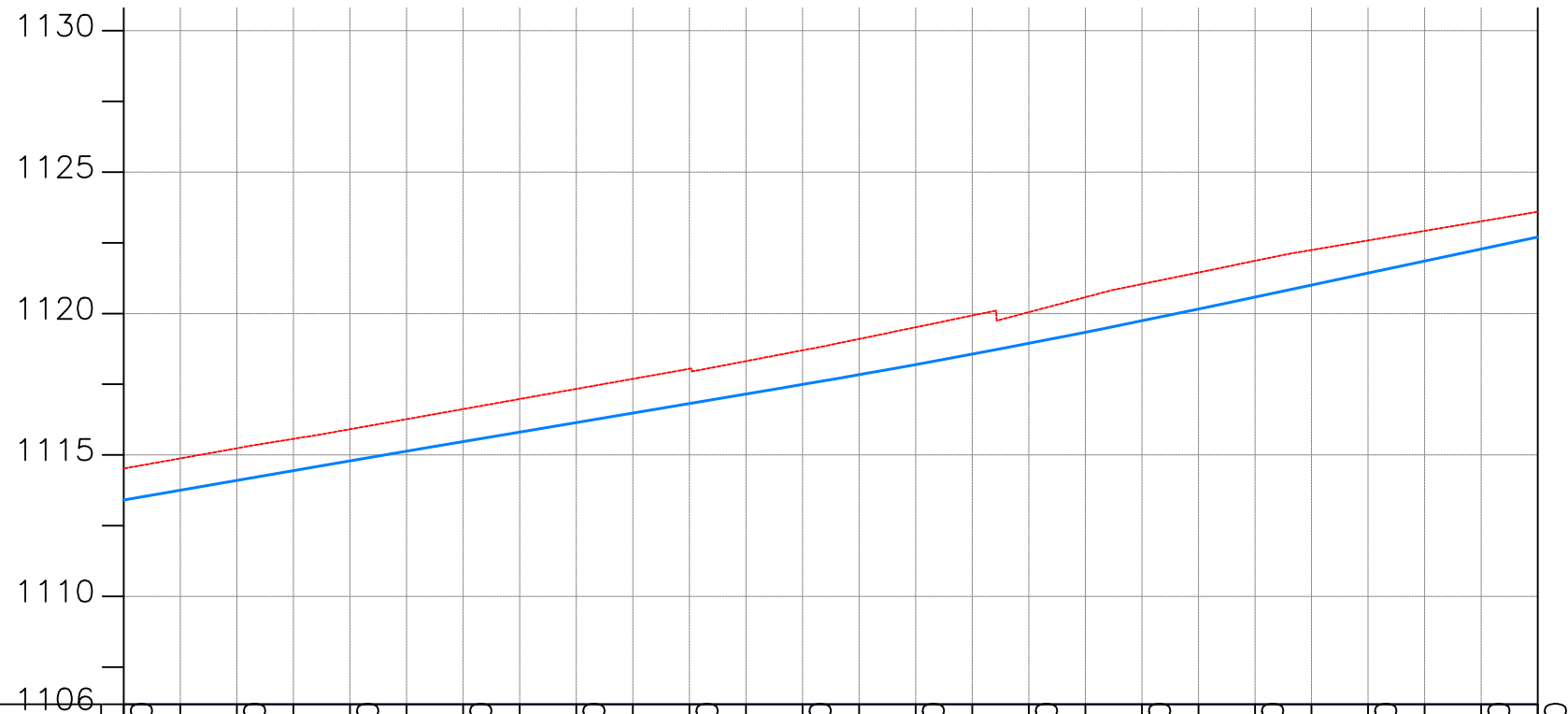
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 22+500.00 - 23+000.00)
Sheet No.: 46	Format: A3



**PLAN LAYOUT**



CHAINAGE	23+000		23+040		23+080		23+120		23+160		23+200		23+240		23+280		23+320		23+360		23+400		23+440		23+480	23+500
GROUND LEVEL(m)	1114.524	1114.881	1115.237	1115.571	1115.911	1116.267	1116.623	1116.979	1117.335	1117.691	1118.047	1118.317	1118.700	1119.101	1119.515	1119.930	1120.047	1120.576	1121.040	1121.451	1121.862	1122.245	1122.583	1122.921	1123.259	1123.597
PIPE DETAILS	OD 315, PN10, uPVC																									
PIPE INVERT(m)	1113.41	1113.76	1114.10	1114.45	1114.79	1115.13	1115.47	1115.81	1116.15	1116.48	1116.82	1117.16	1117.49	1117.84	1118.20	1118.57	1118.95	1119.34	1119.74	1120.16	1120.58	1121.01	1121.43	1121.86	1122.28	1122.70

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

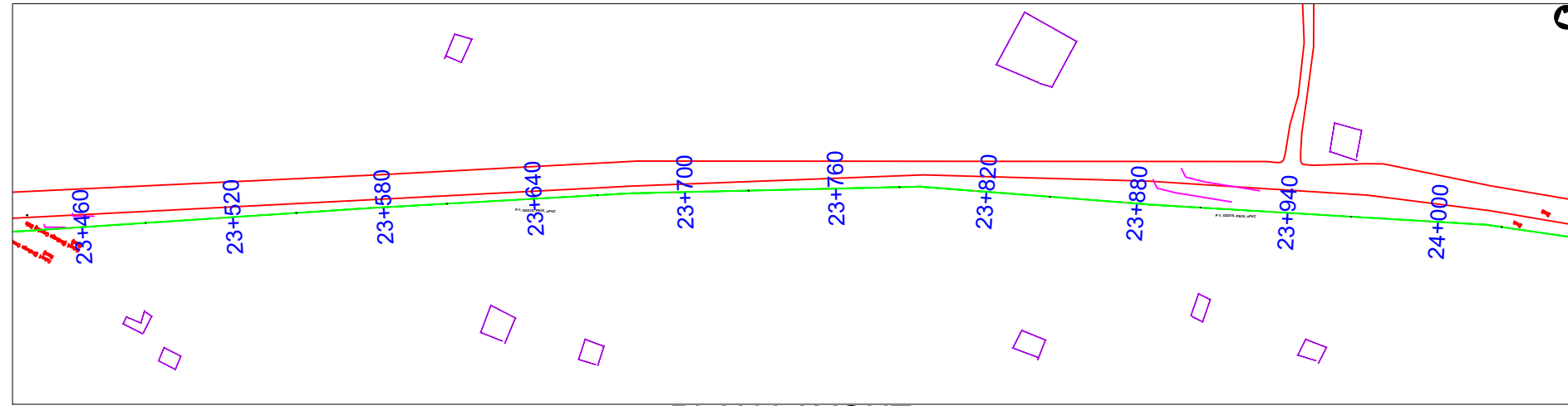


**Drawing Title:**

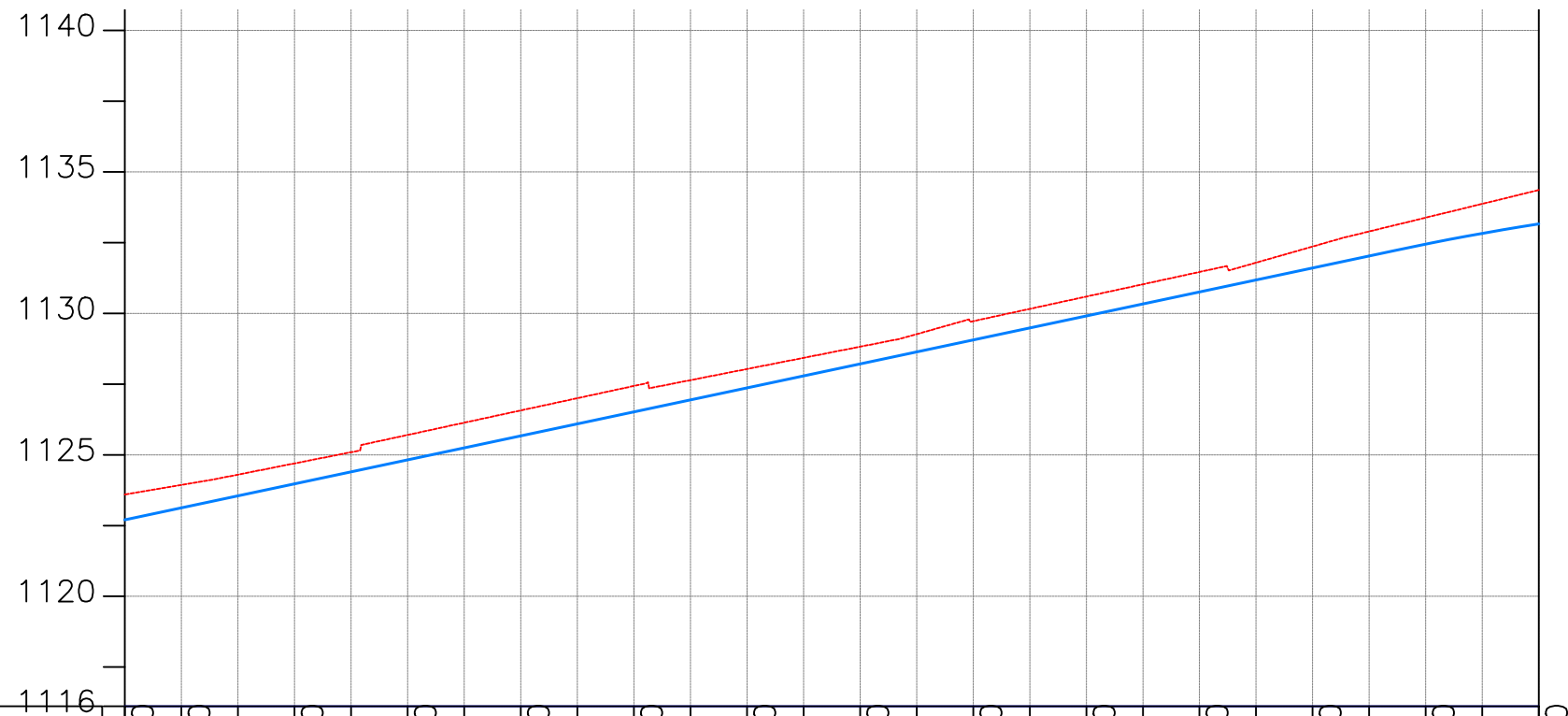
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 23+000.00 - 23+500.00)
Sheet No.: 47	Format: A3





**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
23+500	1123.597	OD 315, PN10, uPVC	1122.70
23+520	1123.935		1123.13
	1124.301		1123.55
23+560	1124.697		1123.97
	1125.093		1124.40
23+600	1125.704		1124.82
	1126.137		1125.25
23+640	1126.569		1125.67
	1127.002		1126.09
23+680	1127.435		1126.52
	1127.639		1126.94
23+720	1128.033		1127.37
	1128.428		1127.79
23+760	1128.822		1128.21
	1129.265		1128.64
23+800	1129.724		1129.06
	1130.159		1129.49
23+840	1130.593		1129.91
	1131.028		1130.33
23+880	1131.462		1130.76
	1131.790	1131.18	
23+920	1132.362	1131.61	
	1132.895	1132.03	
23+960	1133.382	1132.45	
	1133.870	1132.83	
24+000	1134.358		1133.16

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

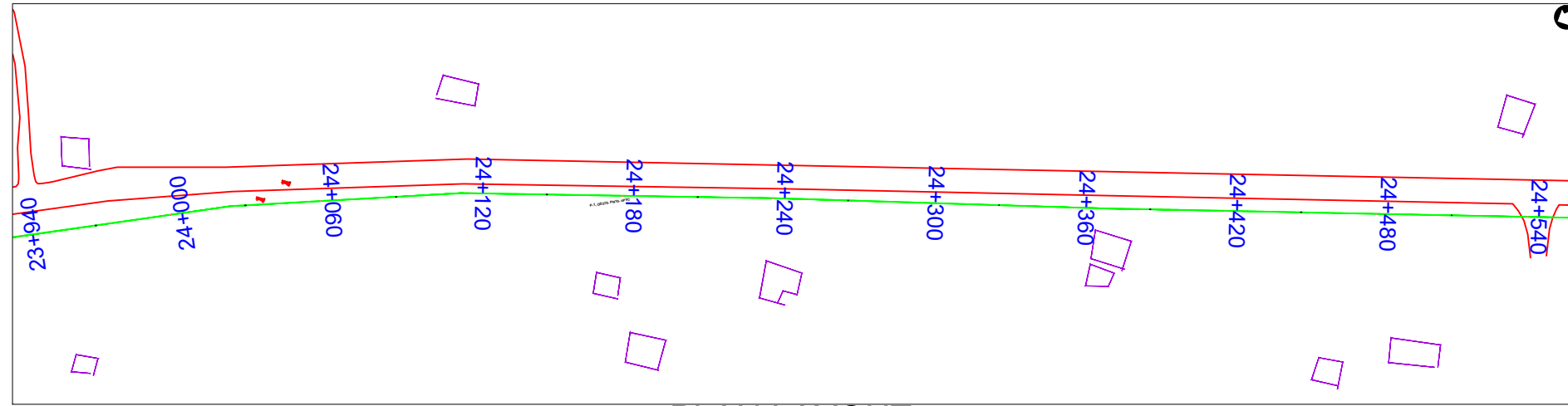
**CONSULTANT:**



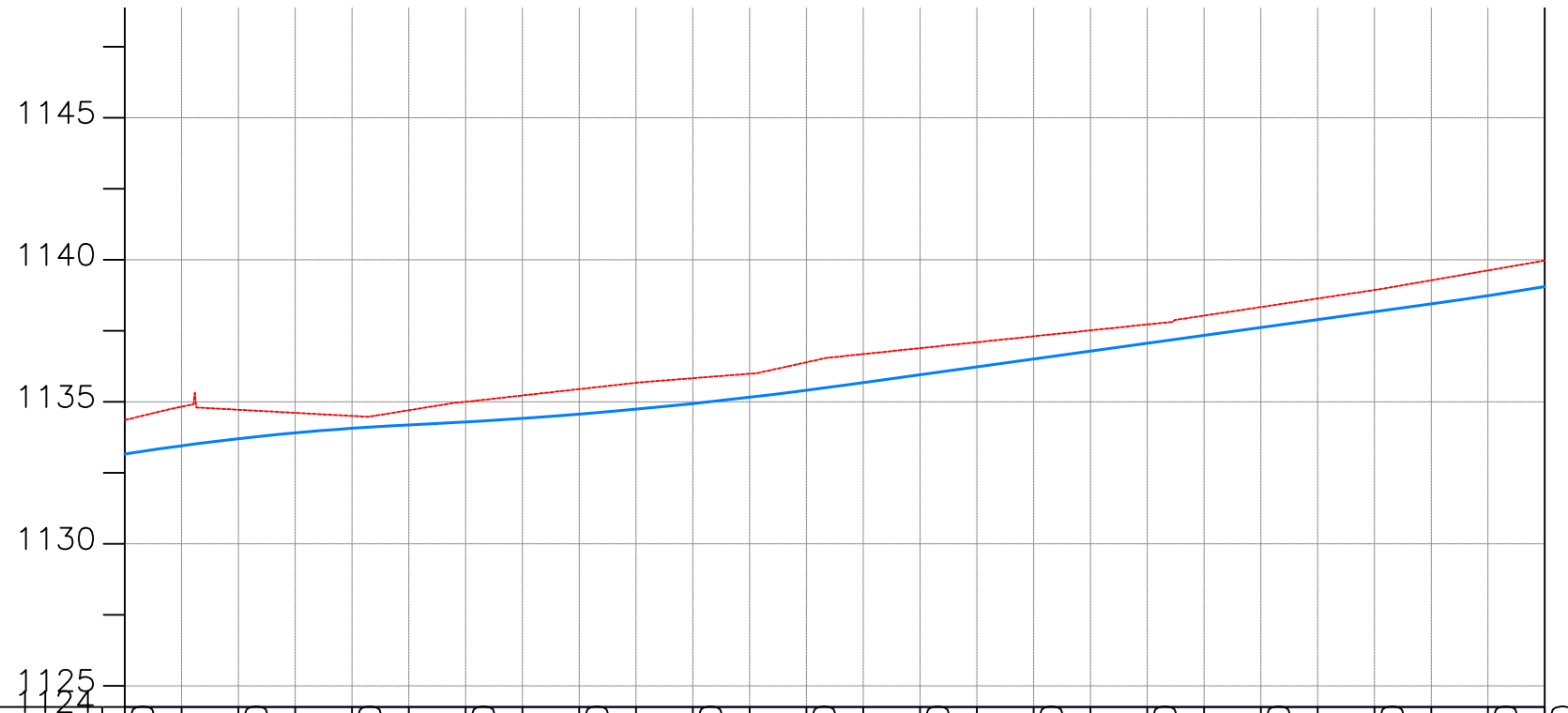
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 23+500.00 - 24+000.00)
Sheet No.: 48	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
24+000	1134.358	OD 315, PN10, uPVC	1133.16
	1134.828		1133.45
24+040	1134.720		1133.70
	1134.612		1133.91
24+080	1134.503		1134.07
	1134.704		1134.19
24+120	1135.000		1134.29
	1135.224		1134.42
24+160	1135.447		1134.57
	1135.671		1134.74
24+200	1135.832		1134.94
	1135.988		1135.16
24+240	1136.392		1135.41
	1136.681		1135.68
24+280	1136.890		1135.95
	1137.098		1136.23
24+320	1137.307	1136.51	
	1137.516	1136.78	
24+360	1137.724	1137.06	
	1138.035	1137.34	
24+400	1138.336	1137.62	
	1138.636	1137.89	
24+440	1138.937	1138.17	
	1139.279	1138.45	
24+480	1139.627	1138.74	
24+500	1139.974	1139.06	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

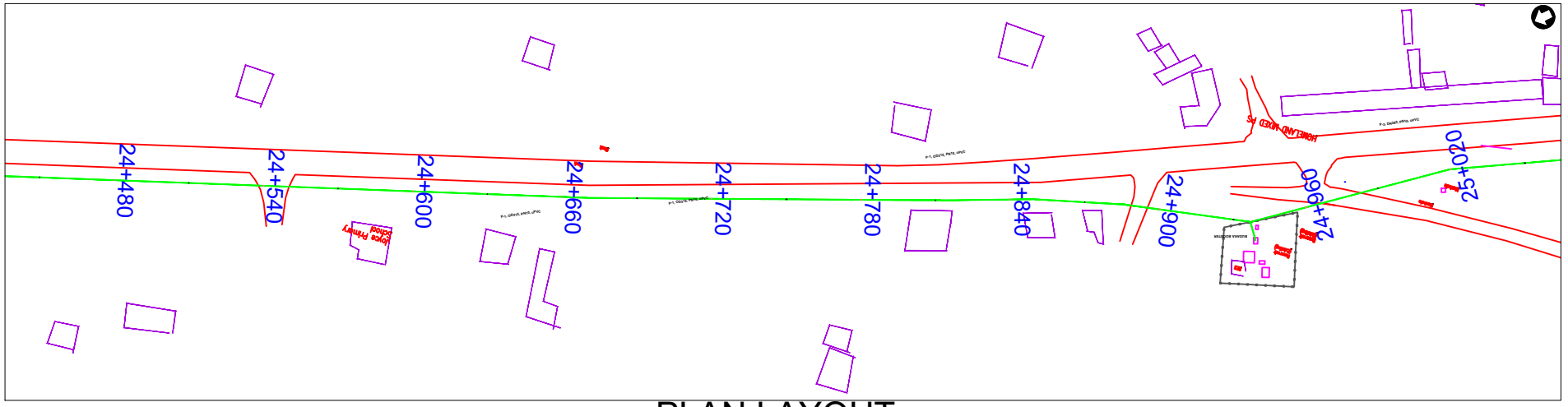
**CONSULTANT:**



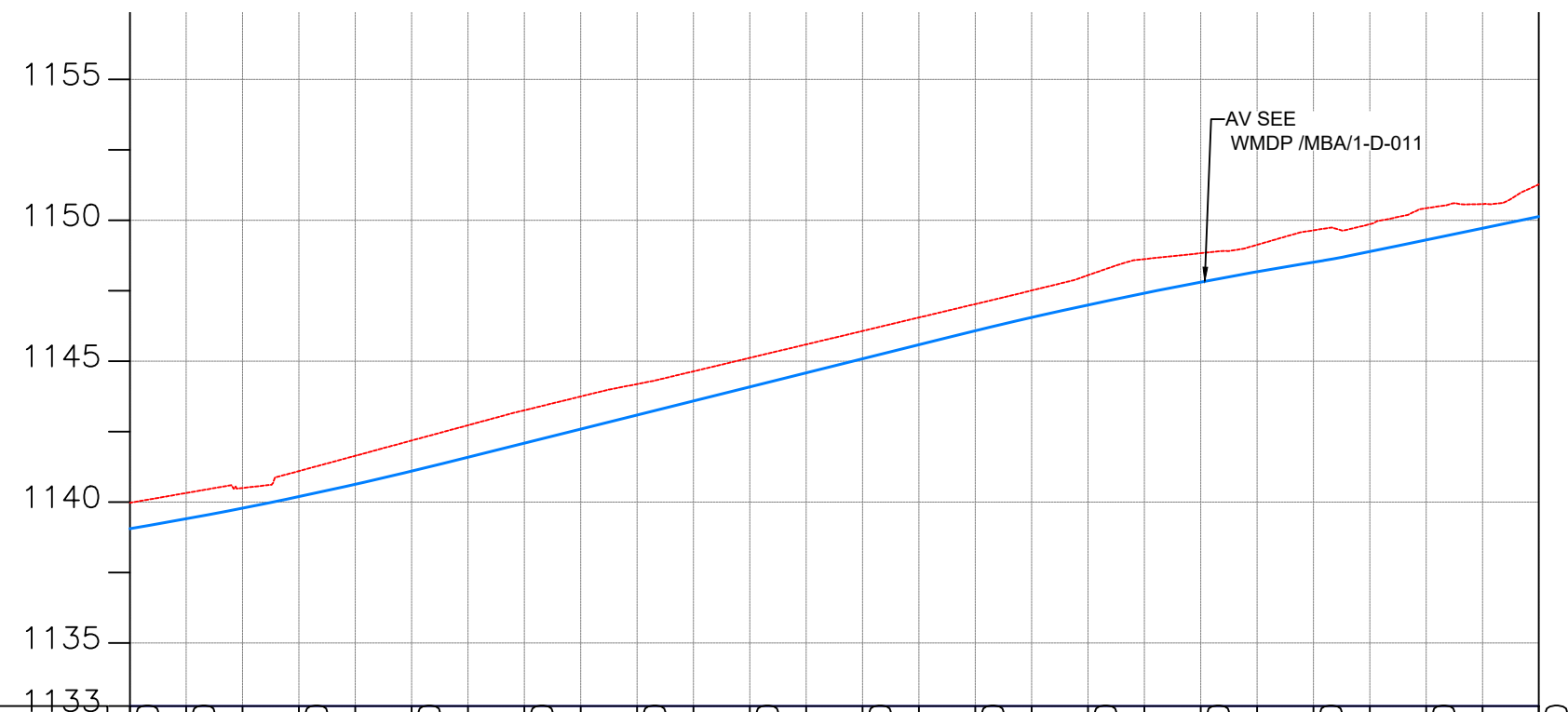
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 24+000.00 - 24+500.00)
Sheet No.: 49	Format: A3



**PLAN LAYOUT**



CHAINAGE	24+500	24+520	24+560	24+600	24+640	24+680	24+720	24+760	24+800	24+840	24+880	24+920	24+960	25+000												
GROUND LEVEL(m)	1139.974	1140.322	1140.501	1141.101	1141.643	1142.185	1142.727	1143.258	1143.748	1144.188	1144.641	1145.118	1145.595	1146.072	1146.550	1147.027	1147.509	1148.051	1148.623	1148.832	1149.130	1149.645	1149.863	1150.429	1150.577	1151.273
PIPE DETAILS	OD 315, PN10, uPVC													OD 280, PN10, uPVC												
PIPE INVERT(m)	1139.06	1139.41	1139.79	1140.19	1140.63	1141.10	1141.59	1142.09	1142.59	1143.09	1143.59	1144.09	1144.59	1145.09	1145.59	1146.08	1146.55	1147.00	1147.41	1147.81	1148.17	1148.51	1148.89	1149.30	1149.72	1150.13

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

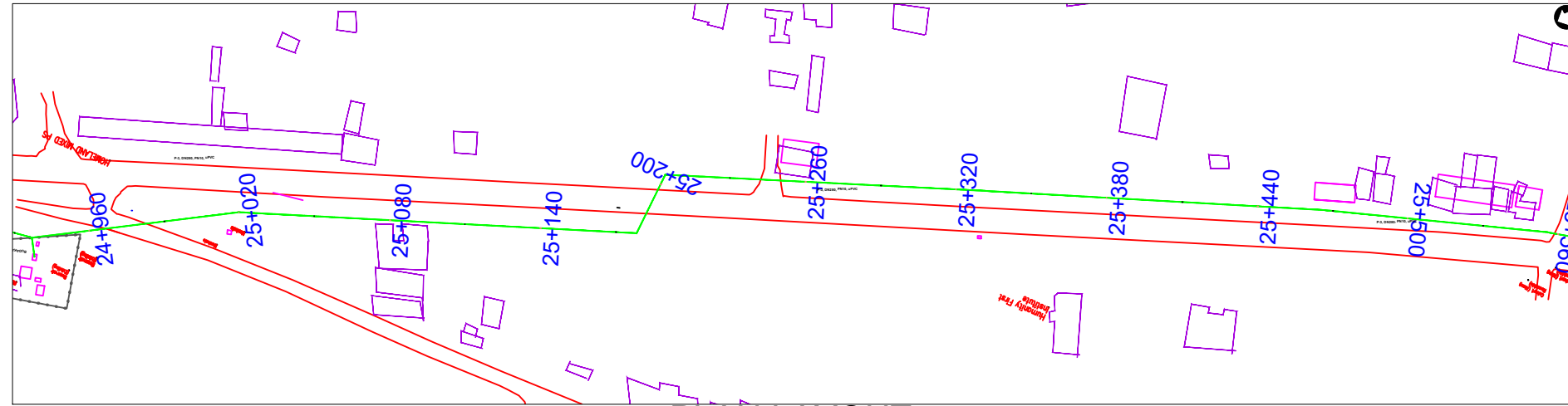
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

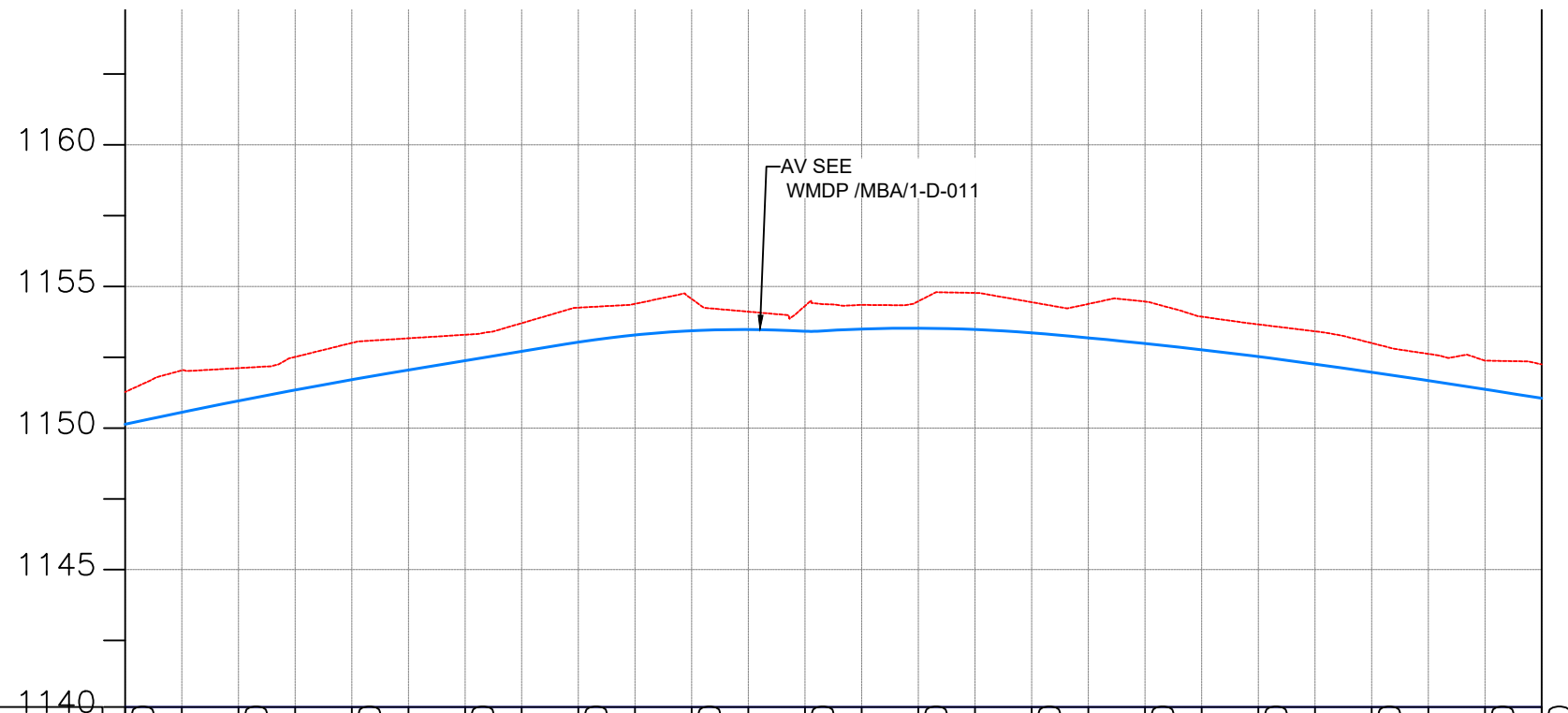
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 24+500.00 - 25+000.00)
Sheet No.: 50	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
25+000	1151.273	OD 280, PN10, uPVC	1150.13
	1152.035		1150.56
25+040	1152.116		1150.96
	1152.511		1151.34
25+080	1153.004		1151.71
	1153.169		1152.05
25+120	1153.294		1152.38
	1153.703		1152.71
25+160	1154.250		1153.03
	1154.385		1153.29
25+200	1154.556		1153.43
	1154.108		1153.48
25+240	1154.314		1153.42
	1154.347		1153.49
25+280	1154.477		1153.52
	1154.770		1153.48
25+320	1154.443		1153.36
	1154.381		1153.18
25+360	1154.464		1152.98
	1153.931		1152.76
25+400	1153.659	1152.52	
	1153.415	1152.26	
25+440	1153.000	1151.97	
	1152.619	1151.68	
25+480	1152.381	1151.37	
25+500	1152.247	1151.05	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

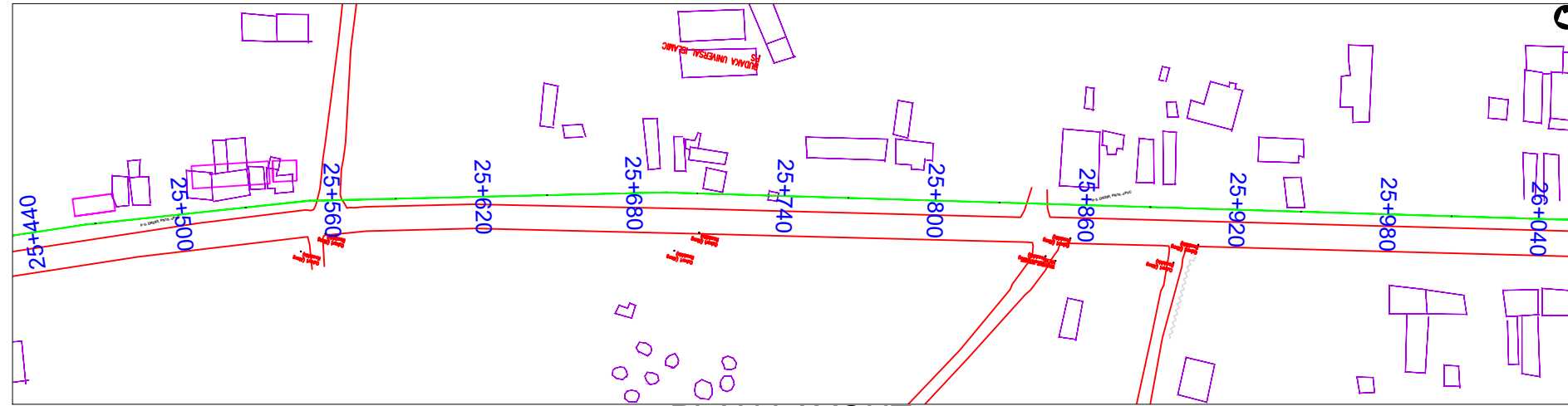
**CONSULTANT:**



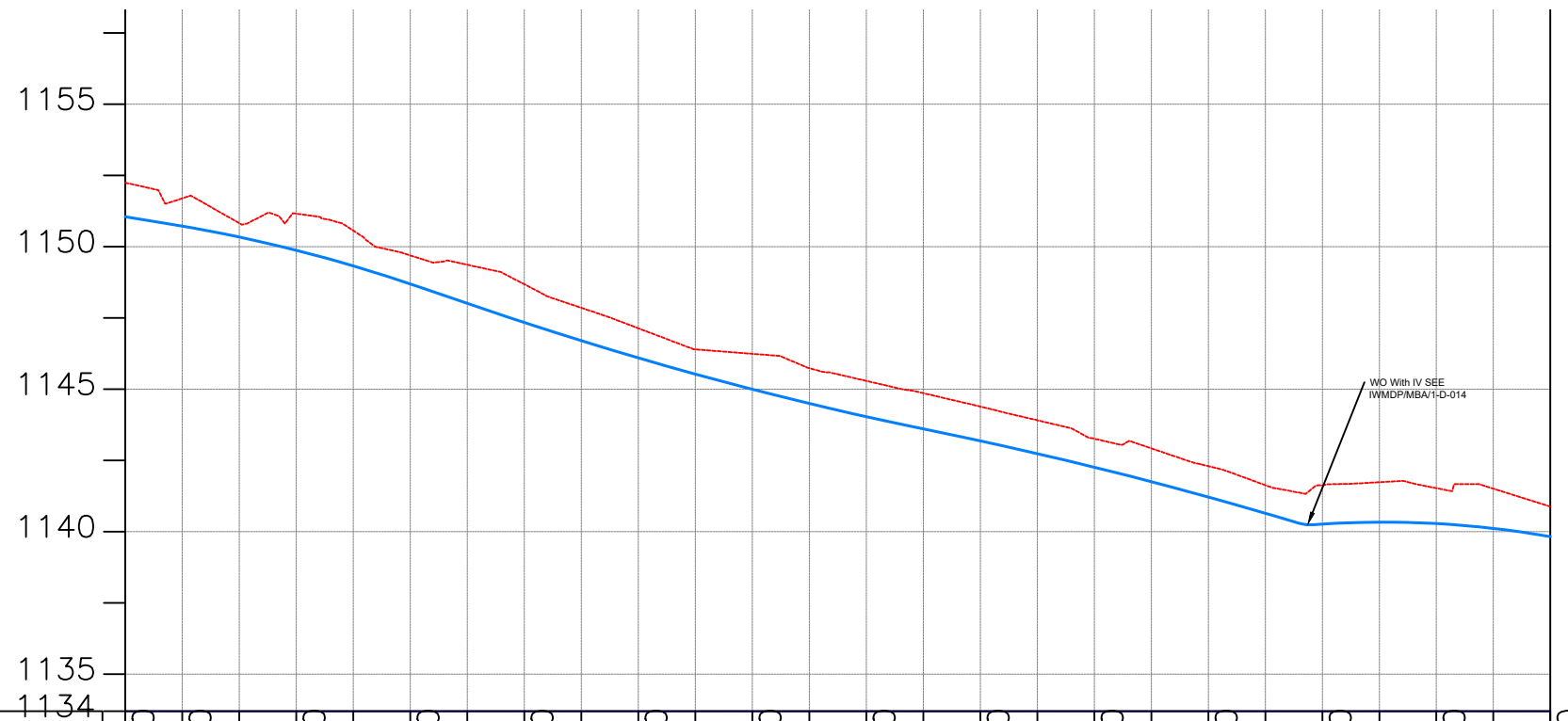
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 25+000.00 - 25+500.00)
Sheet No.: 51	Format: A3



PLAN LAYOUT



CHAINAGE	25+500	25+520	25+560	25+600	25+640	25+680	25+720	25+760	25+800	25+840	25+880	25+920	25+960	26+000												
GROUND LEVEL(m)	1152.247	1151.697	1150.825	1151.159	1150.566	1149.695	1149.368	1148.683	1147.855	1147.138	1146.397	1146.242	1145.737	1145.292	1144.861	1144.391	1143.909	1143.261	1142.923	1142.300	1141.632	1141.622	1141.736	1141.528	1141.511	1140.879
PIPE DETAILS	OD 280, PN10, uPVC																									
PIPE INVERT(m)	1151.05	1150.72	1150.34	1149.87	1149.33	1148.69	1148.01	1147.34	1146.70	1146.10	1145.53	1145.00	1144.50	1144.04	1143.61	1143.18	1142.74	1142.26	1141.75	1141.22	1140.65	1140.27	1140.34	1140.29	1140.12	1139.83

AMENDMENTS

No	Date	Revision

NOTES

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

- Transmission Line
- New Distribution Line
- = Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

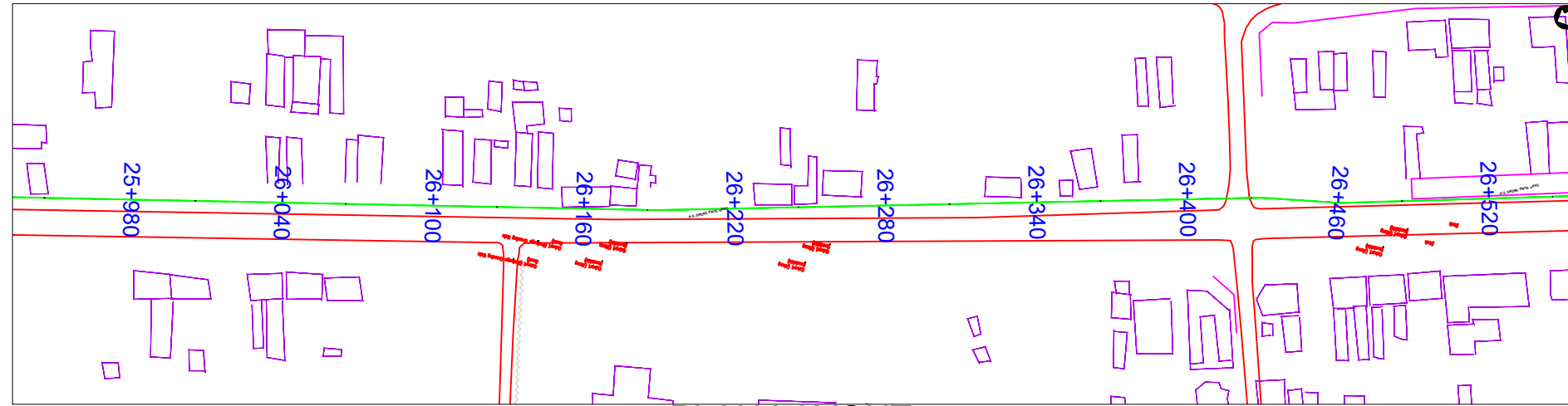
CONSULTANT:



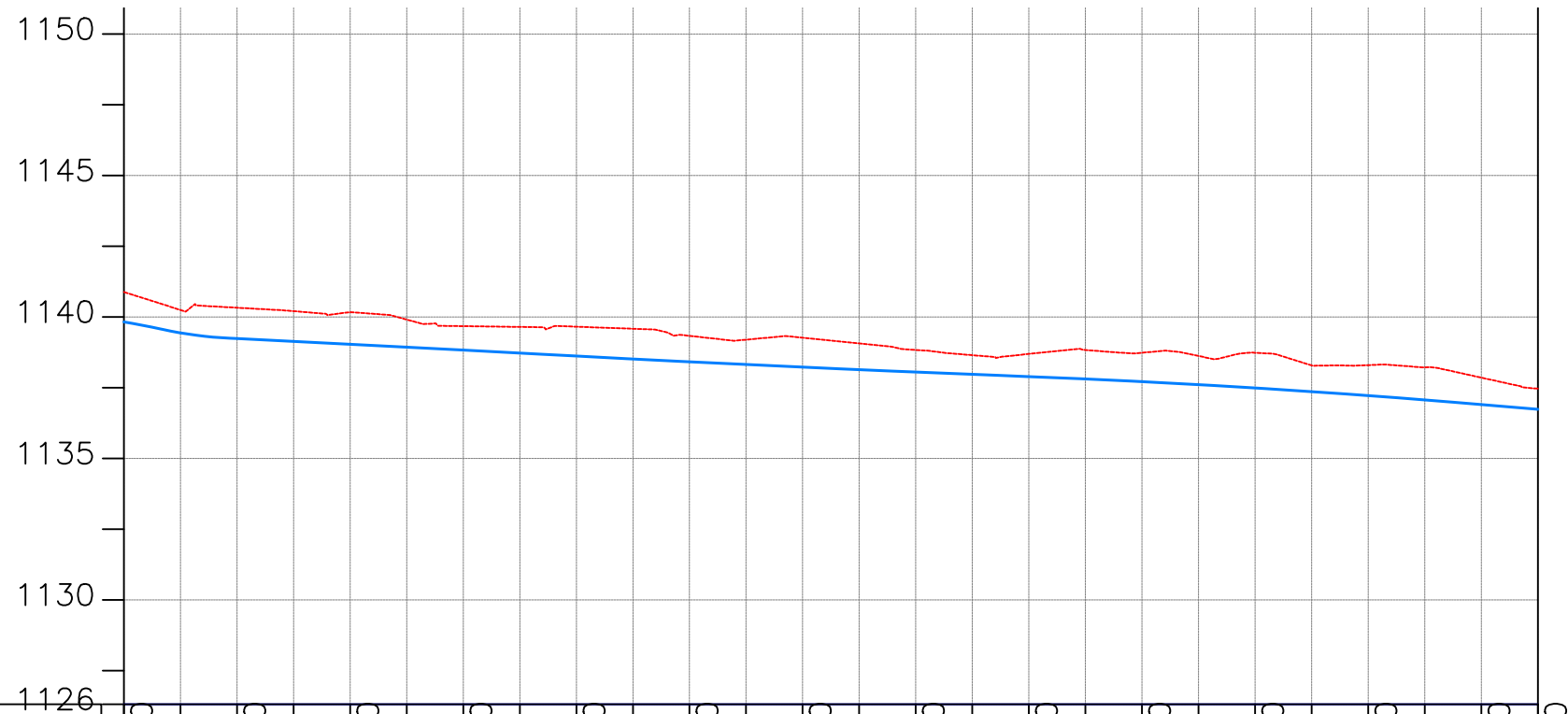
Drawing Title:

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 25+500.00 - 26+000.00)
Sheet No.: 52	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
26+000	1140.879	OD 280, PN10, uPVC	1139.83
	1140.247		1139.44
26+040	1140.325		1139.23
	1140.204		1139.14
26+080	1140.170		1139.03
	1139.907		1138.93
26+120	1139.674		1138.83
	1139.647		1138.72
26+160	1139.655		1138.62
	1139.582		1138.51
26+200	1139.332		1138.41
	1139.195		1138.32
26+240	1139.266		1138.23
	1139.063		1138.14
26+280	1138.833		1138.05
	1138.648		1137.97
26+320	1138.692		1137.89
	1138.830		1137.81
26+360	1138.734		1137.71
	1138.620		1137.61
26+400	1138.733	1137.49	
	1138.286	1137.36	
26+440	1138.296	1137.22	
	1138.217	1137.07	
26+480	1137.854	1136.90	
26+500	1137.465	1136.73	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**



**Drawing Title:**

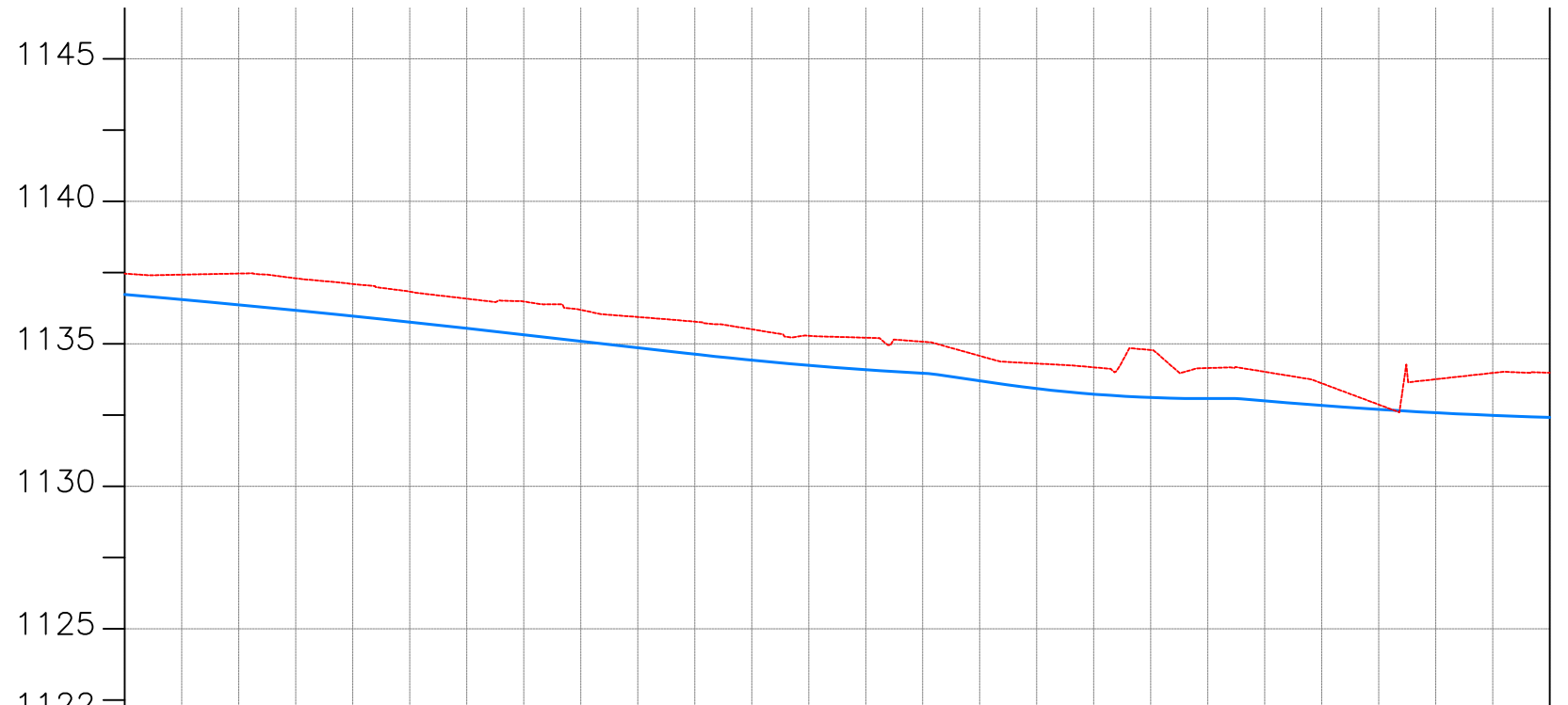
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 26+000.00 - 26+500.00)
Sheet No.: 53	Format: A3





**PLAN LAYOUT**



CHAINAGE	26+500	26+520	26+560	26+600	26+640	26+680	26+720	26+760	26+800	26+840	26+880	26+920	26+960	27+000
GROUND LEVEL(m)	1137.465	1137.429	1137.468	1137.300	1137.100	1136.833	1136.585	1136.487	1136.194	1135.942	1135.779	1135.512	1135.284	1135.216
PIPE DETAILS	OD 280, PN10, uPVC													
PIPE INVERT(m)	1136.73	1136.56	1136.37	1136.18	1135.97	1135.76	1135.54	1135.32	1135.09	1134.87	1134.64	1134.43	1134.25	1134.09
	1133.97	1133.70	1133.43	1133.24	1133.12	1133.08	1133.00	1132.84	1132.70	1132.58	1132.49	1132.42		

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

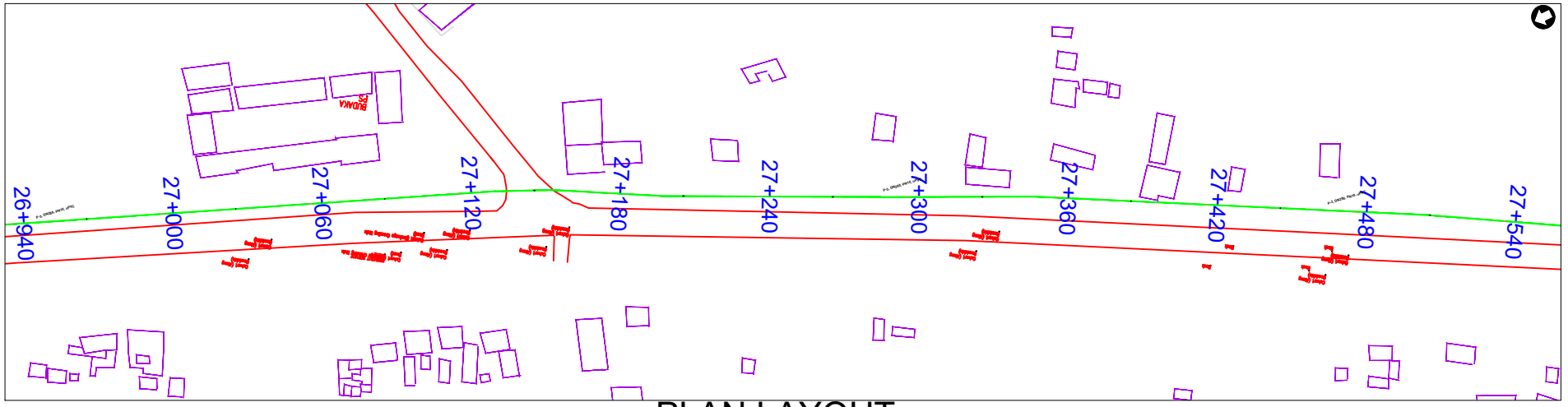
**CONSULTANT:**



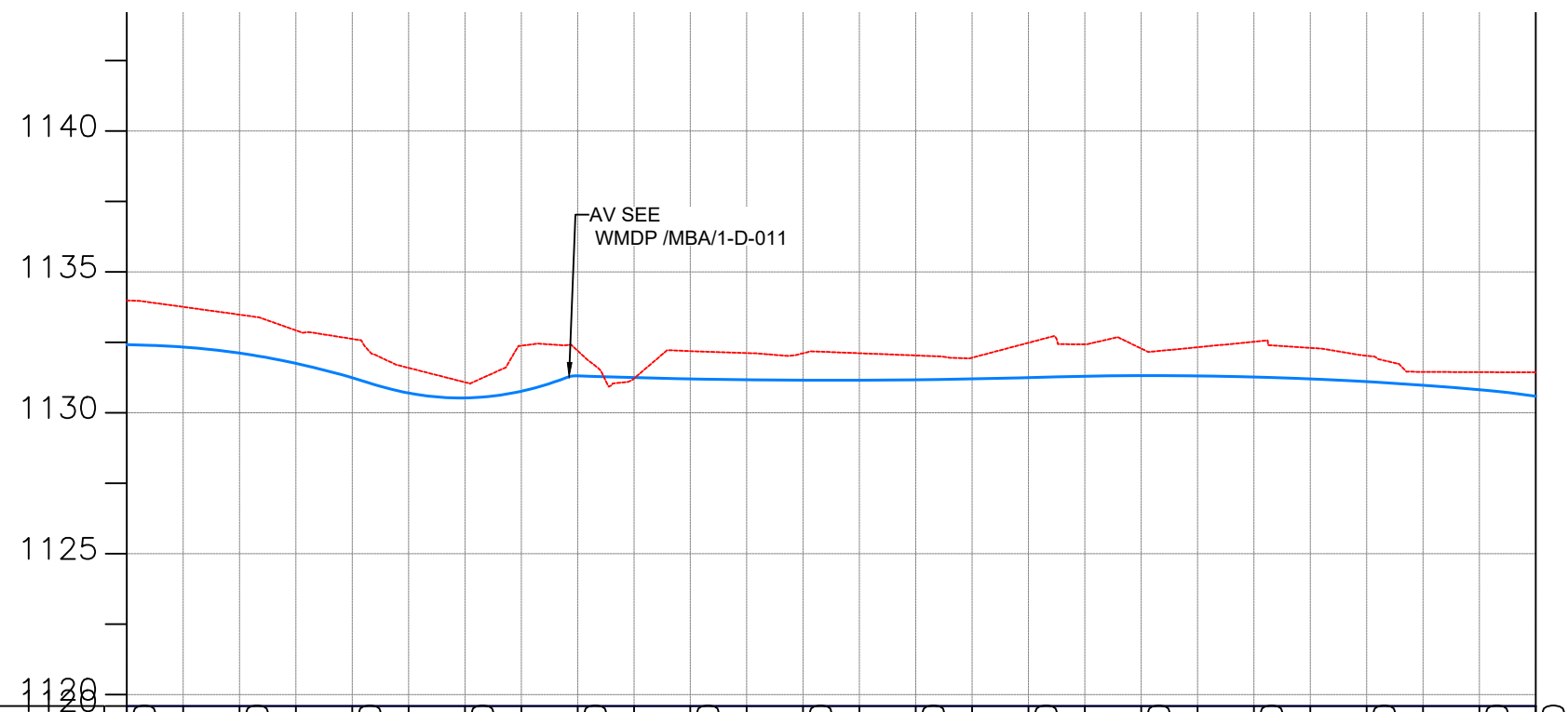
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 26+500.00 - 27+000.00)
Sheet No.: 54	Format: A3



PLAN LAYOUT



CHAINAGE	27+000		27+040		27+080		27+120		27+160		27+200		27+240		27+280		27+320		27+360		27+400		27+440		27+480	27+500		
GROUND LEVEL(m)	1133.986	1133.759	1133.483	1132.926	1132.624	1131.594	1131.085	1132.380	1132.201	1131.219	1132.188	1132.121	1132.113	1132.114	1132.035	1131.957	1132.486	1132.434	1132.282	1132.327	1132.521	1132.304	1132.026	1131.451	1131.443	1131.436		
PIPE DETAILS	OD 280, PN10, uPVC																											
PIPE INVERT(m)	1132.42	1132.33	1132.12	1131.75	1131.24	1130.70	1130.53	1130.77	1131.31	1131.25	1131.20	1131.17	1131.16	1131.16	1131.17	1131.20	1131.25	1131.30	1131.32	1131.31	1131.27	1131.20	1131.11	1130.98	1130.82	1130.59		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

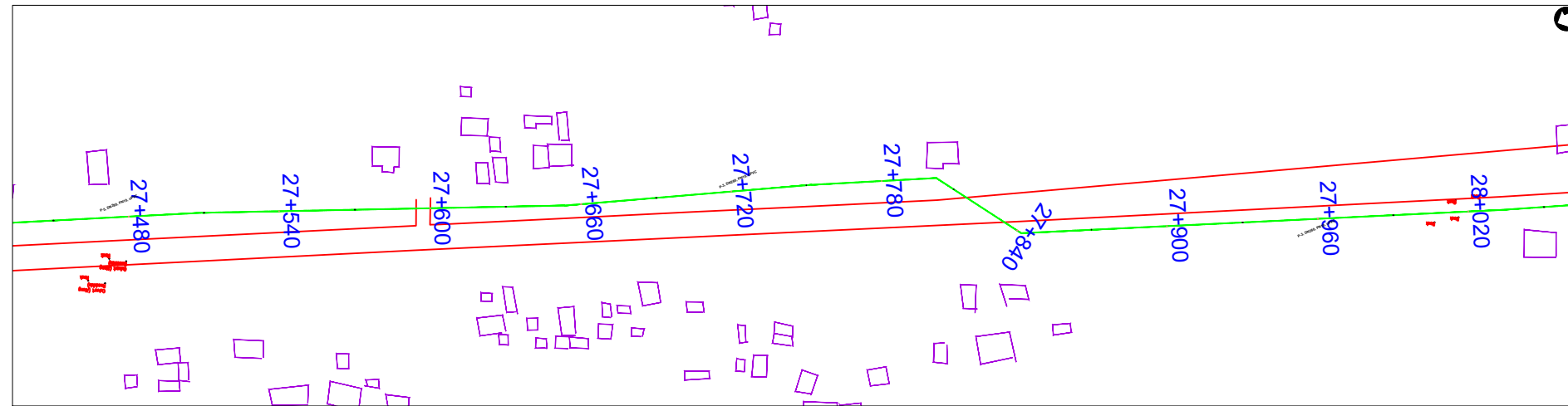
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

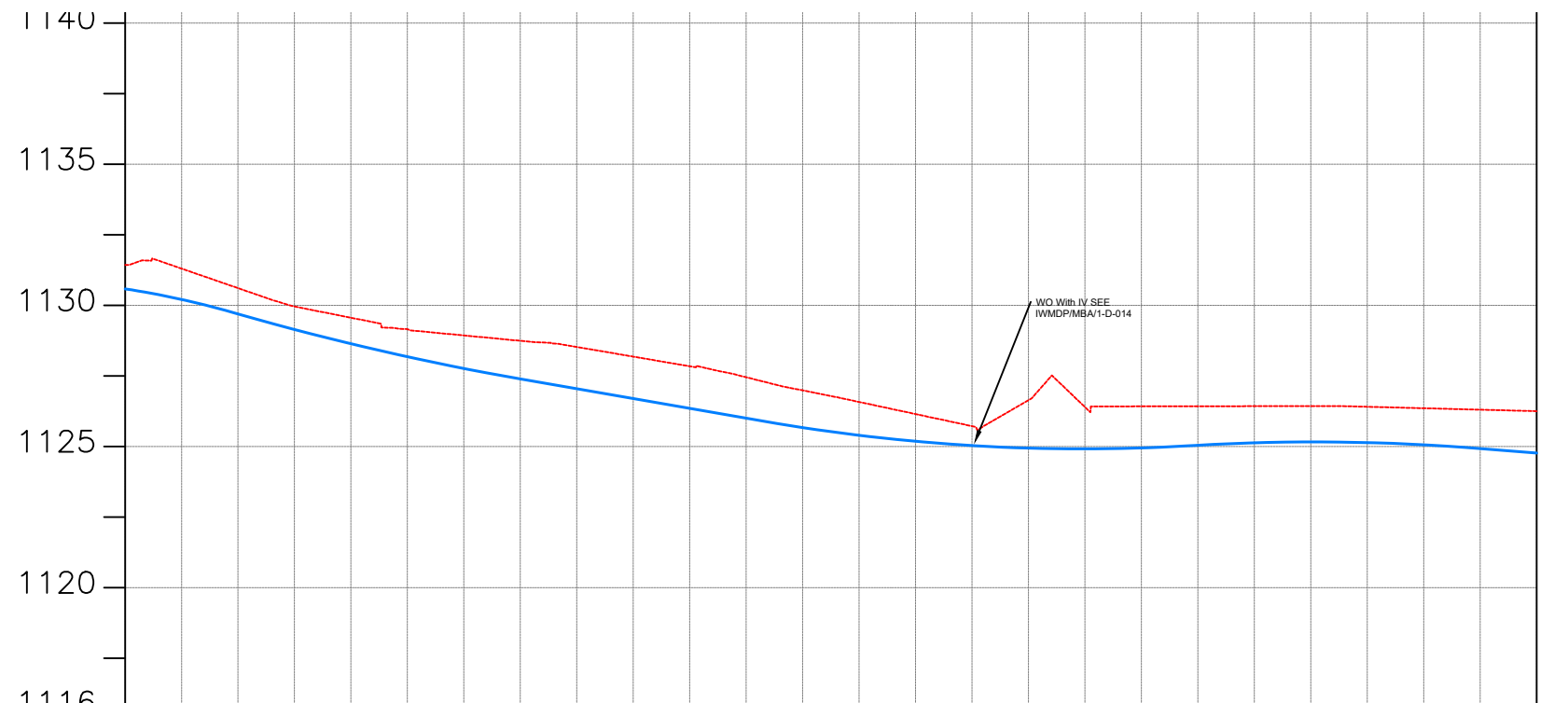
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 27+000.00 - 27+500.00)
Sheet No.: 55	Format: A3



**PLAN LAYOUT**



CHAINAGE	27+500	27+520		27+560		27+600		27+640		27+680		27+720		27+760		27+800		27+840		27+880		27+920		27+960		28+000		
GROUND LEVEL(m)	1131.436	1131.304	1130.612	1129.961	1129.563	1129.154	1128.936	1128.746	1128.527	1128.186	1127.845	1127.456	1126.990	1126.579	1126.151	1125.722	1126.640	1126.400	1126.423	1126.426	1126.430	1126.433	1126.409	1126.357	1126.305	1126.253		
PIPE DETAILS	OD 280, PN10, uPVC																											
PIPE INVERT(m)	1130.59	1130.21	1129.70	1129.15	1128.64	1128.18	1127.77	1127.39	1127.05	1126.70	1126.35	1126.01	1125.67	1125.40	1125.19	1125.03	1124.95	1124.92	1124.95	1125.05	1125.13	1125.16	1125.14	1125.06	1124.93	1124.77		

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

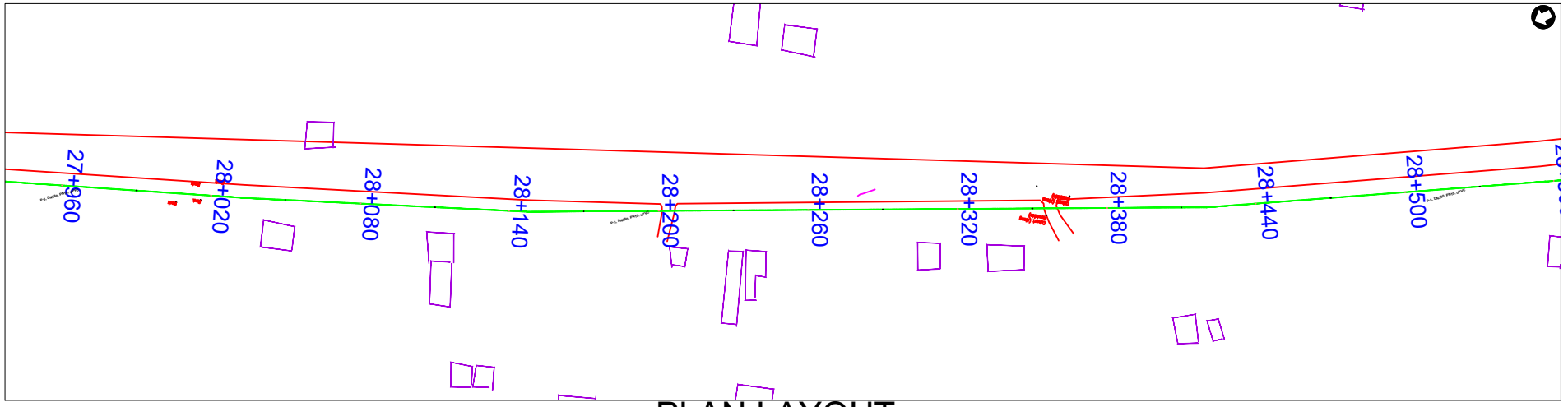
**CONSULTANT:**



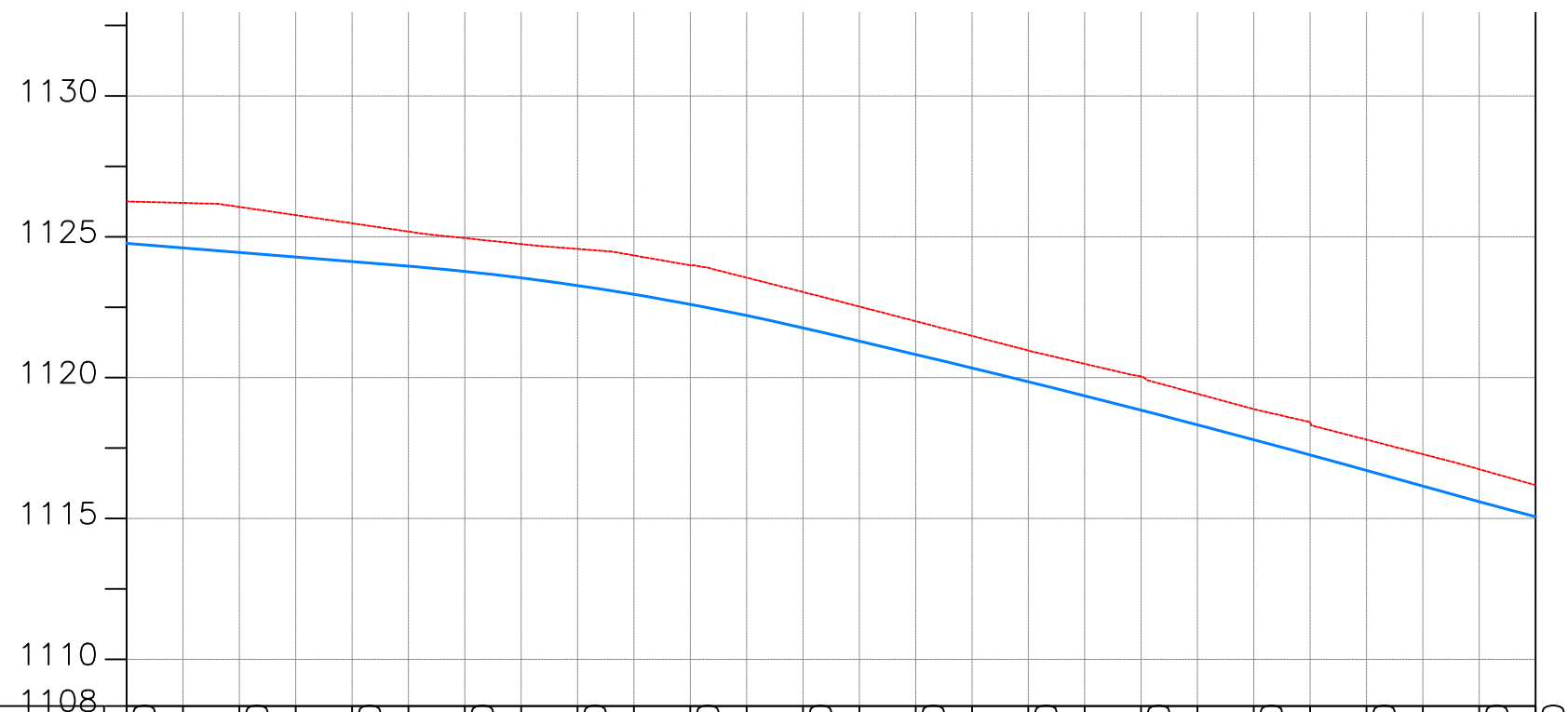
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 27+500.00 - 28+000.00)
Sheet No.: 56	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
28+000	1126.253	OD 280, PN10, uPVC	1124.77
	1126.201		1124.61
28+040	1126.060		1124.44
	1125.768		1124.28
28+080	1125.477		1124.12
	1125.186		1123.96
28+120	1124.952		1123.77
	1124.743		1123.54
28+160	1124.568		1123.27
	1124.339		1122.96
28+200	1123.988		1122.60
	1123.550		1122.20
28+240	1123.041		1121.77
	1122.524		1121.30
28+280	1122.004		1120.82
	1121.483		1120.34
28+320	1120.963		1119.86
	1120.490		1119.36
28+360	1120.041		1118.85
	1119.427		1118.33
28+400	1118.884	1117.80	
	1118.423	1117.25	
28+440	1117.799	1116.70	
	1117.283	1116.15	
28+480	1116.750	1115.60	
28+500	1116.184	1115.06	

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

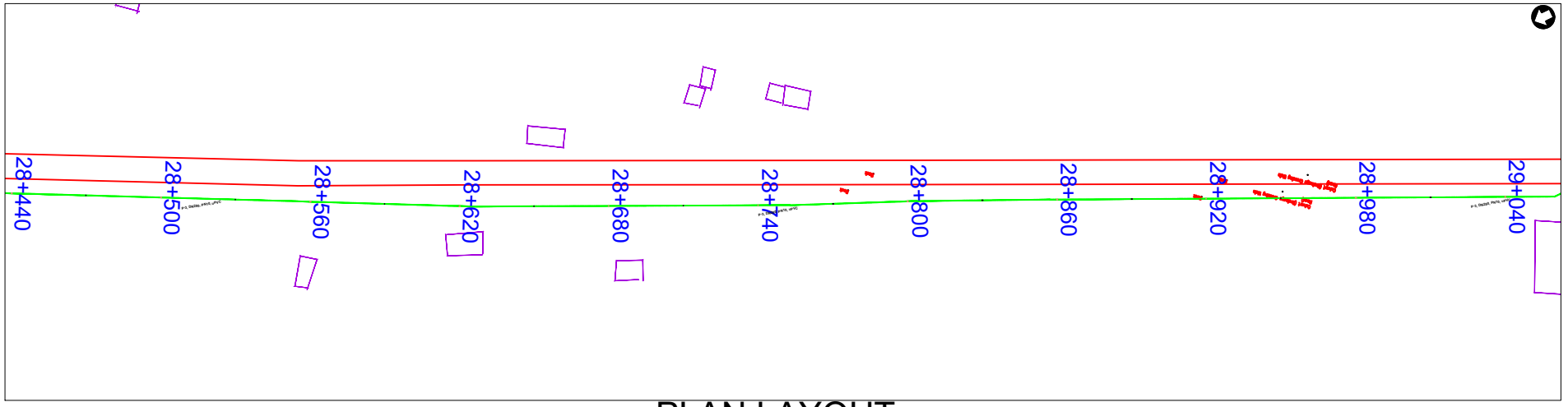
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

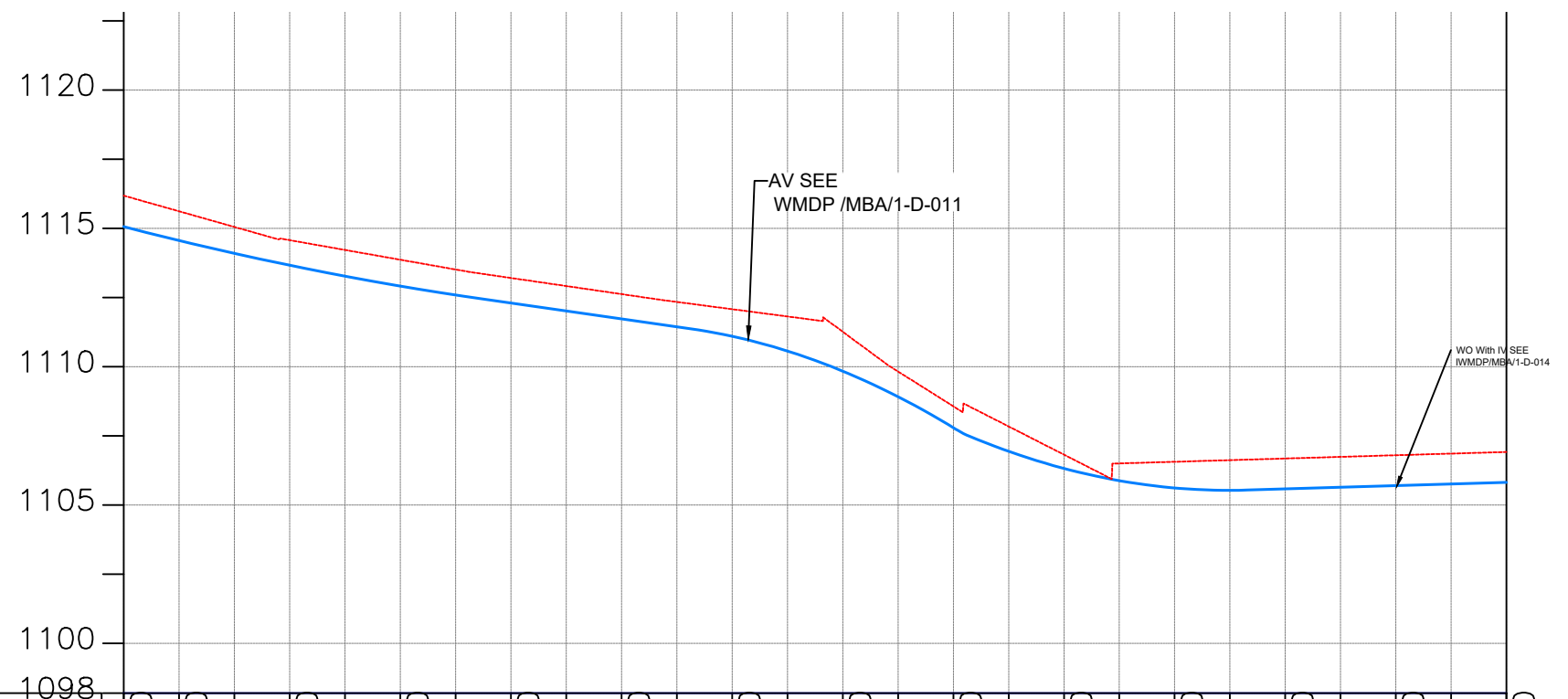
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 28+000.00 - 28+500.00)
Sheet No.: 57	Format: A3



**PLAN LAYOUT**



CHAINAGE	28+500	28+520	28+560	28+600	28+640	28+680	28+720	28+760	28+800	28+840	28+880	28+920	28+960	29+000															
GROUND LEVEL(m)	1116.184	1115.618	1115.053	1114.575	1114.221	1113.868	1113.514	1113.208	1112.916	1112.625	1112.342	1112.079	1111.817	1111.263	1109.825	1108.566	1107.839	1106.820	1106.504	1106.563	1106.622	1106.681	1106.740	1106.800	1106.859	1106.918			
PIPE DETAILS	OD 280, PN10, uPVC																												
PIPE INVERT(m)	1115.06	1114.56	1114.10	1113.67	1113.27	1112.92	1112.59	1112.30	1112.02	1111.73	1111.44	1111.10	1110.57	1109.84	1108.92	1107.80	1106.94	1106.32	1105.88	1105.62	1105.53	1105.58	1105.64	1105.70	1105.76	1105.82			

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

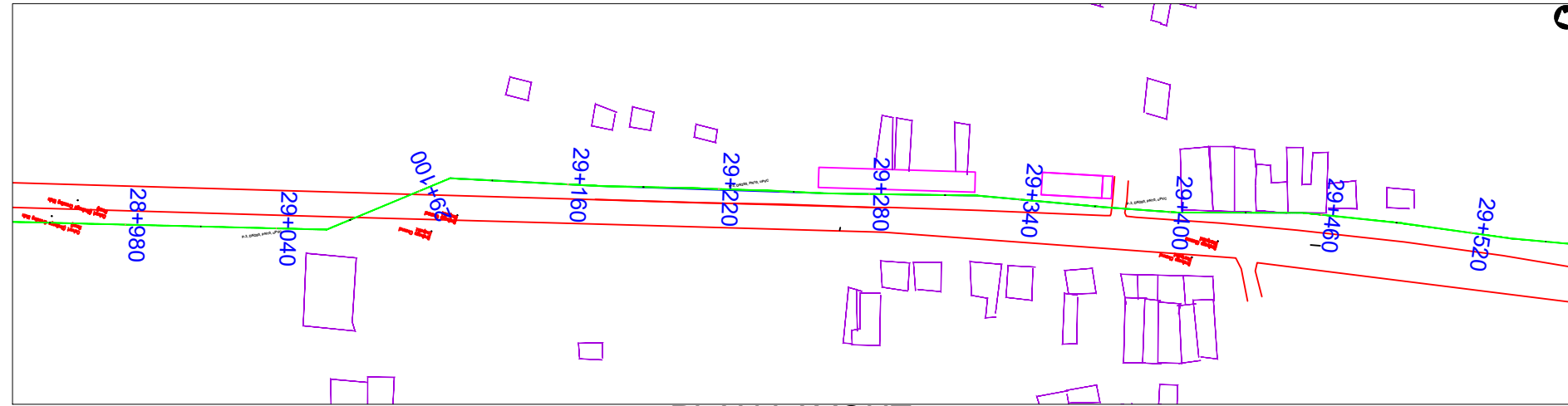
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

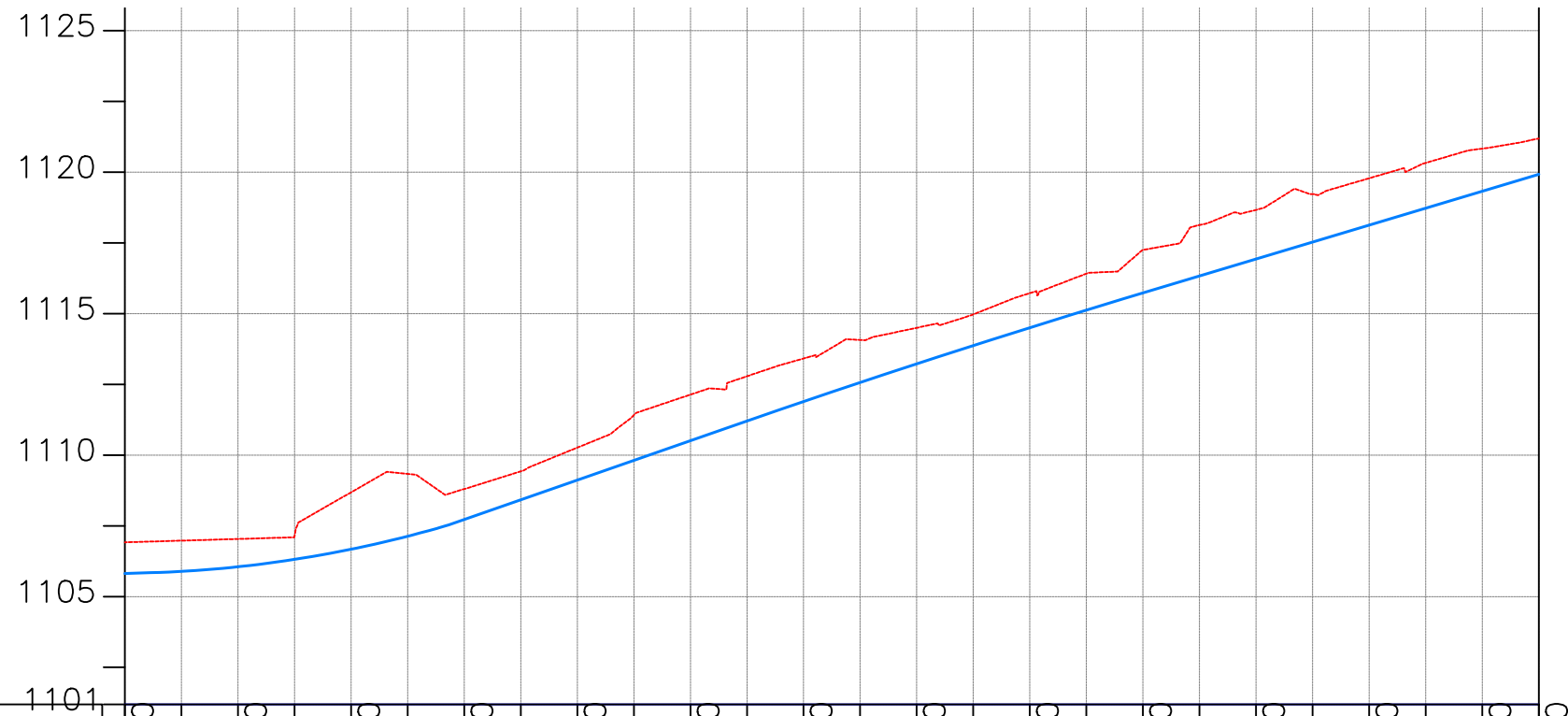
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 28+500.00 - 29+000.00)
Sheet No.: 58	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
29+000	1106.918	OD 280, PN10, uPVC	1105.82
	1106.977		1105.89
29+040	1107.036		1106.05
	1107.137		1106.31
29+080	1108.686		1106.67
	1109.338		1107.13
29+120	1108.801		1107.73
	1109.424		1108.42
29+160	1110.264		1109.12
	1111.411		1109.81
29+200	1112.137		1110.51
	1112.787		1111.21
29+240	1113.414		1111.89
	1114.070		1112.56
29+280	1114.498		1113.22
	1114.972		1113.87
29+320	1115.722		1114.50
	1116.414		1115.12
29+360	1117.251		1115.73
	1118.132		1116.33
29+400	1118.667	1116.93	
	1119.224	1117.53	
29+440	1119.783	1118.13	
	1120.325	1118.73	
29+480	1120.830	1119.33	
29+500	1121.188	1119.93	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

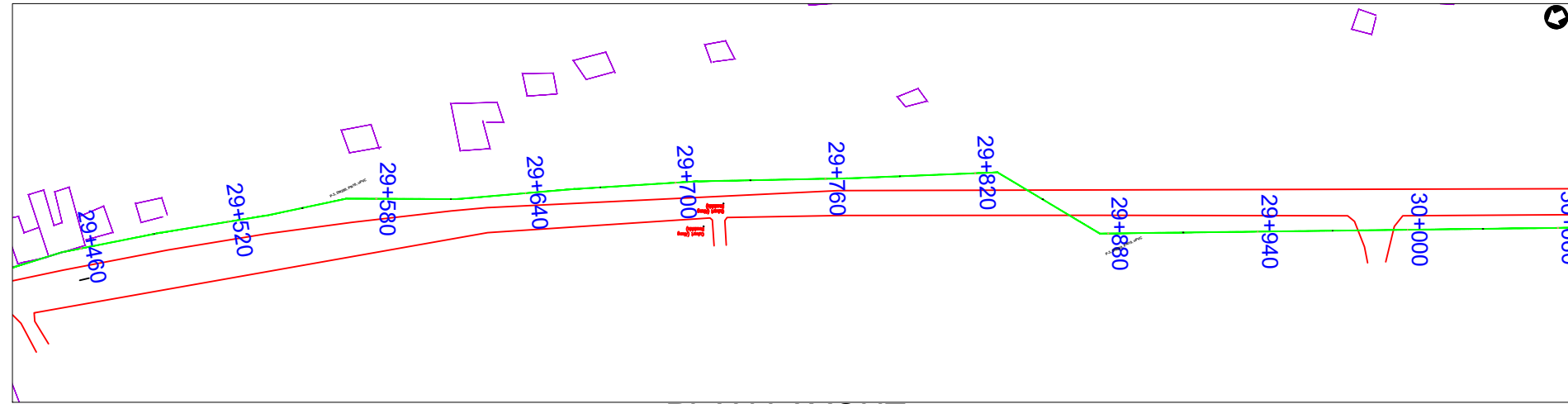


**Drawing Title:**

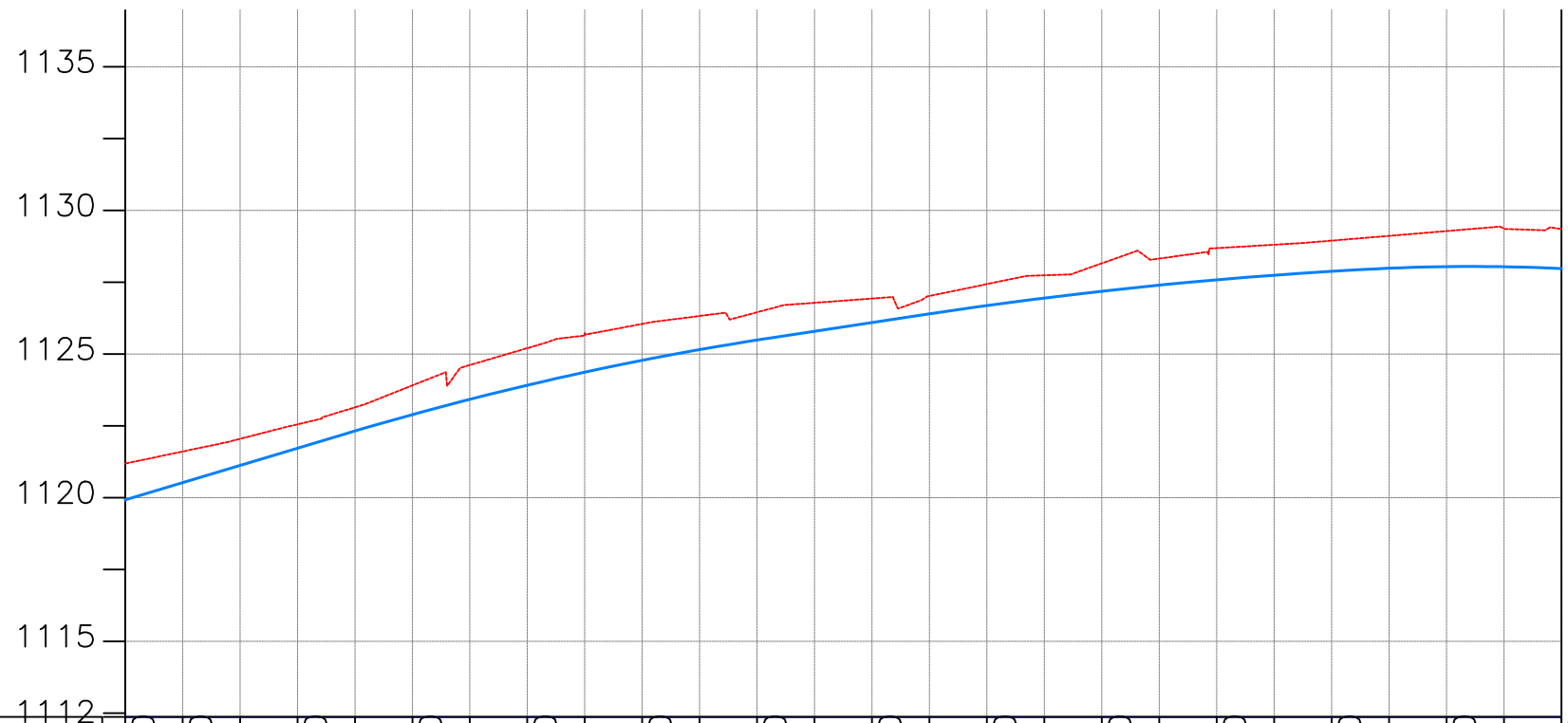
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 29+000.00 - 29+500.00)
Sheet No.: 59	Format: A3





**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
29+500	1121.188	OD 280, PN10, uPVC	1119.93
29+520	1121.608		1120.53
	1122.050		1121.13
29+560	1122.554		1121.72
	1123.146		1122.32
29+600	1123.910		1122.89
	1124.619		1123.42
29+640	1125.207		1123.92
	1125.715		1124.37
29+680	1126.050		1124.78
	1126.327		1125.15
29+720	1126.457		1125.49
	1126.786		1125.79
29+760	1126.933		1126.10
	1127.026		1126.40
29+800	1127.436		1126.69
	1127.743		1126.95
29+840	1128.159	1127.19	
	1128.327	1127.40	
29+880	1128.689	1127.59	
	1128.808	1127.75	
29+920	1128.950	1127.88	
	1129.116	1127.99	
29+960	1129.283	1128.04	
	1129.365	1128.04	
30+000	1129.353		1127.98

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

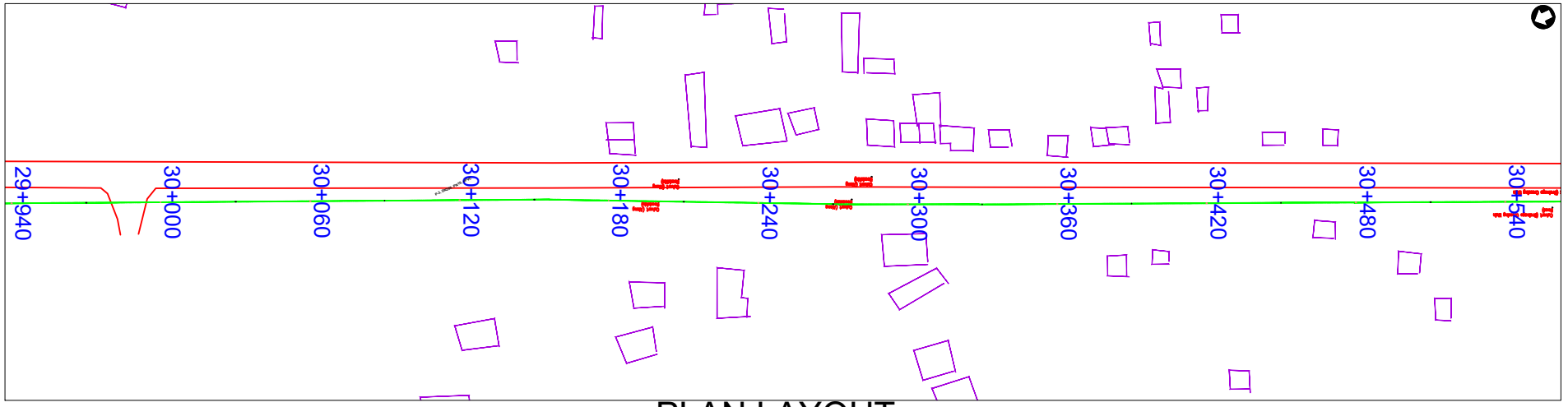
**CONSULTANT:**



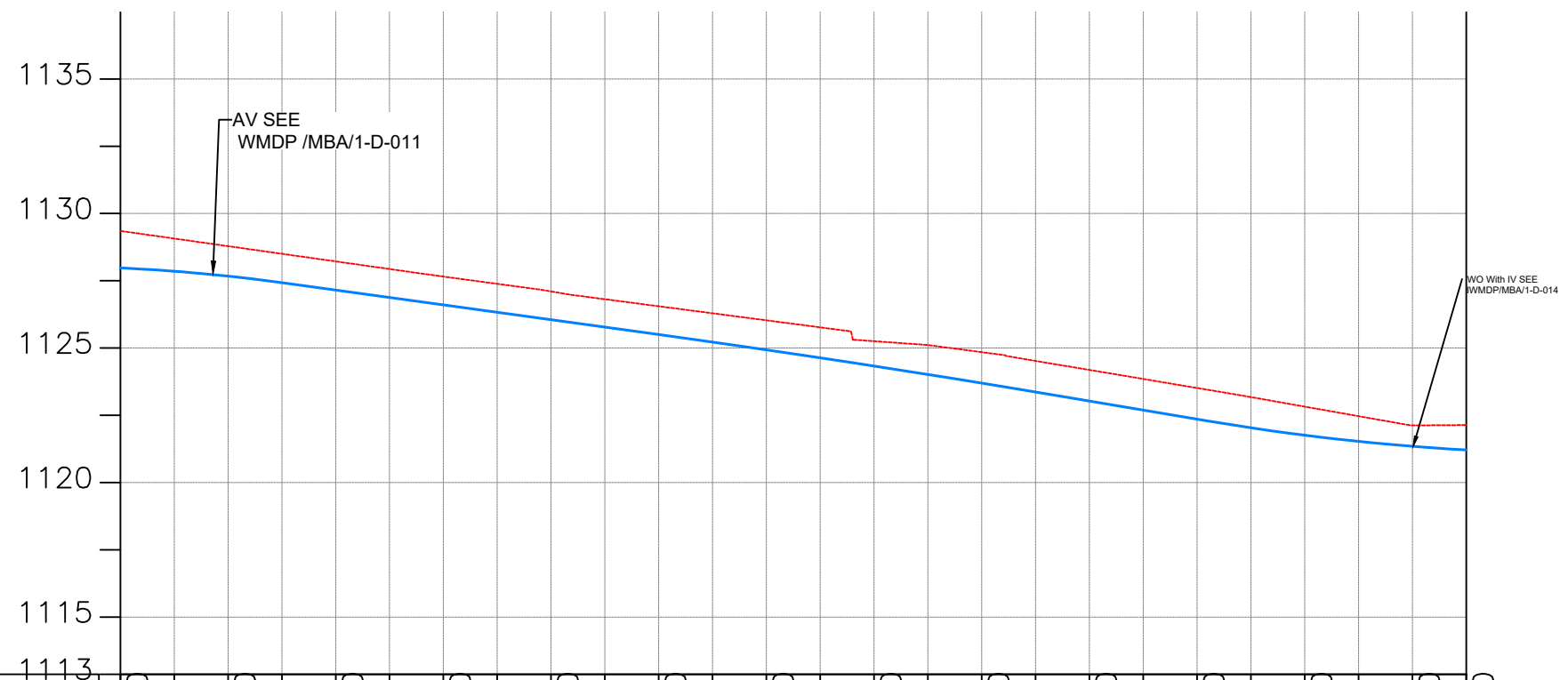
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 29+500.00 - 30+000.00)
Sheet No.: 60	Format: A3



PLAN LAYOUT



CHAINAGE	30+000		30+040		30+080		30+120		30+160		30+200		30+240		30+280		30+320		30+360		30+400		30+440		30+480	30+500		
GROUND LEVEL(m)	1129.353	1129.069	1128.786	1128.503	1128.220	1127.936	1127.657	1127.387	1127.105	1126.815	1126.554	1126.292	1126.031	1125.769	1125.255	1125.113	1124.847	1124.523	1124.187	1123.852	1123.516	1123.177	1122.823	1122.469	1122.125	1122.139		
PIPE DETAILS	OD 280, PN10, uPVC																											
PIPE INVERT(m)	1127.98	1127.85	1127.67	1127.43	1127.15	1126.88	1126.60	1126.33	1126.05	1125.78	1125.50	1125.22	1124.93	1124.64	1124.33	1124.02	1123.70	1123.37	1123.03	1122.70	1122.36	1122.04	1121.76	1121.53	1121.35	1121.21		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

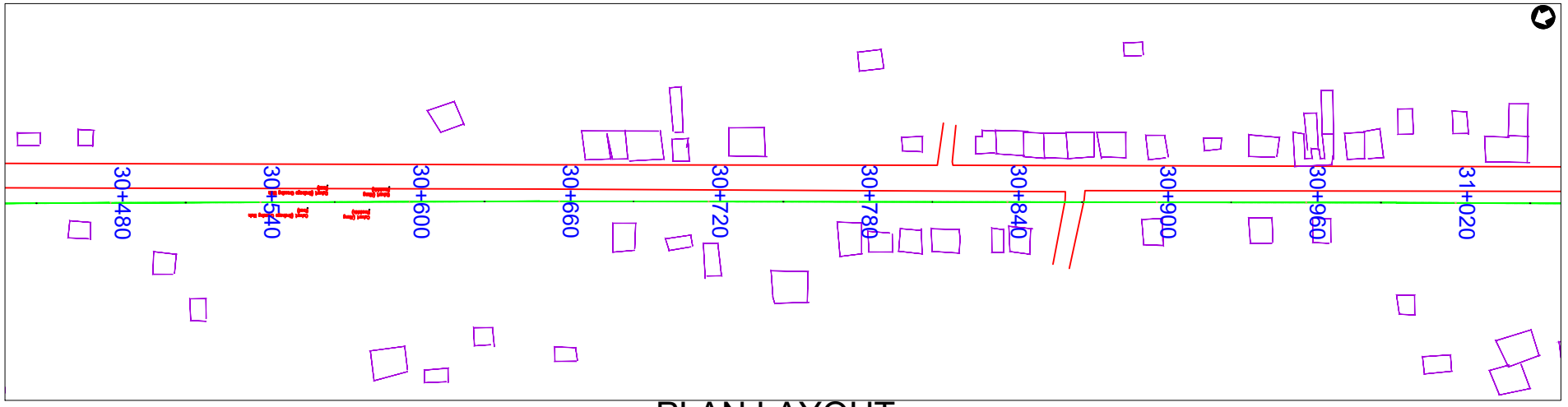
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

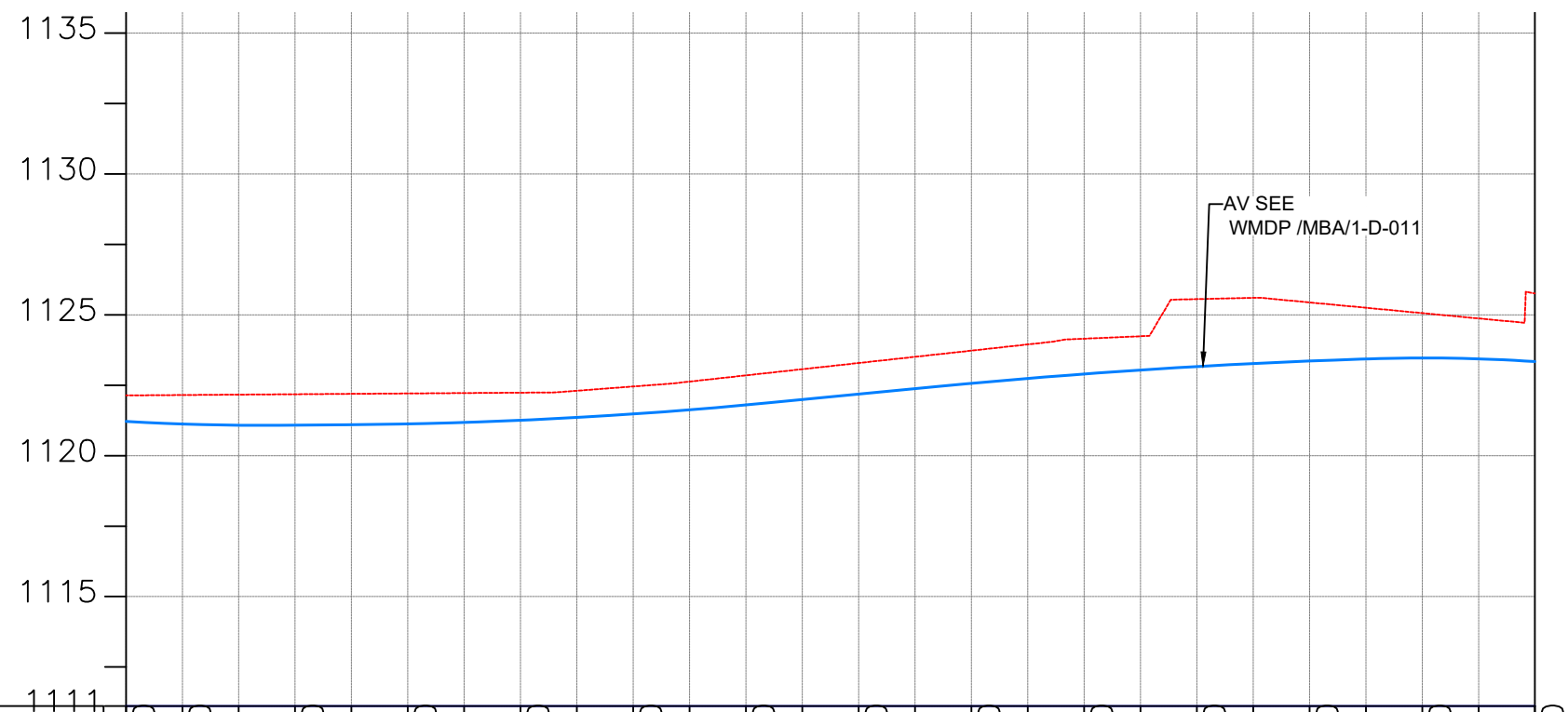
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 30+000.00 - 30+500.00)
Sheet No.: 61	Format: A3



**PLAN LAYOUT**



CHAINAGE	30+500	30+520	30+560	30+600	30+640	30+680	30+720	30+760	30+800	30+840	30+880	30+920	30+960	31+000														
GROUND LEVEL(m)	1122.139	1122.153	1122.167	1122.181	1122.195	1122.209	1122.223	1122.237	1122.305	1122.456	1122.630	1122.850	1123.070	1123.289	1123.509	1123.729	1123.948	1124.152	1124.239	1125.557	1125.602	1125.440	1125.250	1125.060	1124.871	1125.758		
PIPE DETAILS	OD 280, PN10, uPVC																											
PIPE INVERT(m)	1121.21	1121.12	1121.08	1121.08	1121.10	1121.13	1121.18	1121.26	1121.36	1121.48	1121.63	1121.80	1121.99	1122.18	1122.38	1122.57	1122.74	1122.90	1123.04	1123.16	1123.27	1123.36	1123.43	1123.47	1123.44	1123.34		

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MB/W/0.0.0
  4. For Node details, see Dwg. MB/W/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

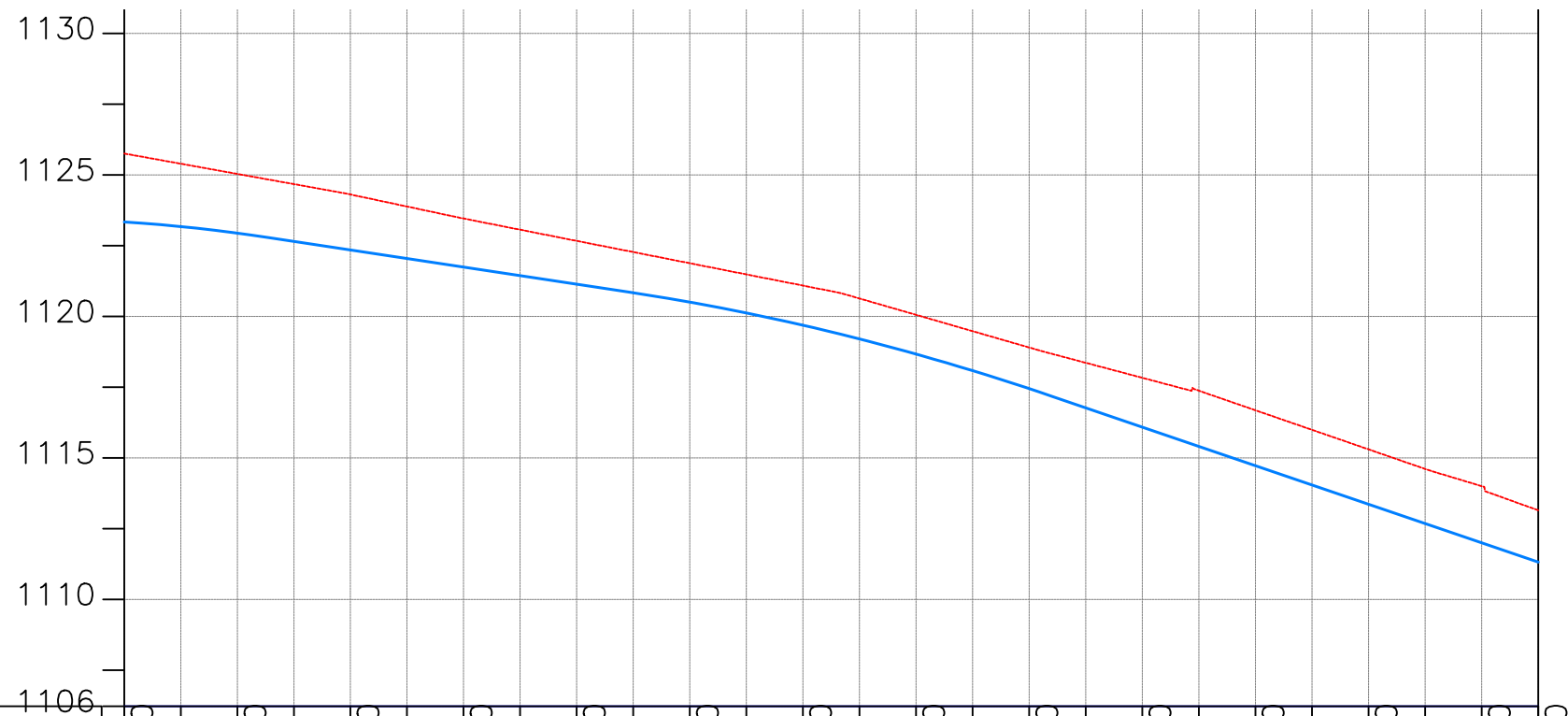
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 30+500.00 - 31+000.00)
Sheet No.: 62	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
31+000	1125.758	OD 280, PN10, uPVC	1123.34
	1125.397		1123.18
31+040	1125.037		1122.94
	1124.677		1122.65
31+080	1124.310		1122.35
	1123.885		1122.05
31+120	1123.461		1121.74
	1123.066		1121.44
31+160	1122.671		1121.14
	1122.276		1120.84
31+200	1121.881		1120.50
	1121.486		1120.12
31+240	1121.091		1119.69
	1120.635		1119.20
31+280	1120.057		1118.67
	1119.480		1118.09
31+320	1118.903		1117.45
	1118.363		1116.77
31+360	1117.833		1116.09
	1117.376		1115.41
31+400	1116.685	1114.73	
	1115.994	1114.04	
31+440	1115.303	1113.36	
	1114.613	1112.68	
31+480	1114.004	1112.00	
31+500	1113.151	1111.32	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

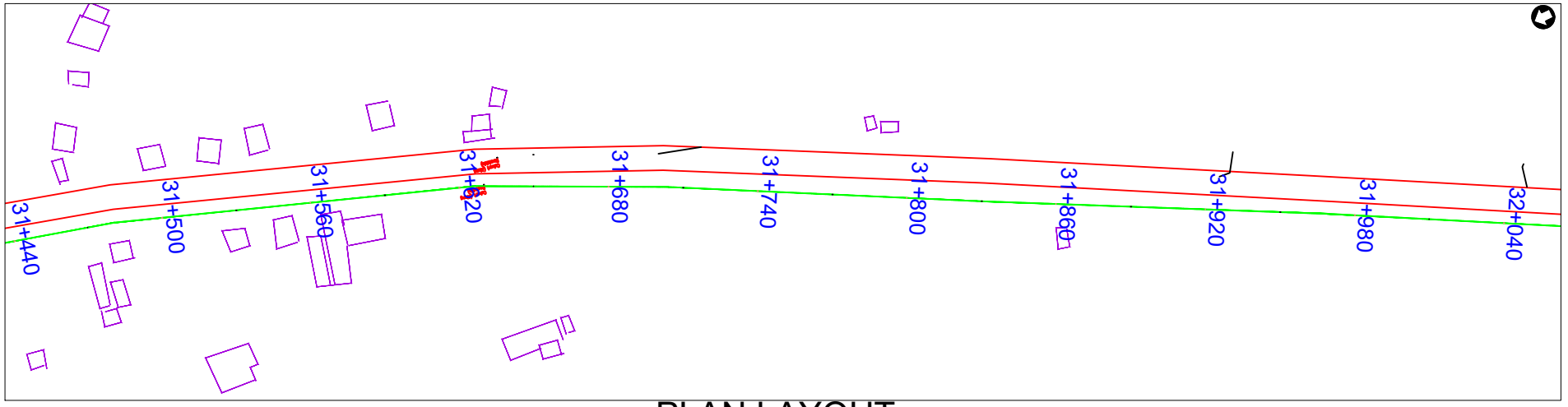
**CONSULTANT:**



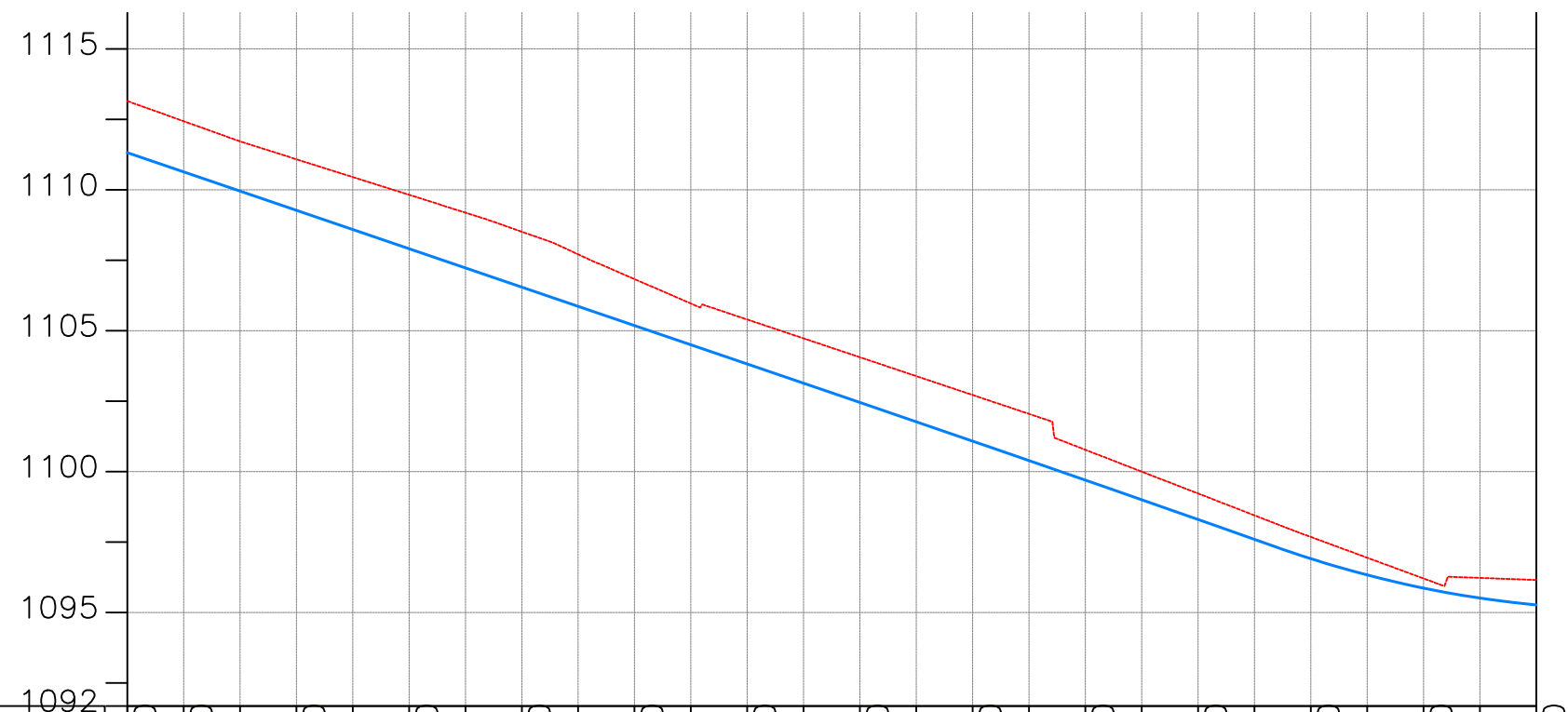
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 31+000.00 - 31+500.00)
Sheet No.: 63	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
31+500	1113.151	OD 280, PN10, uPVC	1111.32
31+520	1112.435		1110.63
	1111.720		1109.95
31+560	1111.086		1109.27
	1110.454		1108.59
31+600	1109.822		1107.91
	1109.191		1107.23
31+640	1108.513		1106.54
	1107.710		1105.86
31+680	1106.831		1105.18
	1105.966		1104.50
31+720	1105.397		1103.82
	1104.727		1103.13
31+760	1104.058		1102.45
	1103.388		1101.77
31+800	1102.718		1101.08
	1102.048		1100.39
31+840	1100.773		1099.69
	1099.998		1099.00
31+880	1099.222		1098.30
	1098.446	1097.59	
31+920	1097.680	1096.91	
	1096.943	1096.33	
31+960	1096.206	1095.86	
	1096.226	1095.51	
32+000	1096.152	1095.27	

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

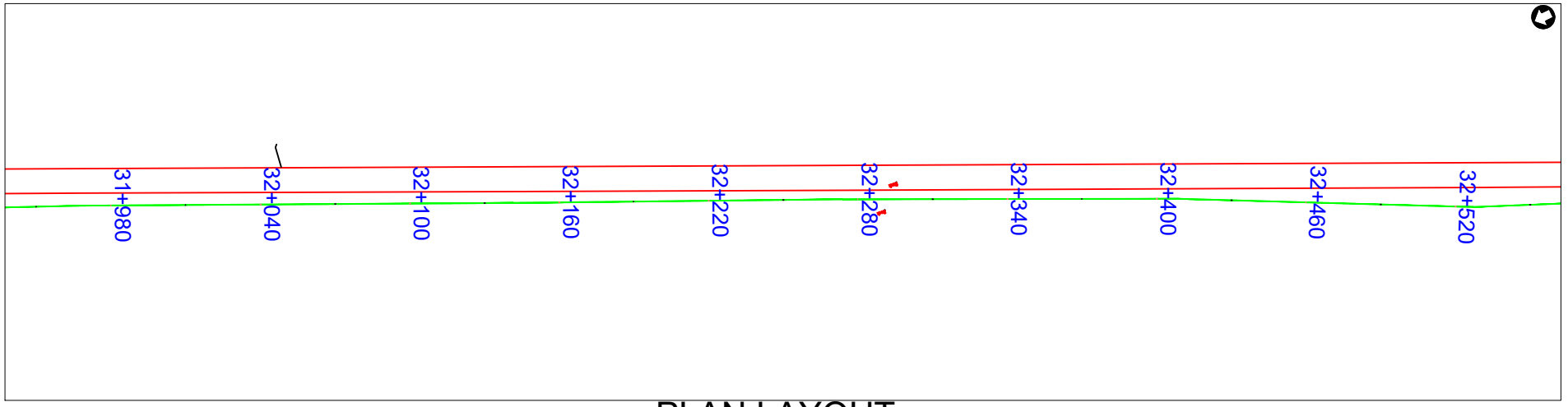
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

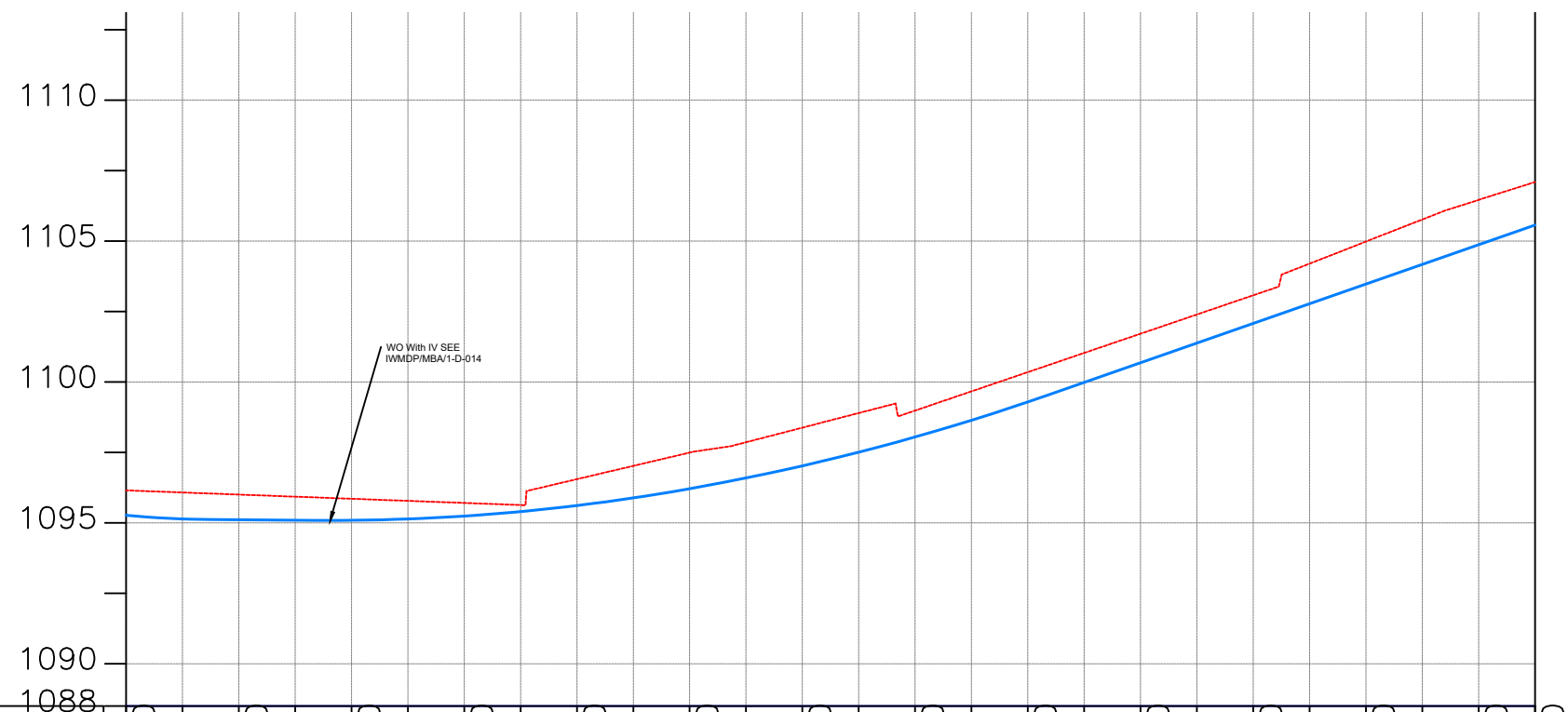
CONSULTANT:

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 31+500.00 - 32+000.00)
Sheet No.: 64	Format: A3



**PLAN LAYOUT**



CHAINAGE	32+000		32+040		32+080		32+120		32+160		32+200		32+240		32+280		32+320		32+360		32+400		32+440		32+480	32+500		
GROUND LEVEL(m)	1096.152	1096.078	1096.004	1095.929	1095.855	1095.781	1095.707	1095.632	1096.551	1097.022	1097.494	1097.861	1098.379	1098.897	1098.985	1099.667	1100.348	1101.030	1101.712	1102.394	1103.076	1104.200	1104.984	1105.768	1106.462	1107.097		
PIPE DETAILS	OD 280, PN10, uPVC																											
PIPE INVERT(m)	1095.27	1095.14	1095.11	1095.10	1095.09	1095.14	1095.24	1095.40	1095.62	1095.89	1096.21	1096.59	1097.02	1097.51	1098.05	1098.64	1099.29	1099.98	1100.68	1101.38	1102.08	1102.78	1103.47	1104.17	1104.87	1105.57		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- = Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

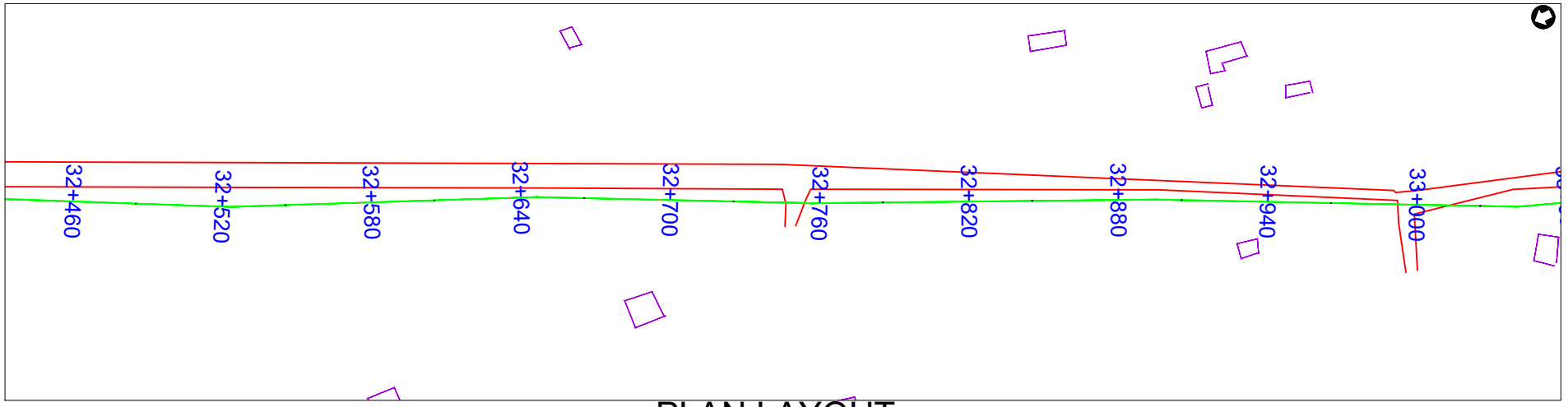
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

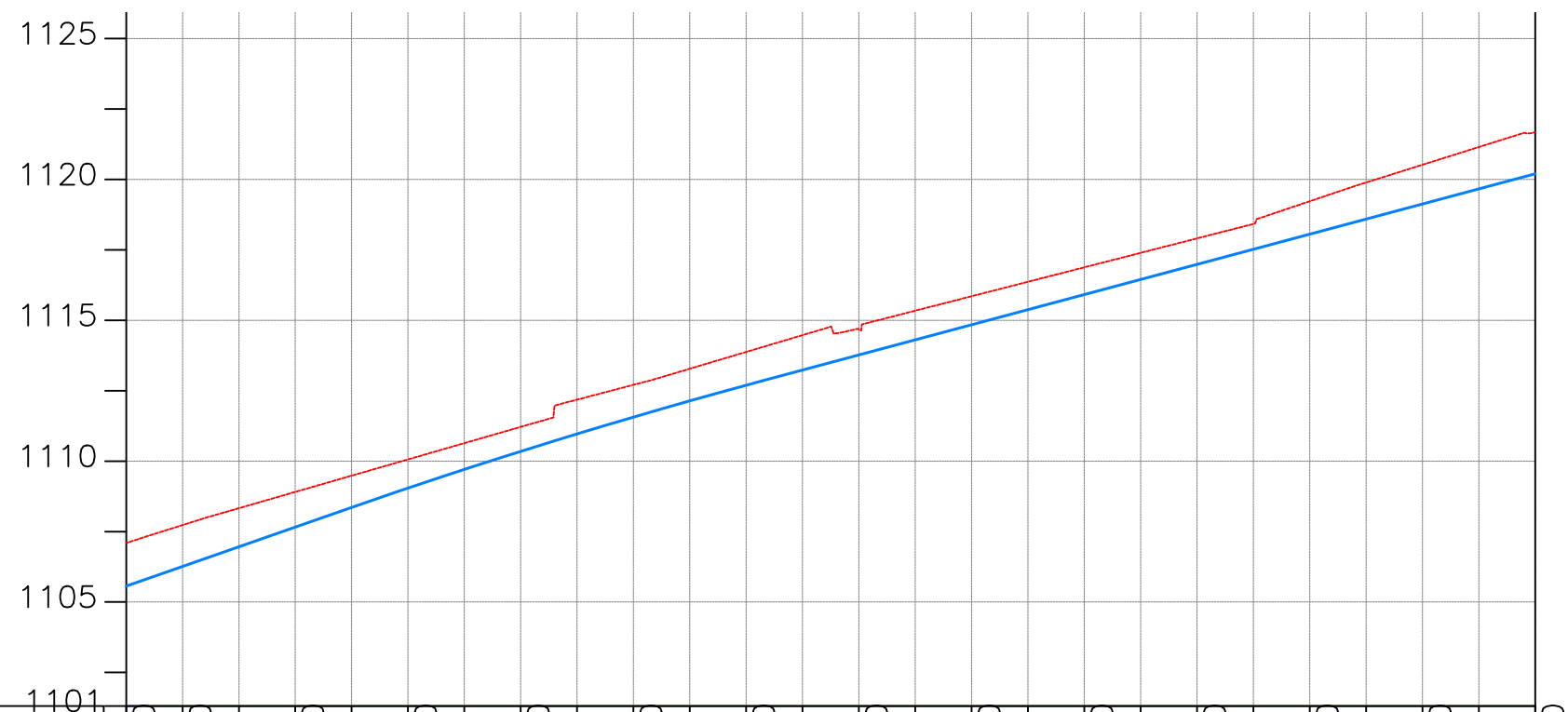
**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 32+000.00 - 32+500.00)
Sheet No.: 65	Format: A3





**PLAN LAYOUT**



CHAINAGE	32+500	32+520	32+560	32+600	32+640	32+680	32+720	32+760	32+800	32+840	32+880	32+920	32+960	33+000														
GROUND LEVEL(m)	1107.097	1107.732	1108.330	1108.908	1109.485	1110.062	1110.639	1111.216	1112.183	1112.708	1113.280	1113.876	1114.472	1114.677	1115.339	1115.852	1116.366	1116.879	1117.392	1117.905	1118.418	1119.224	1119.889	1120.518	1121.147	1121.675		
PIPE DETAILS	OD 280, PN10, uPVC																											
PIPE INVERT(m)	1105.57	1106.27	1106.96	1107.66	1108.36	1109.04	1109.71	1110.35	1110.97	1111.56	1112.14	1112.69	1113.23	1113.77	1114.30	1114.84	1115.37	1115.91	1116.45	1116.98	1117.52	1118.05	1118.59	1119.13	1119.66	1120.20		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

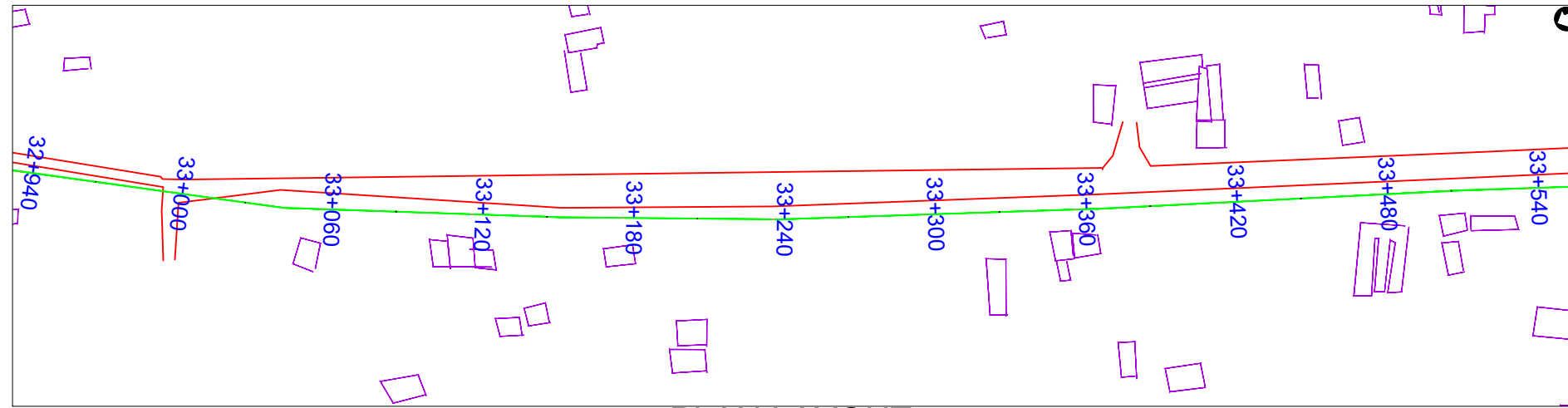
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

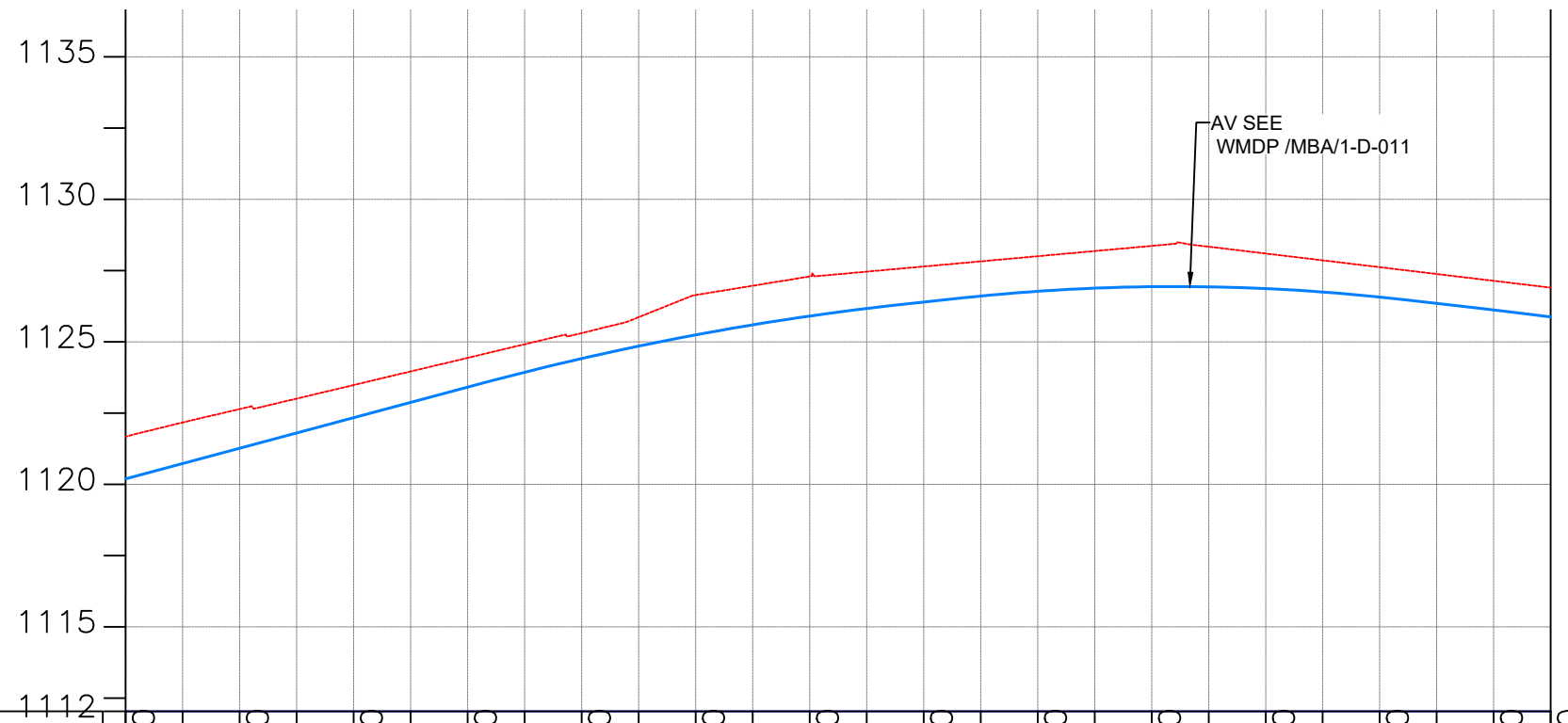
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 32+500.00 - 33+000.00)
Sheet No.: 66	Format: A3



PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
33+000	1121.675	OD 280, PN10, uPVC	1120.20
	1122.173		1120.73
33+040	1122.643		1121.27
	1123.010		1121.80
33+080	1123.487		1122.34
	1123.963		1122.88
33+120	1124.440		1123.41
	1124.917		1123.93
33+160	1125.309		1124.41
	1125.868		1124.85
33+200	1126.645		1125.25
	1126.970		1125.60
33+240	1127.295		1125.91
	1127.465		1126.17
33+280	1127.645		1126.40
	1127.826	1126.61	
33+320	1128.007	1126.78	
	1128.187	1126.88	
33+360	1128.368	1126.94	
	1128.340	1126.93	
33+400	1128.101	1126.87	
	1127.861	1126.75	
33+440	1127.622	1126.57	
	1127.382	1126.35	
33+480	1127.143	1126.12	
33+500	1126.906	1125.88	

AMENDMENTS

No	Date	Revision

NOTES

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

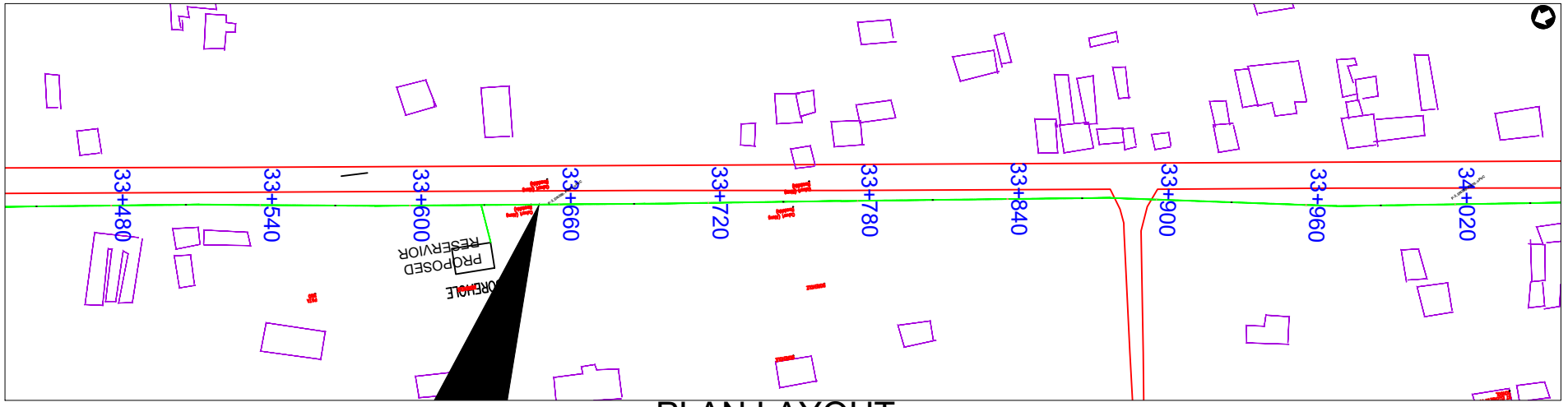
CONSULTANT:



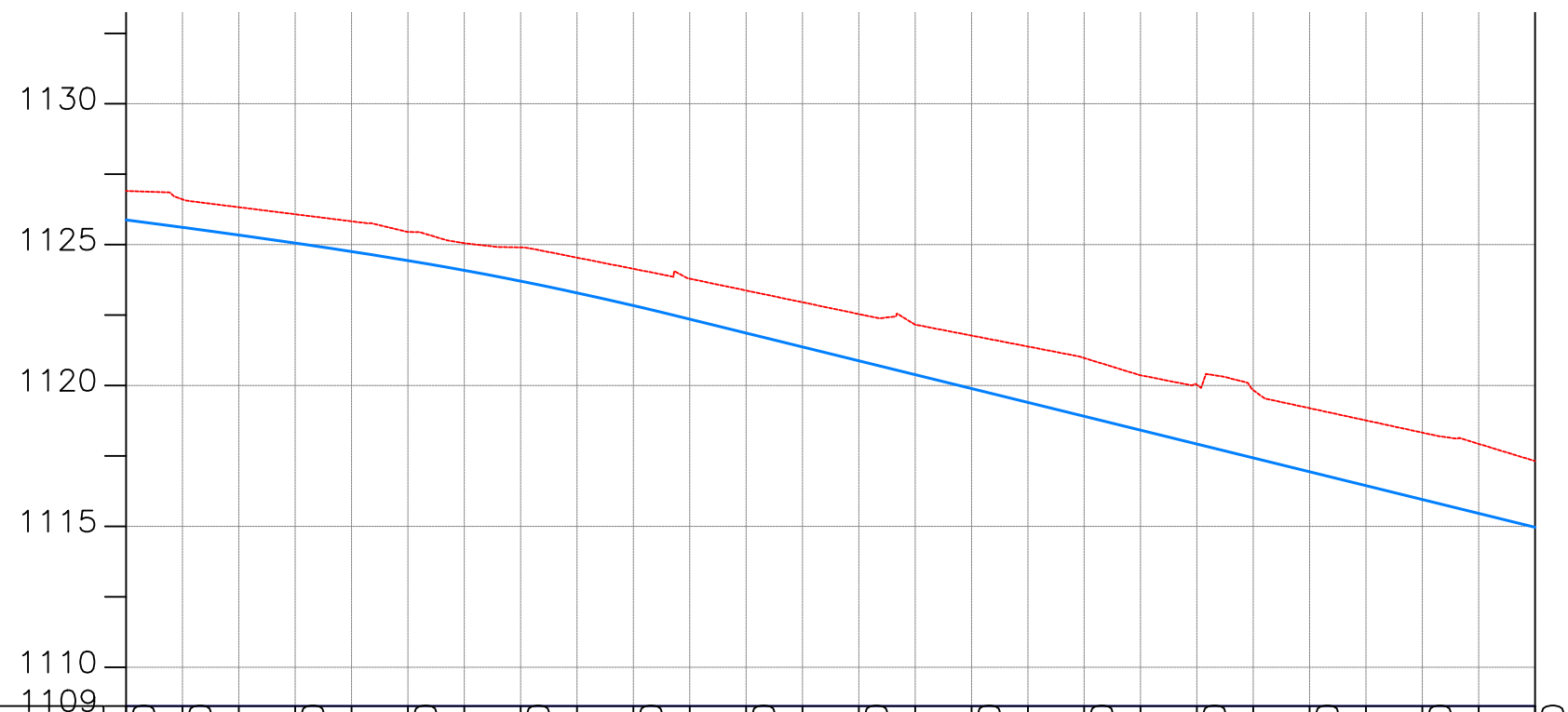
Drawing Title:

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 33+000.00 - 33+500.00)
Sheet No.: 67	Format: A3



PLAN LAYOUT



CHAINAGE	33+500	33+520	33+560	33+600	33+640	33+680	33+720	33+760	33+800	33+840	33+880	33+920	33+960	34+000												
GROUND LEVEL(m)	1126.906	1126.608	1126.329	1126.079	1125.829	1125.452	1125.054	1124.903	1124.540	1124.143	1123.792	1123.374	1122.956	1122.538	1122.162	1121.774	1121.386	1120.976	1120.365	1120.020	1119.837	1119.196	1118.762	1118.328	1117.930	1117.318
PIPE DETAILS	OD 280, PN10, uPVC																									
PIPE INVERT(m)	1125.88	1125.62	1125.34	1125.05	1124.75	1124.44	1124.09	1123.70	1123.29	1122.84	1122.36	1121.86	1121.37	1120.88	1120.39	1119.89	1119.40	1118.91	1118.42	1117.93	1117.43	1116.94	1116.45	1115.96	1115.46	1114.97

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

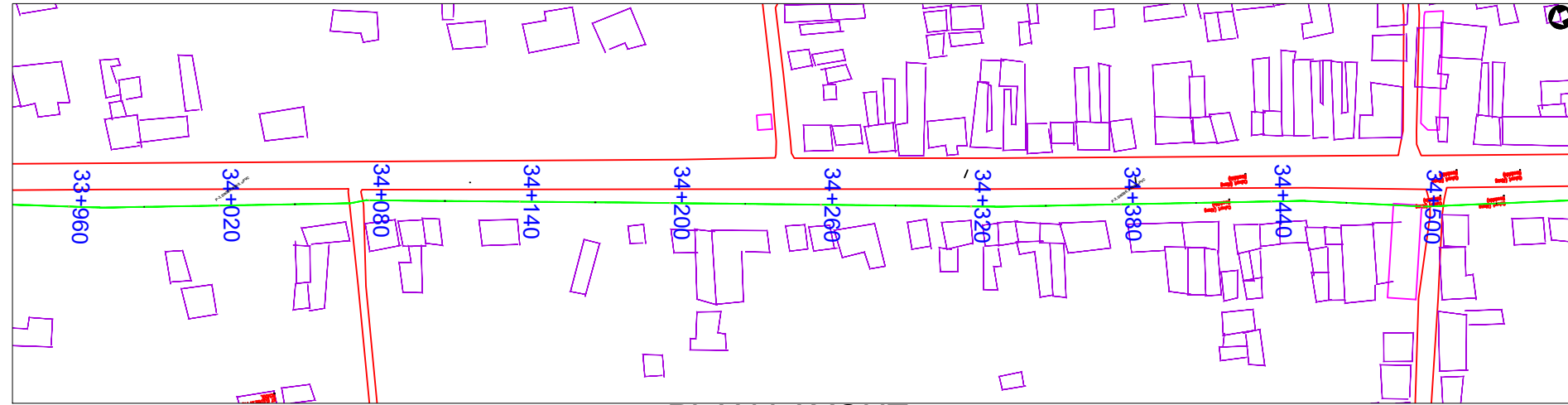
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

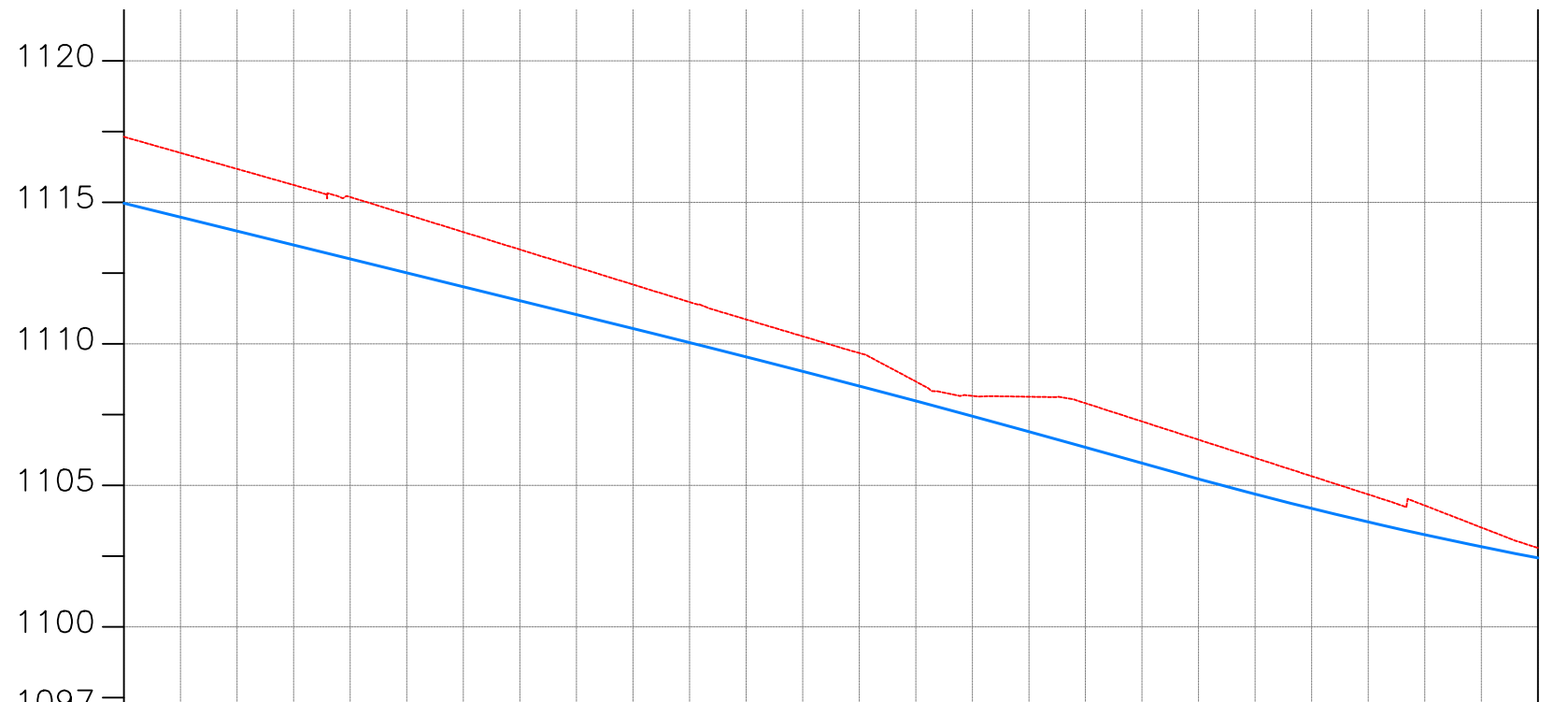
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 33+500.00 - 34+000.00)
Sheet No.: 68	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
34+000	1117.318	OD 280, PN10, uPVC	1114.97
34+040	1116.747		1114.48
34+080	1116.180		1113.99
34+120	1115.613		1113.49
34+160	1115.188		1113.00
34+200	1114.569		1112.51
34+240	1113.951		1112.02
34+280	1113.332		1111.52
34+320	1112.714		1111.03
34+360	1112.095		1110.54
34+400	1111.477		1110.04
34+440	1110.863		1109.54
34+480	1110.266		1109.03
34+500	1109.675		1108.51
	1108.668		1107.98
	1108.161		1107.44
	1108.130	1106.90	
	1107.901	1106.34	
	1107.256	1105.78	
	1106.611	1105.22	
	1105.967	1104.69	
	1105.322	1104.18	
	1104.677	1103.70	
	1104.286	1103.25	
	1103.510	1102.83	
	1102.792	1102.43	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

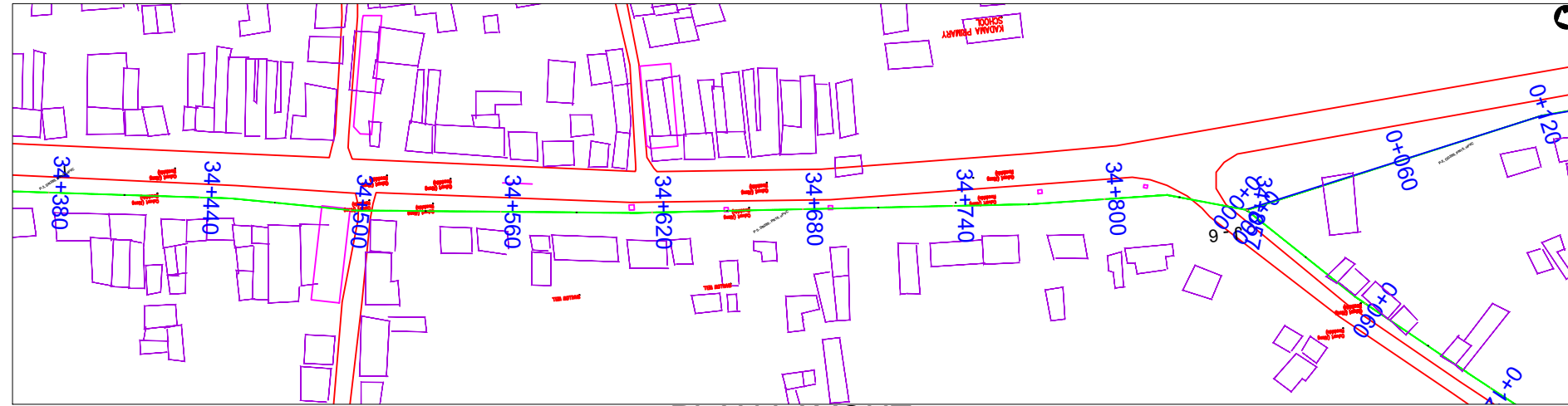
**CONSULTANT:**



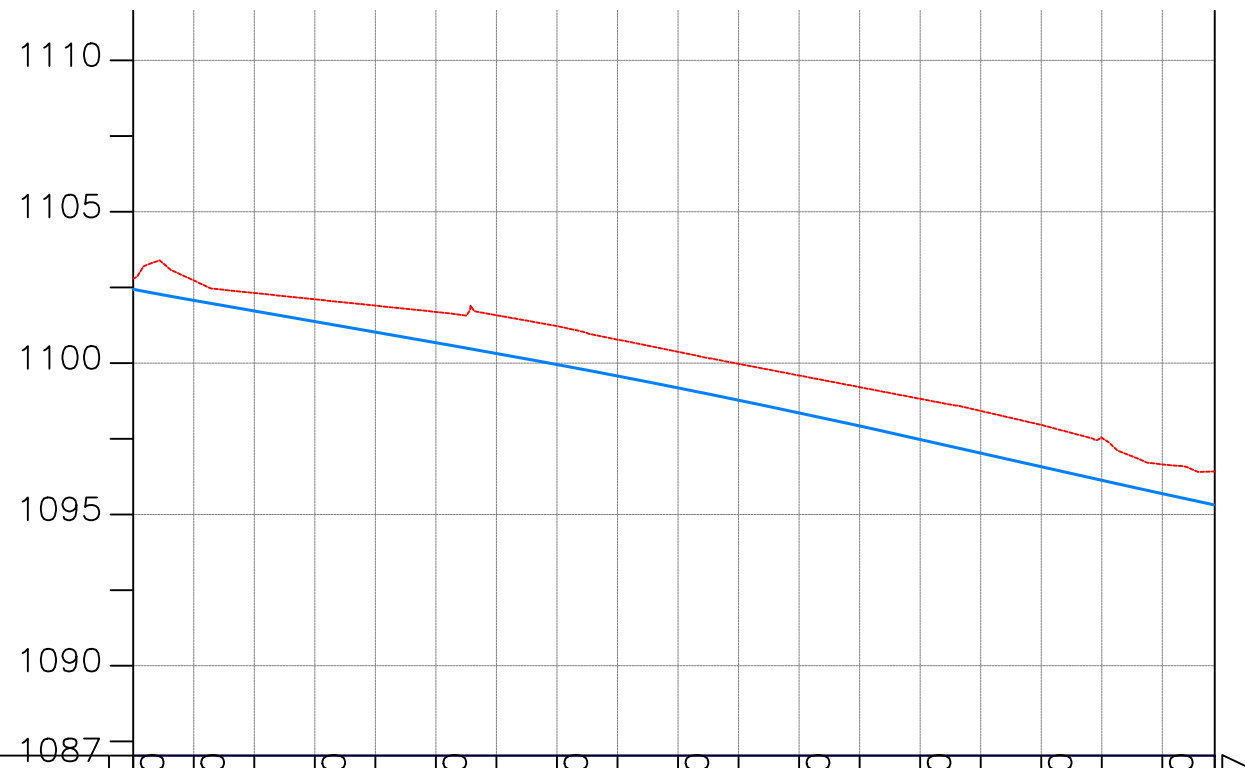
**Drawing Title:**

TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 34+000.00 - 34+500.00)
Sheet No.: 69	Format: A3



**PLAN LAYOUT**



CHAINAGE	34+500	34+520		34+560		34+600		34+640		34+680		34+720		34+760		34+800		34+840	34+857
GROUND LEVEL(m)	1102.792	1102.728	1102.314	1102.106	1101.897	1101.689	1101.580	1101.222	1100.777	1100.374	1099.975	1099.590	1099.204	1098.819	1098.420	1097.957	1097.531	1096.651	1096.420
PIPE DETAILS	OD 280, PN10, uPVC																		
PIPE INVERT(m)	1102.43	1102.07	1101.72	1101.37	1101.02	1100.67	1100.32	1099.95	1099.57	1099.18	1098.77	1098.35	1097.92	1097.47	1097.02	1096.57	1096.13	1095.69	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MB/W/0.0.0
4. For Node details, see Dwg. MB/W/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

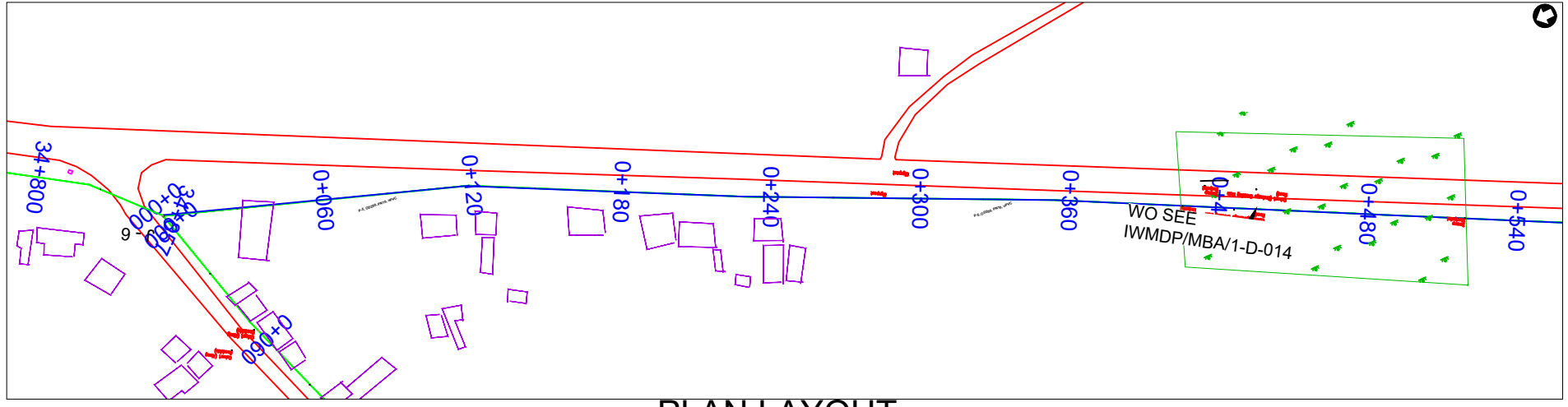


**Drawing Title:**

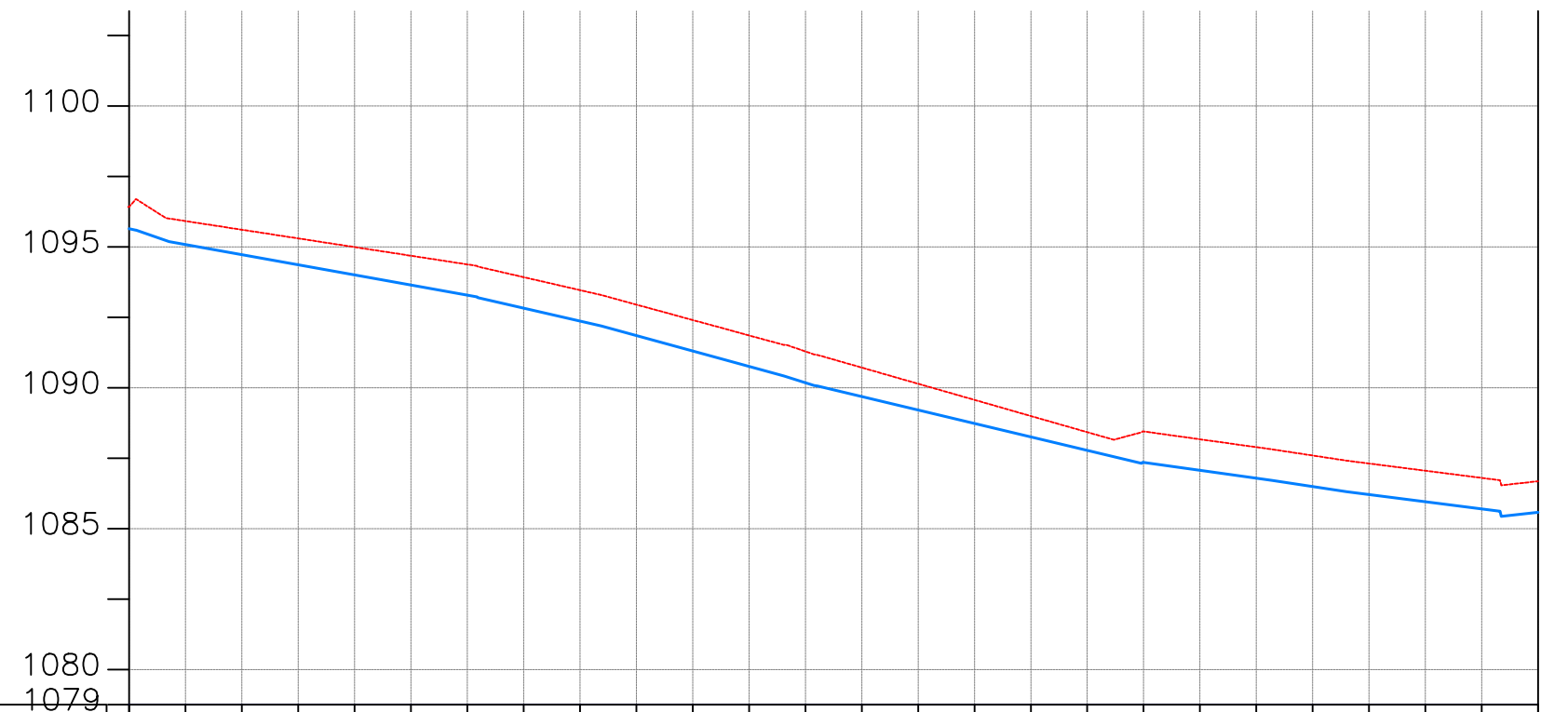
TRANSMISSION LINE TO SMALL TOWNS

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: August 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL_RGCs (CH 34+500.00 - 34+857.37)
Sheet No.: 70	Format: A3





**PLAN LAYOUT**



CHAINAGE	0+000		0+040		0+080		0+120		0+160		0+200		0+240		0+280		0+320		0+360		0+400		0+440		0+480	0+500		
GROUND LEVEL(m)	1096.420	1095.918	1095.610	1095.303	1094.995	1094.688	1094.380	1093.927	1093.466	1092.952	1092.405	1091.859	1091.291	1090.717	1090.144	1089.571	1088.998	1088.425	1088.452	1088.173	1087.894	1087.597	1087.313	1087.058	1086.802	1086.684		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1095.64	1095.08	1094.73	1094.37	1094.01	1093.65	1093.29	1092.83	1092.37	1091.85	1091.31	1090.76	1090.18	1089.69	1089.21	1088.74	1088.26	1087.78	1087.35	1087.07	1086.79	1086.50	1086.21	1085.96	1085.70	1085.58		

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- = Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

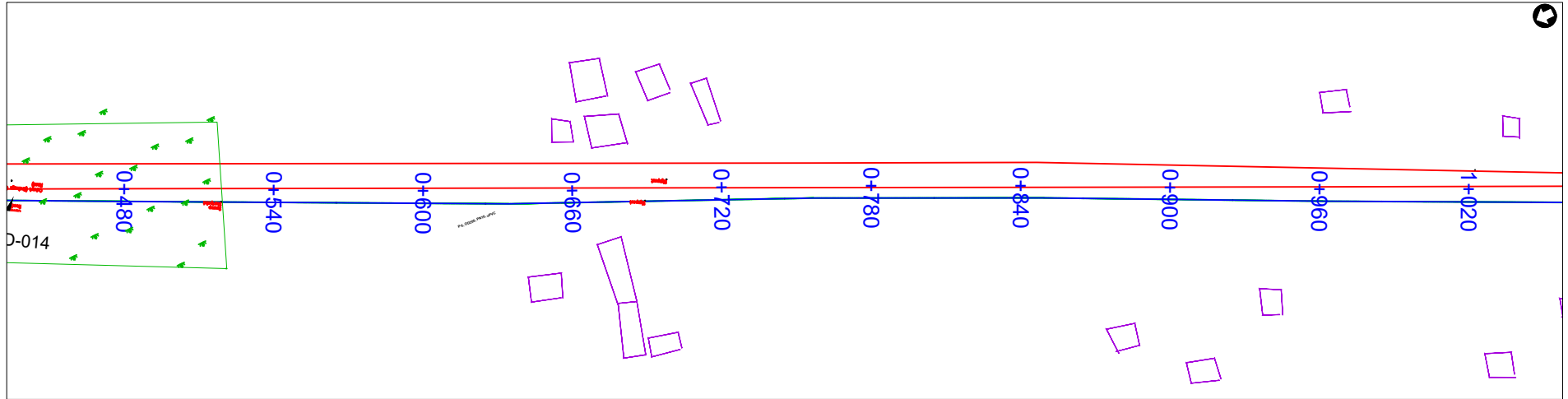
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

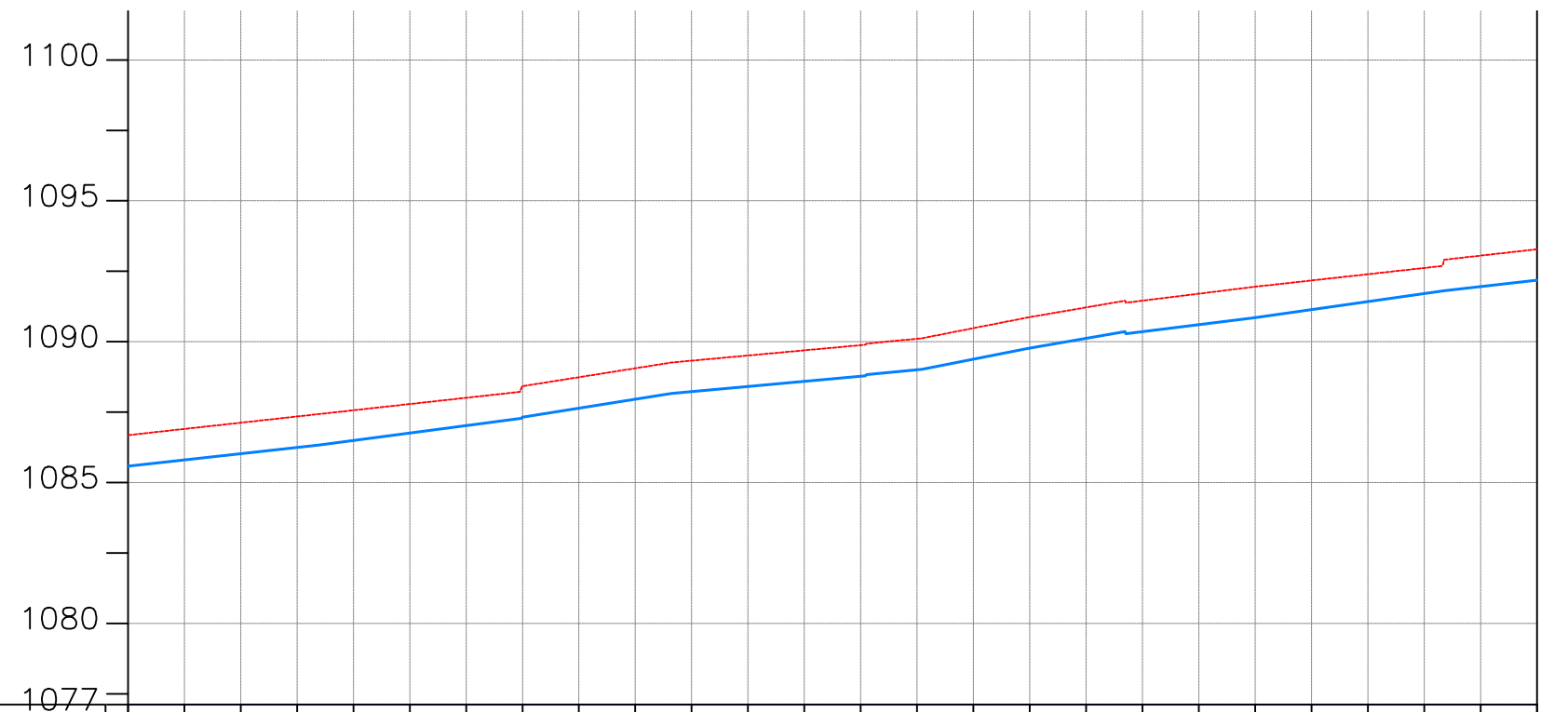
**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 0+000.00 - 0+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 0+000.00 - 0+500.00)	
Sheet No.: 1	Format: A3





**PLAN LAYOUT**



CHAINAGE	0+500	0+520		0+560		0+600		0+640		0+680		0+720		0+760		0+800		0+840		0+880		0+920		0+960		1+000		
GROUND LEVEL(m)	1086.684	1086.905	1087.126	1087.347	1087.568	1087.789	1088.010	1088.423	1088.740	1089.057	1089.327	1089.511	1089.694	1089.877	1090.106	1090.481	1090.872	1091.218	1091.457	1091.705	1091.952	1092.174	1092.396	1092.618	1093.056	1093.282		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1085.58	1085.80	1086.03	1086.25	1086.49	1086.76	1087.02	1087.32	1087.64	1087.96	1088.23	1088.41	1088.59	1088.78	1089.01	1089.38	1089.77	1090.12	1090.36	1090.60	1090.85	1091.14	1091.42	1091.71	1091.96	1092.18		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

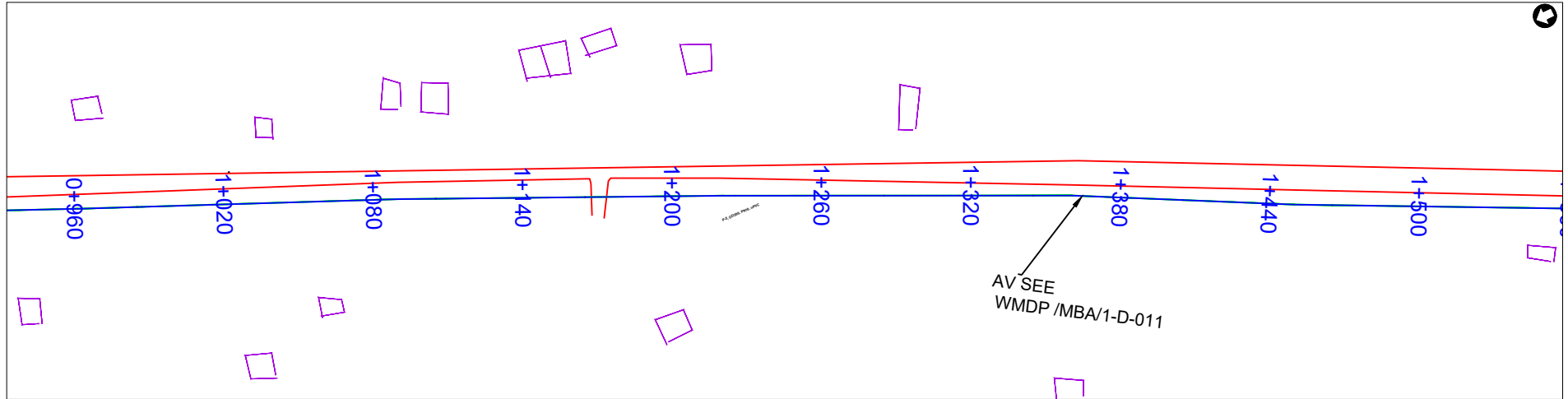
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

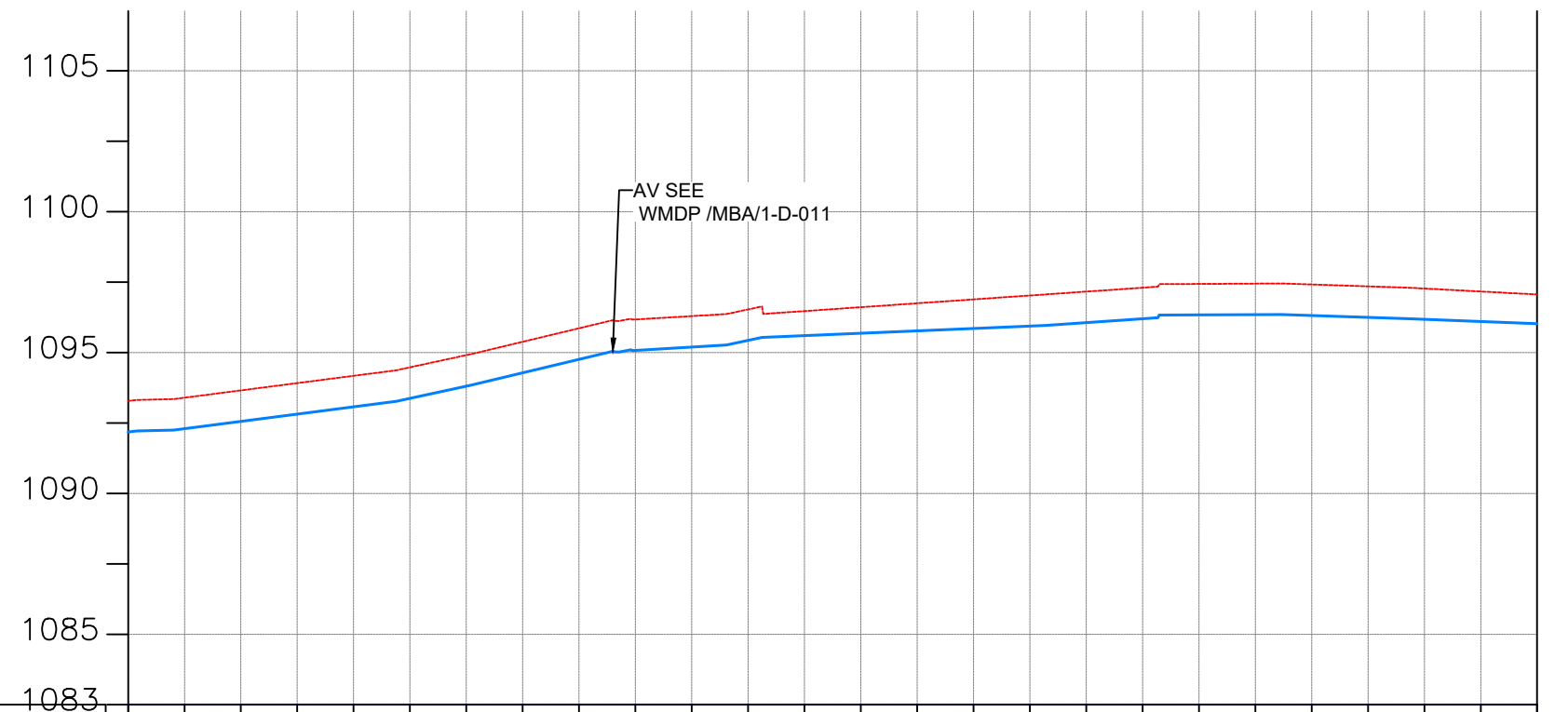
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 0+500.00 - 1+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 0+500.00 - 1+000.00)	Sheet No.: 2
Format: A3	



**PLAN LAYOUT**



CHAINAGE	1+000		1+040		1+080		1+120		1+160		1+200		1+240		1+280		1+320		1+360		1+400		1+440		1+480	1+500		
GROUND LEVEL(m)	1093.282	1093.397	1093.655	1093.914	1094.173	1094.474	1094.906	1095.381	1095.860	1096.174	1096.292	1096.529	1096.470	1096.609	1096.747	1096.885	1097.023	1097.162	1097.300	1097.434	1097.445	1097.414	1097.347	1097.271	1097.165	1097.060		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1092.18	1092.30	1092.56	1092.81	1093.07	1093.37	1093.81	1094.28	1094.76	1095.07	1095.19	1095.43	1095.60	1095.68	1095.77	1095.85	1095.94	1096.06	1096.20	1096.33	1096.34	1096.31	1096.25	1096.18	1096.10	1096.02		

**AMENDMENTS**

No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- = Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

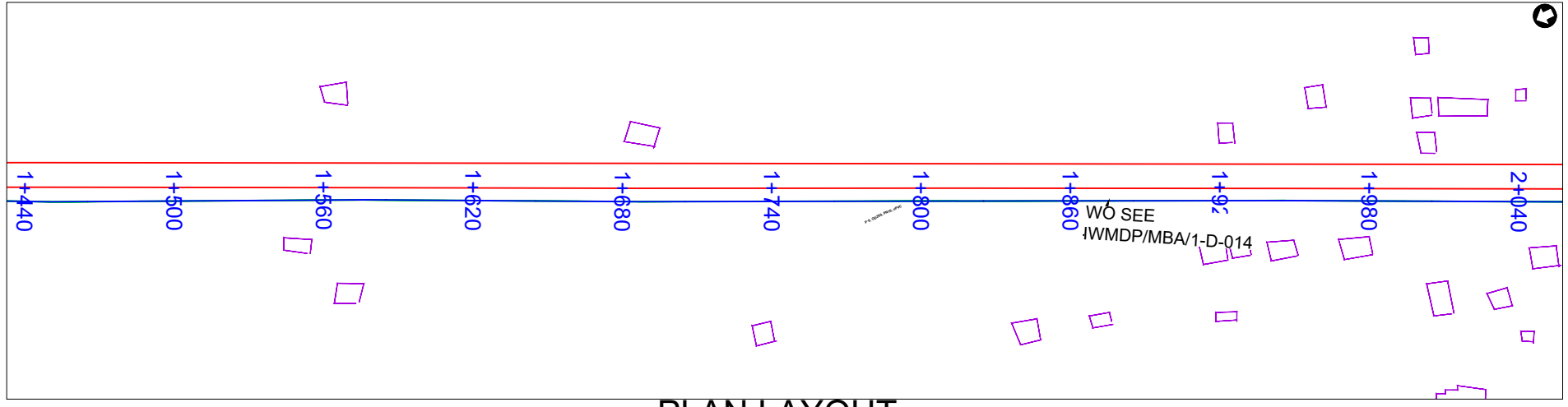
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

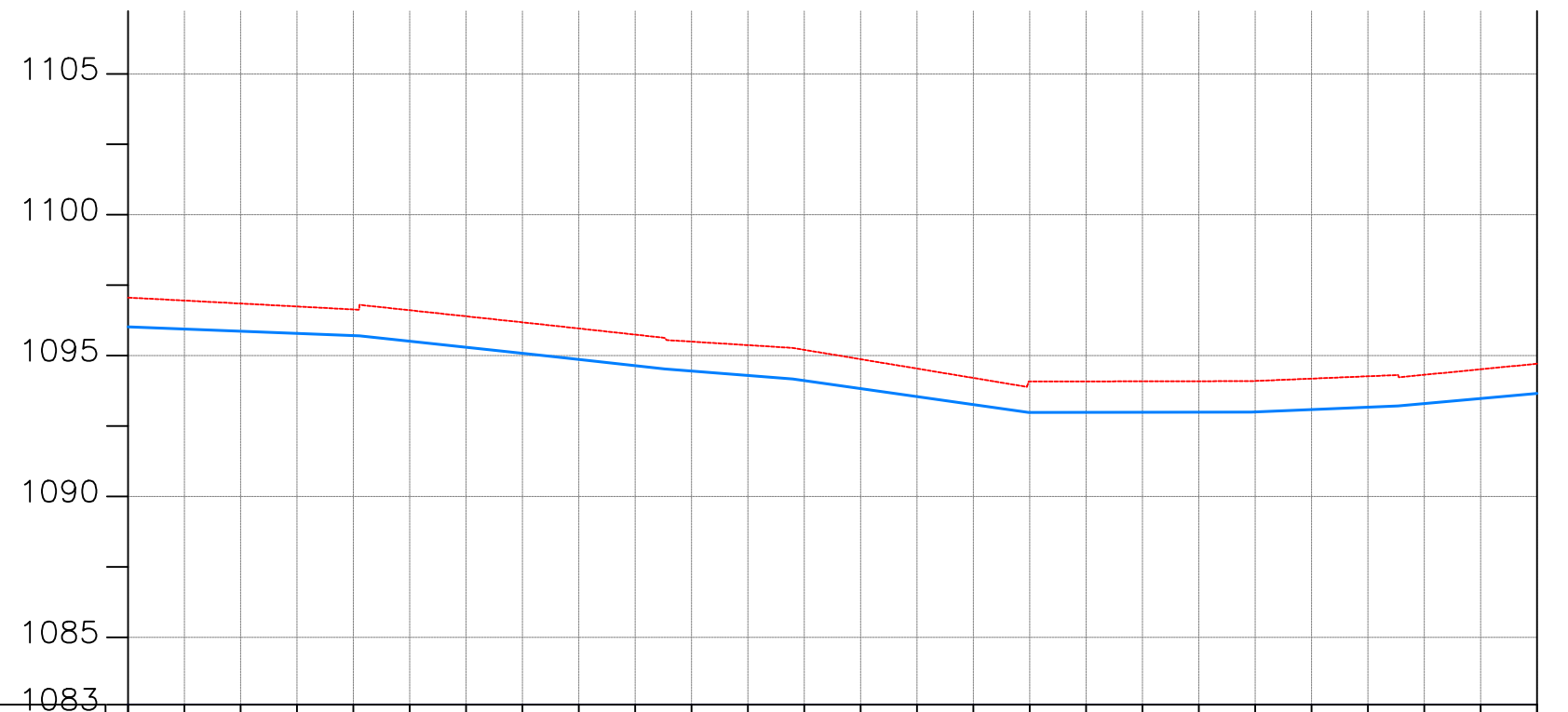
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 1+000.00 - 1+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 1+000.00 - 1+500.00)	
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	1+500	1+520	1+560	1+600	1+640	1+680	1+720	1+760	1+800	1+840	1+880	1+920	1+960	2+000															
GROUND LEVEL(m)	1097.060	1096.955	1096.849	1096.744	1096.639	1096.611	1096.396	1096.181	1095.964	1095.745	1095.497	1095.372	1095.206	1094.873	1094.540	1094.208	1094.081	1094.085	1094.088	1094.092	1094.100	1094.184	1094.267	1094.320	1094.516	1094.712			
PIPE DETAILS	OD 200, PN10, uPVC																												
PIPE INVERT(m)	1096.02	1095.94	1095.87	1095.79	1095.71	1095.51	1095.30	1095.08	1094.86	1094.64	1094.46	1094.30	1094.12	1093.83	1093.55	1093.26	1092.98	1092.98	1092.99	1092.99	1093.00	1093.08	1093.17	1093.30	1093.48	1093.66			

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

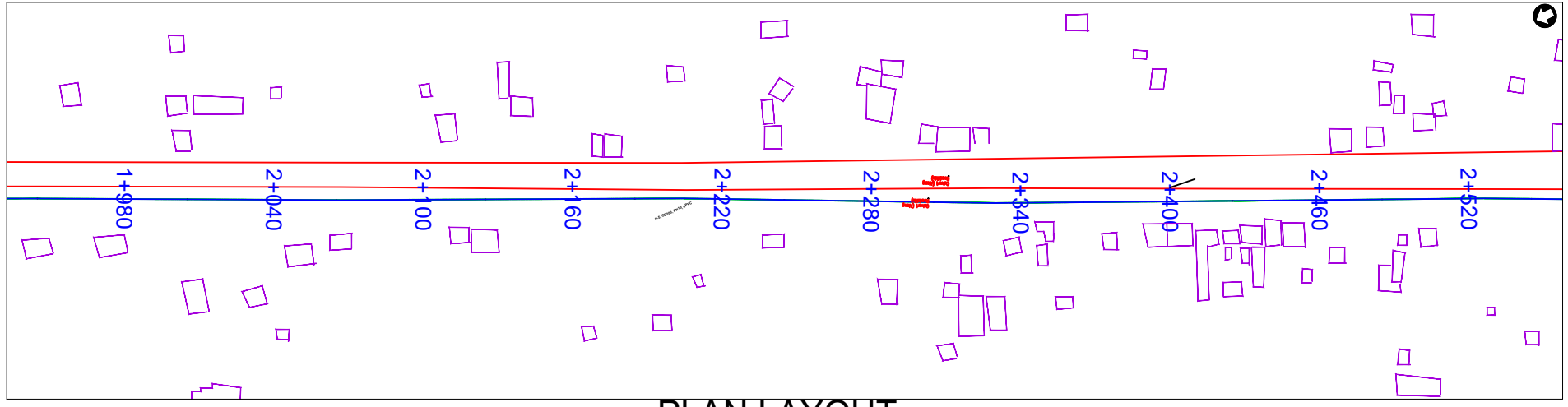
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

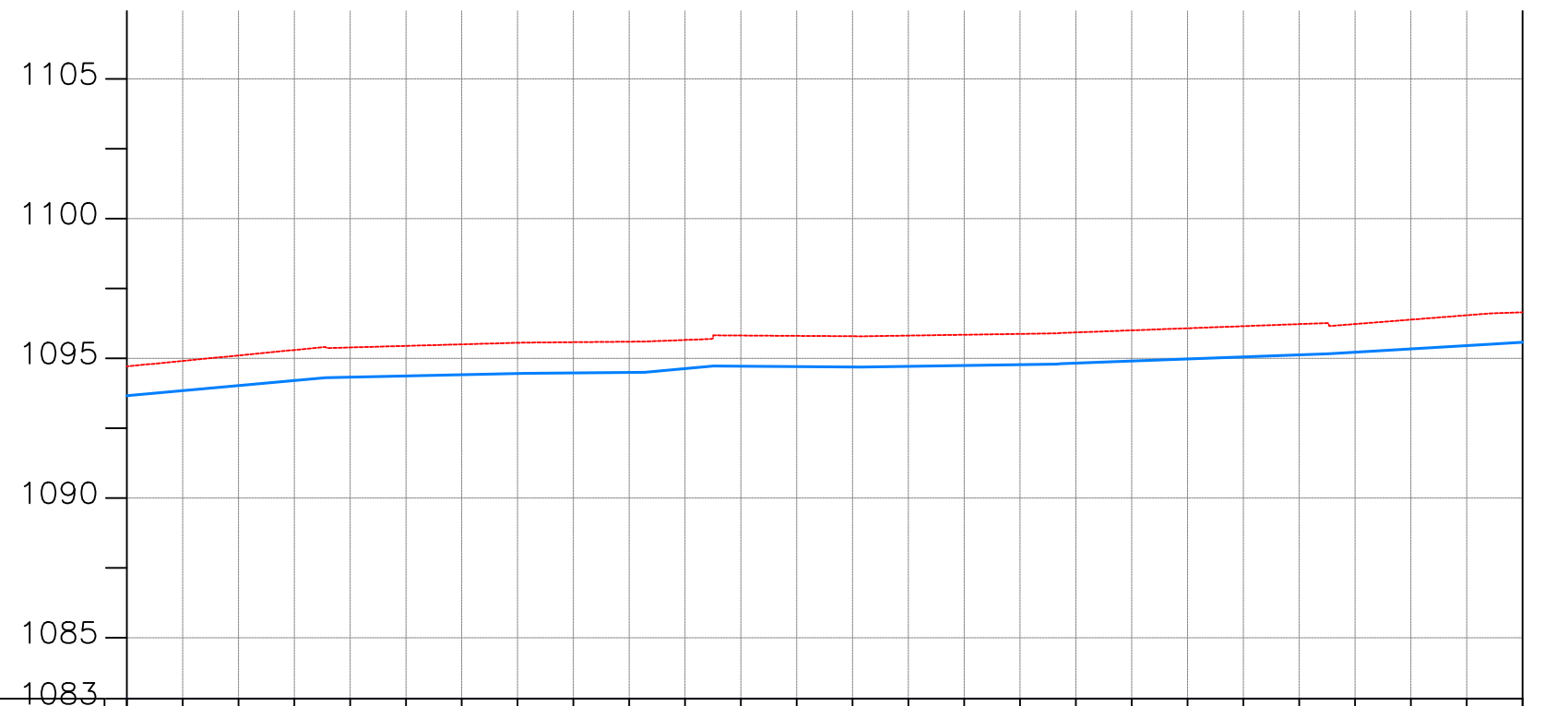
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 1+500.00 - 2+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 1+500.00 - 2+000.00)	
Sheet No.: 4	Format: A3



**PLAN LAYOUT**



CHAINAGE	2+000		2+040		2+080		2+120		2+160		2+200		2+240		2+280		2+320		2+360		2+400		2+440		2+480	2+500		
GROUND LEVEL(m)	1094.712	1094.908	1095.104	1095.300	1095.390	1095.446	1095.501	1095.557	1095.579	1095.596	1095.658	1095.818	1095.805	1095.792	1095.815	1095.845	1095.875	1095.928	1096.002	1096.077	1096.152	1096.226	1096.228	1096.385	1096.542	1096.650		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1093.66	1093.84	1094.03	1094.21	1094.33	1094.37	1094.42	1094.46	1094.48	1094.50	1094.63	1094.72	1094.70	1094.69	1094.72	1094.75	1094.78	1094.83	1094.90	1094.98	1095.05	1095.13	1095.22	1095.34	1095.46	1095.58		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA

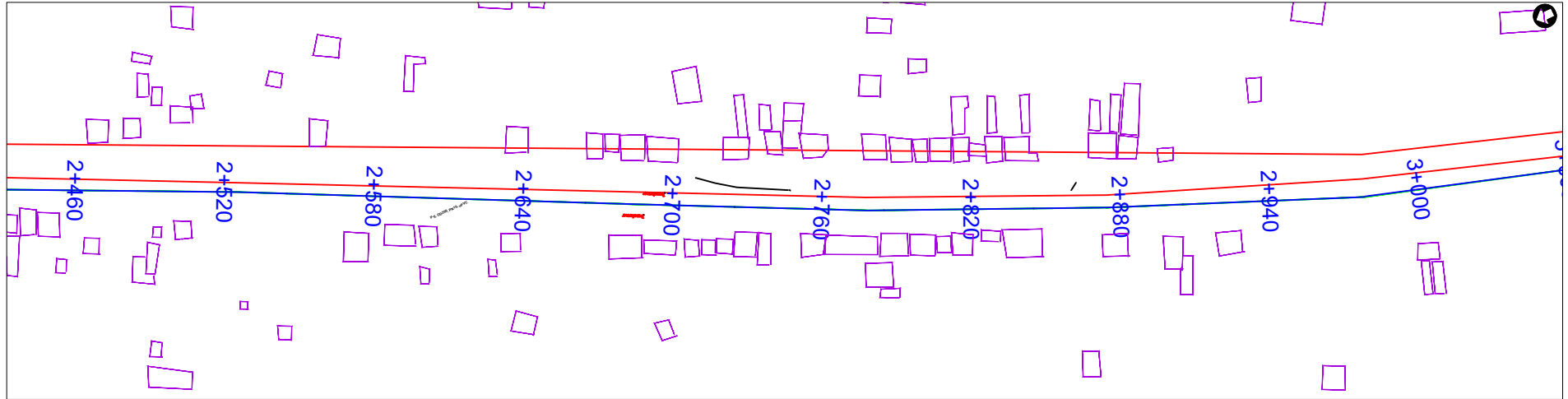
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

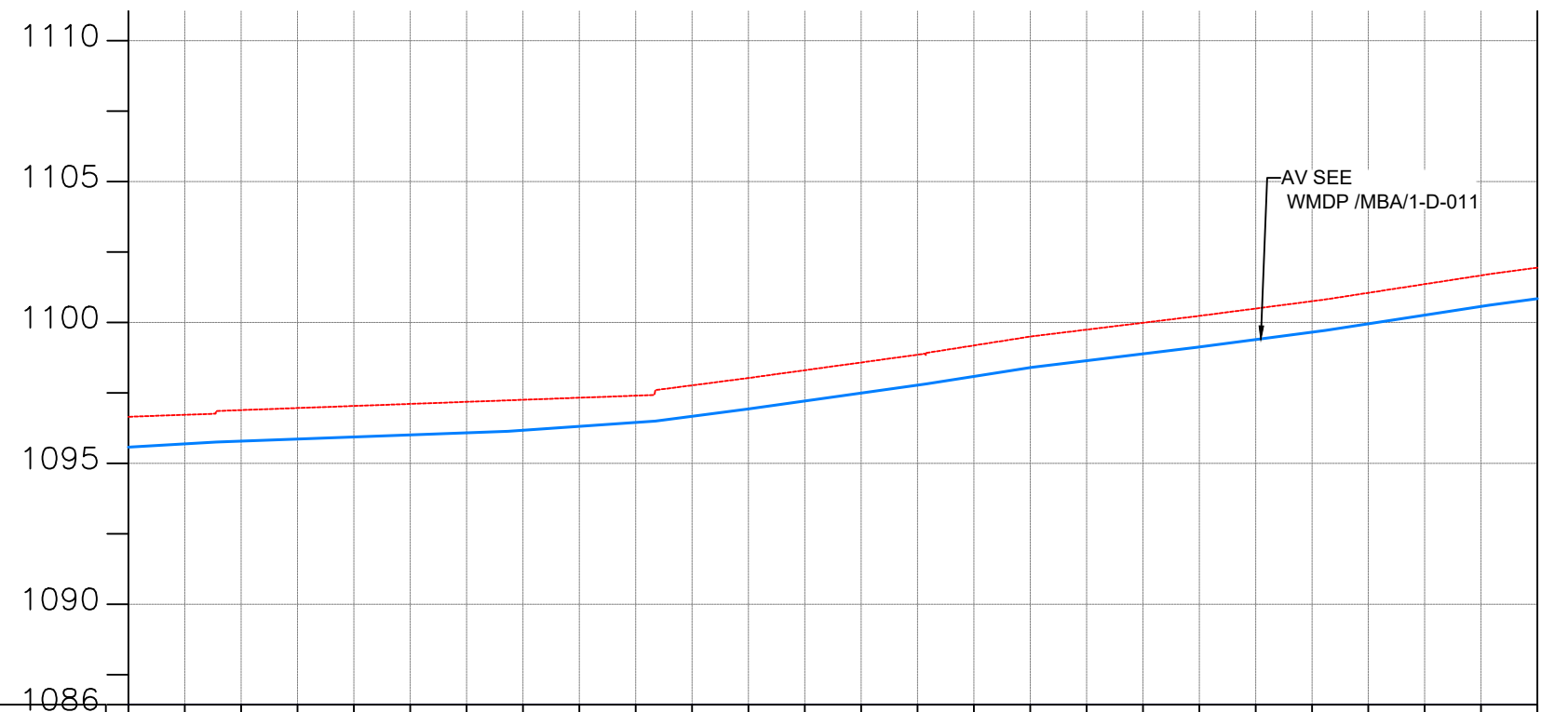
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 2+000.00 - 2+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 2+000.00 - 2+500.00)
Sheet No.: 5	Format: A3



**PLAN LAYOUT**



CHAINAGE	2+500	2+520	2+560	2+600	2+640	2+680	2+720	2+760	2+800	2+840	2+880	2+920	2+960	3+000												
GROUND LEVEL(m)	1096.650	1096.721	1096.888	1096.961	1097.034	1097.108	1097.181	1097.254	1097.327	1097.400	1097.766	1098.027	1098.302	1098.578	1098.854	1099.182	1099.497	1099.743	1099.987	1100.231	1100.492	1100.753	1101.050	1101.359	1101.668	1101.944
PIPE DETAILS	OD 200, PN10, uPVC																									
PIPE INVERT(m)	1095.58	1095.69	1095.79	1095.86	1095.93	1096.01	1096.08	1096.17	1096.31	1096.45	1096.67	1096.93	1097.21	1097.49	1097.77	1098.08	1098.40	1098.64	1098.89	1099.13	1099.39	1099.65	1099.95	1100.26	1100.57	1100.84

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

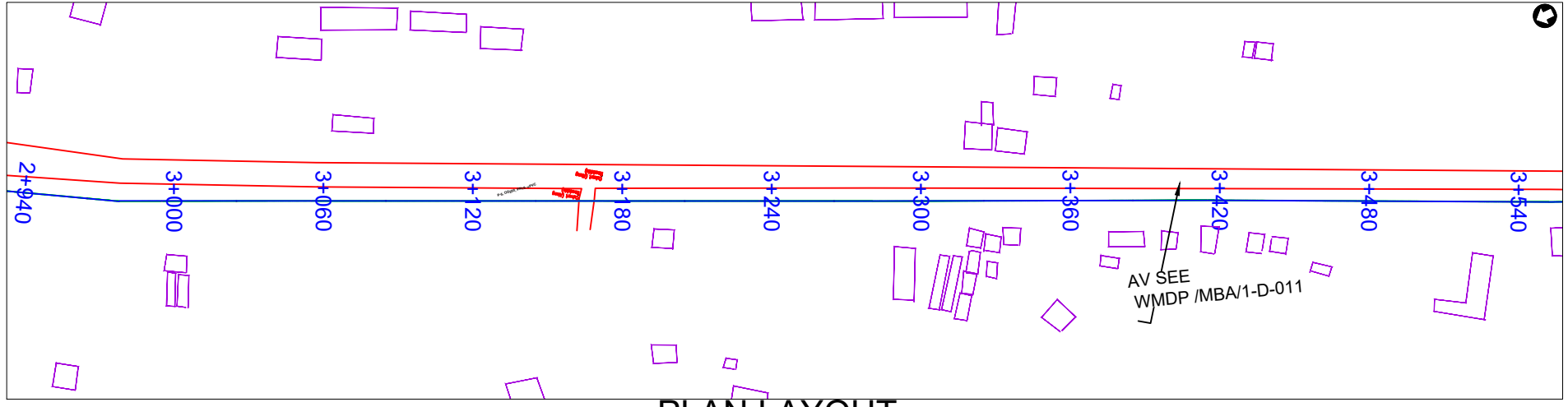
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

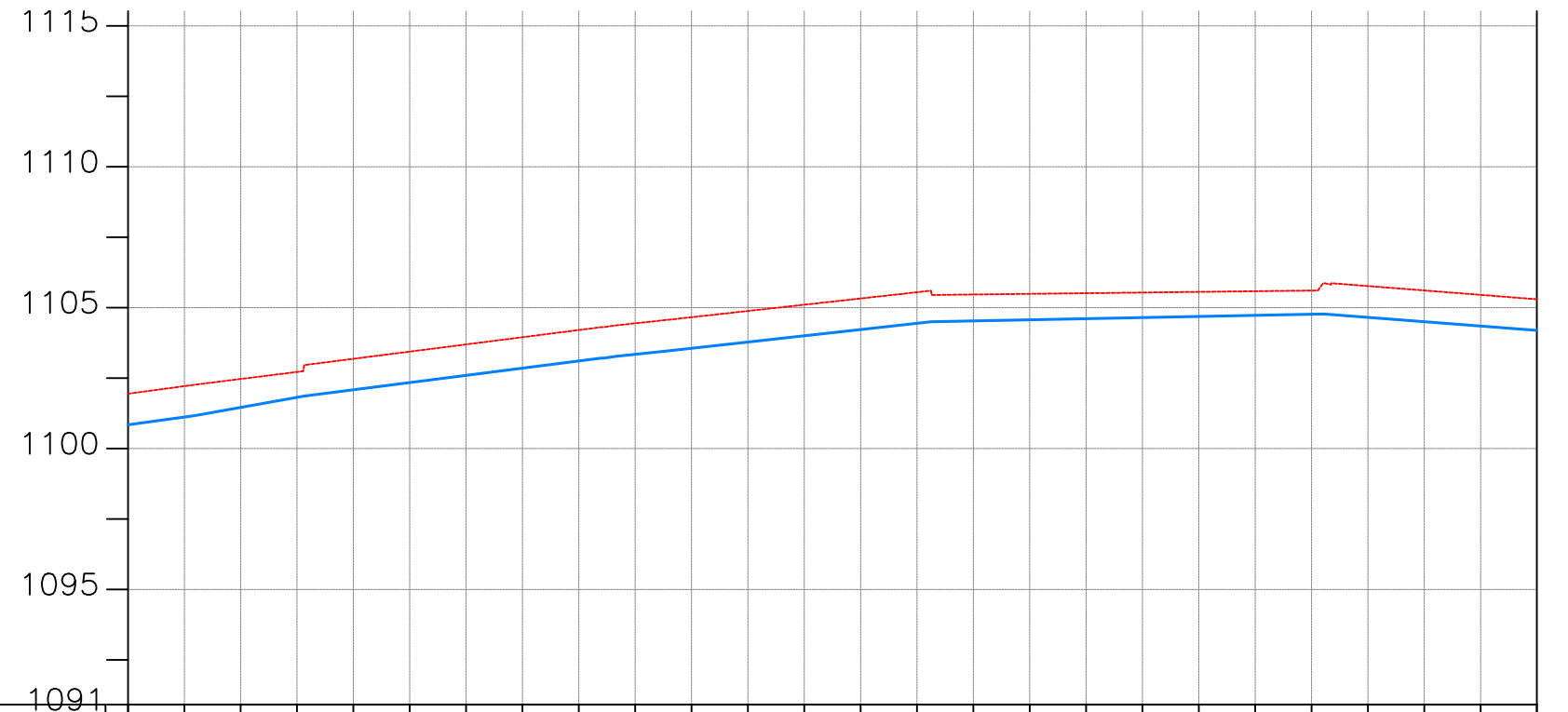
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 2+500.00 - 3+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 2+500.00 - 3+000.00)	Sheet No.: 6
Format: A3	



**PLAN LAYOUT**



CHAINAGE	3+000		3+040		3+080		3+120		3+160		3+200		3+240		3+280		3+320		3+360		3+400		3+440		3+480	3+500
GROUND LEVEL(m)	1101.944	1102.215	1102.469	1102.718	1103.184	1103.440	1103.695	1103.951	1104.206	1104.444	1104.660	1104.882	1105.104	1105.325	1105.547	1105.466	1105.490	1105.513	1105.536	1105.560	1105.583	1105.606	1105.767	1105.610	1105.454	1105.297
PIPE DETAILS	OD 200, PN10, uPVC																									
PIPE INVERT(m)	1100.84	1101.12	1101.46	1101.82	1102.08	1102.34	1102.60	1102.85	1103.11	1103.34	1103.56	1103.78	1104.00	1104.23	1104.45	1104.53	1104.57	1104.61	1104.65	1104.69	1104.73	1104.76	1104.65	1104.50	1104.35	1104.20

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

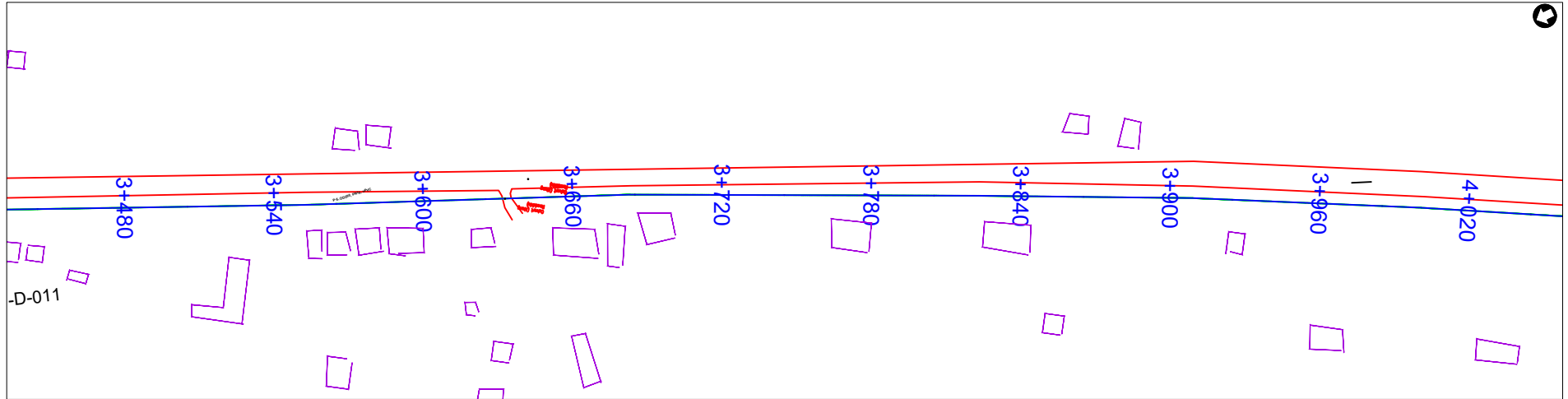
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

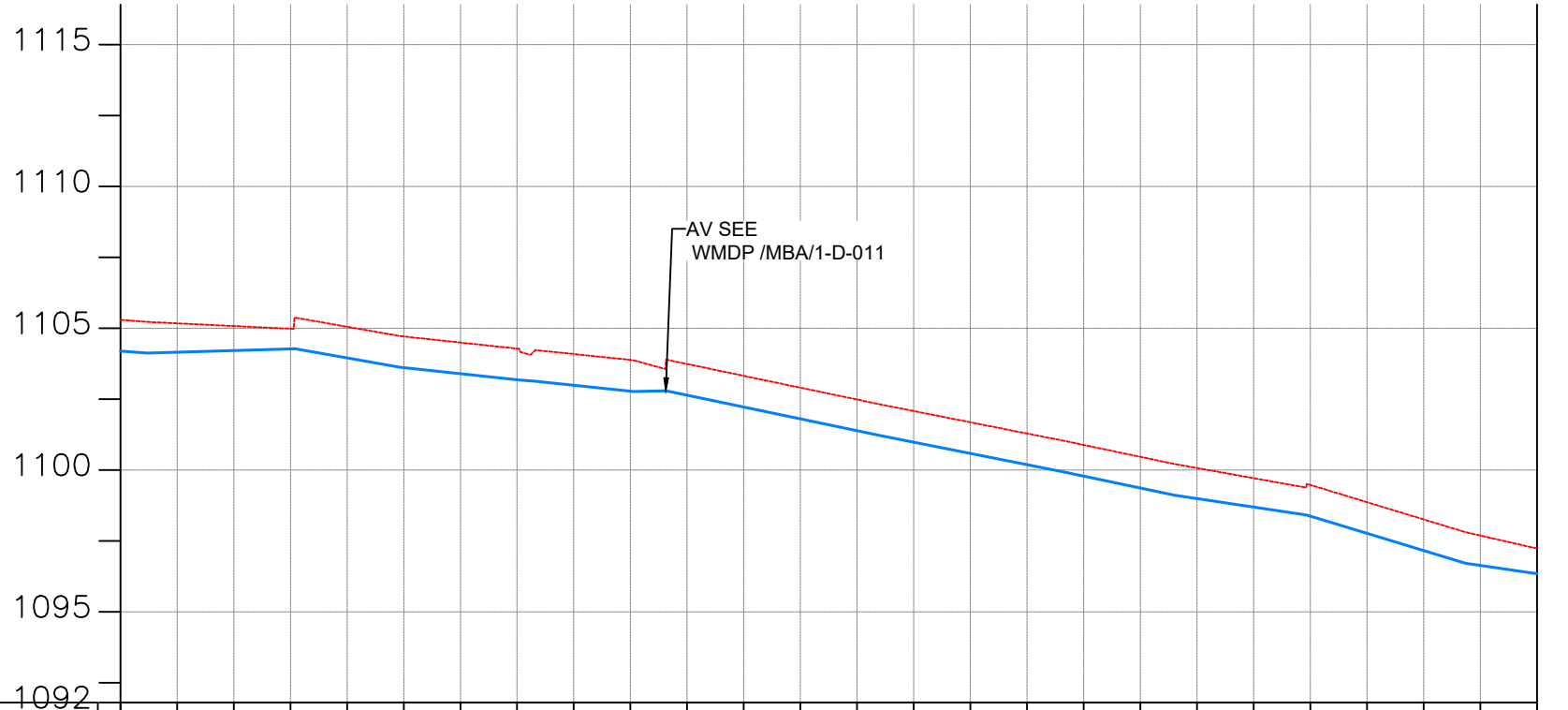
**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 3+000.00 - 3+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 3+000.00 - 3+500.00)	Sheet No.: 7
Format: A3	





**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
3+500	1105.297	OD 200, PN10, uPVC	1104.20
3+520	1105.173		1104.15
3+560	1105.078		1104.21
3+600	1104.983		1104.27
	1105.052		1103.95
	1104.710		1103.61
	1104.495		1103.40
	1104.281		1103.18
	1104.090		1102.99
3+680	1103.882		1102.78
	1103.739		1102.64
3+720	1103.321		1102.22
	1102.904		1101.80
	1102.486		1101.39
	1102.080		1100.98
	1101.684		1100.58
	1101.287	1100.19	
	1100.883	1099.78	
	1100.465	1099.37	
	1100.071	1098.99	
	1099.713	1098.69	
3+920	1099.474	1098.37	
	1098.866	1097.77	
3+960	1098.258	1097.16	
	1097.689	1096.63	
4+000	1097.231	1096.34	

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

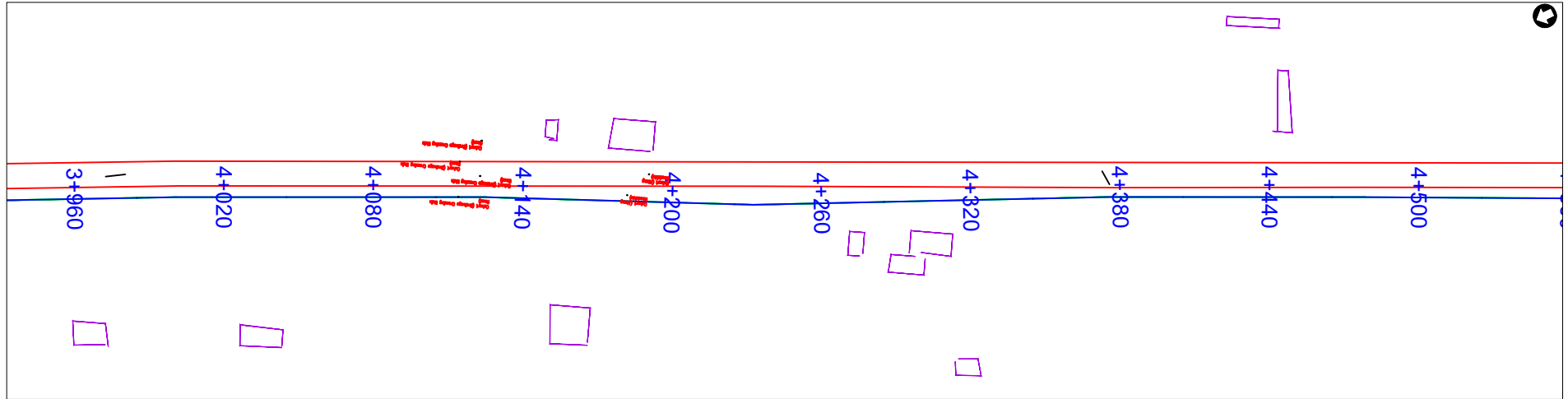
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

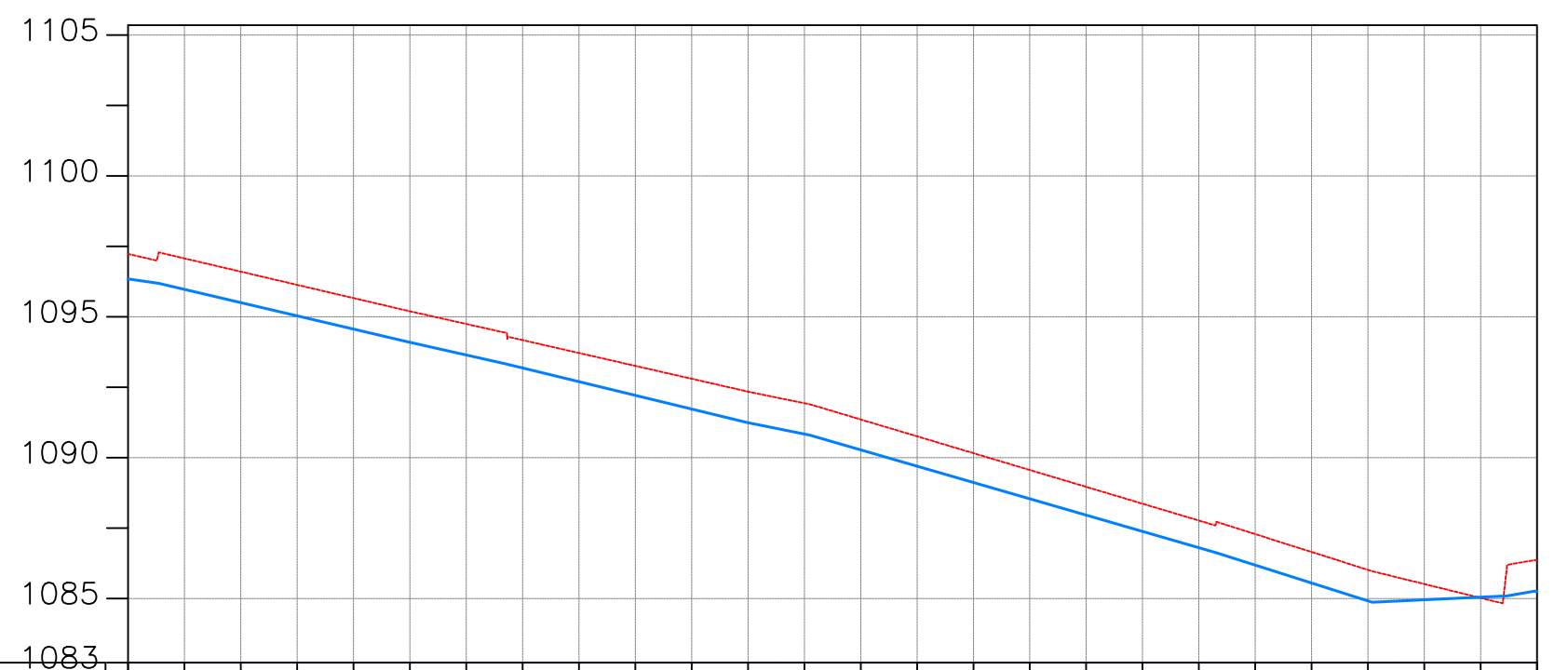
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 3+500.00 - 4+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 3+500.00 - 4+000.00)	
Sheet No.: 8	Format: A3



PLAN LAYOUT



CHAINAGE	4+000		4+040		4+080		4+120		4+160		4+200		4+240		4+280		4+320		4+360		4+400		4+440		4+480	4+500
GROUND LEVEL(m)	1097.231	1097.074	1096.605	1096.135	1095.666	1095.197	1094.747	1094.174	1093.716	1093.259	1092.802	1092.346	1091.937	1091.356	1090.758	1090.161	1089.563	1088.965	1088.367	1087.769	1087.286	1086.652	1086.018	1085.515	1085.022	1086.344
PIPE DETAILS	OD 200, PN10, uPVC																									
PIPE INVERT(m)	1096.34	1095.97	1095.50	1095.04	1094.57	1094.10	1093.65	1093.19	1092.70	1092.22	1091.73	1091.25	1090.84	1090.27	1089.70	1089.12	1088.54	1087.96	1087.38	1086.80	1086.19	1085.55	1084.92	1084.96	1085.05	1085.25

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

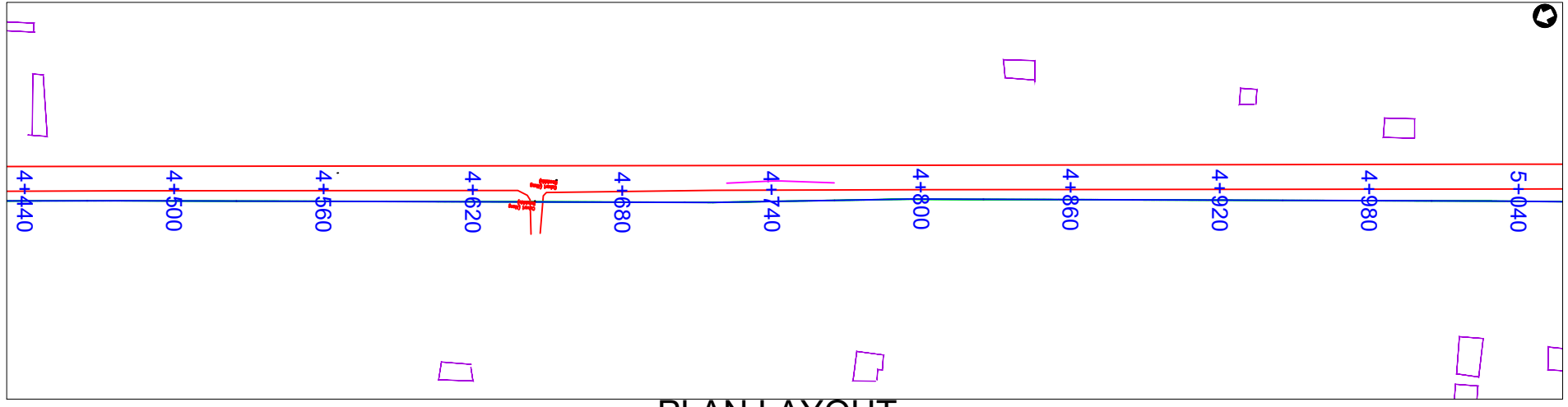
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

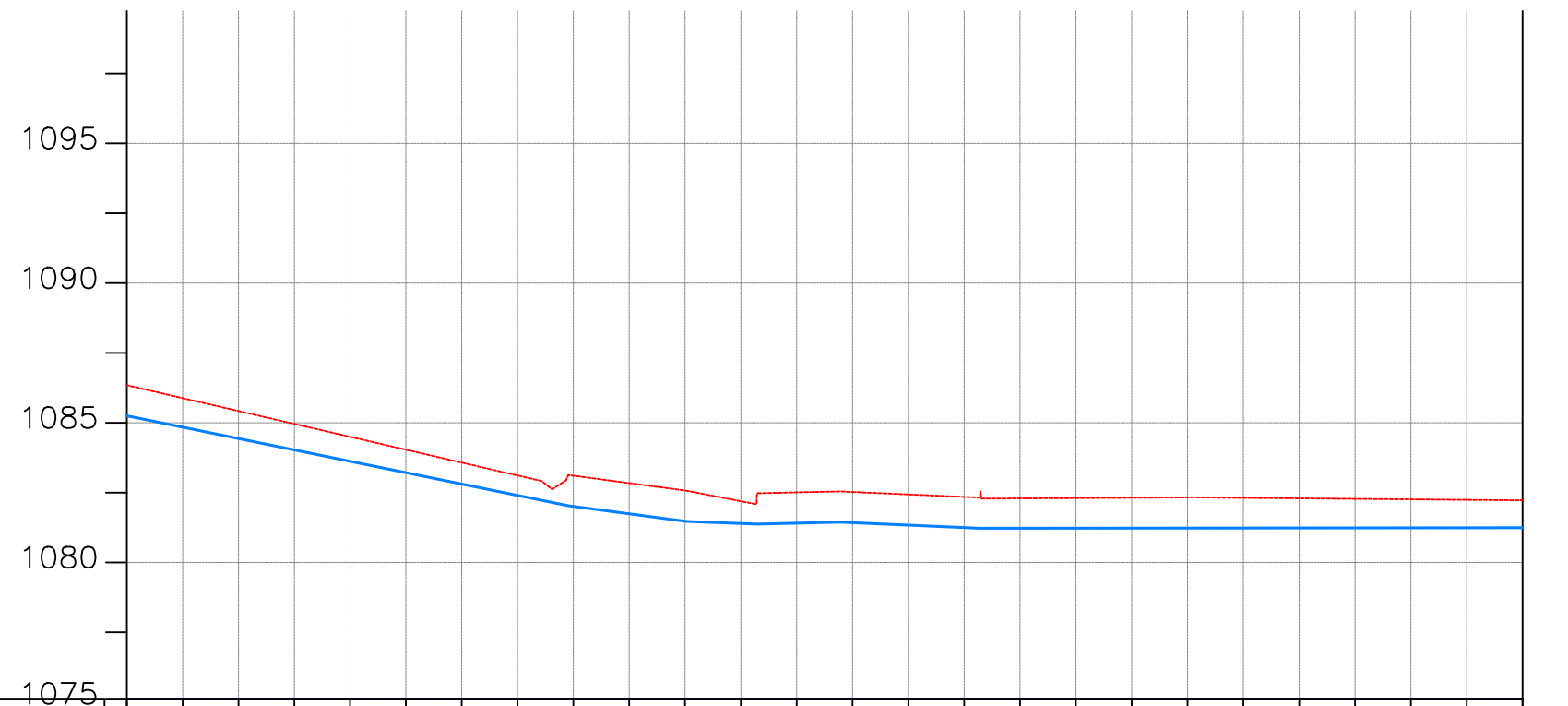
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 4+000.00 - 4+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 4+000.00 - 4+500.00)
Sheet No.: 9	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
4+500	1086.344	OD 200, PN10, uPVC	1085.25
4+520	1085.882		1084.84
4+560	1085.421		1084.43
4+600	1084.959		1084.03
4+640	1084.497		1083.62
4+680	1084.036		1083.21
4+720	1083.574		1082.80
4+760	1083.112		1082.40
4+800	1083.104		1082.00
4+840	1082.839		1081.74
4+880	1082.575		1081.47
4+920	1082.189		1081.40
4+960	1082.507		1081.41
5+000	1082.522		1081.42
	1082.434		1081.33
	1082.346		1081.25
	1082.291		1081.22
	1082.303		1081.22
	1082.314		1081.23
	1082.326		1081.23
	1082.311	1081.23	
	1082.293	1081.23	
	1082.275	1081.23	
	1082.257	1081.24	
	1082.239	1081.24	
	1082.222	1081.24	

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- = Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

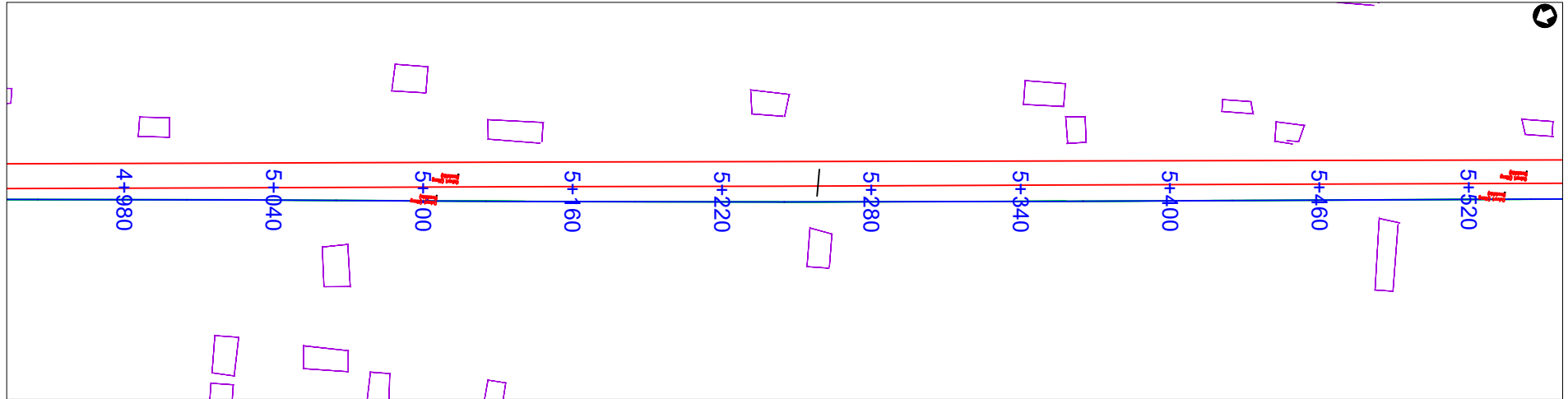
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

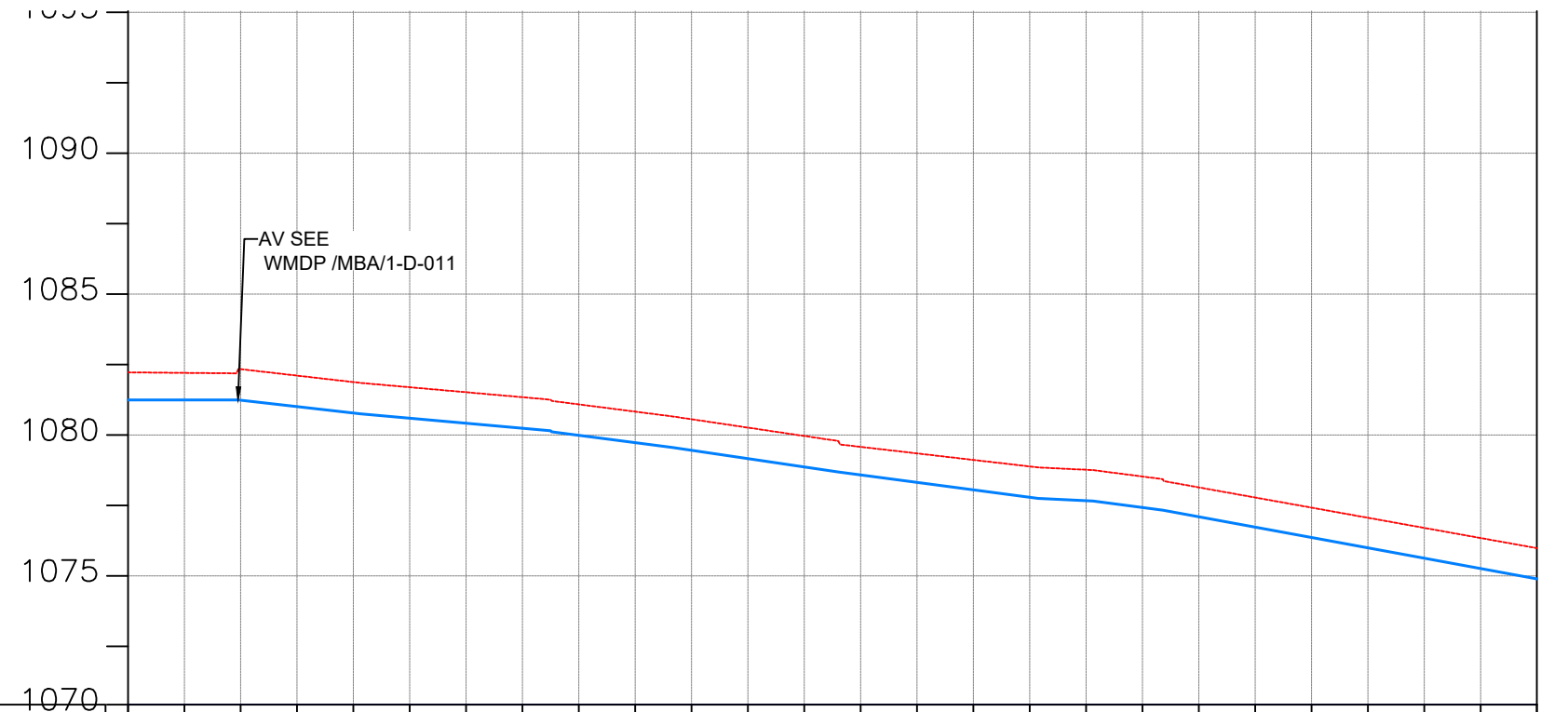
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 4+500.00 - 5+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 4+500.00 - 5+000.00)
Sheet No.: 10	Format: A3



**PLAN LAYOUT**



CHAINAGE	5+000		5+040		5+080		5+120		5+160		5+200		5+240		5+280		5+320		5+360		5+400		5+440		5+480	5+500		
GROUND LEVEL(m)	1082.222	1082.204	1082.335	1082.106	1081.877	1081.693	1081.517	1081.340	1081.085	1080.828	1080.558	1080.261	1079.964	1079.577	1079.346	1079.114	1078.882	1078.765	1078.525	1078.139	1077.780	1077.420	1077.061	1076.702	1076.342	1075.983		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1081.24	1081.24	1081.24	1081.01	1080.78	1080.59	1080.42	1080.24	1079.98	1079.73	1079.46	1079.16	1078.86	1078.58	1078.32	1078.05	1077.79	1077.66	1077.43	1077.10	1076.73	1076.36	1075.99	1075.63	1075.26	1074.89		

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MB/W/0.0.0
  4. For Node details, see Dwg. MB/W/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

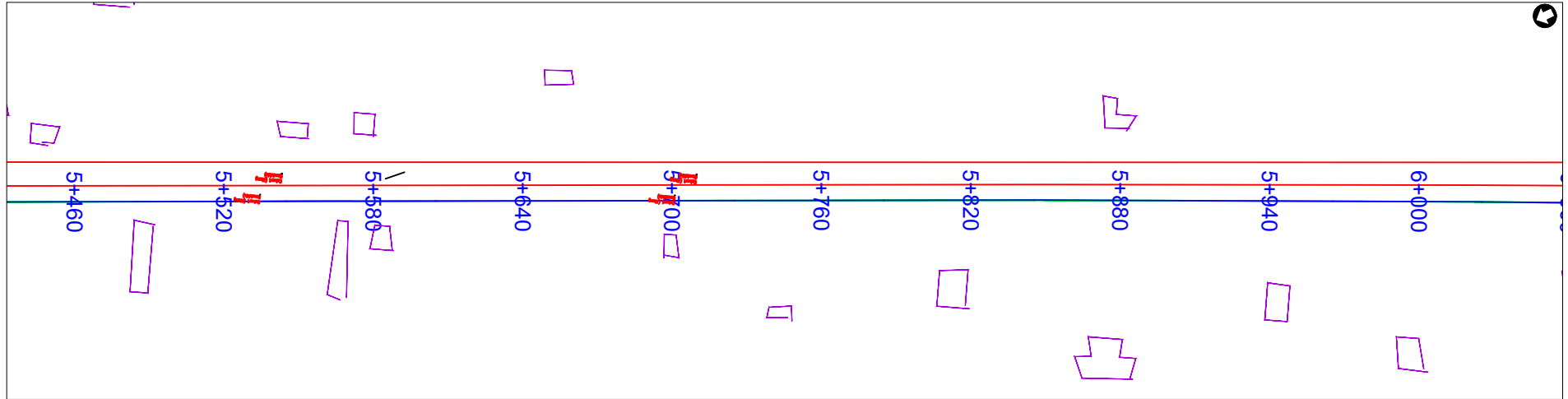
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

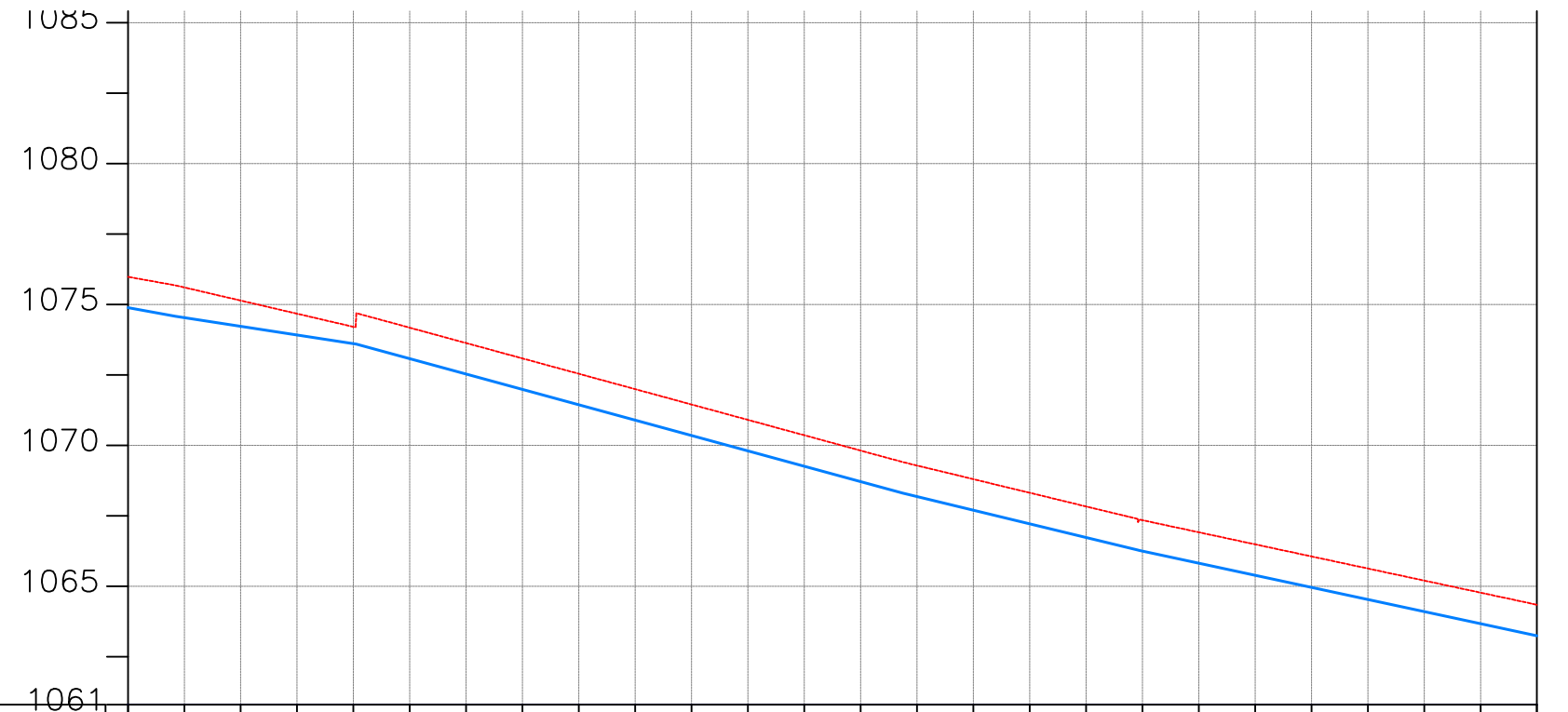


**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 5+000.00 - 5+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 5+000.00 - 5+500.00)	
Sheet No.: 11	Format: A3



**PLAN LAYOUT**



CHAINAGE	5+500	5+520	5+560	5+600	5+640	5+680	5+720	5+760	5+800	5+840	5+880	5+920	5+960	6+000														
GROUND LEVEL(m)	1075.983	1075.606	1075.140	1074.674	1074.208	1074.177	1073.632	1073.087	1072.542	1071.997	1071.451	1070.906	1070.361	1069.816	1069.286	1068.802	1068.317	1067.833	1067.345	1066.916	1066.488	1066.059	1065.631	1065.202	1064.773	1064.345		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1074.89	1074.53	1074.22	1073.92	1073.61	1073.08	1072.53	1071.99	1071.44	1070.90	1070.35	1069.81	1069.26	1068.72	1068.19	1067.70	1067.22	1066.73	1066.25	1065.82	1065.39	1064.96	1064.53	1064.10	1063.67	1063.24		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA

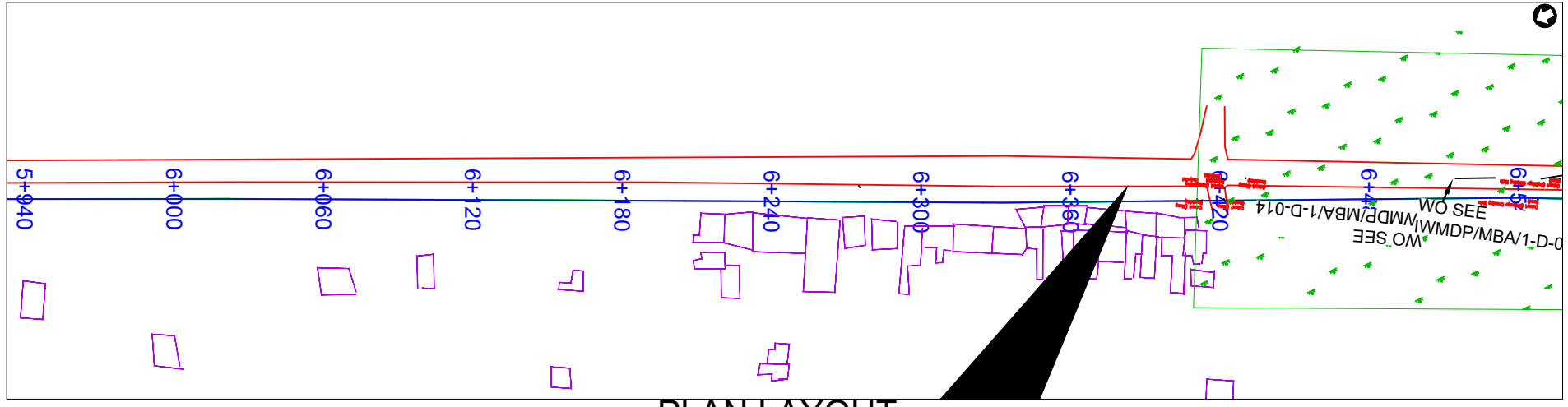
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

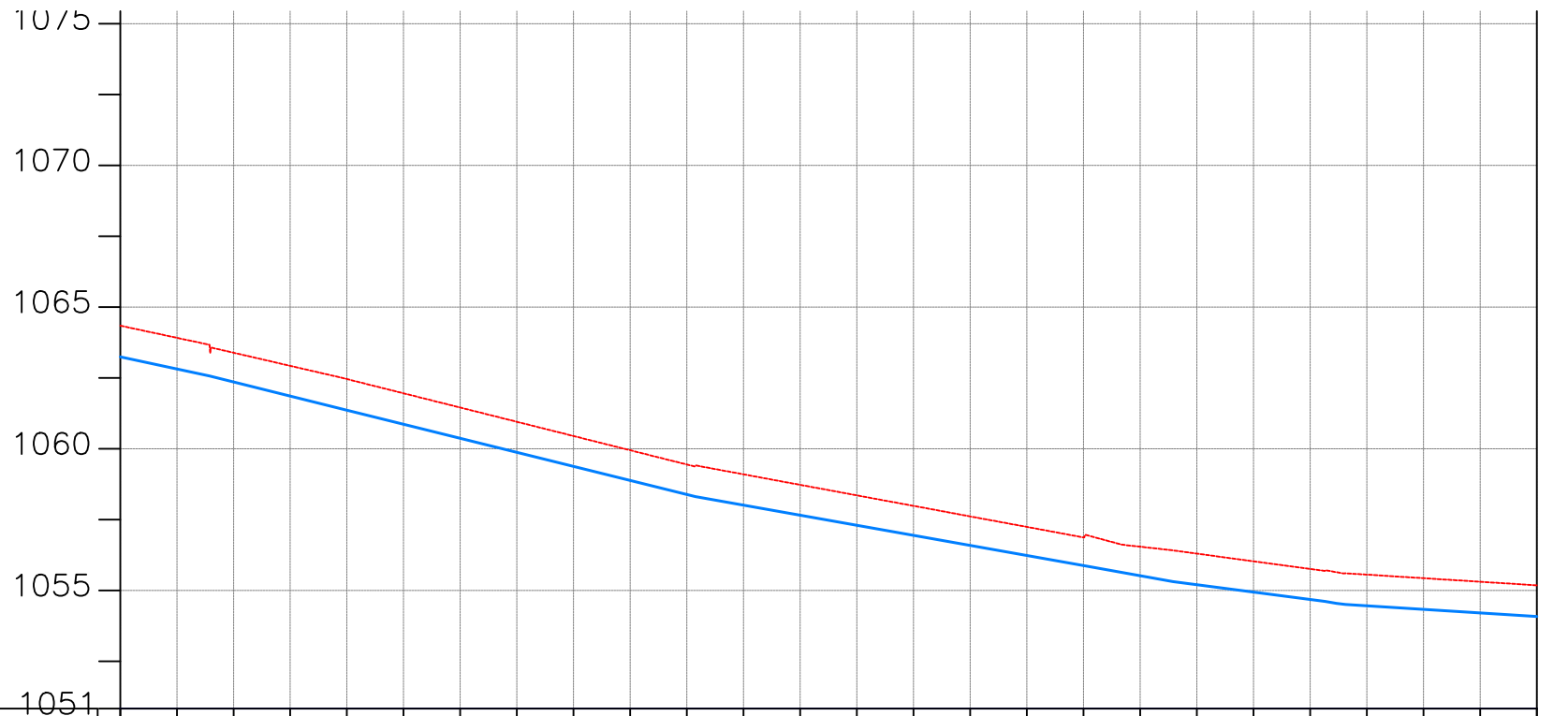
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 5+500.00 - 6+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 5+500.00 - 6+000.00)
Sheet No.: 12	Format: A3



**PLAN LAYOUT**



CHAINAGE	6+000		6+040		6+080		6+120		6+160		6+200		6+240		6+280		6+320		6+360		6+400		6+440		6+480	6+500		
GROUND LEVEL(m)	1064.345	1063.916	1063.389	1062.927	1062.460	1061.957	1061.455	1060.952	1060.450	1059.947	1059.445	1059.098	1058.727	1058.356	1057.985	1057.613	1057.242	1056.871	1056.544	1056.300	1056.029	1055.758	1055.558	1055.433	1055.307	1055.181		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1063.24	1062.82	1062.36	1061.86	1061.36	1060.87	1060.37	1059.87	1059.38	1058.88	1058.39	1058.01	1057.66	1057.30	1056.94	1056.59	1056.23	1055.88	1055.52	1055.20	1054.94	1054.68	1054.46	1054.33	1054.21	1054.08		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

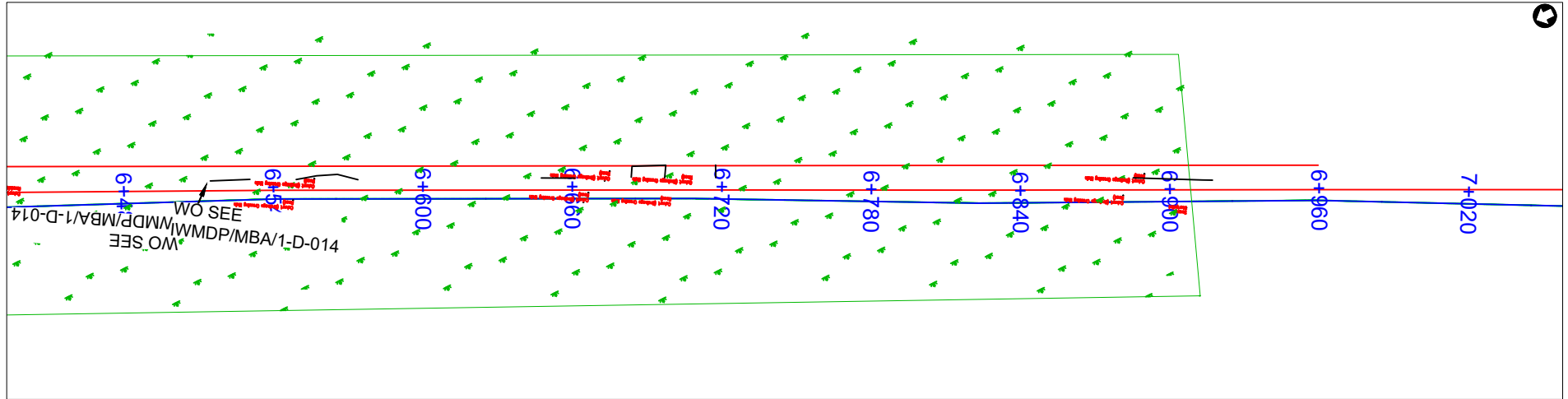
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

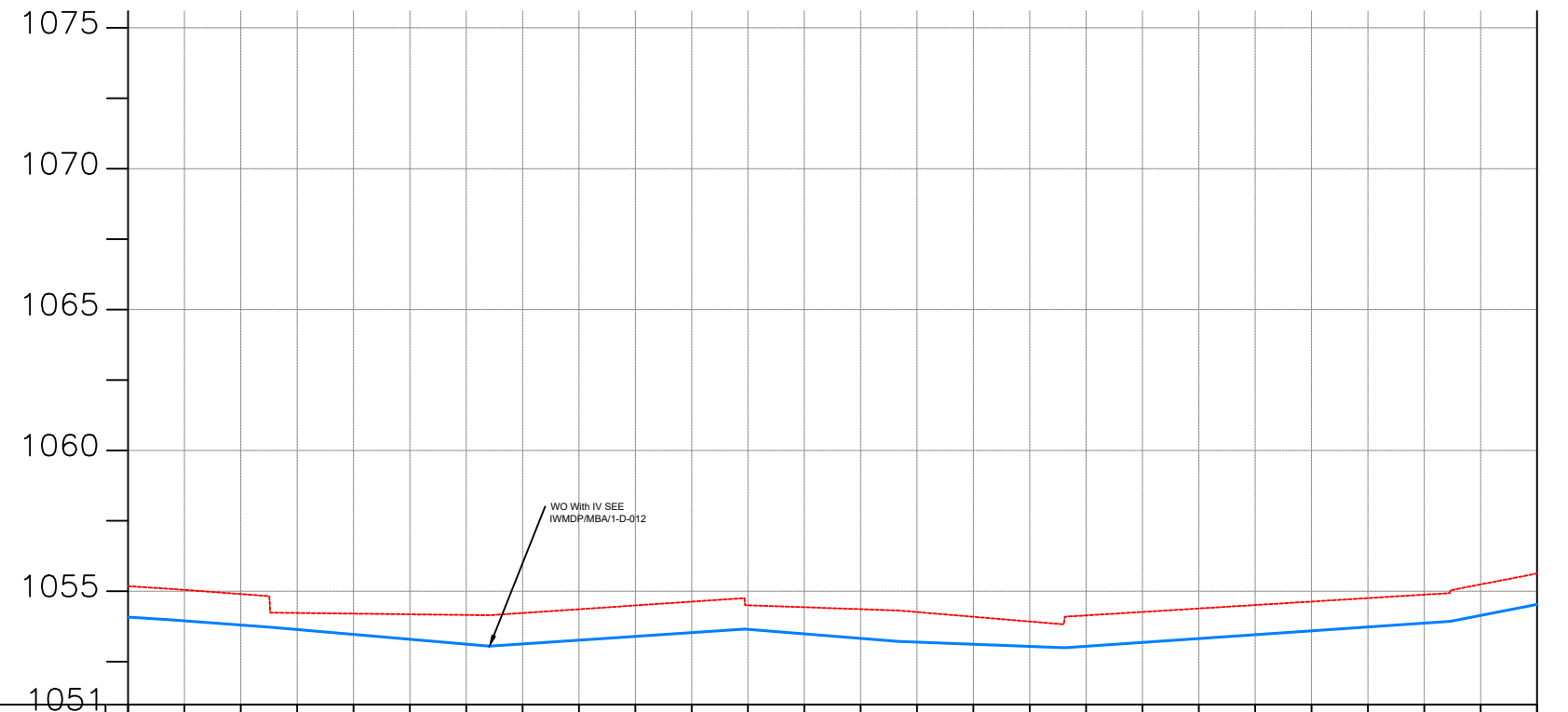
**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 6+000.00 - 6+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 6+000.00 - 6+500.00)	
Sheet No.: 13	Format: A3





**PLAN LAYOUT**



CHAINAGE	6+500	6+520	6+560	6+600	6+640	6+680	6+720	6+760	6+800	6+840	6+880	6+920	6+960	7+000												
GROUND LEVEL(m)	1055.181	1055.050	1054.903	1054.230	1054.207	1054.183	1054.159	1054.228	1054.363	1054.497	1054.631	1054.503	1054.434	1054.365	1054.263	1054.095	1053.927	1054.144	1054.267	1054.390	1054.512	1054.635	1054.758	1054.881	1055.244	1055.631
PIPE DETAILS	OD 200, PN10, uPVC																									
PIPE INVERT(m)	1054.08	1053.95	1053.80	1053.64	1053.47	1053.30	1053.12	1053.13	1053.26	1053.40	1053.53	1053.65	1053.49	1053.33	1053.19	1053.12	1053.04	1053.05	1053.19	1053.32	1053.46	1053.60	1053.74	1053.87	1054.14	1054.53

**AMENDMENTS**

No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

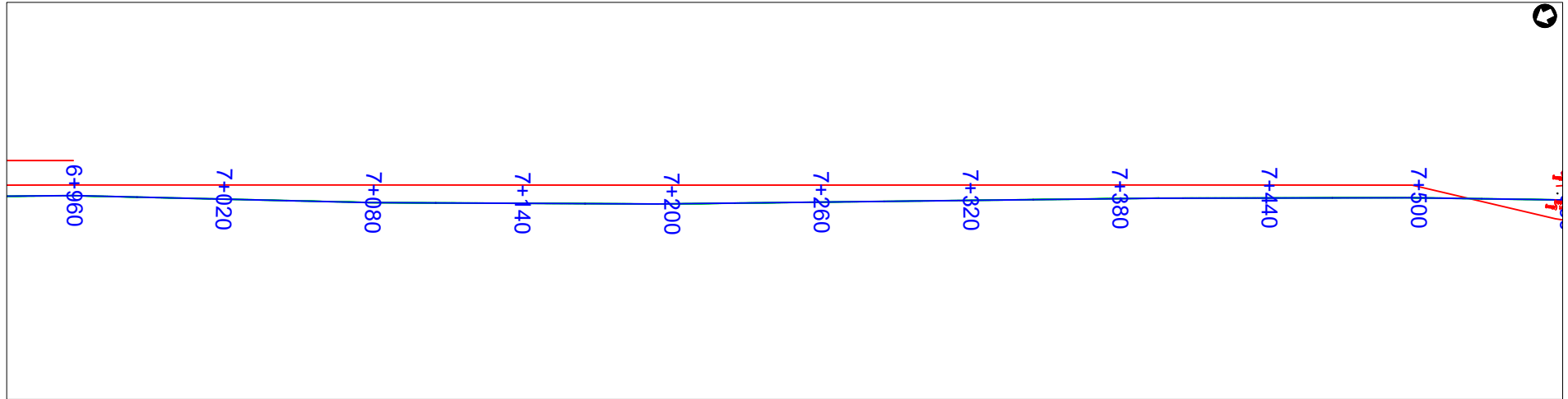
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

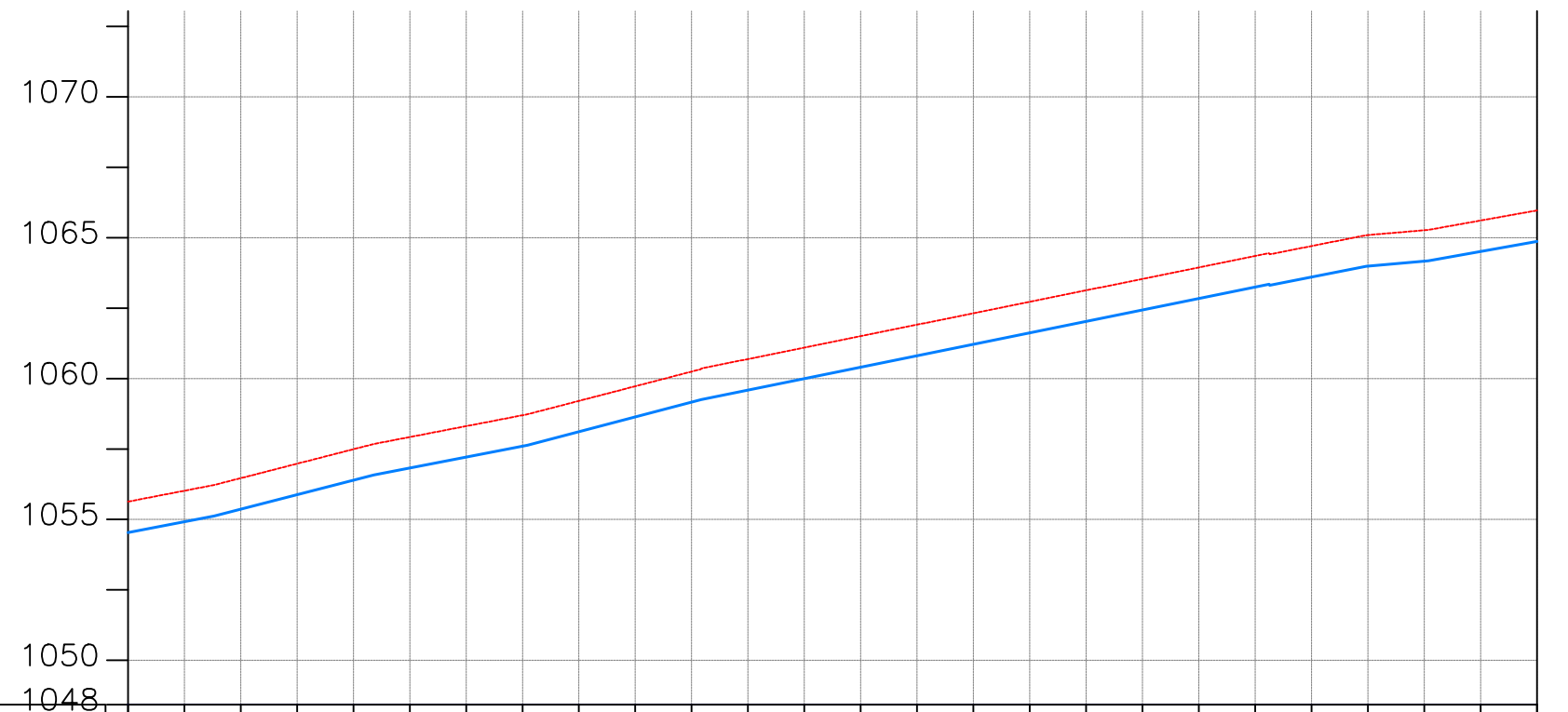
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 6+500.00 - 7+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 6+500.00 - 7+000.00)	
Sheet No.: 14	Format: A3



**PLAN LAYOUT**



CHAINAGE	7+000		7+040		7+080		7+120		7+160		7+200		7+240		7+280		7+320		7+360		7+400		7+440		7+480	7+500		
GROUND LEVEL(m)	1055.631	1056.018	1056.465	1056.978	1057.492	1057.924	1058.311	1058.698	1059.206	1059.727	1060.247	1060.693	1061.099	1061.505	1061.912	1062.318	1062.724	1063.130	1063.537	1063.943	1064.349	1064.703	1065.093	1065.264	1065.609	1065.967		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1054.53	1054.92	1055.36	1055.88	1056.39	1056.82	1057.21	1057.60	1058.11	1058.64	1059.17	1059.59	1060.00	1060.41	1060.81	1061.22	1061.62	1062.03	1062.44	1062.84	1063.25	1063.60	1063.99	1064.16	1064.51	1064.87		

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MBW/0.0.0
4. For Node details, see Dwg. MBW/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

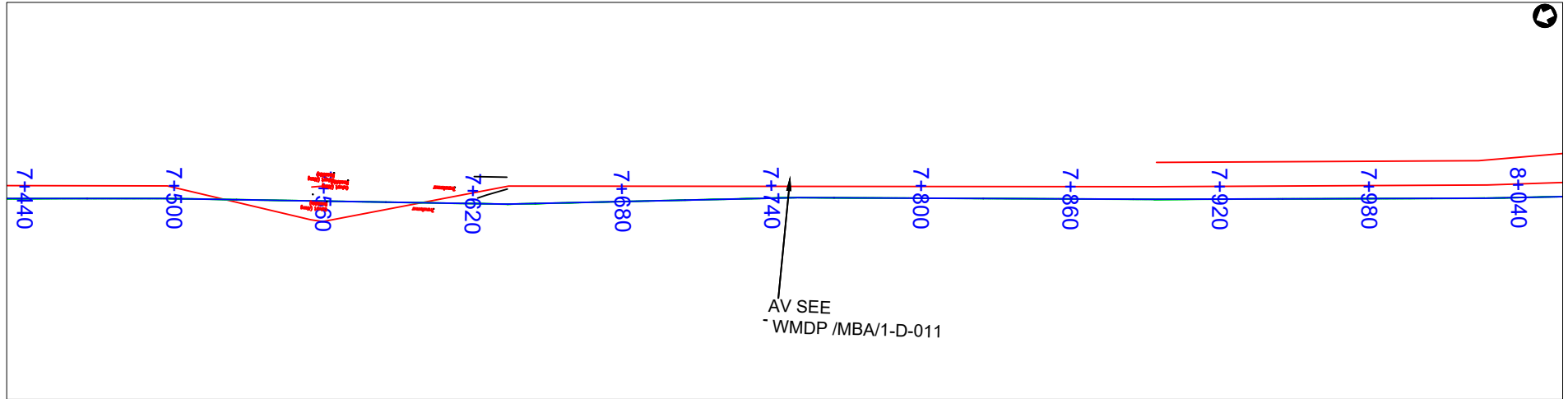
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

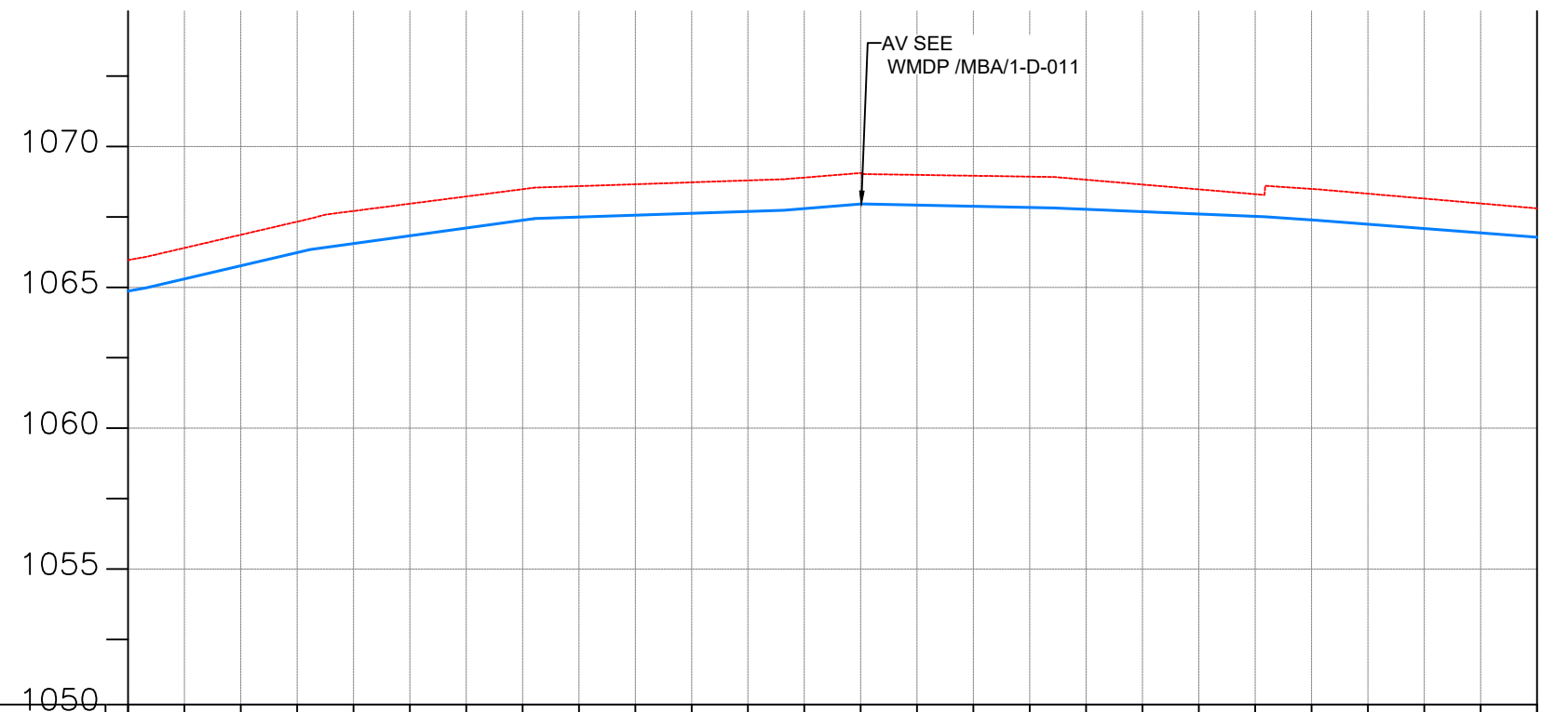


**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 7+000.00 - 7+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 7+000.00 - 7+500.00)	
Sheet No.: 15	Format: A3



**PLAN LAYOUT**



CHAINAGE	7+500	7+520	7+560	7+600	7+640	7+680	7+720	7+760	7+800	7+840	7+880	7+920	7+960	8+000												
GROUND LEVEL(m)	1065.967	1066.398	1066.864	1067.329	1067.709	1067.967	1068.224	1068.482	1068.593	1068.660	1068.727	1068.794	1068.895	1069.058	1068.991	1068.960	1068.929	1068.818	1068.648	1068.477	1068.306	1068.494	1068.324	1068.150	1067.976	1067.802
PIPE DETAILS	OD 200, PN10, uPVC																									
PIPE INVERT(m)	1064.87	1065.30	1065.76	1066.23	1066.55	1066.83	1067.10	1067.38	1067.49	1067.56	1067.63	1067.69	1067.80	1067.96	1067.92	1067.88	1067.83	1067.77	1067.68	1067.60	1067.52	1067.39	1067.24	1067.09	1066.93	1066.78

**AMENDMENTS**

No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- - - Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

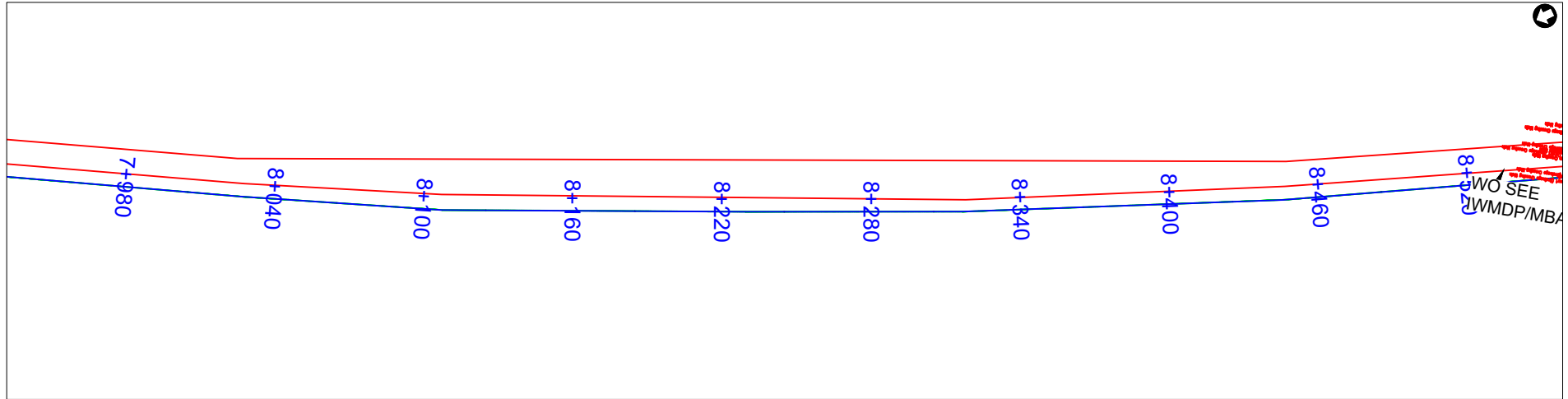
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

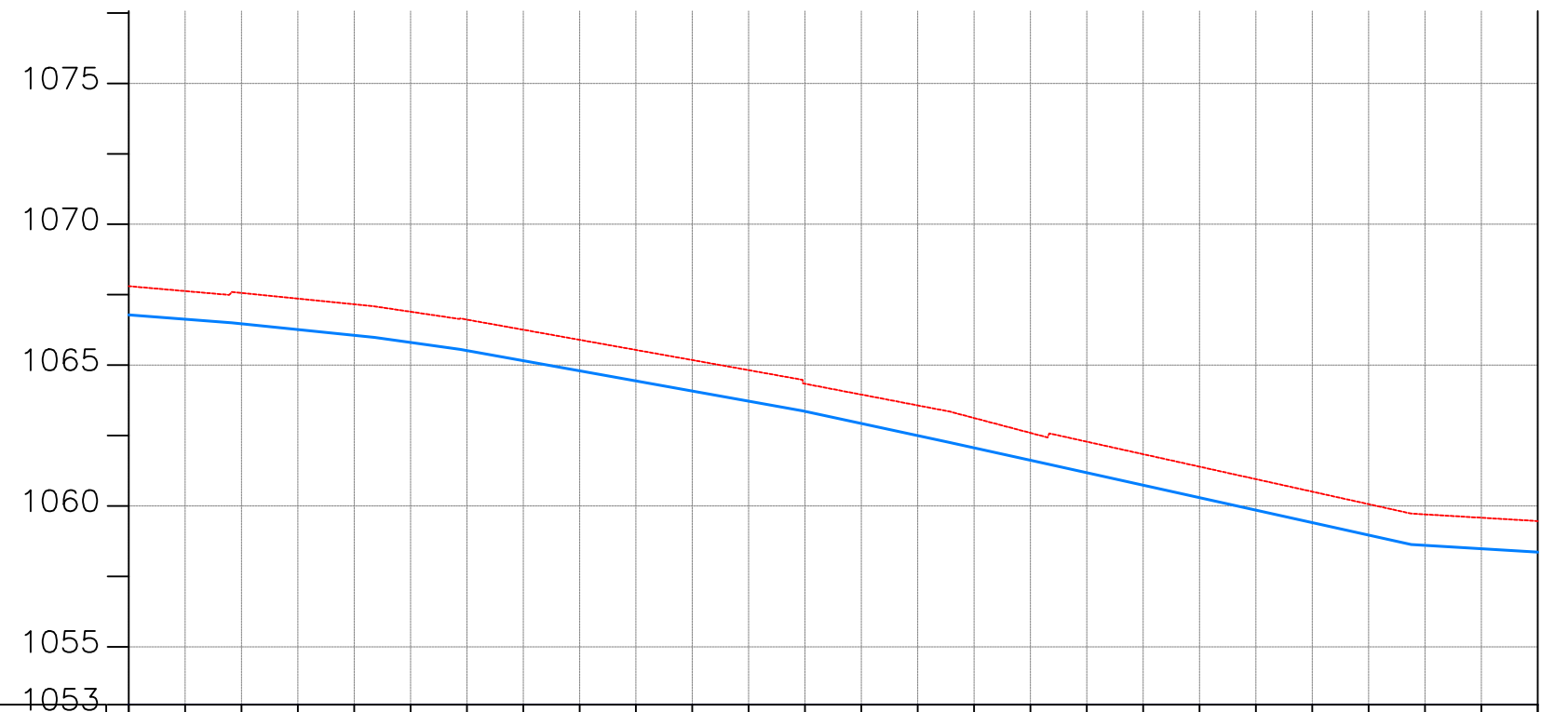
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 7+500.00 - 8+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 7+500.00 - 8+000.00)	Sheet No.: 16
Format: A3	



PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
8+000	1067.802	OD 200, PN10, uPVC	1066.78
	1067.629		1066.63
8+040	1067.565		1066.47
	1067.362		1066.26
8+080	1067.159		1066.06
	1066.896		1065.81
8+120	1066.616		1065.52
	1066.257		1065.16
8+160	1065.898		1064.80
	1065.540		1064.44
8+200	1065.181		1064.08
	1064.822		1063.72
8+240	1064.339		1063.36
	1063.955		1062.93
8+280	1063.571		1062.50
	1063.123		1062.06
8+320	1062.594		1061.63
	1062.284	1061.18	
8+360	1061.840	1060.74	
	1061.397	1060.30	
8+400	1060.954	1059.85	
	1060.511	1059.41	
8+440	1060.067	1058.97	
	1059.703	1058.60	
8+480	1059.585	1058.48	
8+500	1059.466	1058.37	

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

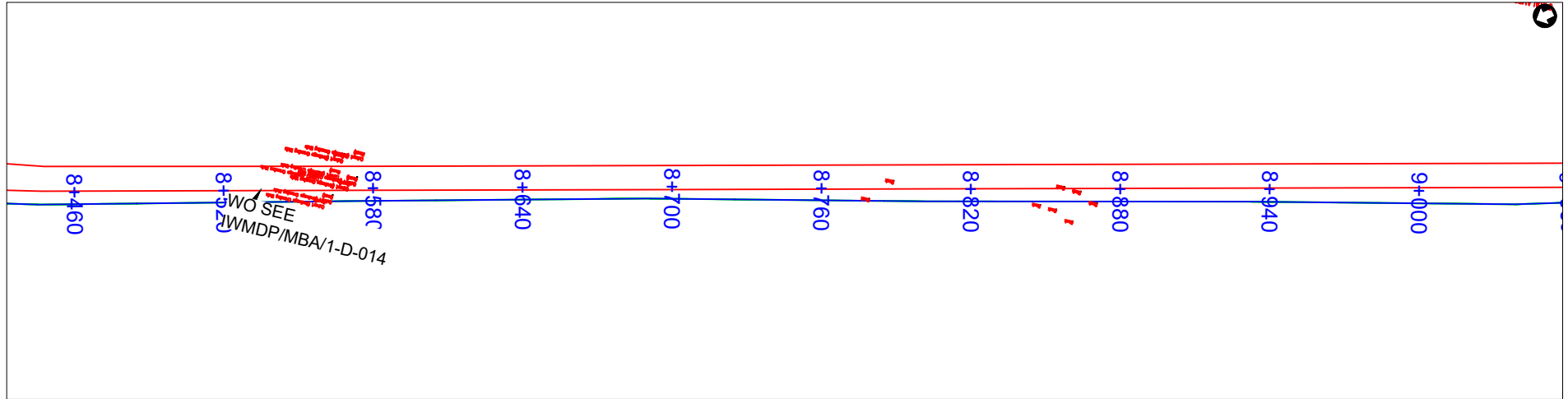
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

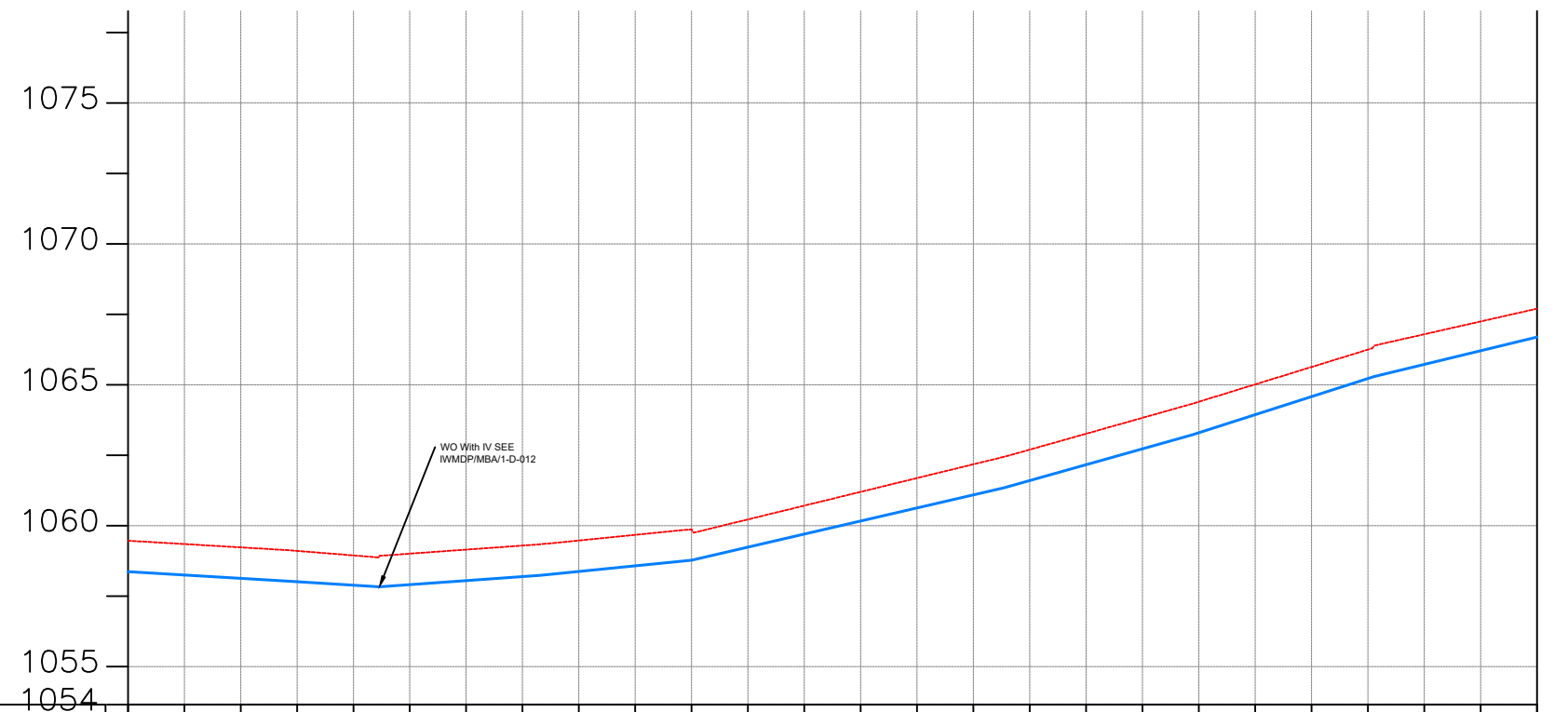
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 8+000.00 - 8+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 8+000.00 - 8+500.00)
Sheet No.: 17	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
8+500	1059.466	OD 200, PN10, uPVC	1058.37
8+520	1059.348		1058.25
8+560	1059.229		1058.13
8+600	1059.104		1058.01
8+640	1058.944		1057.89
8+680	1059.006		1057.91
8+720	1059.150		1058.05
8+760	1059.293		1058.19
8+800	1059.475		1058.37
8+840	1059.673		1058.57
8+880	1059.863		1058.77
8+920	1060.221		1059.24
8+960	1060.711		1059.70
9+000	1061.200		1060.16
	1061.689		1060.63
	1062.178		1061.09
	1062.698		1061.60
	1063.263		1062.16
	1063.827		1062.73
	1064.397		1063.30
	1065.014	1063.94	
	1065.631	1064.58	
	1066.248	1065.22	
	1066.793	1065.72	
	1067.247	1066.21	

**AMENDMENTS**

No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

**REPUBLIC OF UGANDA**

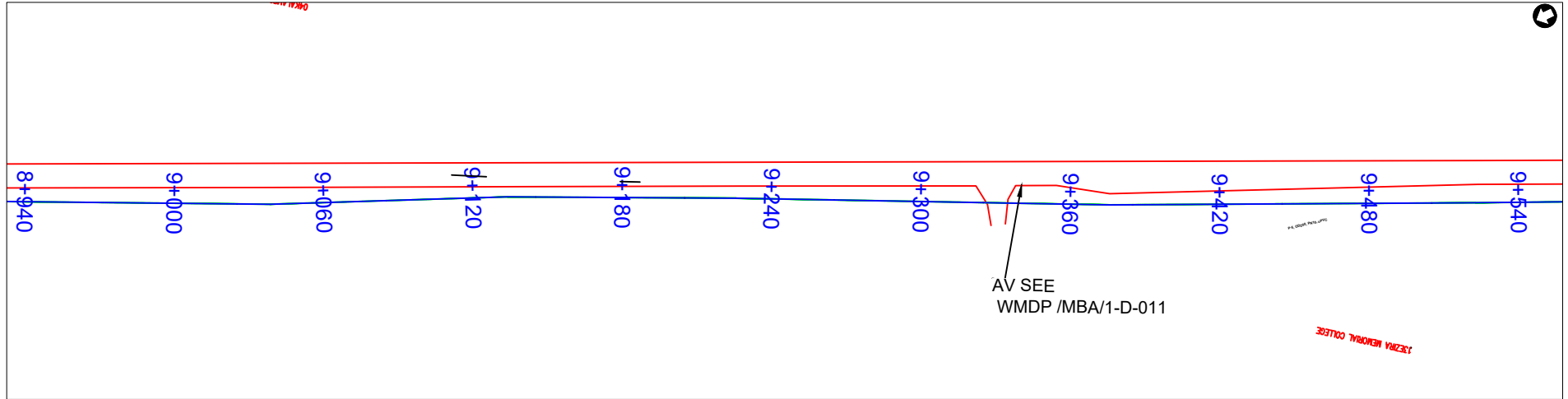
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

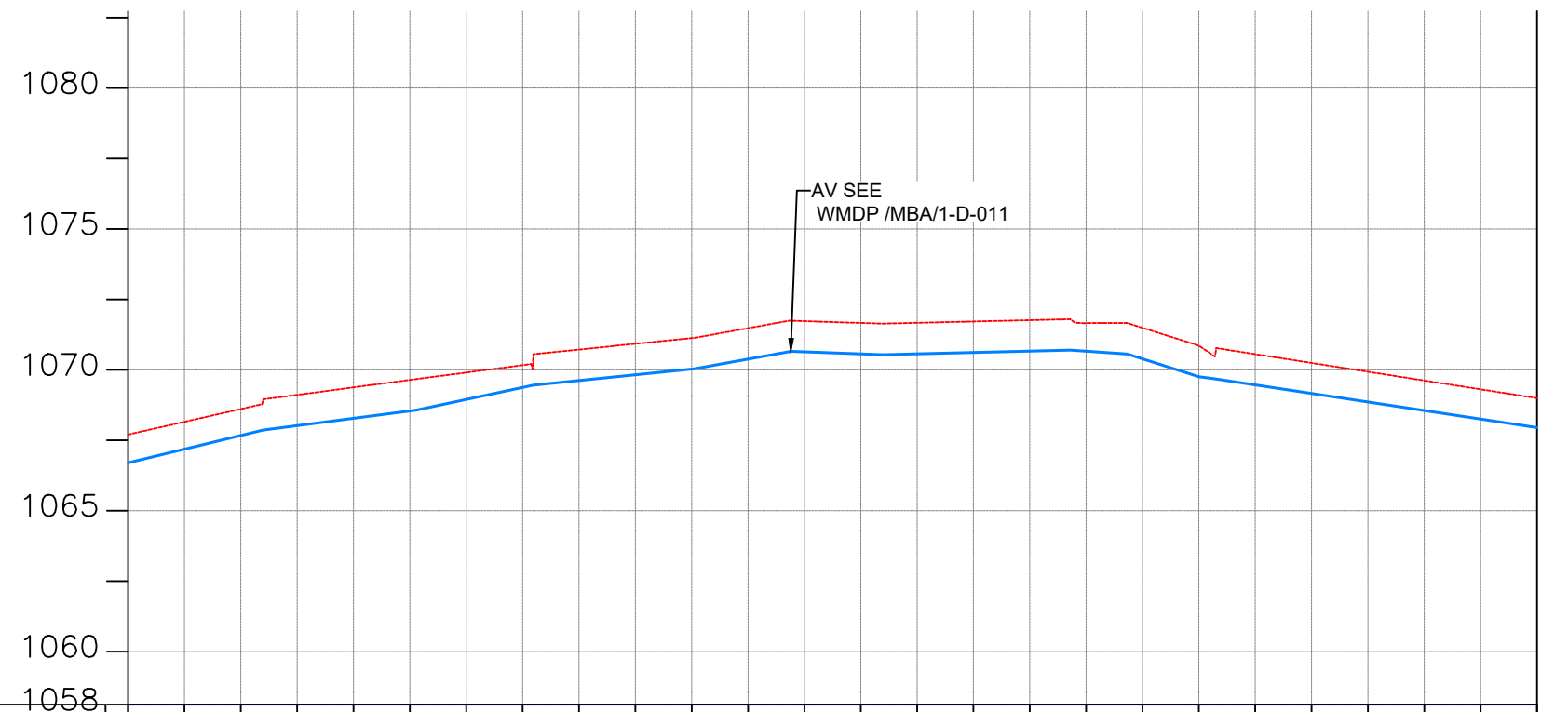
**CONSULTANT:**

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 8+500.00 - 9+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 8+500.00 - 9+000.00)
Sheet No.: 18	Format: A3



**PLAN LAYOUT**



CHAINAGE	9+000		9+040		9+080		9+120		9+160		9+200		9+240		9+280		9+320		9+360		9+400		9+440		9+480	9+500		
GROUND LEVEL(m)	1067.701	1068.154	1068.608	1069.110	1069.376	1069.641	1069.903	1070.164	1070.720	1070.922	1071.124	1071.478	1071.727	1071.664	1071.668	1071.715	1071.762	1071.657	1071.490	1070.857	1070.555	1070.243	1069.930	1069.618	1069.306	1068.994		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1066.70	1067.18	1067.67	1068.02	1068.28	1068.54	1068.95	1069.38	1069.62	1069.82	1070.02	1070.38	1070.64	1070.57	1070.57	1070.61	1070.66	1070.66	1070.39	1069.76	1069.46	1069.16	1068.86	1068.55	1068.25	1067.95		

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

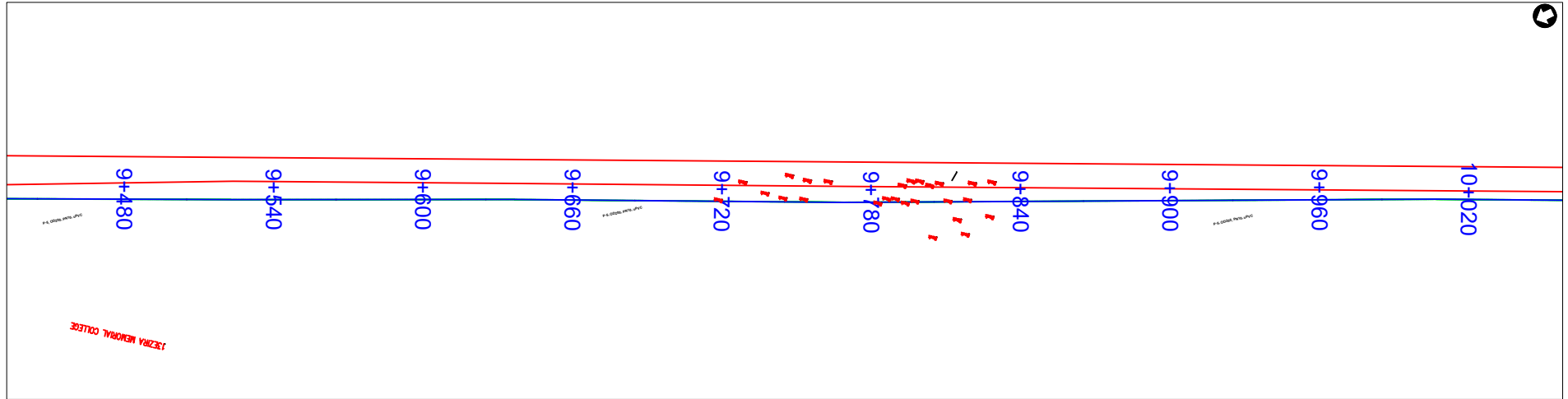
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

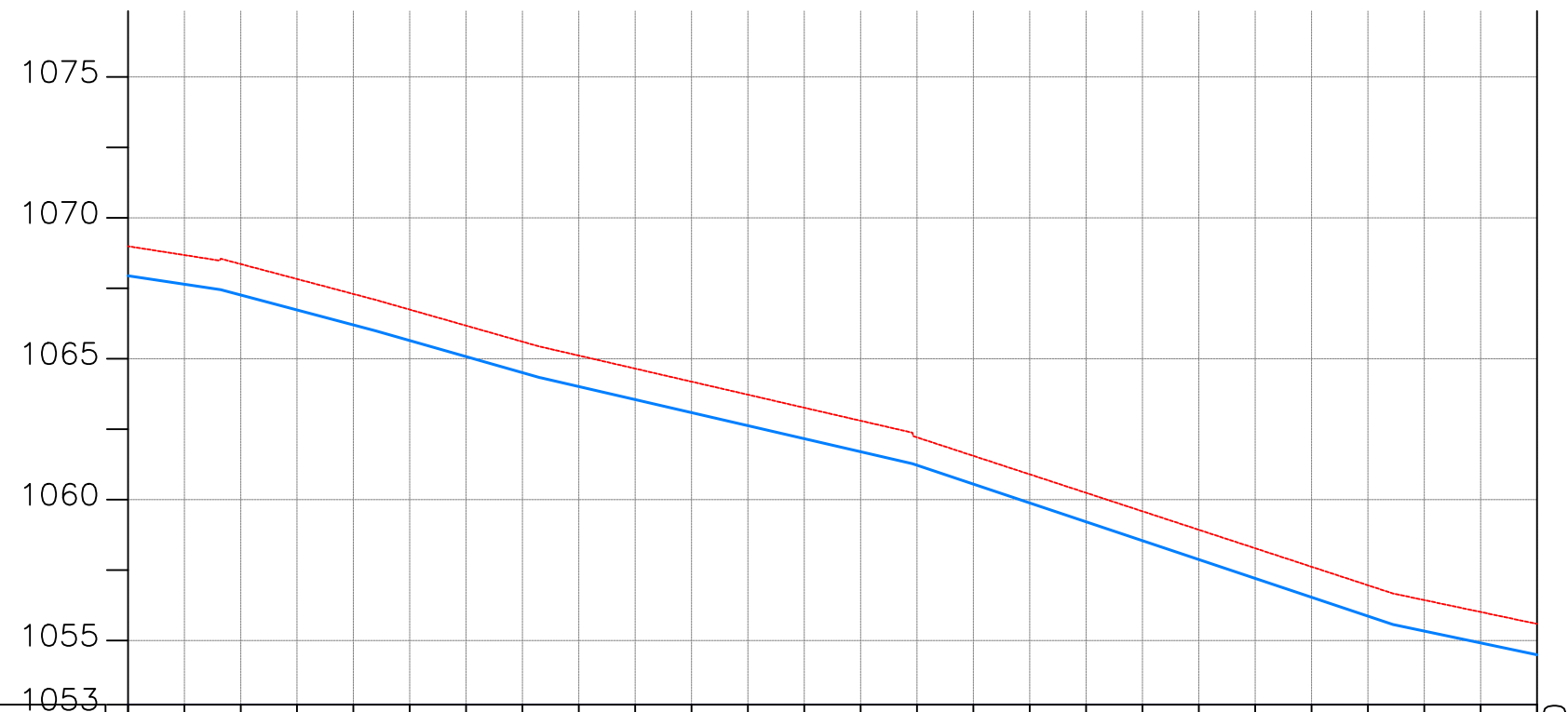
**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 9+000.00 - 9+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 9+000.00 - 9+500.00)	Sheet No.: 19
Format: A3	





**PLAN LAYOUT**



CHAINAGE	9+500	9+520	9+560	9+600	9+640	9+680	9+720	9+760	9+800	9+840	9+880	9+920	9+960	10+000												
GROUND LEVEL(m)	1068.994	1068.681	1068.362	1067.831	1067.300	1066.746	1066.176	1065.606	1065.113	1064.651	1064.188	1063.726	1063.263	1062.800	1062.211	1061.555	1060.899	1060.243	1059.587	1058.931	1058.275	1057.618	1056.962	1056.436	1056.014	1055.591
PIPE DETAILS	OD 200, PN10, uPVC																									
PIPE INVERT(m)	1067.95	1067.65	1067.26	1066.73	1066.20	1065.65	1065.08	1064.51	1064.01	1063.55	1063.09	1062.63	1062.16	1061.70	1061.22	1060.55	1059.88	1059.21	1058.54	1057.88	1057.21	1056.54	1055.87	1055.34	1054.91	1054.49

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- - - Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

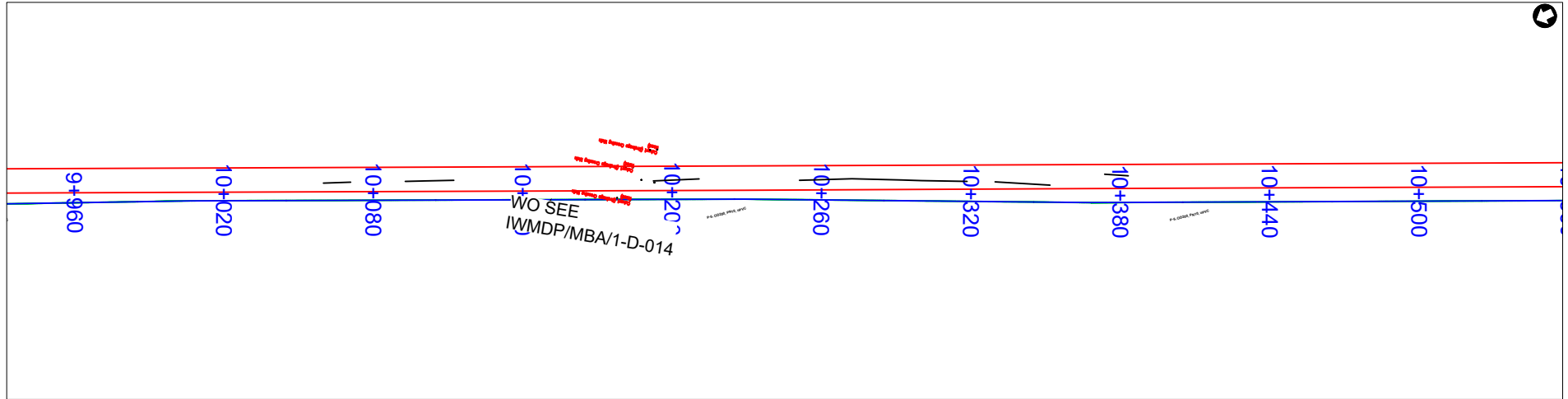
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

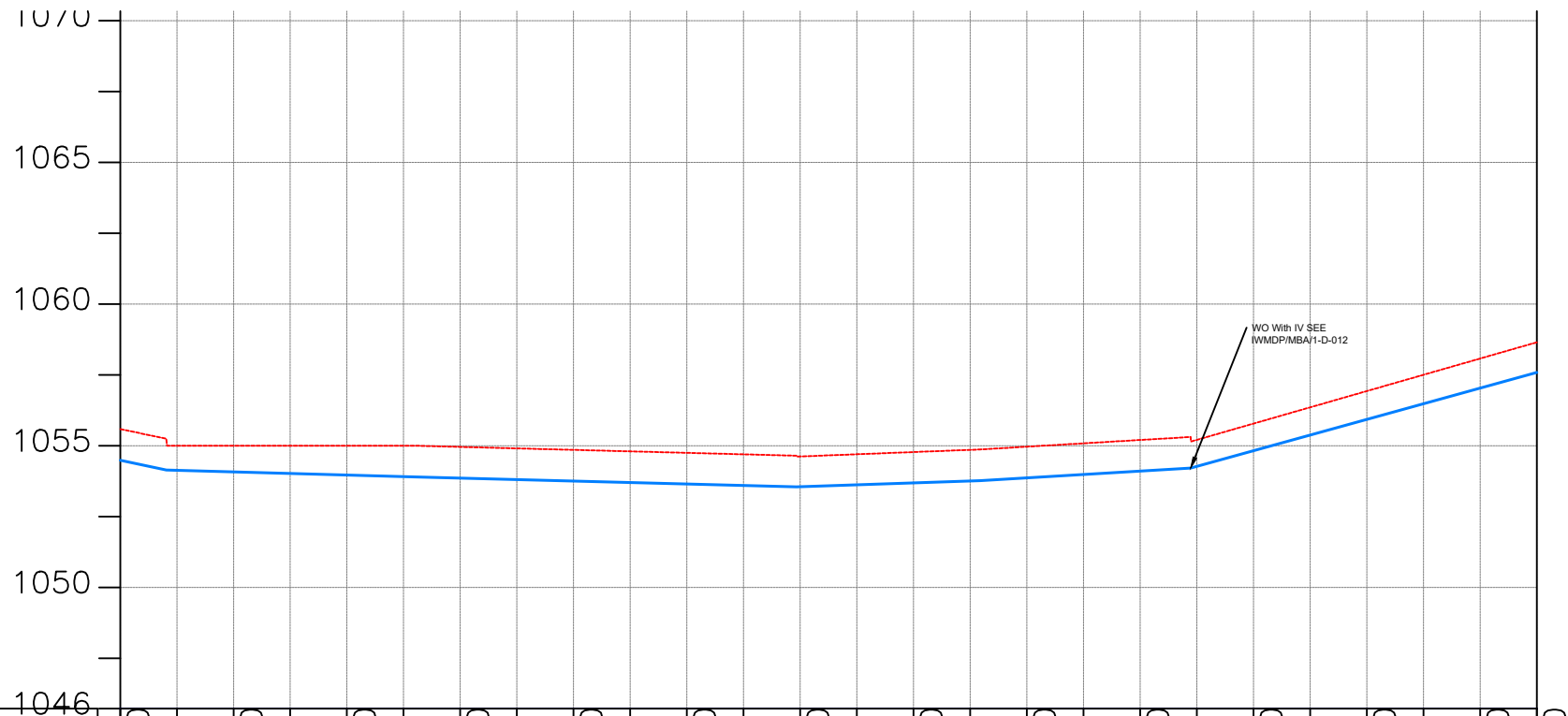
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 9+500.00 - 10+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 9+500.00 - 10+000.00)	
Sheet No.: 20	Format: A3



**PLAN LAYOUT**



CHAINAGE	10+000		10+040		10+080		10+120		10+160		10+200		10+240		10+280		10+320		10+360		10+400		10+440		10+480	10+500		
GROUND LEVEL(m)	1055.591	1055.002	1055.002	1055.002	1055.002	1055.002	1054.961	1054.908	1054.856	1054.804	1054.751	1054.699	1054.623	1054.701	1054.779	1054.857	1054.968	1055.087	1055.205	1055.209	1055.783	1056.357	1056.931	1057.505	1058.079	1058.653		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1054.49	1054.14	1054.08	1054.03	1053.97	1053.91	1053.86	1053.81	1053.76	1053.70	1053.65	1053.60	1053.55	1053.62	1053.69	1053.76	1053.87	1053.99	1054.11	1054.27	1054.82	1055.38	1055.93	1056.48	1057.04	1057.59		

**AMENDMENTS**

No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA

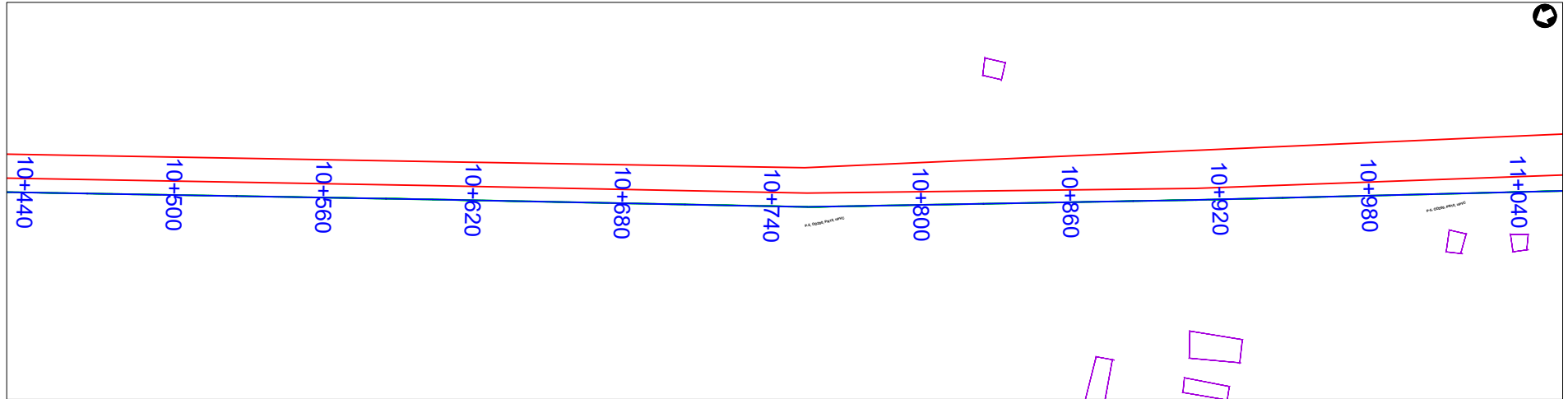
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

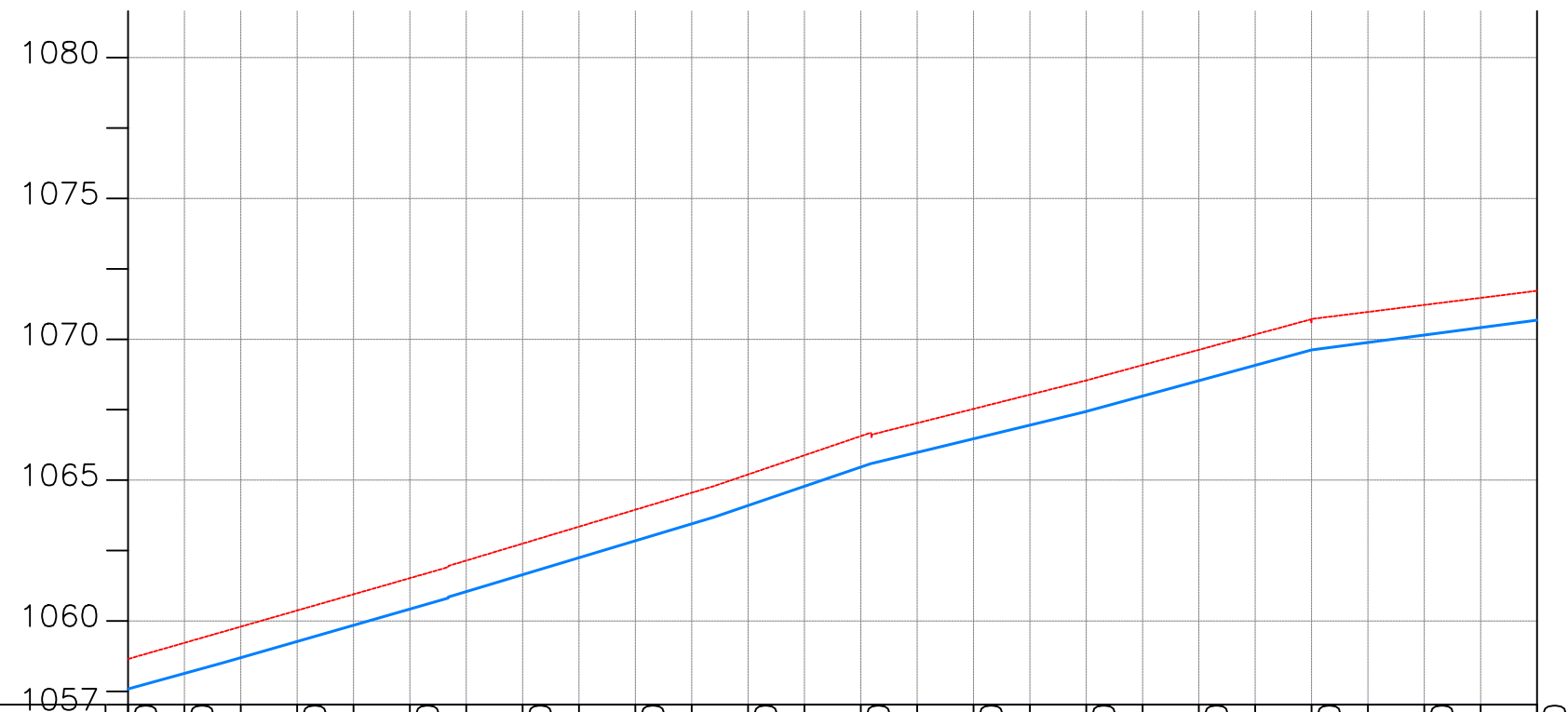
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 10+000.00 - 10+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: I/WMDP/MBA/TL TO TIRINYI (CH 10+000.00 - 10+500.00)	
Sheet No.: 21	Format: A3



**PLAN LAYOUT**



CHAINAGE	10+500	10+520	10+560	10+600	10+640	10+680	10+720	10+760	10+800	10+840	10+880	10+920	10+960	11+000														
GROUND LEVEL(m)	1058.653	1059.227	1059.801	1060.375	1060.949	1061.523	1062.146	1062.748	1063.349	1063.951	1064.552	1065.201	1065.882	1066.563	1067.024	1067.529	1068.033	1068.540	1069.083	1069.627	1070.171	1070.720	1070.970	1071.220	1071.470	1071.720		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1057.59	1058.14	1058.70	1059.28	1059.85	1060.42	1061.05	1061.65	1062.25	1062.85	1063.45	1064.10	1064.78	1065.46	1065.98	1066.47	1066.95	1067.44	1067.99	1068.53	1069.08	1069.62	1069.89	1070.15	1070.41	1070.68		

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

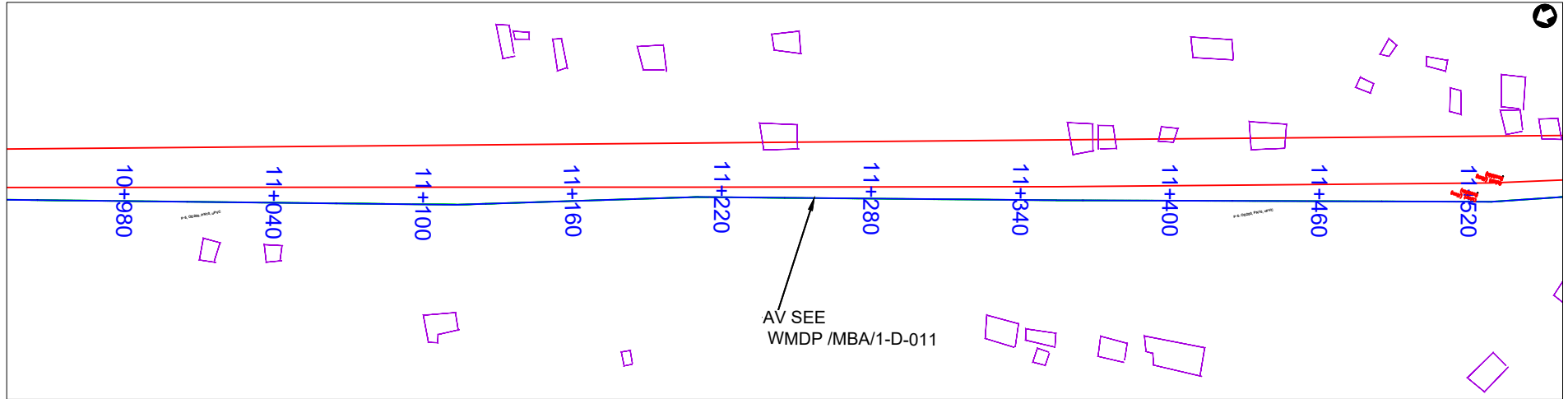
CONSULTANT:



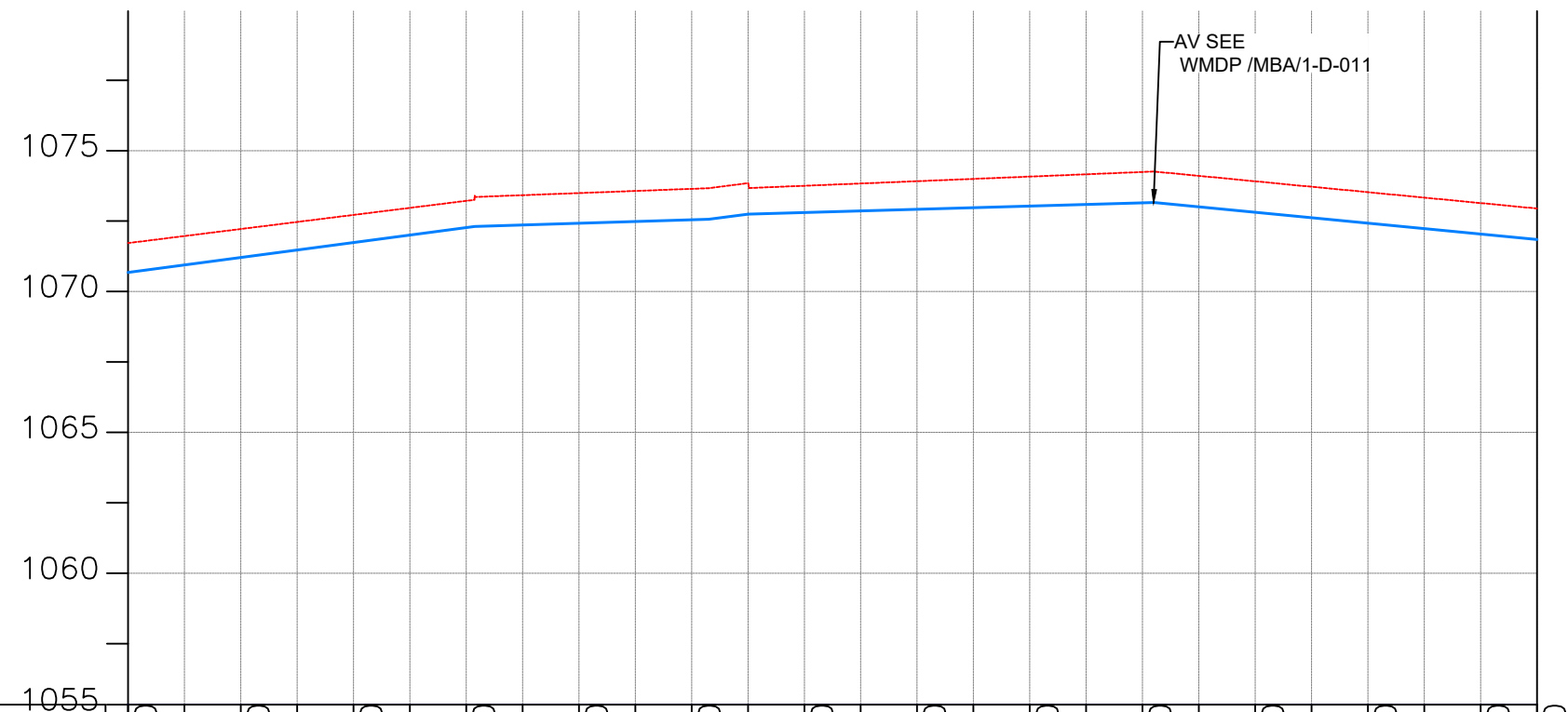


**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 10+500.00 - 11+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 10+500.00 - 11+000.00)	Sheet No.: 22
Format: A3	



**PLAN LAYOUT**



CHAINAGE	11+000		11+040		11+080		11+120		11+160		11+200		11+240		11+280		11+320		11+360		11+400		11+440		11+480	11+500		
GROUND LEVEL(m)	1071.720	1071.969	1072.219	1072.469	1072.719	1072.969	1073.219	1073.419	1073.495	1073.570	1073.645	1073.848	1073.753	1073.835	1073.916	1073.998	1074.079	1074.161	1074.242	1074.105	1073.912	1073.719	1073.526	1073.333	1073.140	1072.947		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1070.68	1070.94	1071.21	1071.47	1071.74	1072.00	1072.27	1072.36	1072.42	1072.49	1072.55	1072.75	1072.81	1072.86	1072.92	1072.98	1073.03	1073.09	1073.15	1073.01	1072.81	1072.62	1072.43	1072.23	1072.04	1071.85		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

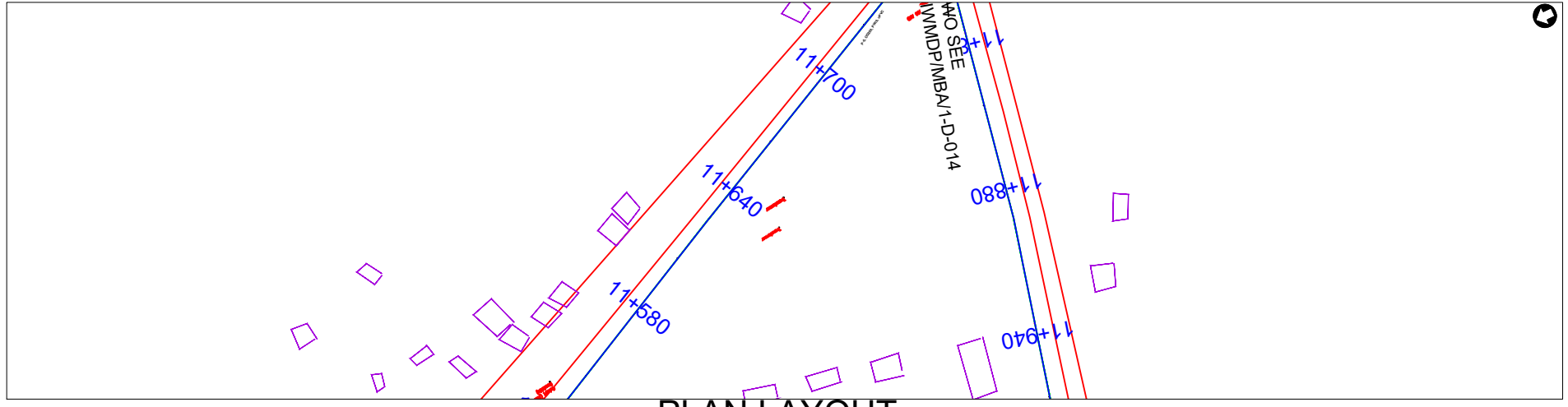
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

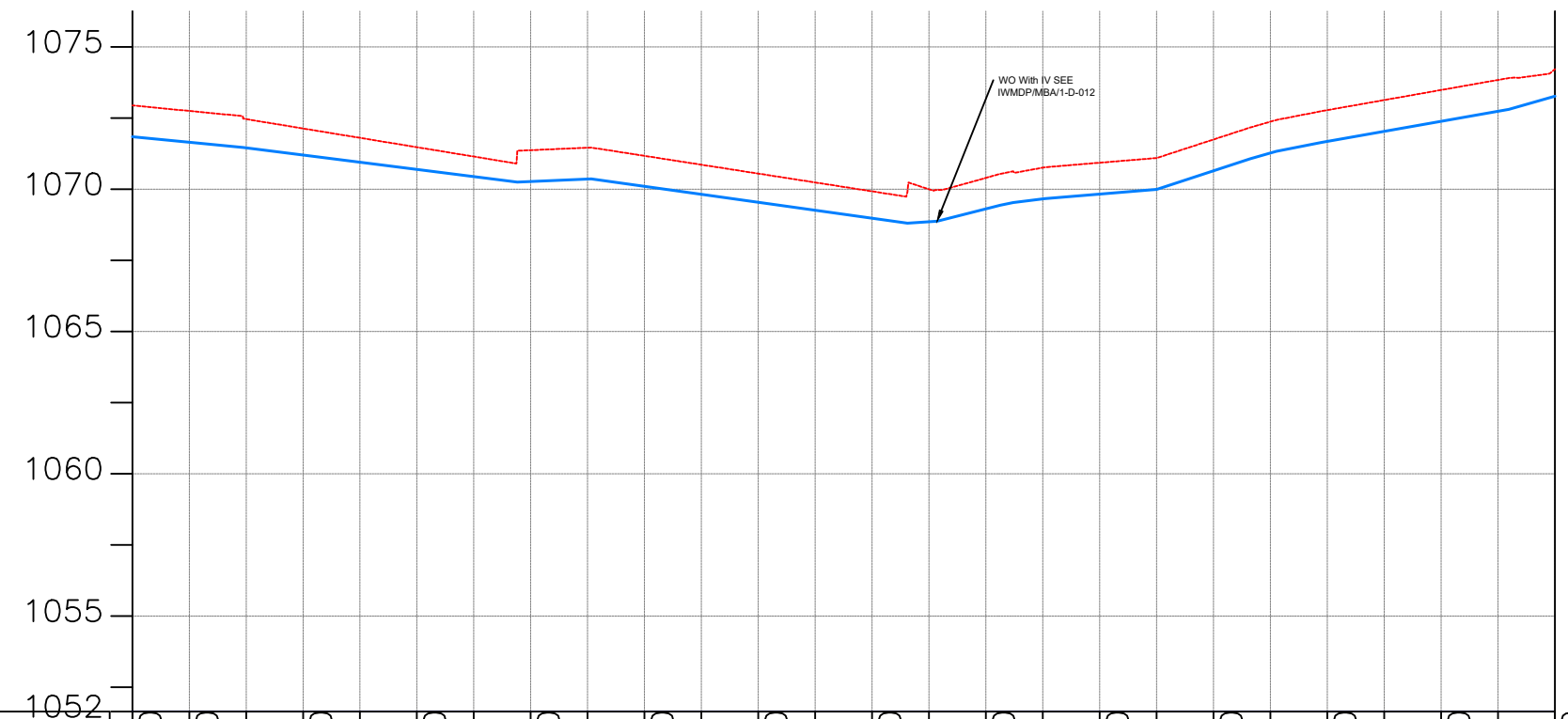
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 11+000.00 - 11+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 11+000.00 - 11+500.00)	Sheet No.: 23
Format: A3	



**PLAN LAYOUT**



CHAINAGE	11+500	11+520	11+560	11+600	11+640	11+680	11+720	11+760	11+800	11+840	11+880	11+920	11+960	12+000														
GROUND LEVEL(m)	1072.947	1072.753	1072.465	1072.137	1071.808	1071.479	1071.150	1071.374	1071.461	1071.175	1070.863	1070.551	1070.240	1069.928	1070.000	1070.401	1070.761	1070.933	1071.098	1071.749	1072.376	1072.782	1073.135	1073.489	1073.843			
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1071.85	1071.65	1071.46	1071.20	1070.95	1070.70	1070.45	1070.27	1070.36	1070.10	1069.82	1069.54	1069.26	1068.98	1068.86	1069.31	1069.66	1069.83	1070.00	1070.65	1071.28	1071.68	1072.04	1072.39	1072.74			

**AMENDMENTS**

No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

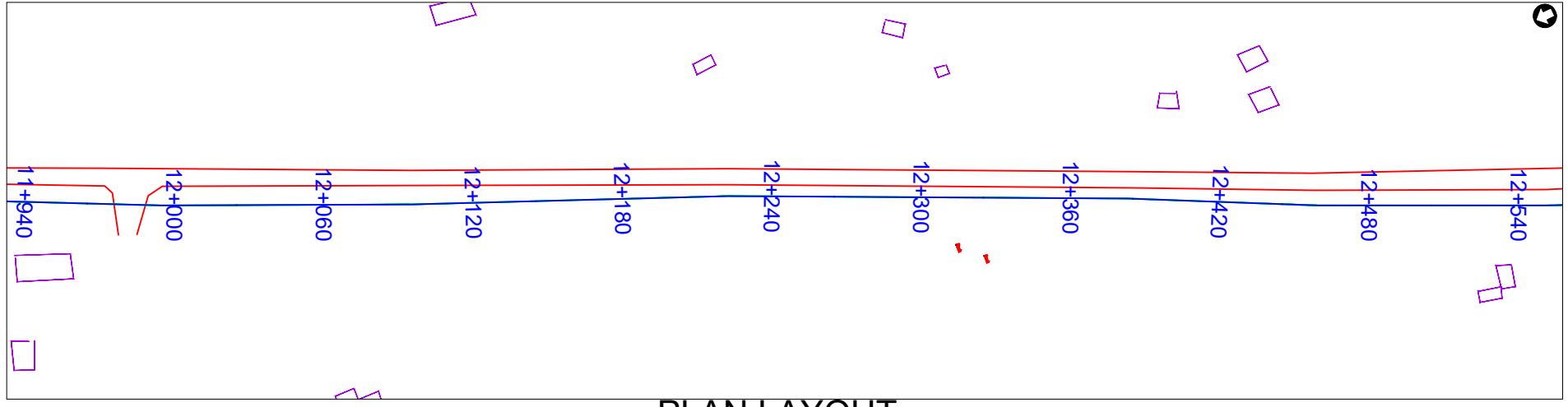
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

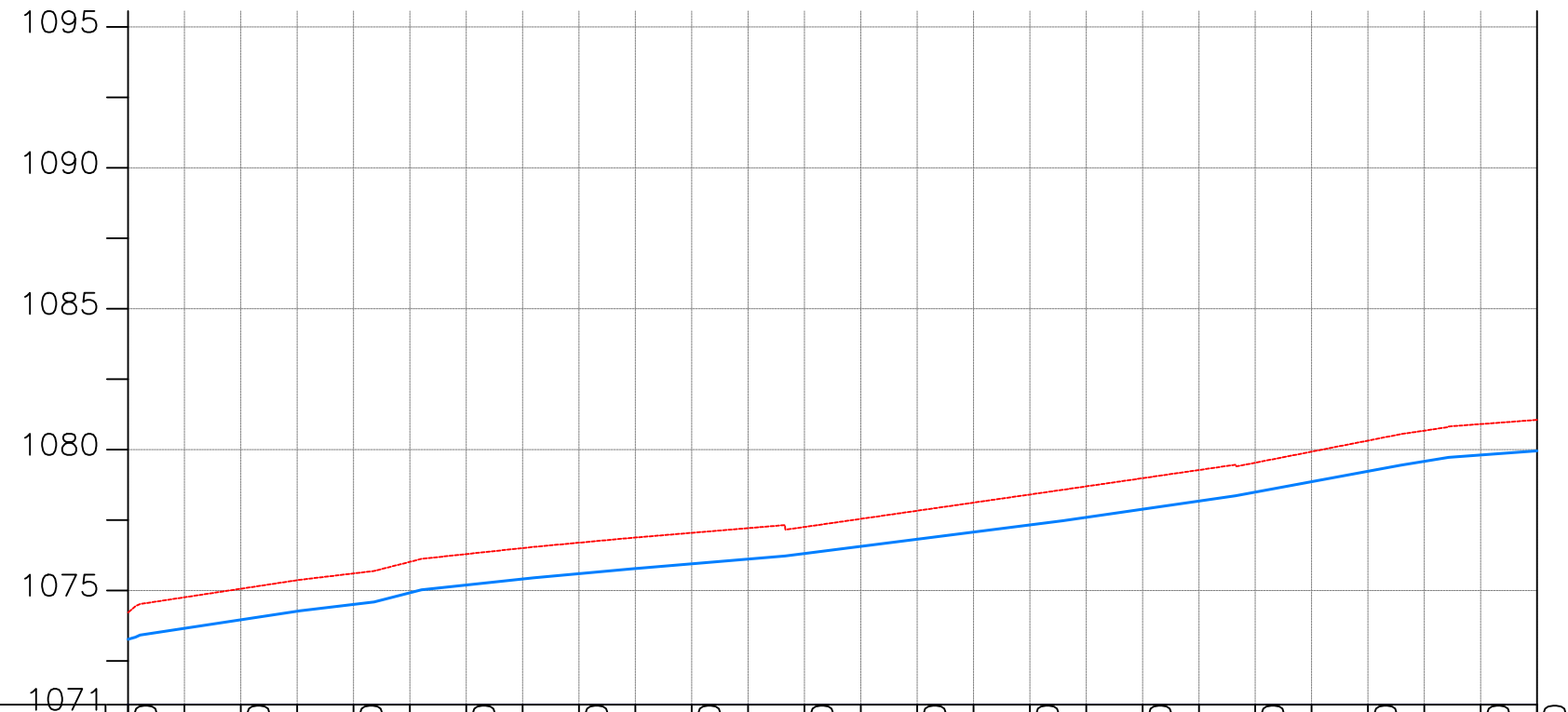
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 11+500.00 - 12+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MB/TL TO TIRINYI (CH 11+500.00 - 12+000.00)	
Sheet No.: 24	Format: A3



**PLAN LAYOUT**



CHAINAGE	12+000		12+040		12+080		12+120		12+160		12+200		12+240		12+280		12+320		12+360		12+400		12+440		12+480	12+500		
GROUND LEVEL(m)	1074.220	1074.758	1075.061	1075.365	1075.606	1076.017	1076.292	1076.506	1076.696	1076.880	1077.046	1077.213	1077.254	1077.542	1077.830	1078.118	1078.406	1078.695	1078.986	1079.276	1079.535	1079.928	1080.320	1080.674	1080.907	1081.055		
PIPE DETAILS	OD 200, PN10, uPVC																											
PIPE INVERT(m)	1073.27	1073.66	1073.96	1074.26	1074.51	1074.92	1075.19	1075.41	1075.60	1075.78	1075.95	1076.11	1076.31	1076.56	1076.82	1077.07	1077.33	1077.60	1077.89	1078.18	1078.49	1078.86	1079.23	1079.58	1079.81	1079.96		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

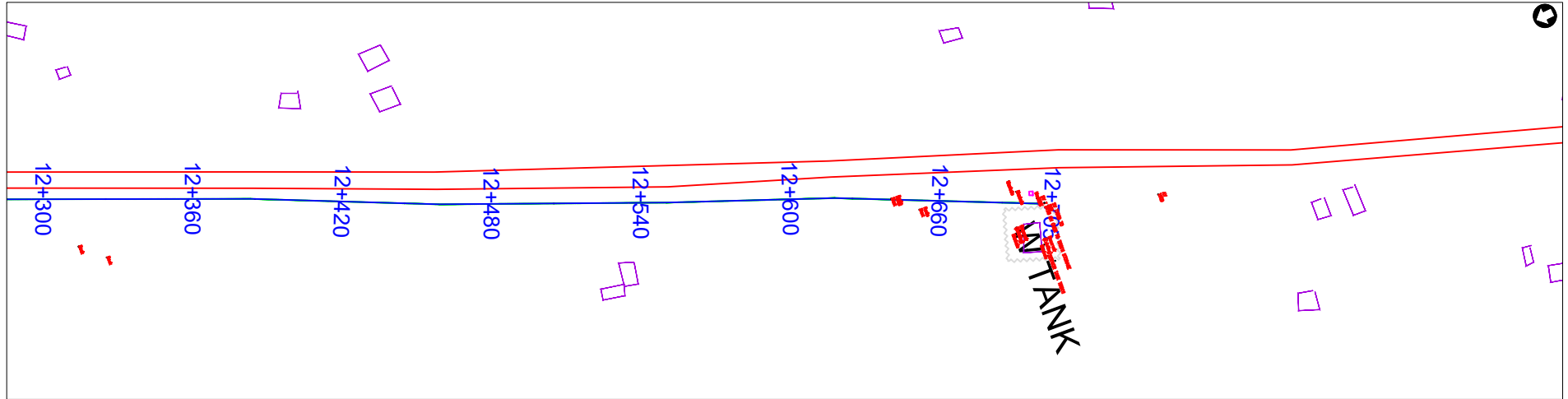
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

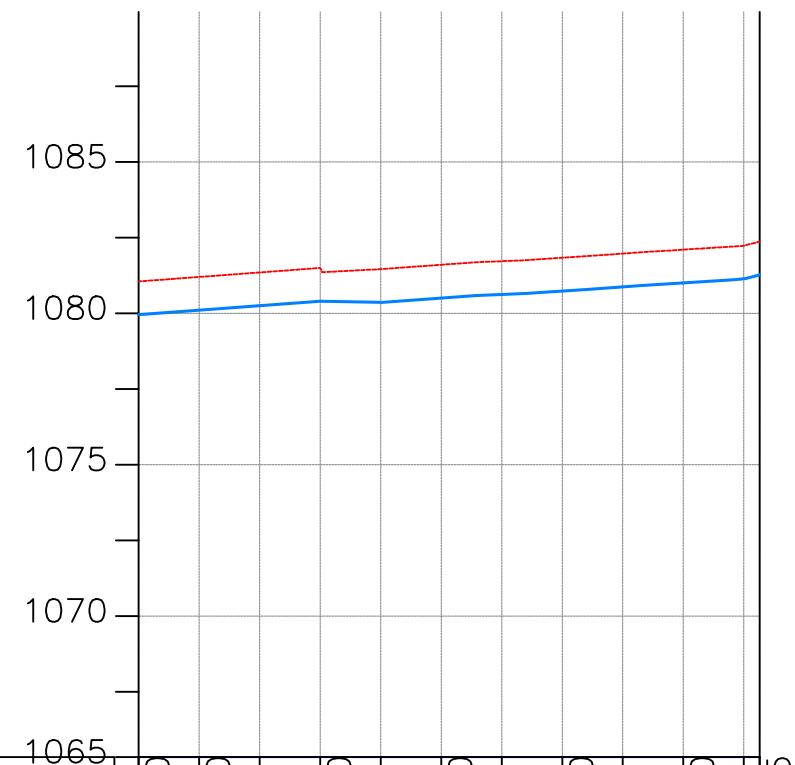
**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 12+000.00 - 12+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 12+000.00 - 12+500.00)	Sheet No.: 25
Format: A3	





**PLAN LAYOUT**



CHAINAGE	12+500	12+520		12+560		12+600		12+640		12+680	12+705
GROUND LEVEL(m)	1081.055	1081.204	1081.353	1081.492	1081.463	1081.607	1081.724	1081.838	1081.976	1082.106	1082.372
PIPE DETAILS	OD 200, PN10, uPVC										
PIPE INVERT(m)	1079.96	1080.10	1080.25	1080.40	1080.37	1080.51	1080.62	1080.74	1080.88	1081.01	1081.14

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

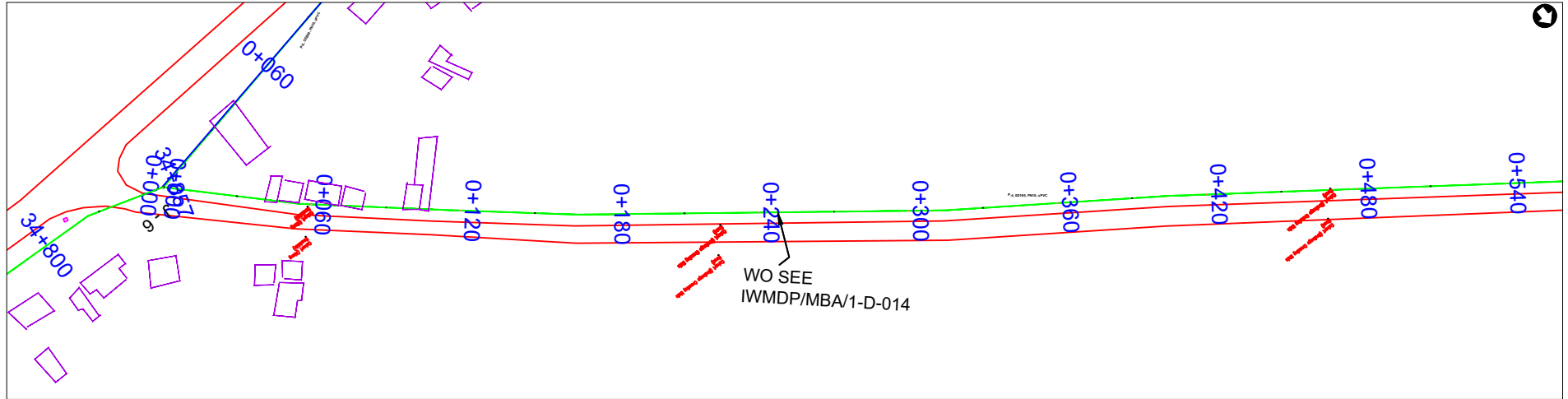
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

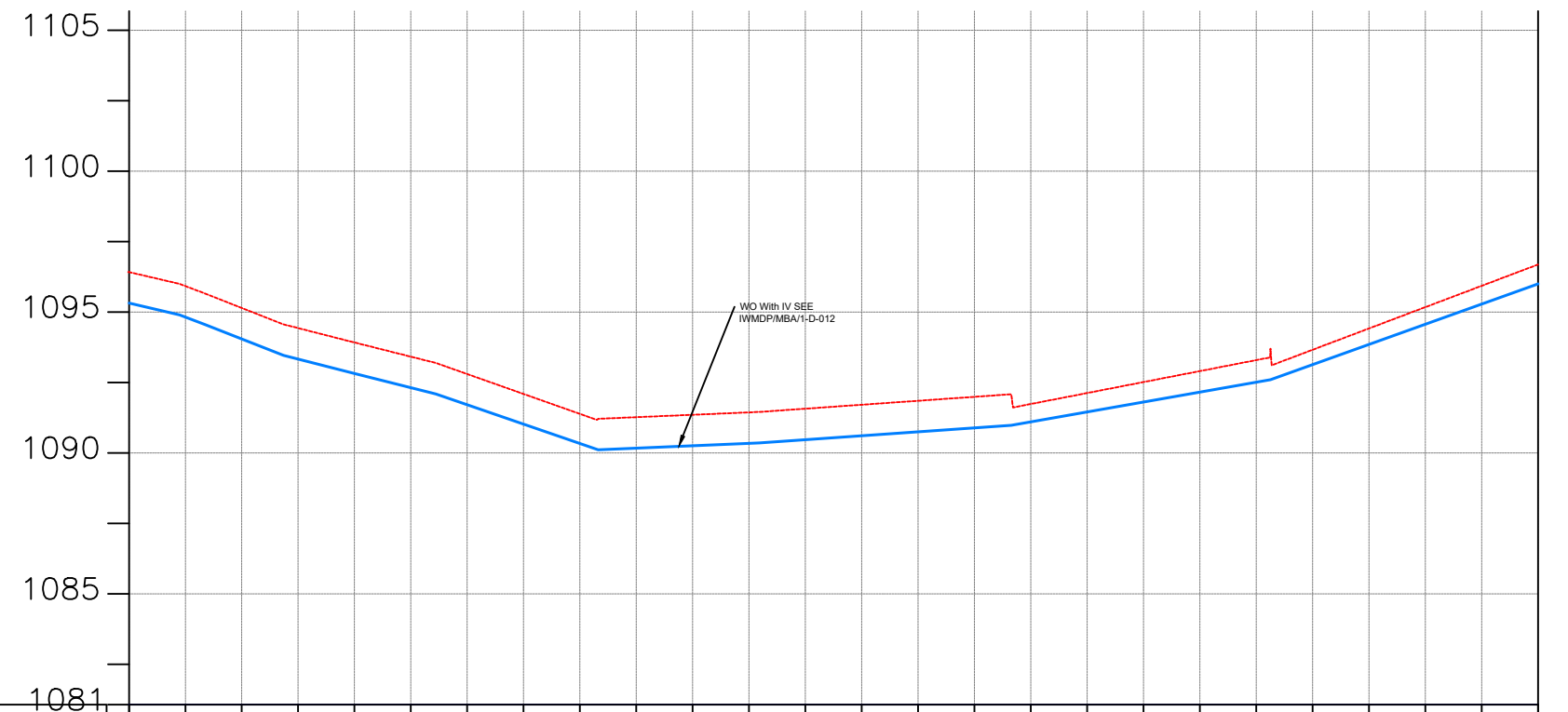
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO TIRINYI (CH 12+500.00 - 12+705.23)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO TIRINYI (CH 12+500.00 - 12+705.23)	
Sheet No.: 26	Format: A3



**PLAN LAYOUT**



CHAINAGE	0+000		0+040		0+080		0+120		0+160		0+200		0+240		0+280		0+320		0+360		0+400		0+440		0+480	0+500		
GROUND LEVEL(m)	1096.420	1095.922	1095.146	1094.431	1093.921	1093.417	1092.801	1092.094	1091.388	1091.269	1091.355	1091.440	1091.570	1091.711	1091.851	1091.992	1091.737	1092.126	1092.516	1092.905	1093.295	1093.661	1094.418	1095.174	1095.931	1096.688		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1095.32	1094.82	1094.05	1093.33	1092.82	1092.32	1091.71	1091.02	1090.33	1090.17	1090.25	1090.34	1090.47	1090.61	1090.75	1090.89	1091.11	1091.46	1091.81	1092.16	1092.51	1093.13	1093.85	1094.57	1095.28	1096.00		

**AMENDMENTS**

No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

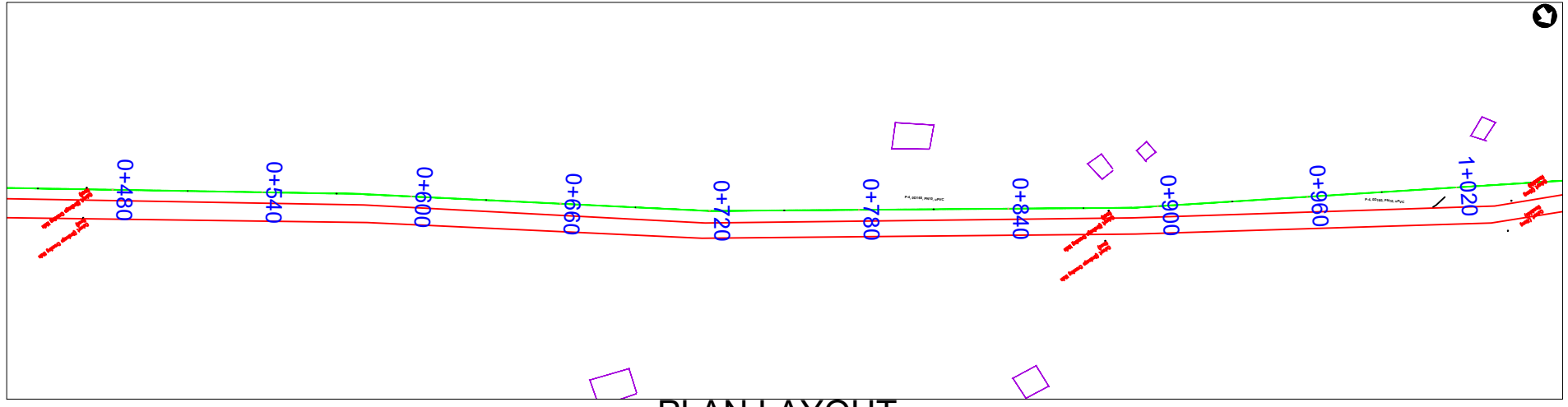
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

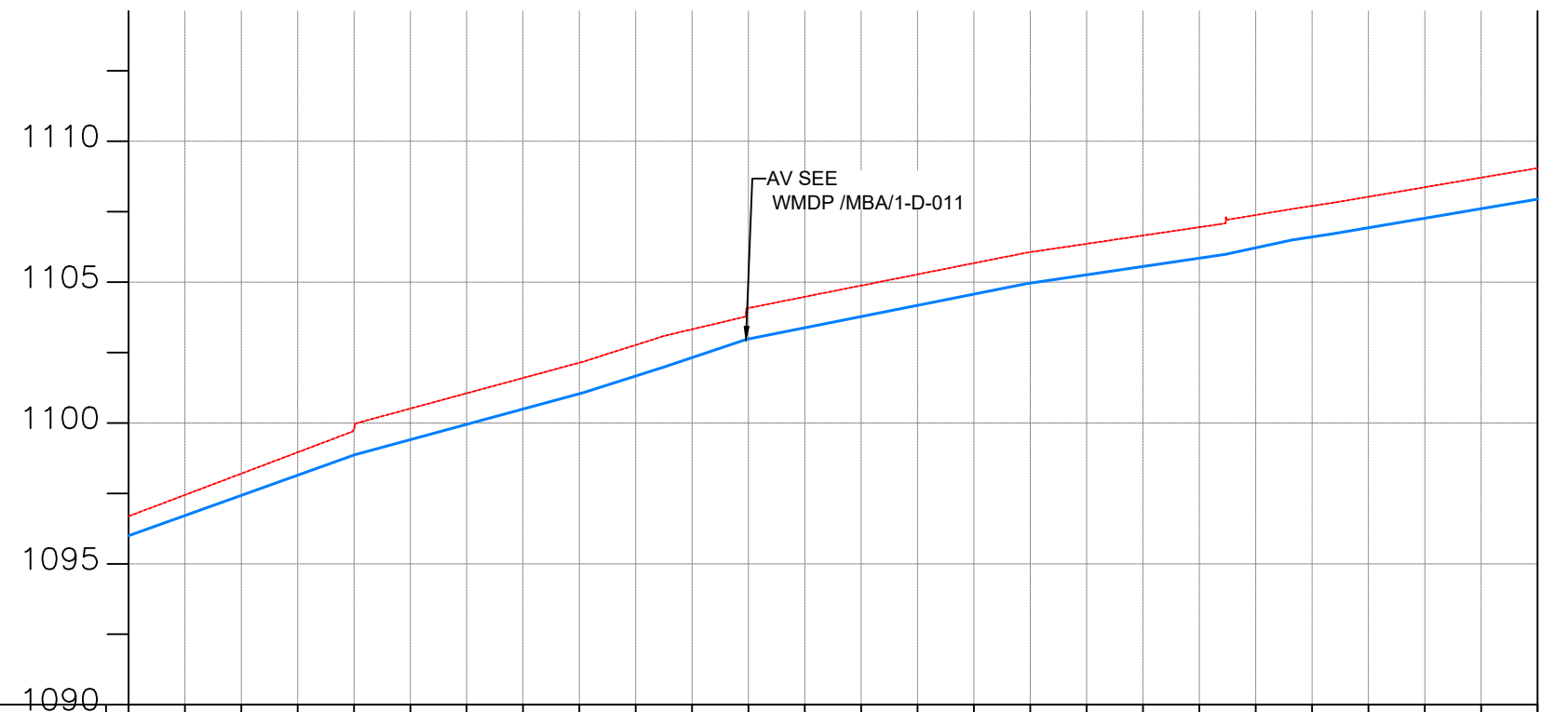
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 0+000.00 - 0+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 0+000.00 - 0+500.00)	Sheet No.: 1
Format: A3	



**PLAN LAYOUT**



CHAINAGE	0+500	0+520		0+560		0+600		0+640		0+680		0+720		0+760		0+800		0+840		0+880		0+920		0+960		1+000		
GROUND LEVEL(m)	1096.688	1097.444	1098.201	1098.958	1099.780	1100.510	1101.053	1101.596	1102.139	1102.768	1103.324	1104.079	1104.477	1104.876	1105.274	1105.672	1106.063	1106.358	1106.653	1106.948	1107.380	1107.701	1108.027	1108.366	1108.705	1109.043		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1096.00	1096.72	1097.43	1098.15	1098.86	1099.41	1099.95	1100.50	1101.04	1101.67	1102.32	1102.98	1103.38	1103.78	1104.17	1104.57	1104.96	1105.26	1105.55	1105.85	1106.22	1106.60	1106.93	1107.27	1107.60	1107.94		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

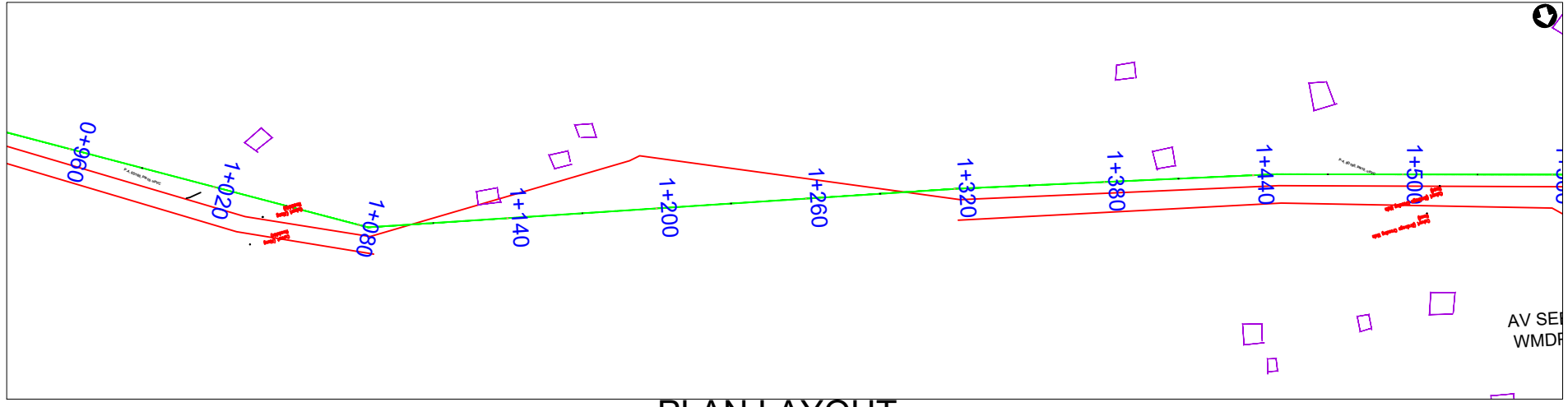
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

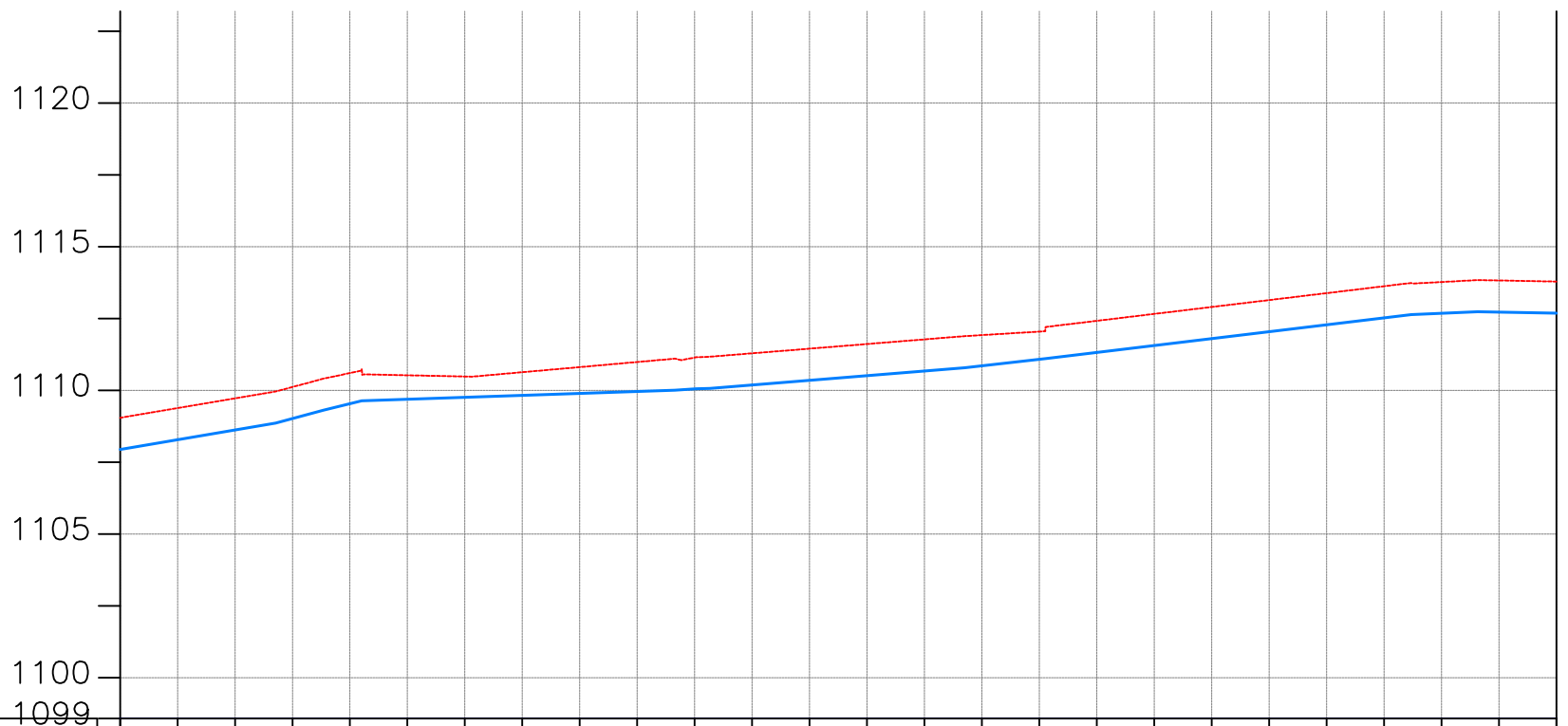
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 0+500.00 - 1+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 0+500.00 - 1+000.00)	
Sheet No.: 2	Format: A3



**PLAN LAYOUT**



CHAINAGE	1+000		1+040		1+080		1+120		1+160		1+200		1+240		1+280		1+320		1+360		1+400		1+440		1+480	1+500		
GROUND LEVEL(m)	1109.043	1109.382	1109.721	1110.117	1110.602	1110.525	1110.482	1110.632	1110.809	1110.987	1111.143	1111.289	1111.451	1111.612	1111.774	1111.923	1112.045	1112.420	1112.661	1112.902	1113.142	1113.383	1113.624	1113.771	1113.825	1113.787		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1107.94	1108.28	1108.62	1109.02	1109.54	1109.69	1109.76	1109.83	1109.89	1109.96	1110.05	1110.19	1110.35	1110.51	1110.67	1110.85	1111.08	1111.32	1111.56	1111.80	1112.04	1112.28	1112.52	1112.68	1112.73	1112.69		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

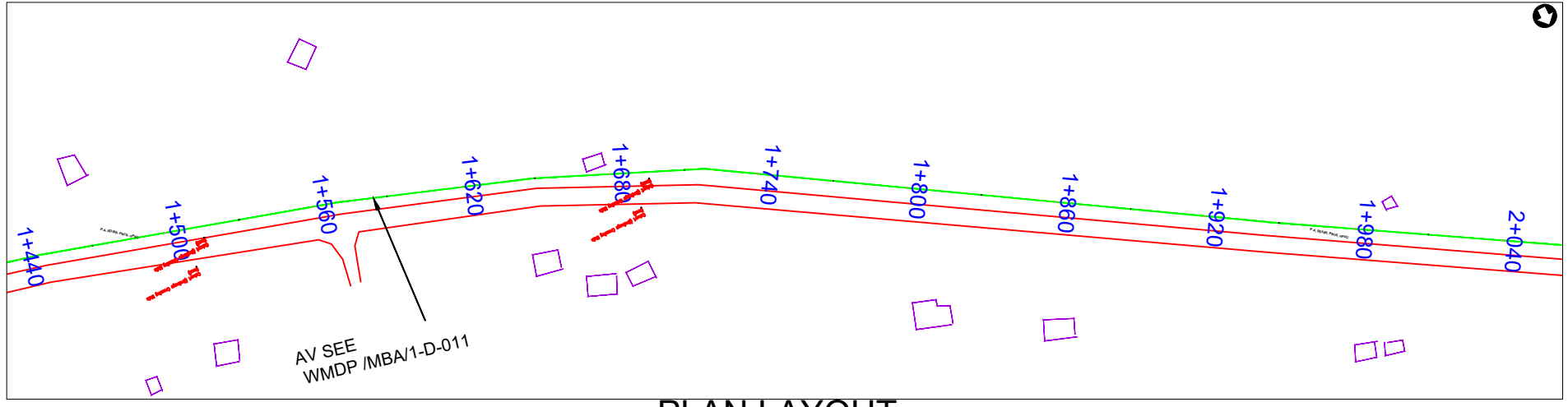
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

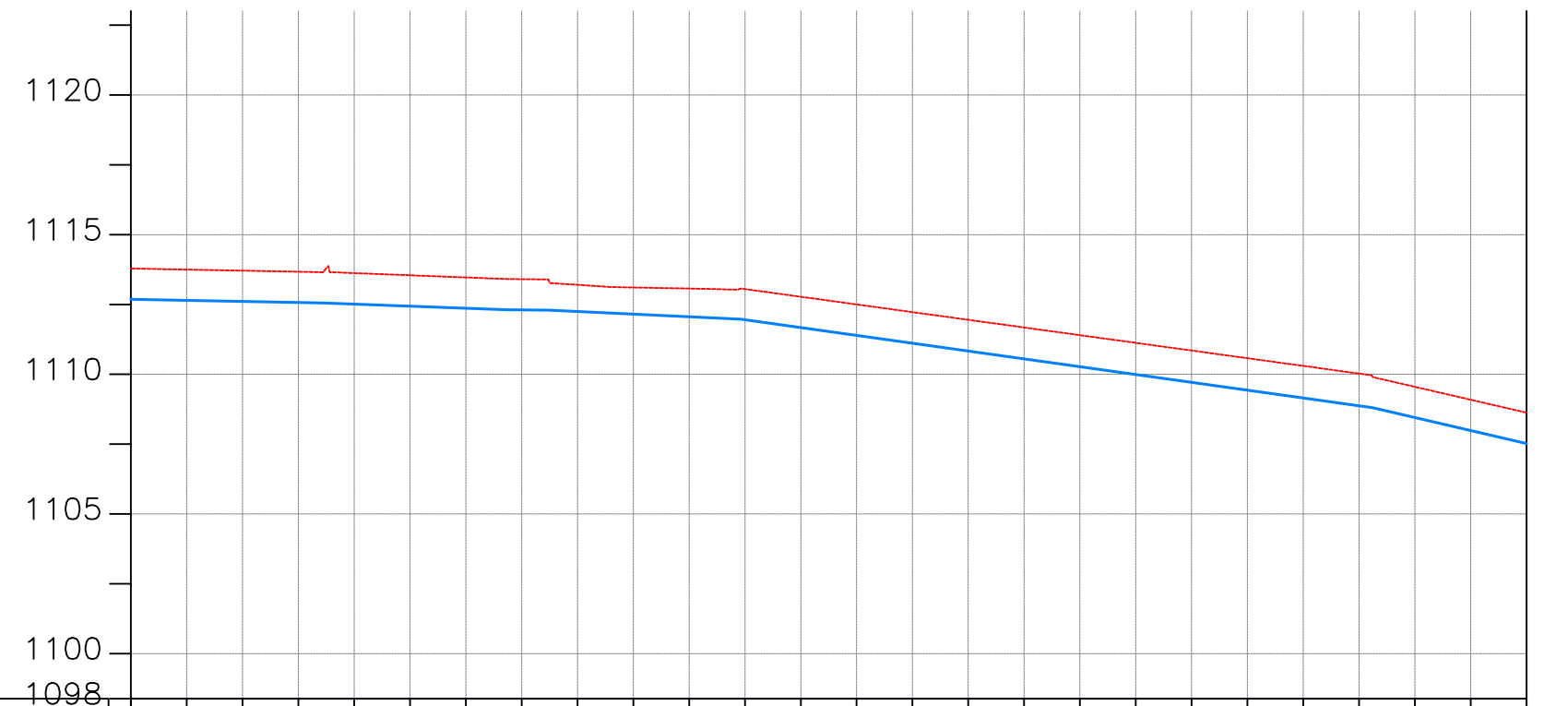
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 1+000.00 - 1+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 1+000.00 - 1+500.00)	Sheet No.: 3
Format: A3	



**PLAN LAYOUT**



CHAINAGE	1+500	1+520	1+560	1+600	1+640	1+680	1+720	1+760	1+800	1+840	1+880	1+920	1+960	2+000												
GROUND LEVEL(m)	1113.787	1113.748	1113.710	1113.671	1113.622	1113.545	1113.468	1113.405	1113.204	1113.108	1113.070	1113.051	1112.776	1112.501	1112.226	1111.951	1111.676	1111.401	1111.126	1110.851	1110.576	1110.301	1110.026	1109.552	1109.090	1108.627
PIPE DETAILS	OD 160, PN10, uPVC																									
PIPE INVERT(m)	1112.69	1112.65	1112.61	1112.57	1112.51	1112.44	1112.37	1112.31	1112.25	1112.15	1112.06	1111.95	1111.67	1111.39	1111.11	1110.83	1110.55	1110.27	1109.99	1109.71	1109.43	1109.15	1108.87	1108.45	1107.99	1107.52

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

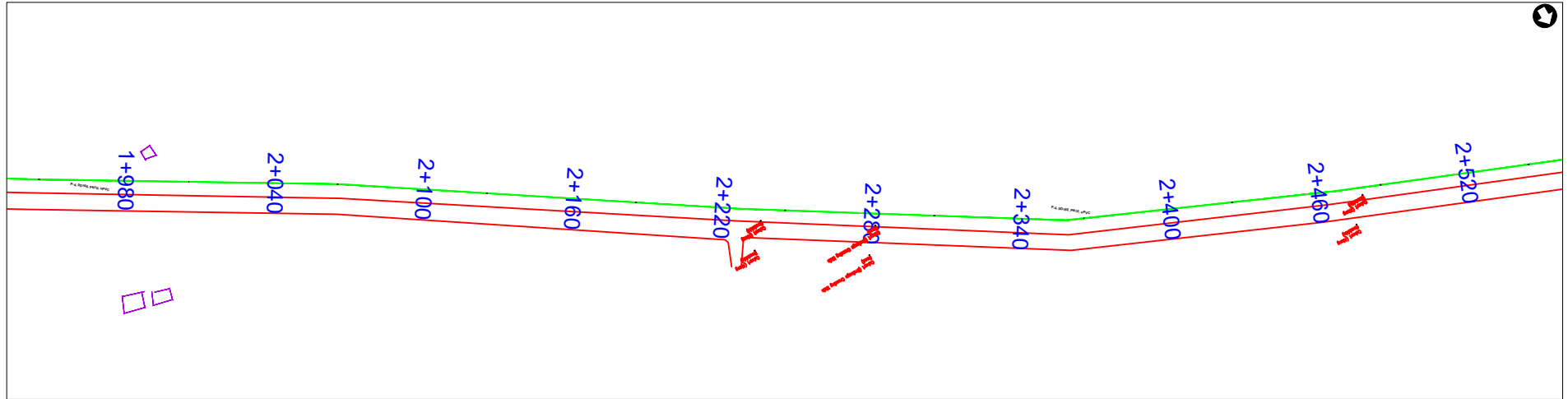
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

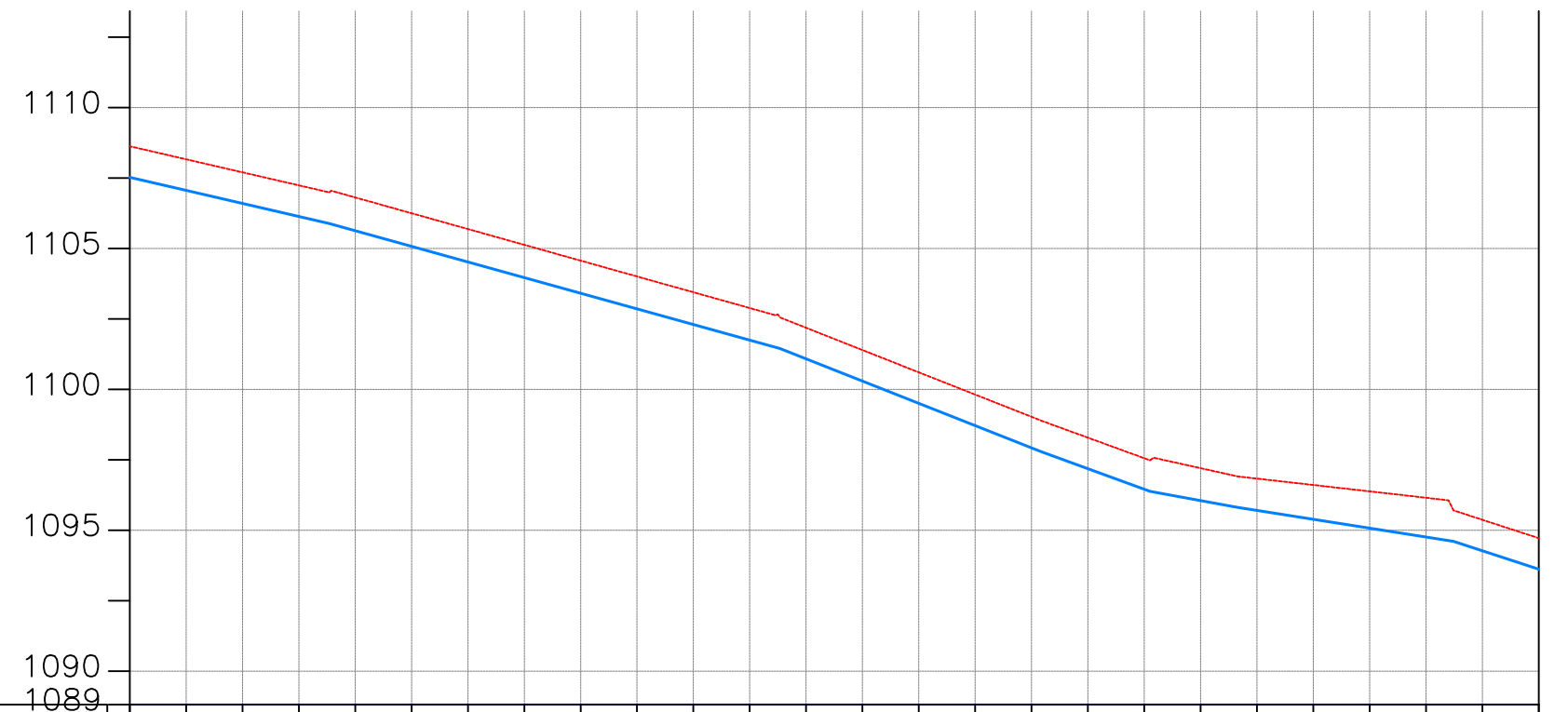
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 1+500.00 - 2+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 1+500.00 - 2+000.00)	
Sheet No.: 4	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
2+000	1108.627	OD 160, PN10, uPVC	1107.52
	1108.165		1107.06
2+040	1107.703		1106.60
	1107.240		1106.13
2+080	1106.811		1105.63
	1106.250		1105.07
2+120	1105.689		1104.52
	1105.129		1103.96
2+160	1104.568		1103.41
	1104.007		1102.86
2+200	1103.447		1102.30
	1102.886		1101.75
2+240	1102.185		1101.08
	1101.395		1100.29
2+280	1100.605		1099.50
	1099.815		1098.71
2+320	1099.025		1097.92
	1098.285		1097.19
2+360	1097.556		1096.46
	1097.202		1096.05
2+400	1096.832	1095.70	
	1096.606	1095.39	
2+440	1096.379	1095.07	
	1096.152	1094.76	
2+480	1095.370	1094.27	
2+500	1094.719	1093.62	

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

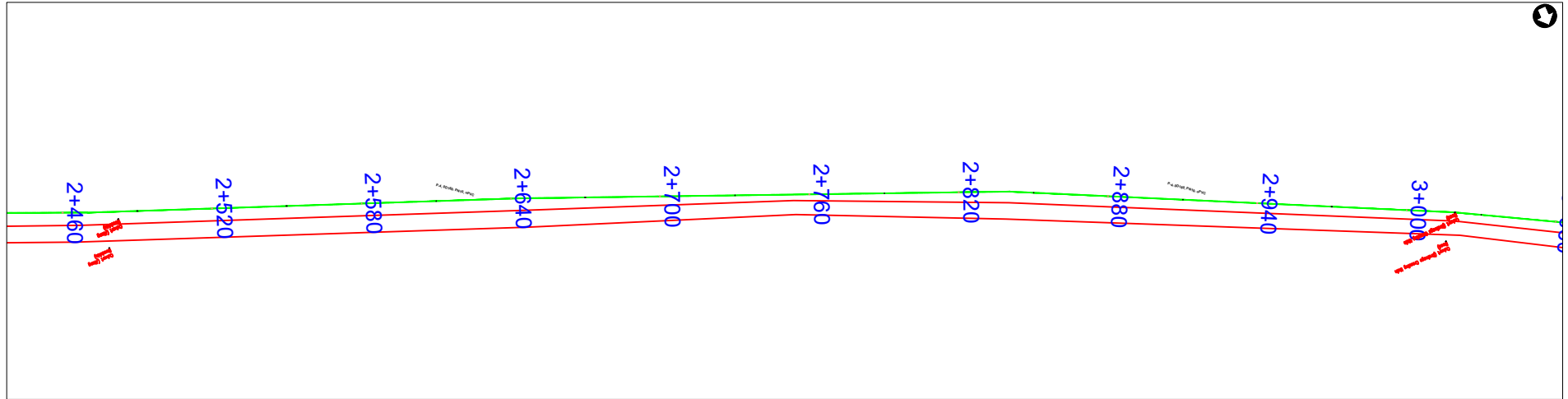
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

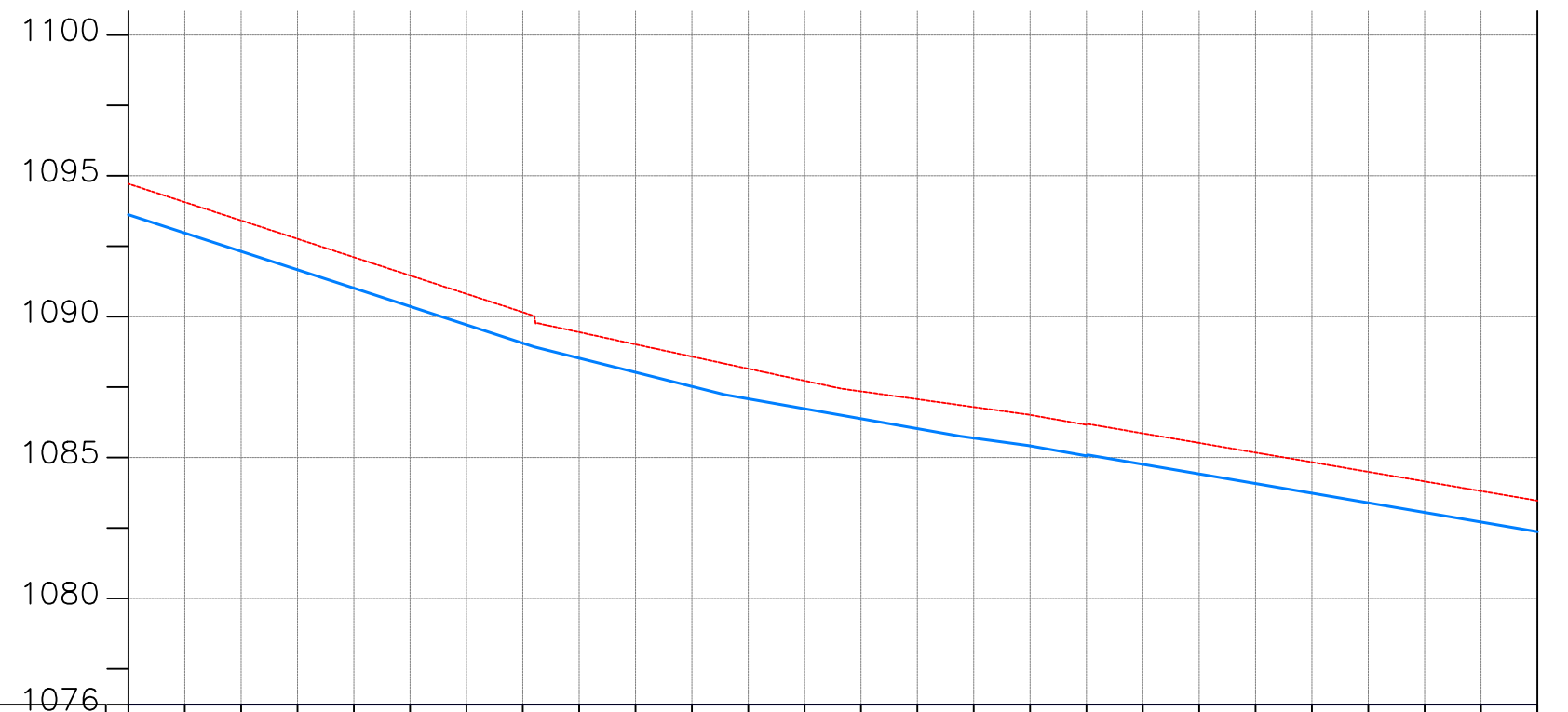
**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 2+000.00 - 2+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 2+000.00 - 2+500.00)
Sheet No.: 5	Format: A3





**PLAN LAYOUT**



CHAINAGE	2+500	2+520	2+560	2+600	2+640	2+680	2+720	2+760	2+800	2+840	2+880	2+920	2+960	3+000												
GROUND LEVEL(m)	1094.719	1094.067	1093.416	1092.764	1092.113	1091.461	1090.810	1090.159	1089.451	1088.726	1088.018	1087.350	1086.614	1085.860	1085.177	1084.495	1083.812	1083.170								
PIPE DETAILS	OD 160, PN10, uPVC																									
PIPE INVERT(m)	1093.62	1092.97	1092.32	1091.66	1091.01	1090.36	1089.71	1089.06	1088.53	1088.03	1087.52	1087.09	1086.73	1086.38	1086.03	1085.69	1085.41	1085.06	1084.76	1084.42	1084.08	1083.74	1083.39	1083.05	1082.71	1082.37

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

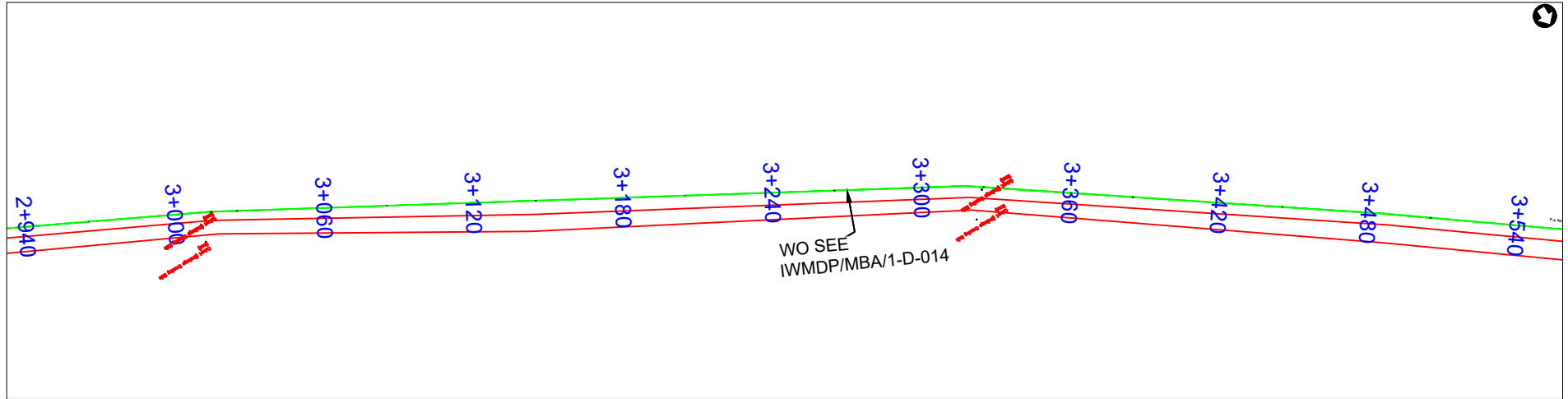
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

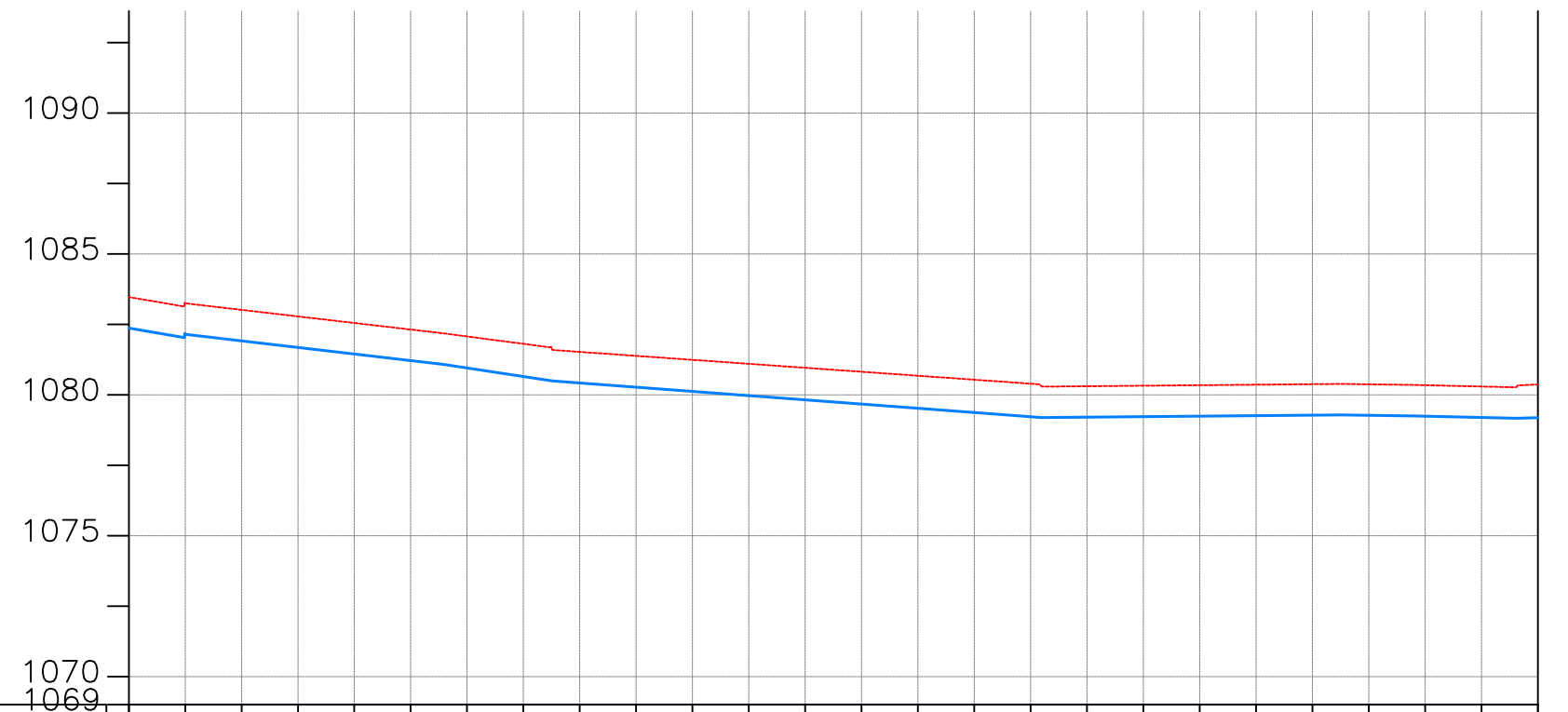
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 2+500.00 - 3+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 2+500.00 - 3+000.00)	
Sheet No.: 6	Format: A3



**PLAN LAYOUT**



CHAINAGE	3+000		3+040		3+080		3+120		3+160		3+200		3+240		3+280		3+320		3+360		3+400		3+440		3+480	3+500		
GROUND LEVEL(m)	1083.470	1083.268	1083.017	1082.784	1082.551	1082.319	1082.074	1081.811	1081.525	1081.384	1081.243	1081.102	1080.961	1080.820	1080.679	1080.538	1080.397	1080.306	1080.324	1080.343	1080.361	1080.379	1080.375	1080.344	1080.296	1080.366		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1082.37	1082.17	1081.92	1081.68	1081.45	1081.22	1080.96	1080.65	1080.42	1080.27	1080.12	1079.97	1079.82	1079.67	1079.52	1079.37	1079.22	1079.21	1079.22	1079.24	1079.26	1079.28	1079.27	1079.24	1079.20	1079.19		

**AMENDMENTS**

No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

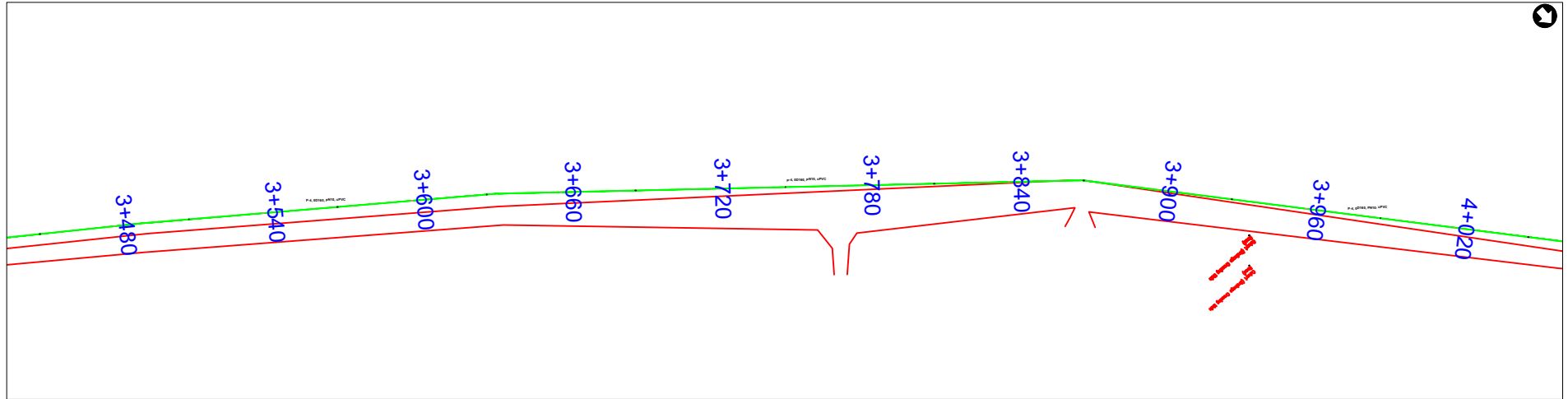
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

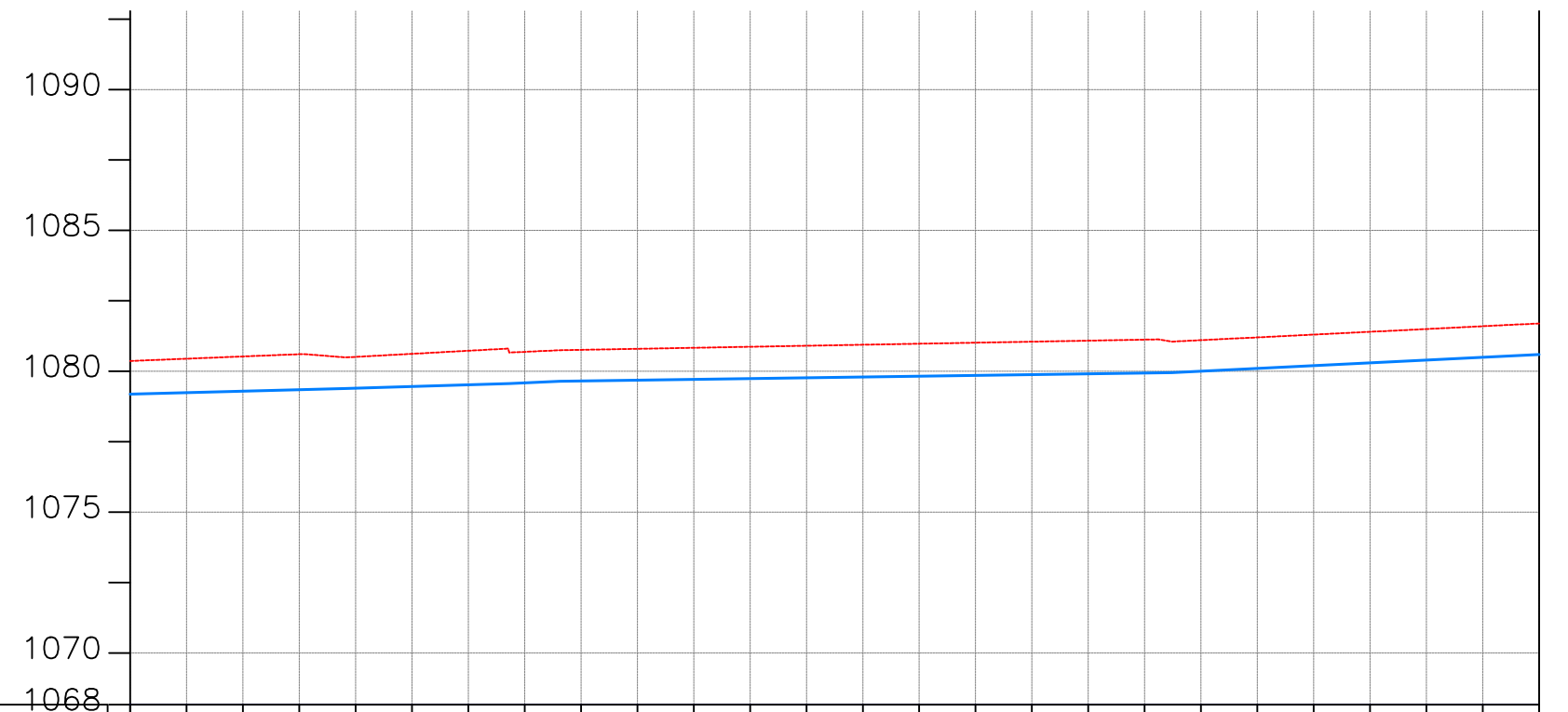
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 3+000.00 - 3+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 3+000.00 - 3+500.00)	
Sheet No.: 7	Format: A3



**PLAN LAYOUT**



CHAINAGE	3+500	3+520	3+560	3+600	3+640	3+680	3+720	3+760	3+800	3+840	3+880	3+920	3+960	4+000														
GROUND LEVEL(m)	1080.366	1080.446	1080.526	1080.606	1080.511	1080.620	1080.729	1080.690	1080.762	1080.798	1080.834	1080.870	1080.906	1080.943	1080.979	1081.015	1081.051	1081.087	1081.124	1081.105	1081.204	1081.303	1081.402	1081.500	1081.599	1081.698		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1079.19	1079.24	1079.29	1079.35	1079.40	1079.46	1079.52	1079.59	1079.66	1079.69	1079.71	1079.74	1079.77	1079.80	1079.83	1079.86	1079.88	1079.91	1079.94	1080.00	1080.10	1080.20	1080.30	1080.40	1080.50	1080.60		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

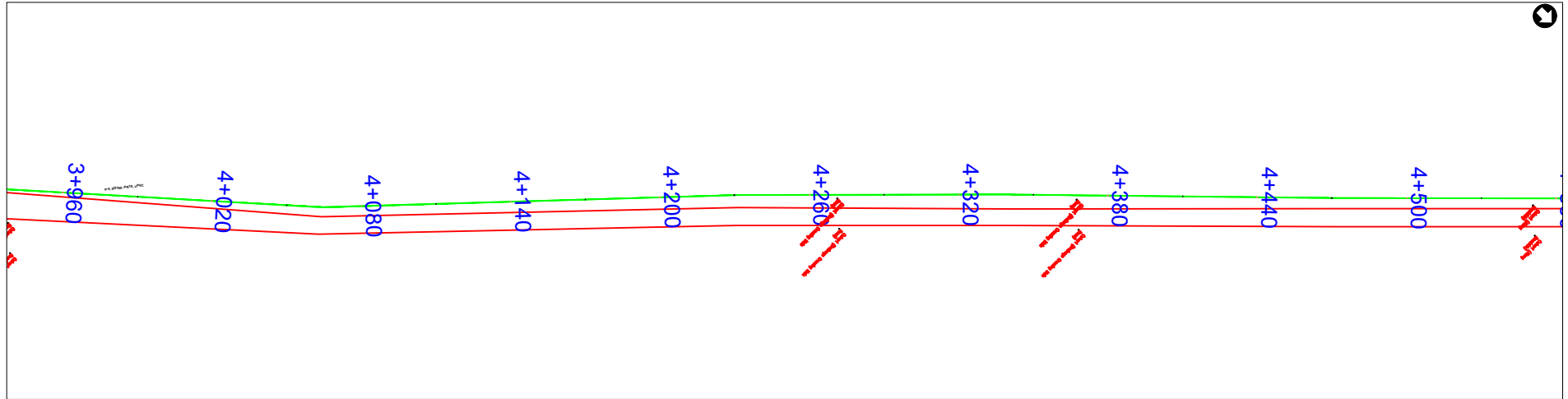
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

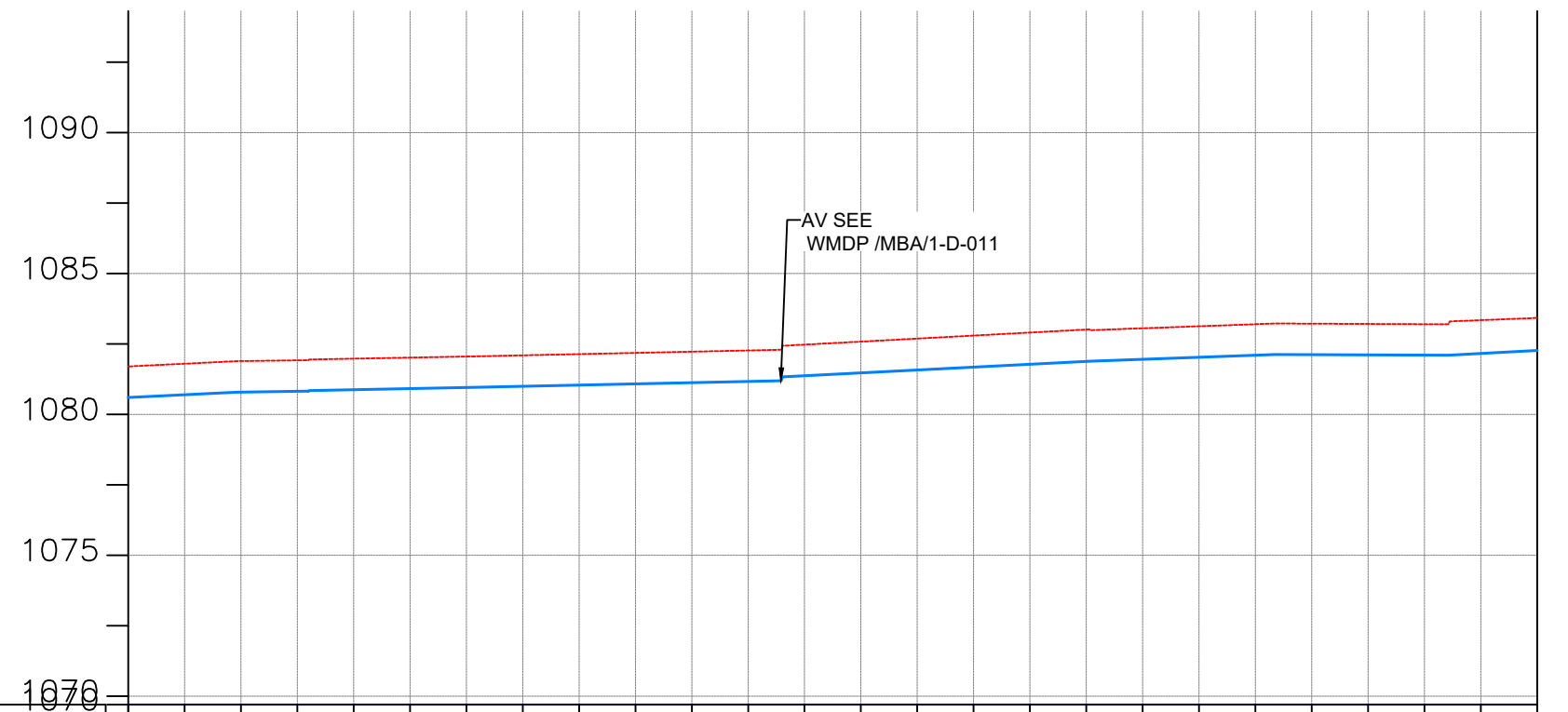
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
**TL TO KIBUKU (CH 3+500.00 - 4+000.00)**

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 3+500.00 - 4+000.00)
Sheet No.: 8	Format: A3



**PLAN LAYOUT**



CHAINAGE	4+000		4+040		4+080		4+120		4+160		4+200		4+240		4+280		4+320		4+360		4+400		4+440		4+480	4+500		
GROUND LEVEL(m)	1081.698	1081.797	1081.891	1081.916	1081.975	1082.013	1082.052	1082.094	1082.137	1082.180	1082.223	1082.266	1082.474	1082.581	1082.688	1082.795	1082.902	1083.009	1083.054	1083.126	1083.198	1083.218	1083.209	1083.200	1083.342	1083.421		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1080.60	1080.70	1080.79	1080.82	1080.88	1080.91	1080.95	1080.99	1081.04	1081.08	1081.12	1081.17	1081.37	1081.47	1081.57	1081.68	1081.78	1081.88	1081.95	1082.03	1082.10	1082.12	1082.11	1082.10	1082.16	1082.27		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

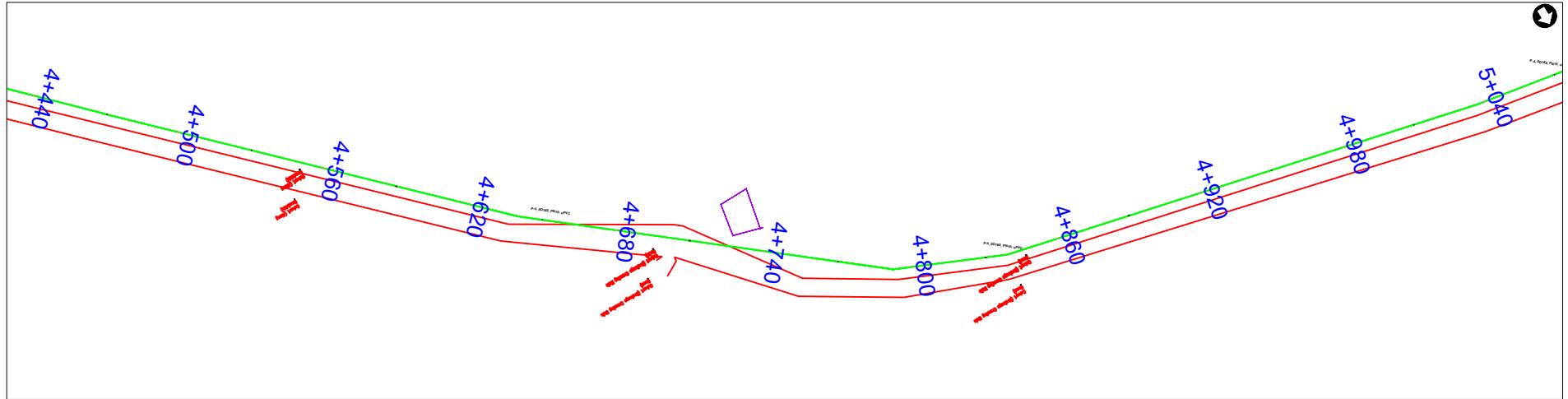
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

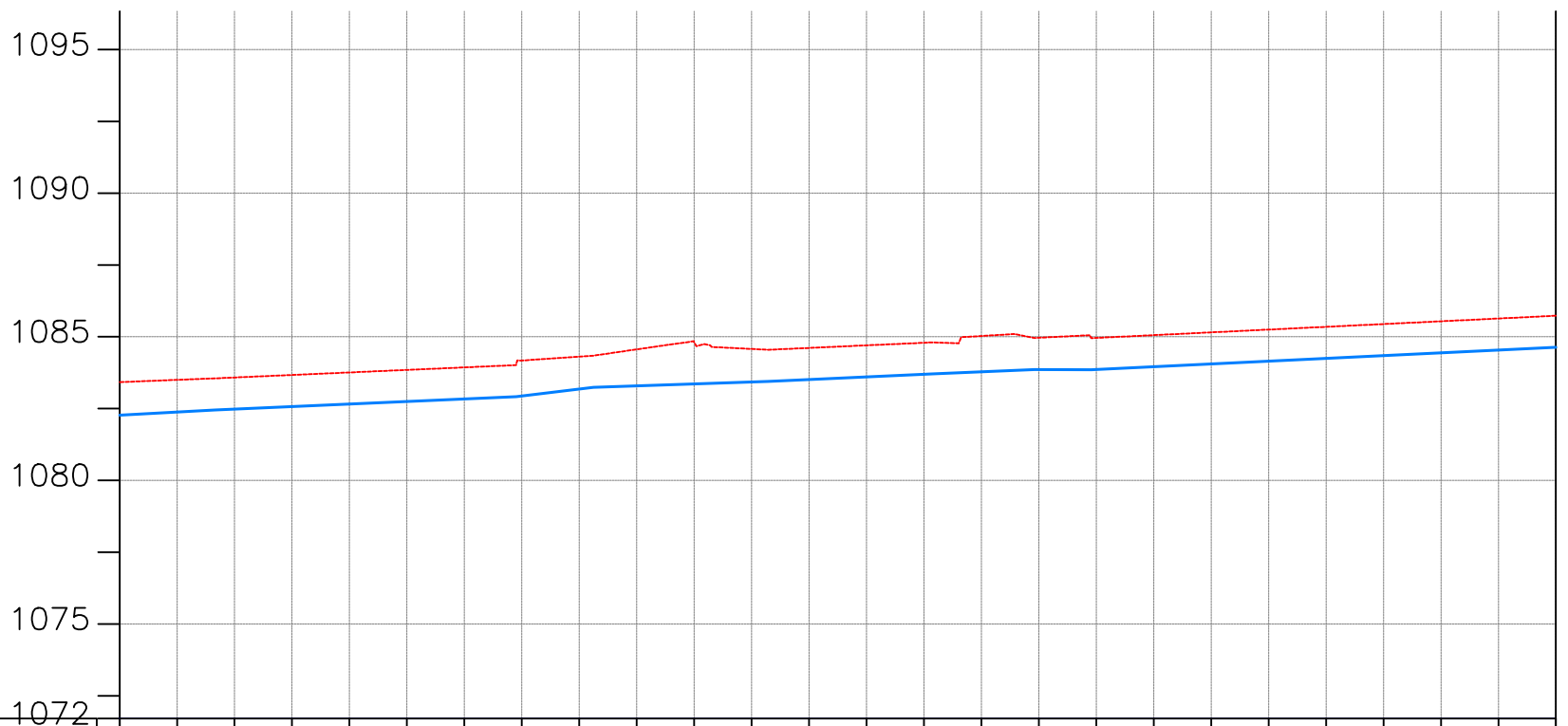
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 4+000.00 - 4+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 4+000.00 - 4+500.00)	
Sheet No.: 9	Format: A3



**PLAN LAYOUT**



CHAINAGE	4+500	4+520		4+560		4+600		4+640		4+680		4+720		4+760		4+800		4+840		4+880		4+920		4+960		5+000		
GROUND LEVEL(m)	1083.421	1083.500	1083.583	1083.671	1083.758	1083.846	1083.934	1084.172	1084.309	1084.562	1084.819	1084.577	1084.612	1084.702	1084.792	1085.027	1084.967	1084.961	1085.057	1085.153	1085.250	1085.346	1085.443	1085.539	1085.636	1085.732		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1082.27	1082.38	1082.48	1082.57	1082.66	1082.75	1082.83	1082.94	1083.18	1083.29	1083.36	1083.43	1083.51	1083.60	1083.69	1083.78	1083.86	1083.86	1083.96	1084.05	1084.15	1084.25	1084.34	1084.44	1084.54	1084.63		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

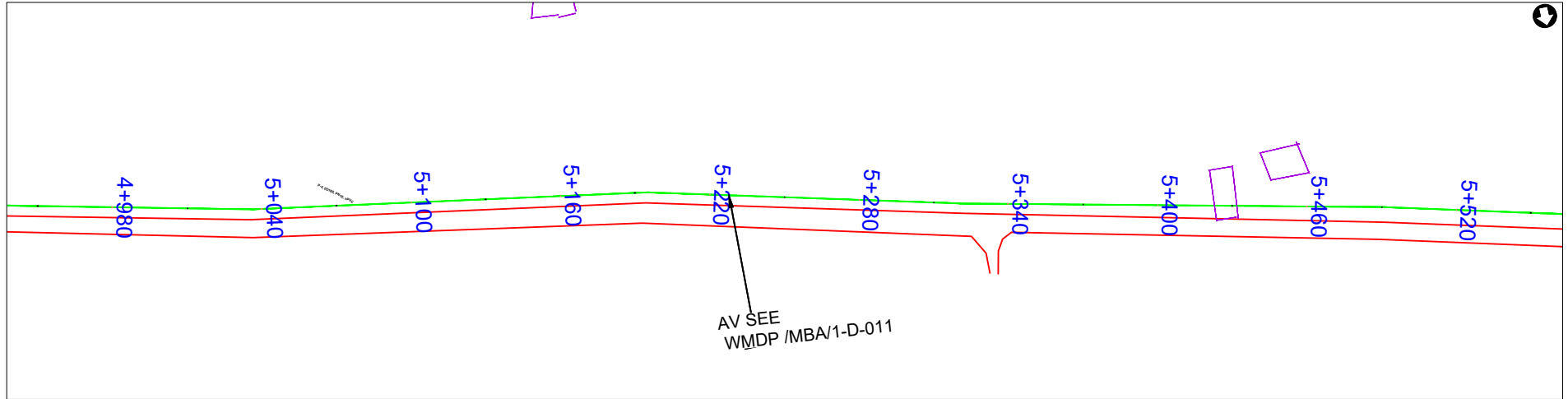
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

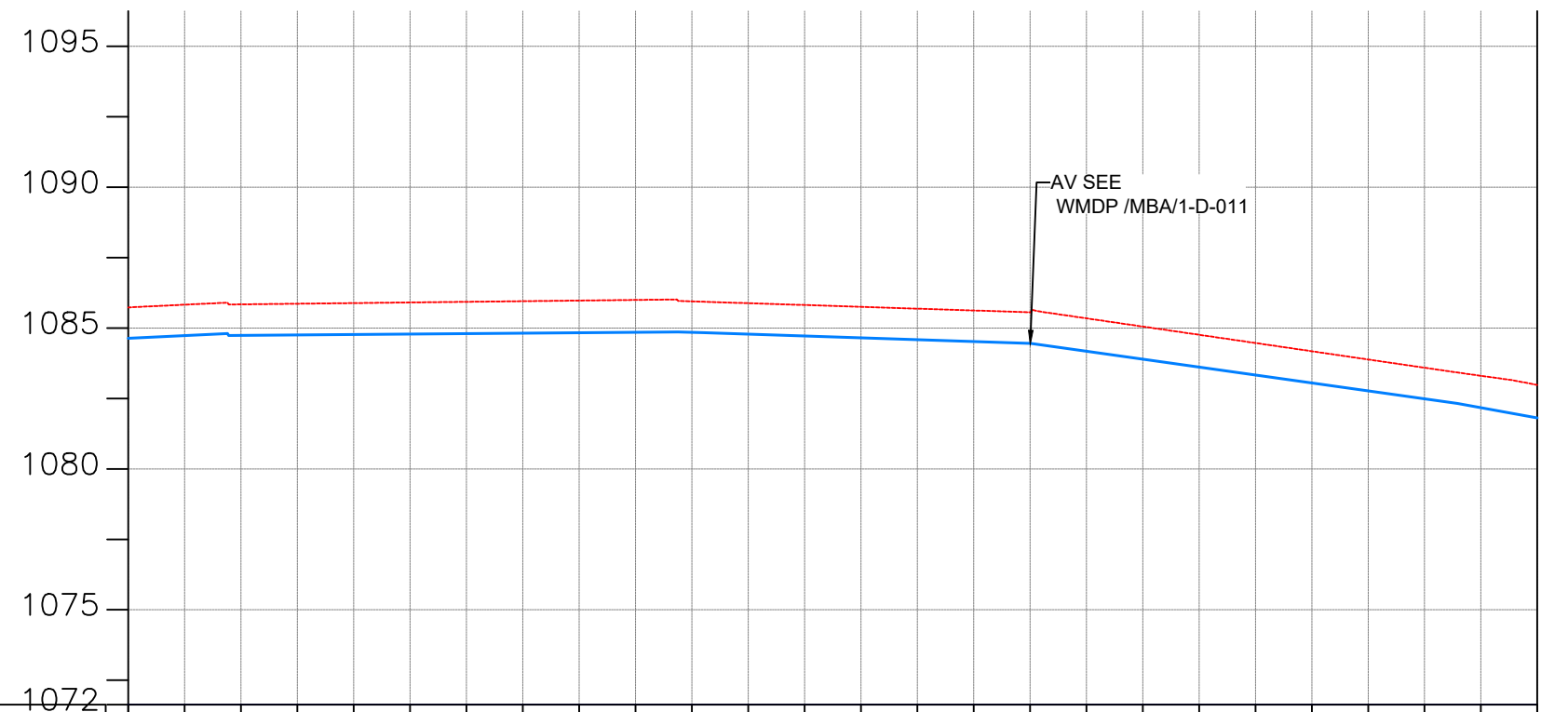
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 4+500.00 - 5+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 4+500.00 - 5+000.00)
Sheet No.: 10	Format: A3



**PLAN LAYOUT**



CHAINAGE	5+000		5+040		5+080		5+120		5+160		5+200		5+240		5+280		5+320		5+360		5+400		5+440		5+480	5+500		
GROUND LEVEL(m)	1085.732	1085.829	1085.840	1085.862	1085.885	1085.907	1085.930	1085.952	1085.975	1085.997	1085.946	1085.882	1085.817	1085.752	1085.687	1085.623	1085.558	1085.344	1085.052	1084.760	1084.468	1084.175	1083.883	1083.591	1083.305	1082.979		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1084.63	1084.73	1084.74	1084.75	1084.77	1084.79	1084.80	1084.82	1084.83	1084.85	1084.85	1084.78	1084.72	1084.65	1084.59	1084.52	1084.46	1084.18	1083.90	1083.61	1083.33	1083.05	1082.77	1082.49	1082.17	1081.81		

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

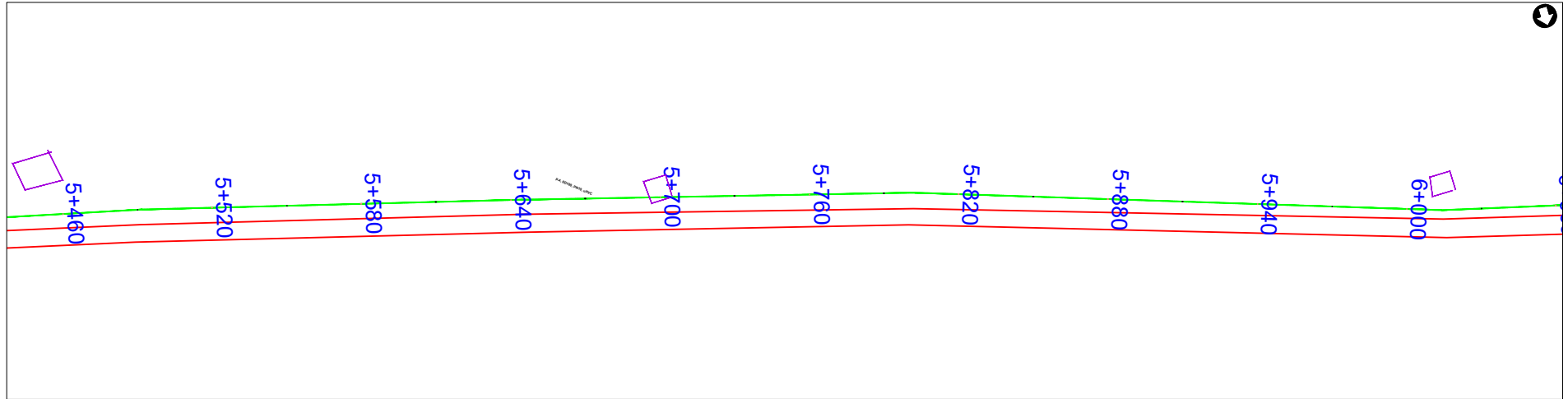
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

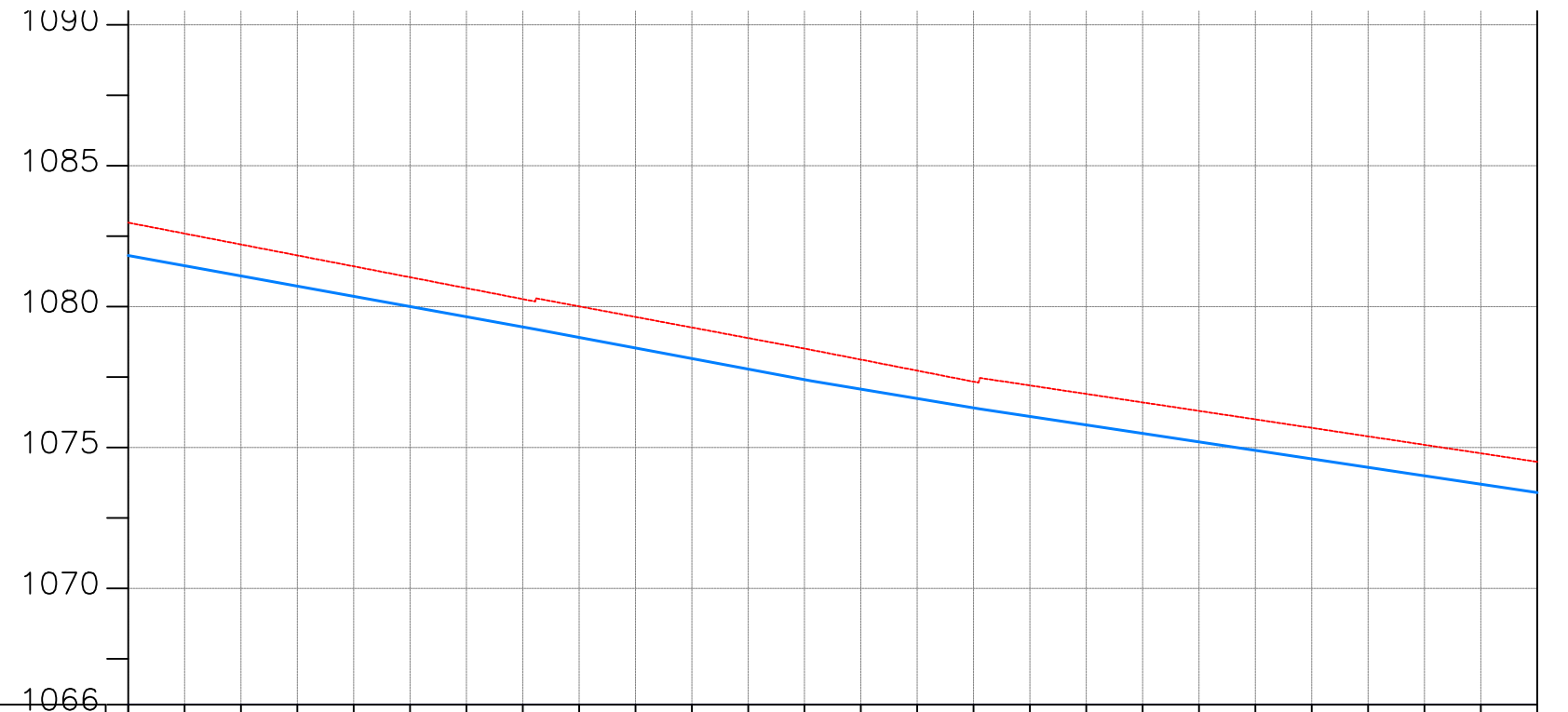
**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 5+000.00 - 5+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 5+000.00 - 5+500.00)	
Sheet No.: 11	Format: A3





**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
5+500	1082.979	OD 160, PN10, uPVC	1081.81
5+520	1082.592		1081.45
5+560	1082.204		1081.09
5+600	1081.816		1080.72
	1081.429		1080.36
	1081.041		1080.00
	1080.654		1079.64
	1080.266		1079.28
	1080.008		1078.91
	1079.633		1078.53
	1079.258		1078.16
	1078.883		1077.78
	1078.508		1077.41
	1078.118		1077.07
	1077.726		1076.74
	1077.334		1076.41
	1077.201		1076.10
	1076.900		1075.80
	1076.599		1075.50
	1076.298		1075.20
	1075.996	1074.90	
	1075.695	1074.60	
	1075.394	1074.29	
	1075.093	1073.99	
	1074.792	1073.70	
6+000	1074.491		1073.40

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MB/W/0.0.0
  - For Node details, see Dwg. MB/W/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

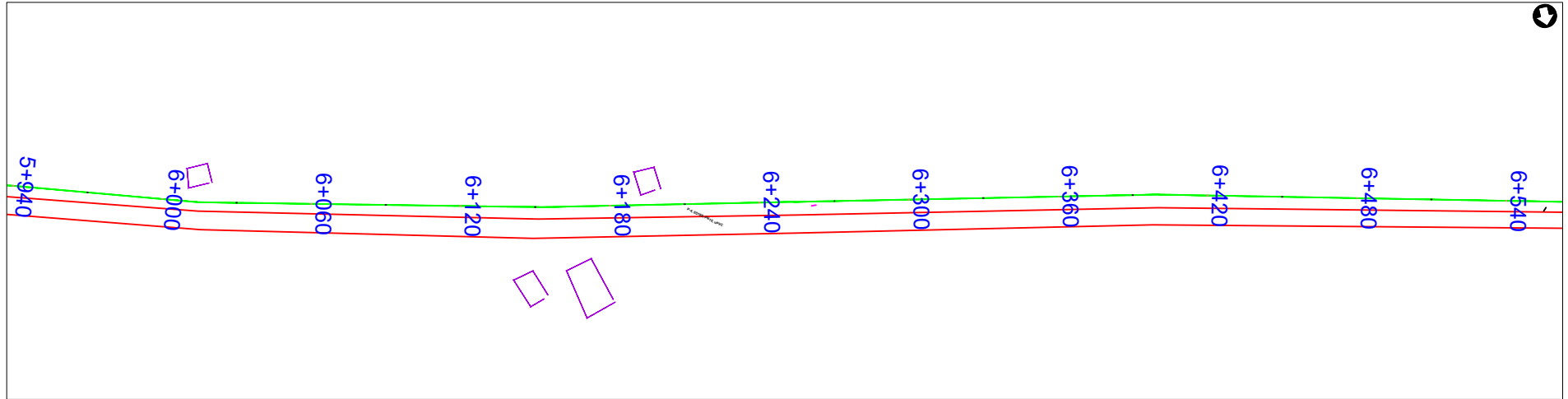
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

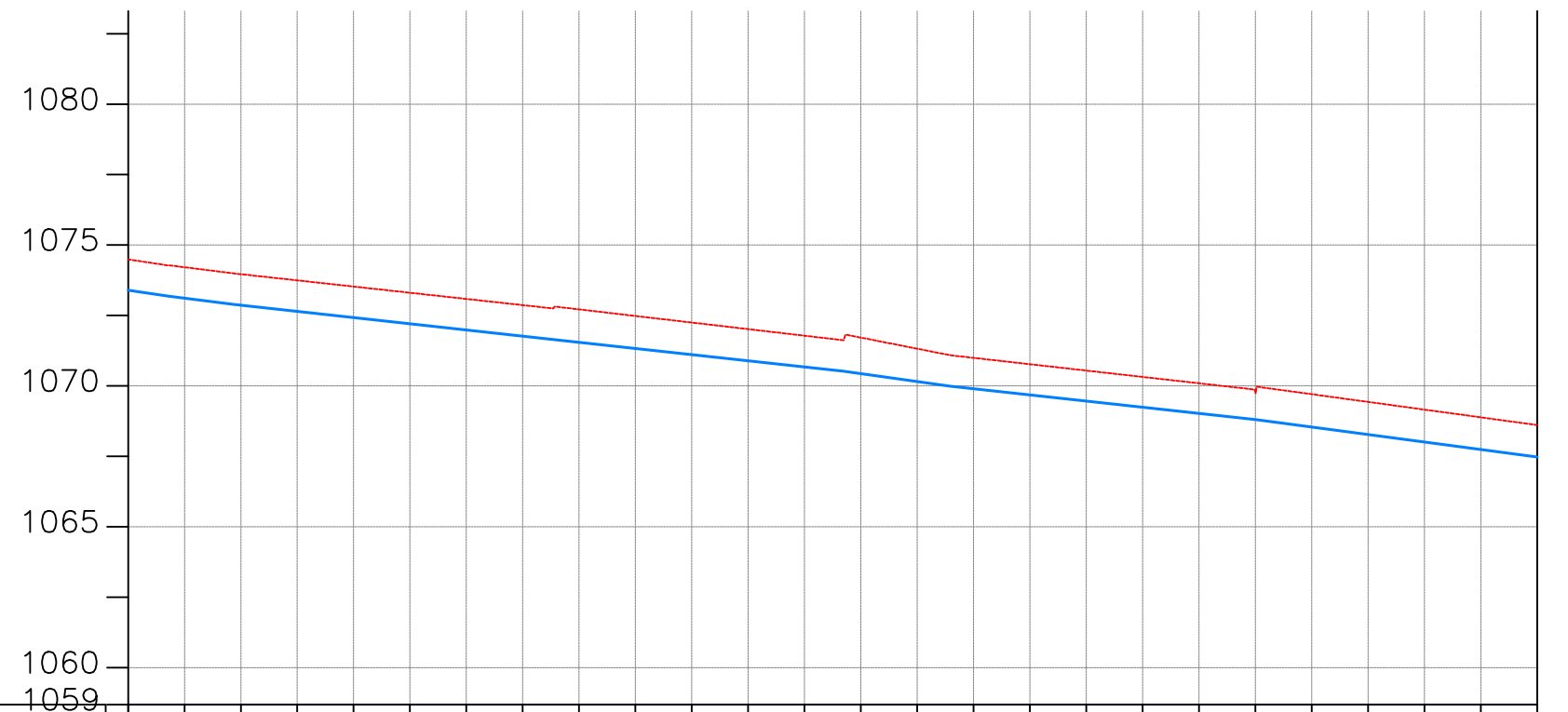
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 5+500.00 - 6+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 5+500.00 - 6+000.00)	
Sheet No.: 12	Format: A3



**PLAN LAYOUT**



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
6+000	1074.491	OD 160, PN10, uPVC	1073.40
	1074.212		1073.11
6+040	1073.966		1072.87
	1073.746		1072.65
6+080	1073.526		1072.43
	1073.307		1072.21
6+120	1073.087		1071.99
	1072.867		1071.77
6+160	1072.716		1071.55
	1072.483		1071.33
6+200	1072.249		1071.11
	1072.016		1070.89
6+240	1071.782		1070.67
	1071.715		1070.43
6+280	1071.321		1070.15
	1070.996		1069.90
6+320	1070.770		1069.68
	1070.545	1069.46	
6+360	1070.319	1069.24	
	1070.094	1069.03	
6+400	1069.783	1068.81	
	1069.706	1068.54	
6+440	1069.433	1068.28	
	1069.159	1068.01	
6+480	1068.885	1067.74	
6+500	1068.611	1067.48	

**AMENDMENTS**

No	Date	Revision

**NOTES**

1. All dimensions are in metres unless stated otherwise.
2. All levels are in metres above sea level.
3. For Site location see Dwg. MBW/0.0.0
4. For Node details, see Dwg. MBW/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

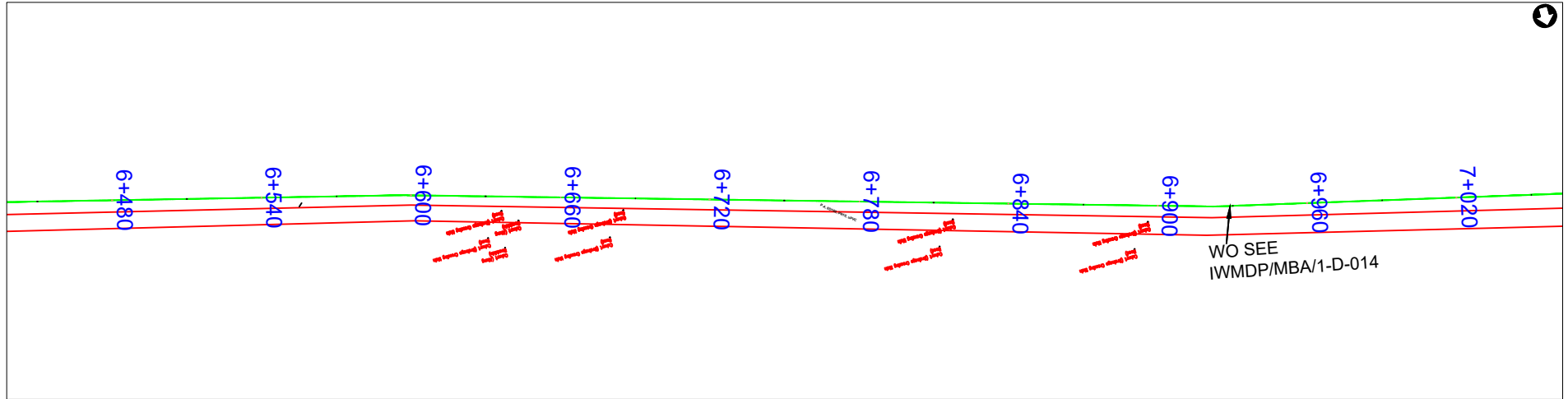
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

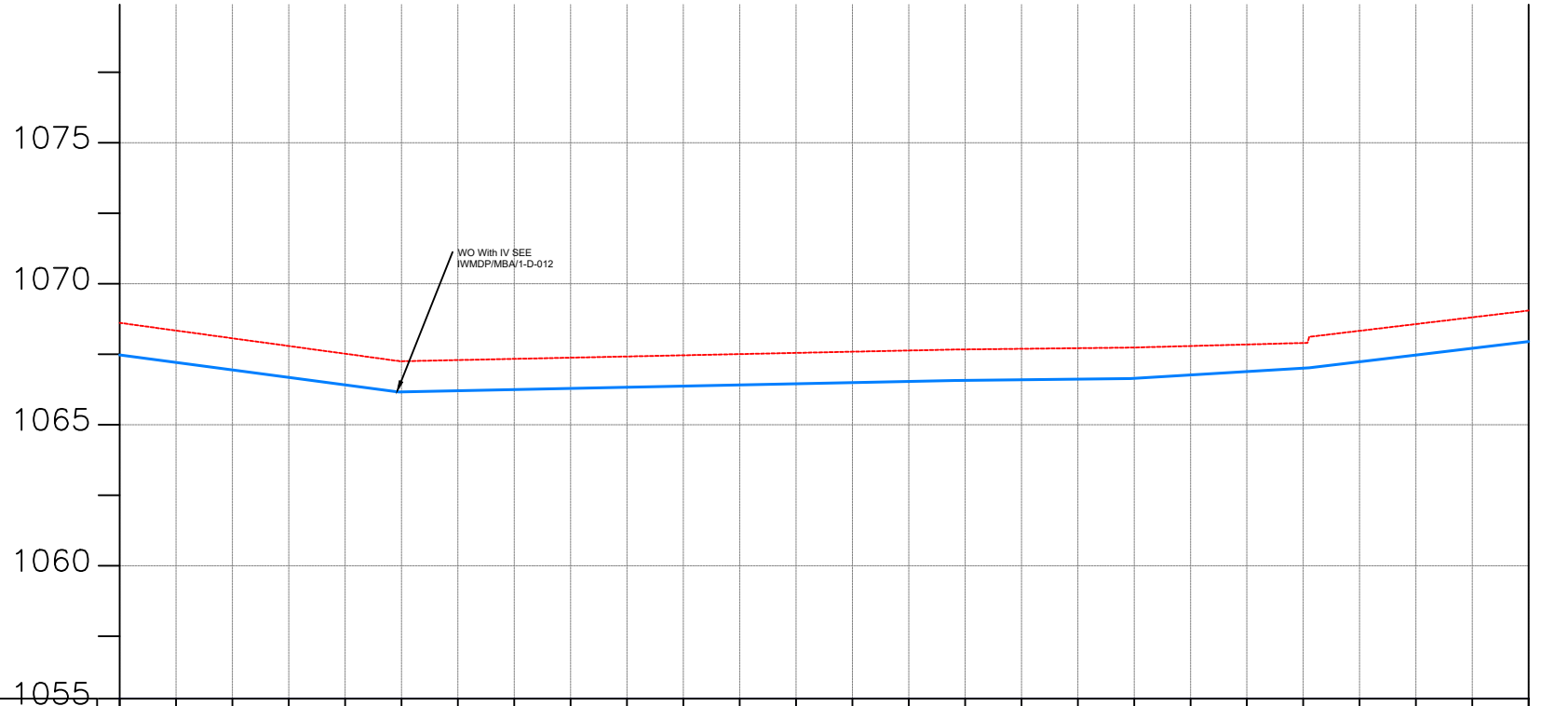


**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 6+000.00 - 6+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 6+000.00 - 6+500.00)	Sheet No.: 13
Format: A3	



**PLAN LAYOUT**



CHAINAGE	6+500	6+520	6+560	6+600	6+640	6+680	6+720	6+760	6+800	6+840	6+880	6+920	6+960	7+000														
GROUND LEVEL(m)	1068.611	1068.338	1068.064	1067.790	1067.516	1067.249	1067.291	1067.334	1067.376	1067.419	1067.461	1067.503	1067.546	1067.588	1067.630	1067.669	1067.691	1067.713	1067.737	1067.790	1067.844	1067.898	1068.329	1068.568	1068.807	1069.046		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1067.48	1067.21	1066.94	1066.68	1066.41	1066.17	1066.21	1066.25	1066.29	1066.33	1066.37	1066.41	1066.45	1066.49	1066.53	1066.57	1066.59	1066.61	1066.64	1066.76	1066.88	1067.00	1067.23	1067.47	1067.71	1067.95		

**AMENDMENTS**

No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



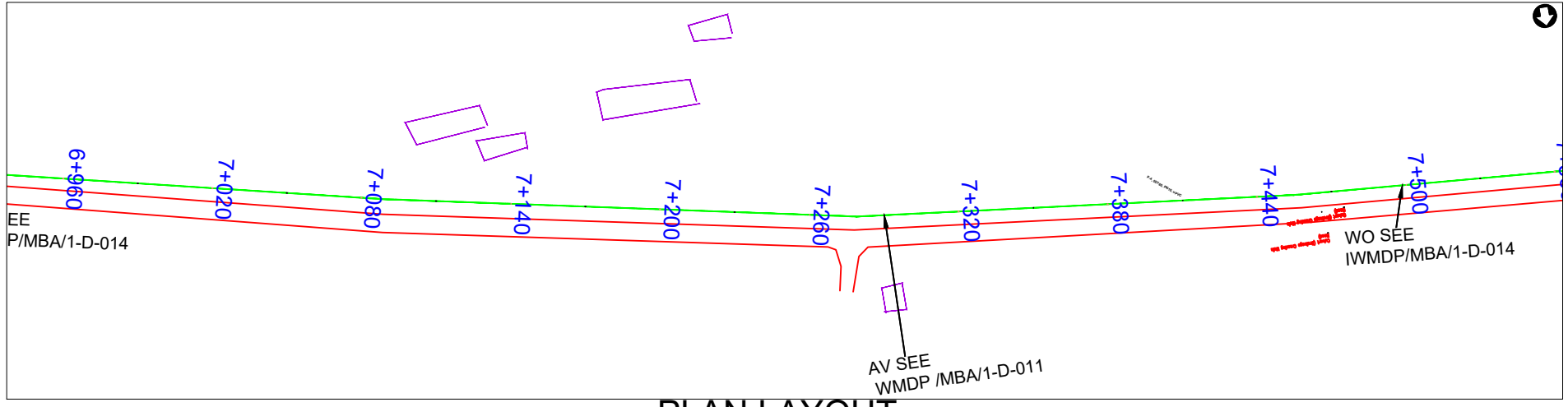
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

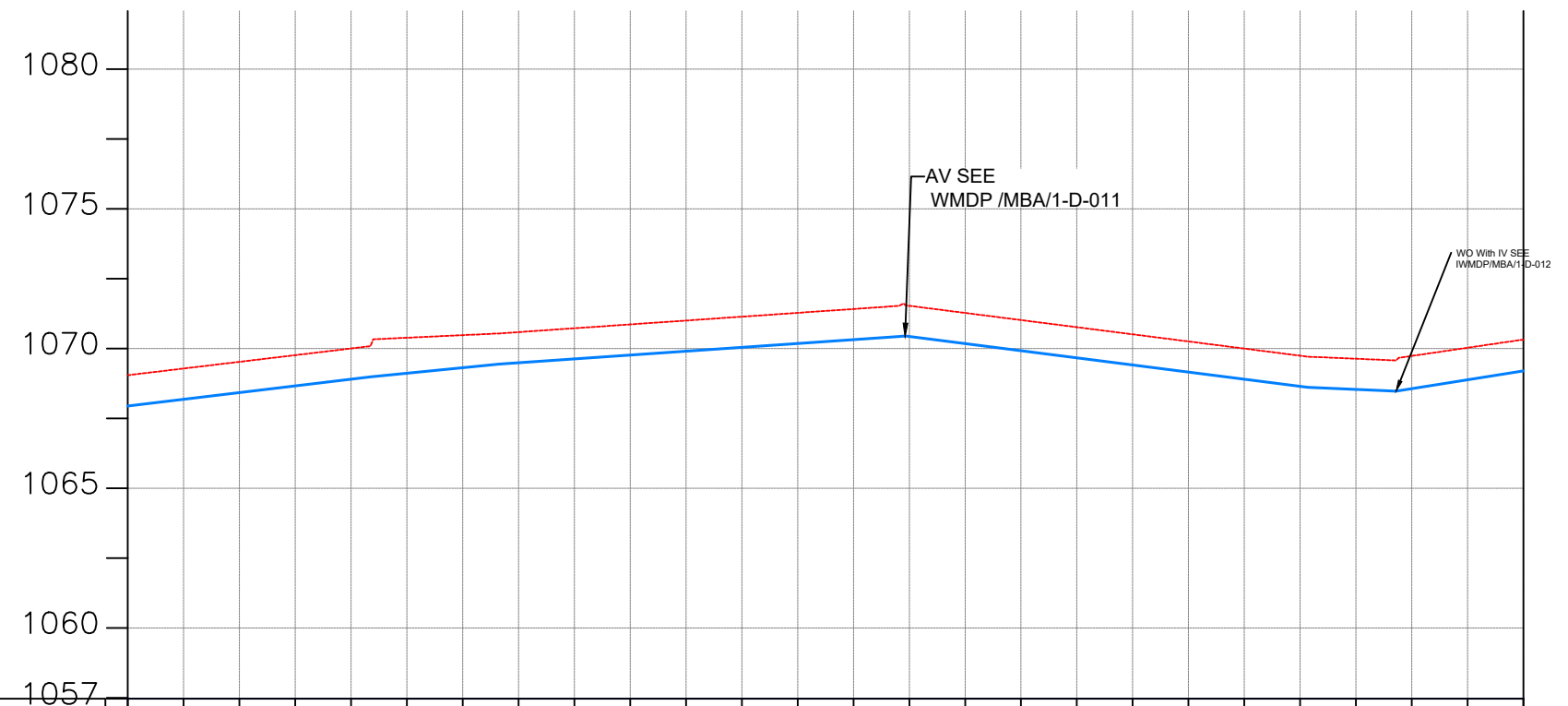
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 6+500.00 - 7+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 6+500.00 - 7+000.00)	Sheet No.: 14
Format: A3	



**PLAN LAYOUT**



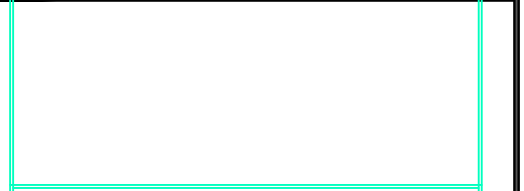
CHAINAGE	7+000		7+040		7+080		7+120		7+160		7+200		7+240		7+280		7+320		7+360		7+400		7+440		7+480	7+500		
GROUND LEVEL(m)	1069.046	1069.285	1069.524	1069.764	1070.003	1070.387	1070.480	1070.588	1070.726	1070.864	1071.002	1071.140	1071.278	1071.416	1071.530	1071.275	1071.020	1070.765	1070.509	1070.254	1069.999	1069.744	1069.635	1069.736	1070.029	1070.322		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1067.95	1068.19	1068.42	1068.66	1068.90	1069.11	1069.31	1069.49	1069.63	1069.76	1069.90	1070.04	1070.18	1070.32	1070.43	1070.17	1069.92	1069.66	1069.41	1069.15	1068.90	1068.64	1068.54	1068.56	1068.88	1069.20		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01



REPUBLIC OF UGANDA

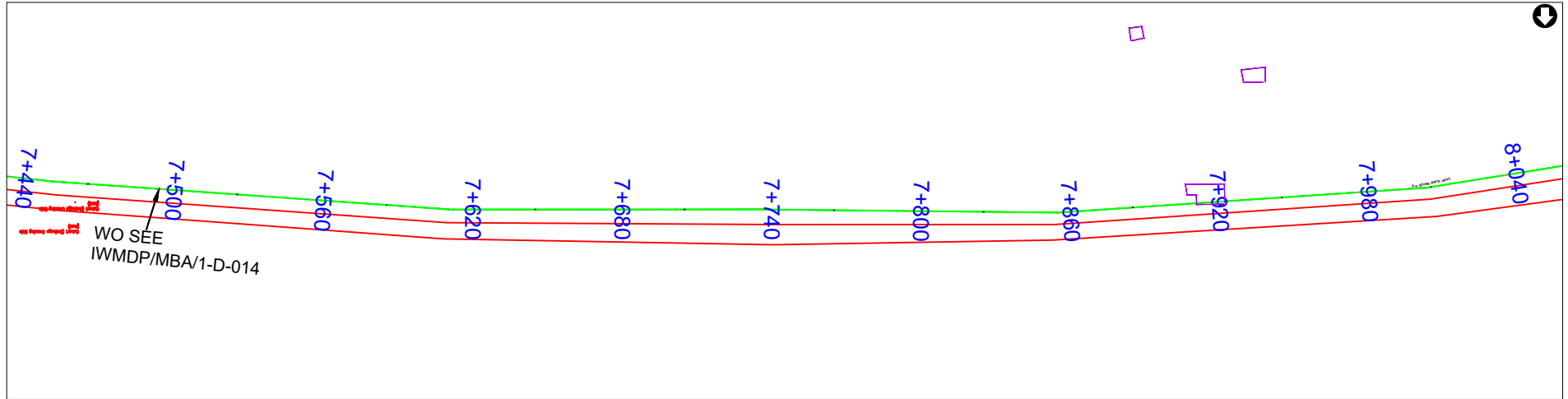
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

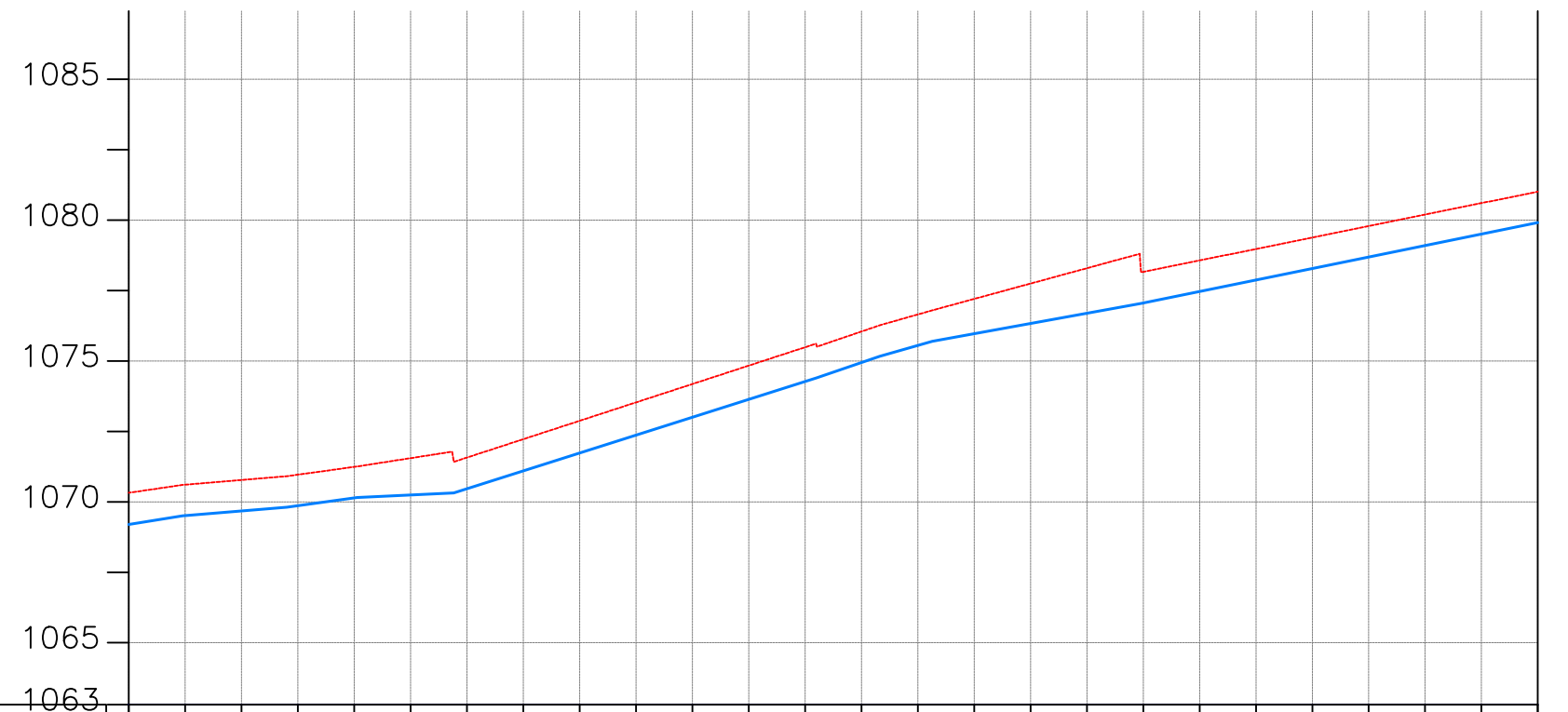
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
**TL TO KIBUKU (CH 7+000.00 - 7+500.00)**

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 7+000.00 - 7+500.00)	
Sheet No.: 15	Format: A3



**PLAN LAYOUT**



CHAINAGE	7+500	7+520	7+560	7+600	7+640	7+680	7+720	7+760	7+800	7+840	7+880	7+920	7+960	8+000												
GROUND LEVEL(m)	1070.322	1070.609	1070.776	1070.964	1071.241	1071.551	1071.572	1072.224	1072.877	1073.529	1074.182	1074.835	1075.487	1076.046	1076.651	1077.202	1077.747	1078.292	1078.161	1078.568	1078.974	1079.381	1079.788	1080.195	1080.602	1081.009
PIPE DETAILS	OD 160, PN10, uPVC																									
PIPE INVERT(m)	1069.20	1069.51	1069.68	1069.86	1070.14	1070.25	1070.47	1071.10	1071.74	1072.37	1073.00	1073.64	1074.27	1074.95	1075.55	1075.97	1076.33	1076.70	1077.06	1077.47	1077.87	1078.28	1078.69	1079.10	1079.50	1079.91

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

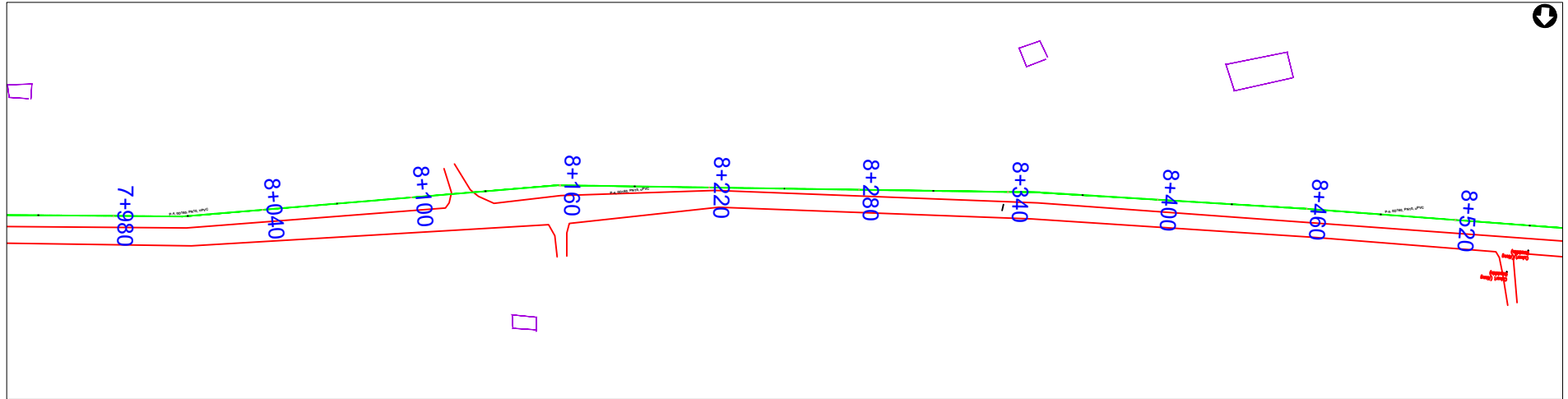
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

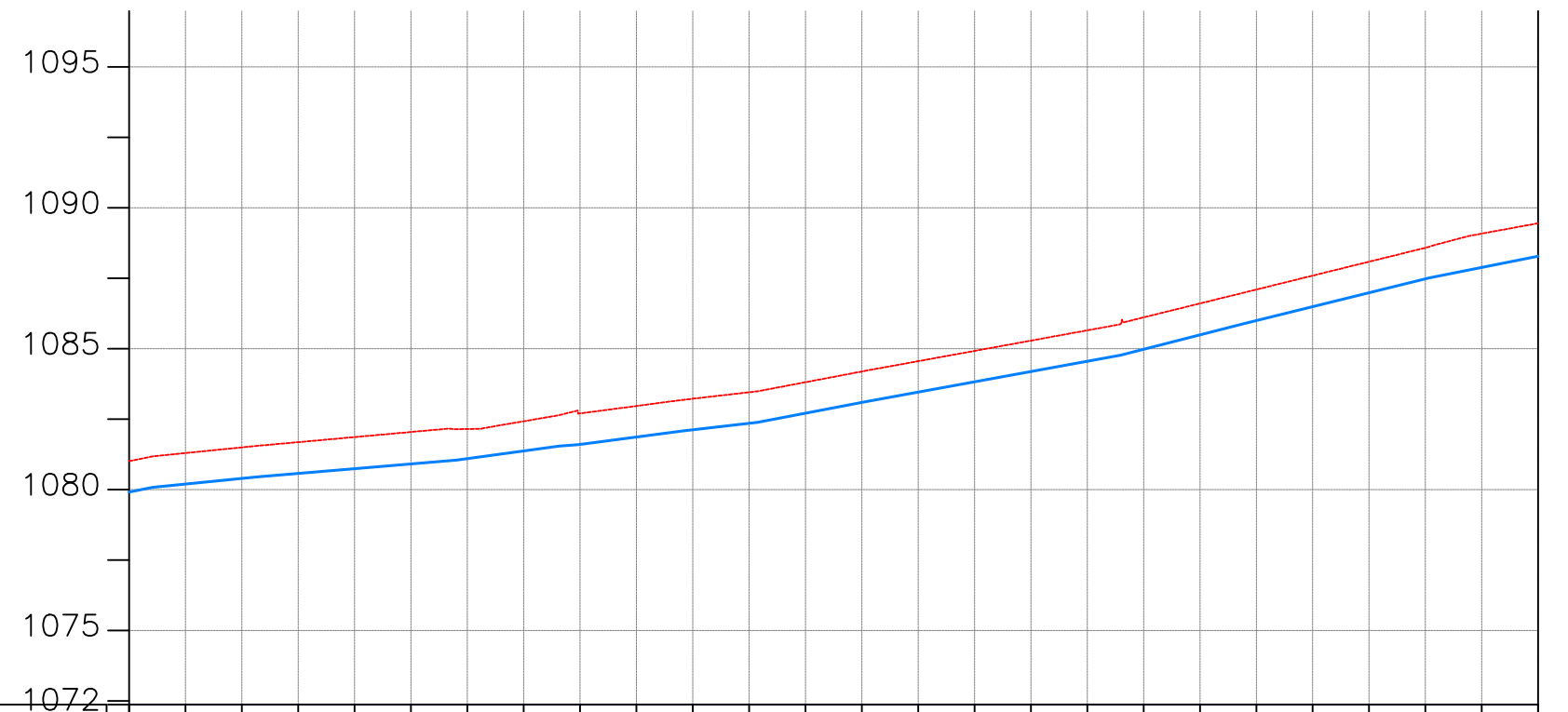
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 7+500.00 - 8+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 7+500.00 - 8+000.00)	
Sheet No.: 16	Format: A3



**PLAN LAYOUT**



CHAINAGE	8+000		8+040		8+080		8+120		8+160		8+200		8+240		8+280		8+320		8+360		8+400		8+440		8+480	8+500		
GROUND LEVEL(m)	1081.009	1081.296	1081.497	1081.683	1081.863	1082.043	1082.149	1082.424	1082.702	1082.967	1083.225	1083.453	1083.810	1084.190	1084.556	1084.921	1085.286	1085.651	1086.111	1086.605	1087.099	1087.593	1088.087	1088.581	1089.085	1089.451		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1079.91	1080.20	1080.40	1080.57	1080.74	1080.91	1081.10	1081.37	1081.60	1081.87	1082.12	1082.35	1082.71	1083.09	1083.46	1083.82	1084.19	1084.55	1084.98	1085.49	1086.00	1086.49	1086.99	1087.48	1087.89	1088.28		

AMENDMENTS		
No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

	Transmission Line
	New Distribution Line
	Road
	DAV Double Orifice Air Valve
	WO_2 Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

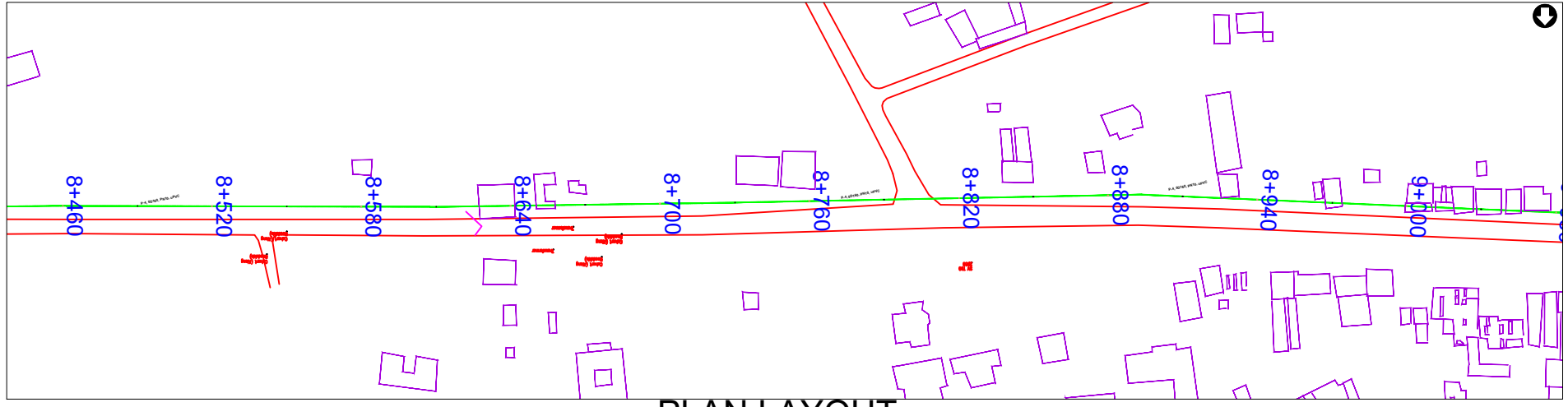
**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

**CONSULTANT:**

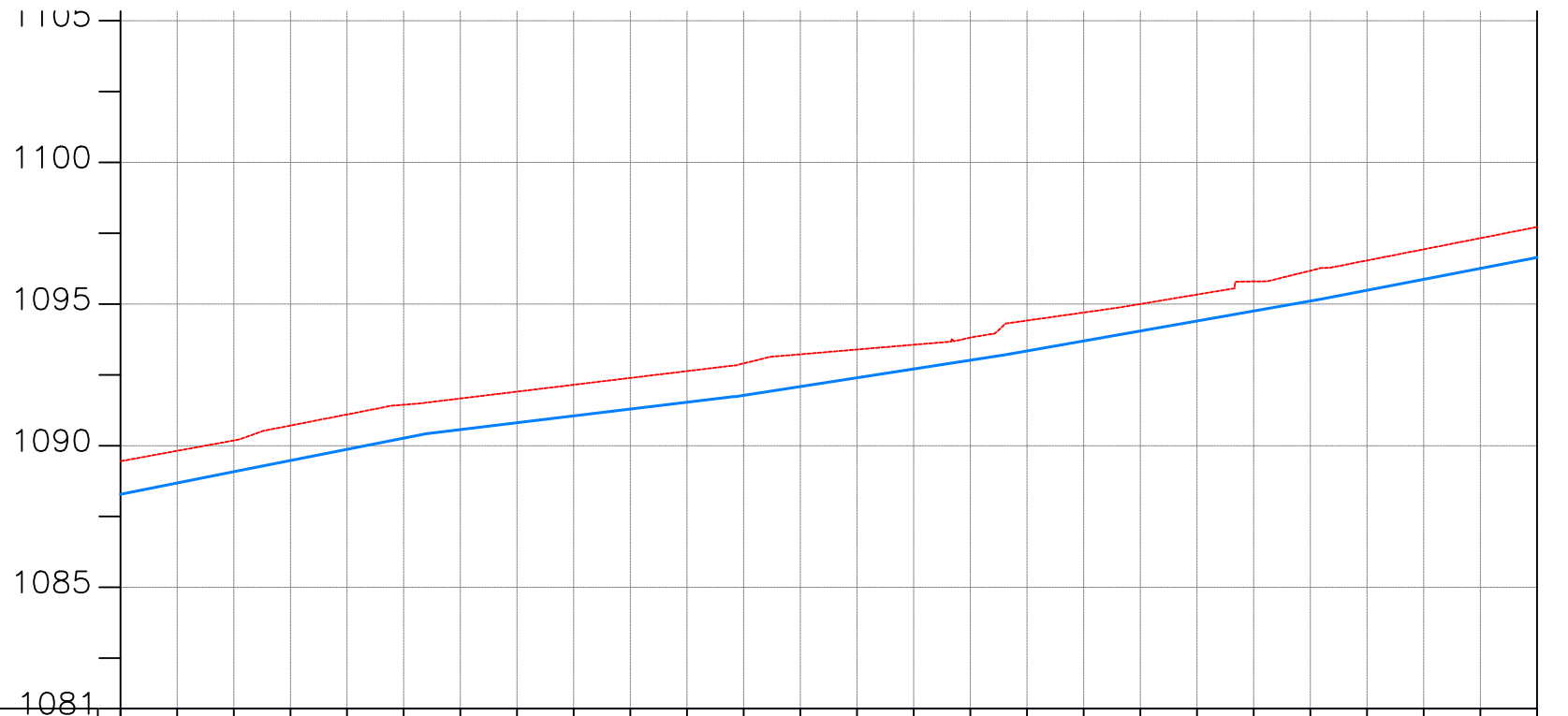
**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 8+000.00 - 8+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 8+000.00 - 8+500.00)	Sheet No.: 17
Format: A3	





**PLAN LAYOUT**



CHAINAGE	8+500	8+520	8+560	8+600	8+640	8+680	8+720	8+760	8+800	8+840	8+880	8+920	8+960	9+000														
GROUND LEVEL(m)	1089.451	1089.817	1090.184	1090.709	1091.102	1091.446	1091.666	1091.908	1092.149	1092.391	1092.632	1092.904	1093.226	1093.394	1093.562	1093.814	1094.417	1094.699	1095.000	1095.334	1095.796	1096.175	1096.536	1096.930	1097.323	1097.717		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1088.28	1088.68	1089.08	1089.48	1089.87	1090.26	1090.57	1090.81	1091.05	1091.29	1091.53	1091.78	1092.09	1092.40	1092.71	1093.02	1093.34	1093.69	1094.05	1094.40	1094.75	1095.10	1095.48	1095.87	1096.25	1096.64		

**AMENDMENTS**

No	Date	Revision

- NOTES**
- All dimensions are in metres unless stated otherwise.
  - All levels are in metres above sea level.
  - For Site location see Dwg. MBW/0.0.0
  - For Node details, see Dwg. MBW/6.0.0
  - All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

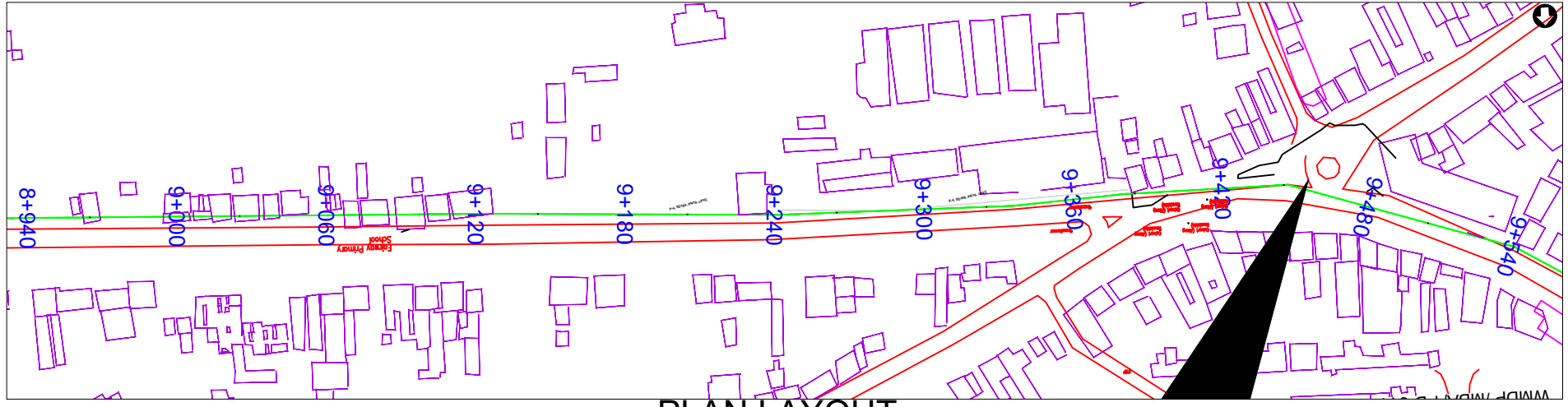
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

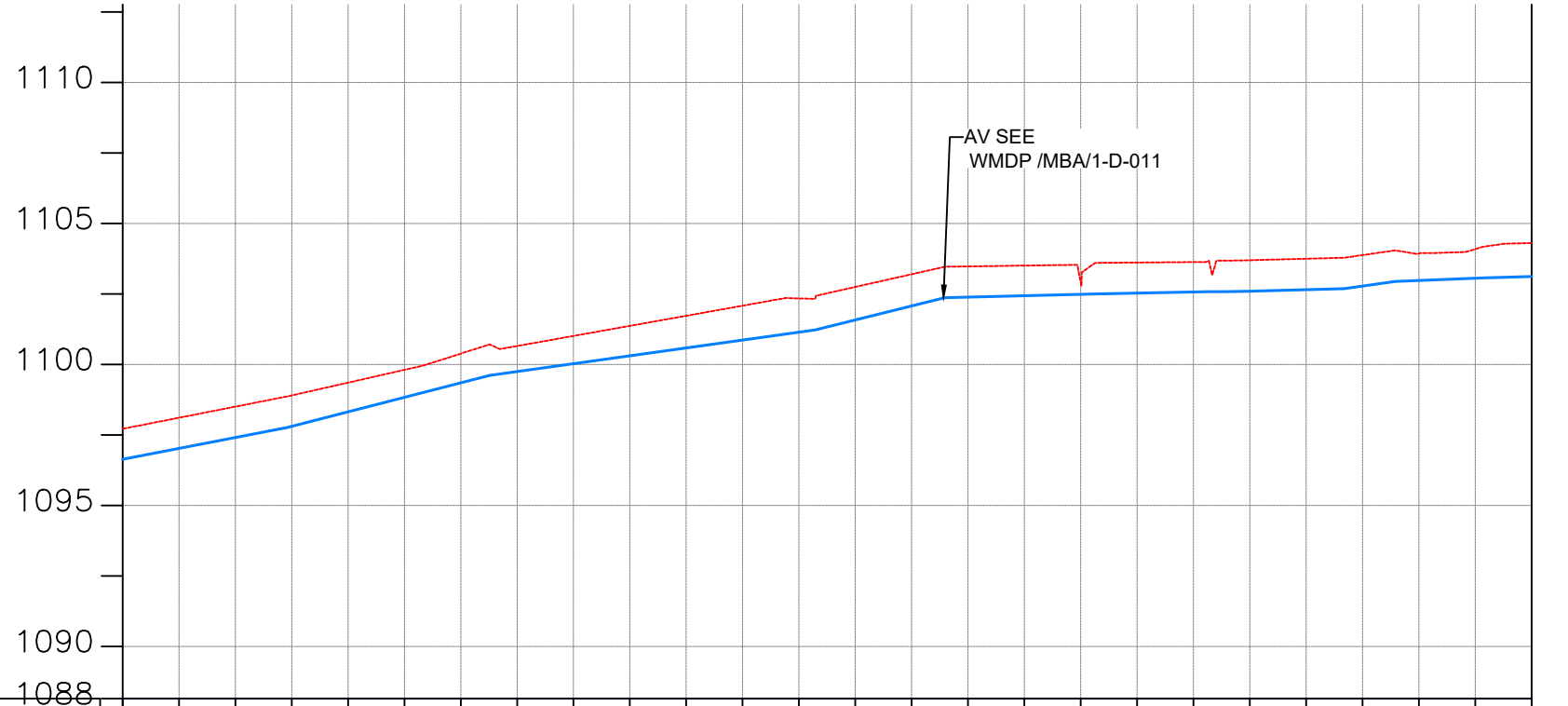
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 8+500.00 - 9+000.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 8+500.00 - 9+000.00)	Sheet No.: 18
Format: A3	



**PLAN LAYOUT**



CHAINAGE	9+000		9+040		9+080		9+120		9+160		9+200		9+240		9+280		9+320		9+360		9+400		9+440		9+480	9+500		
GROUND LEVEL(m)	1097.717	1098.110	1098.504	1098.900	1099.354	1099.809	1100.384	1100.654	1101.011	1101.369	1101.726	1102.083	1102.341	1102.749	1103.200	1103.477	1103.506	1102.905	1103.614	1103.631	1103.696	1103.749	1103.879	1103.930	1104.089	1104.305		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1096.64	1097.02	1097.41	1097.81	1098.32	1098.83	1099.34	1099.74	1100.02	1100.30	1100.58	1100.86	1101.14	1101.58	1102.07	1102.39	1102.44	1102.49	1102.53	1102.57	1102.60	1102.65	1102.78	1102.98	1103.06	1103.12		

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

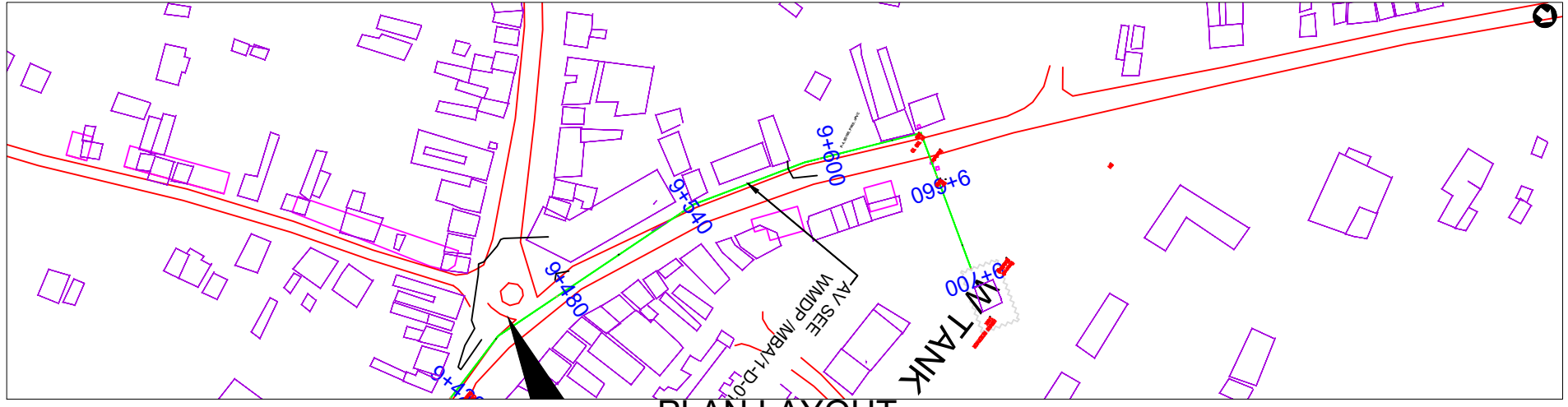
MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

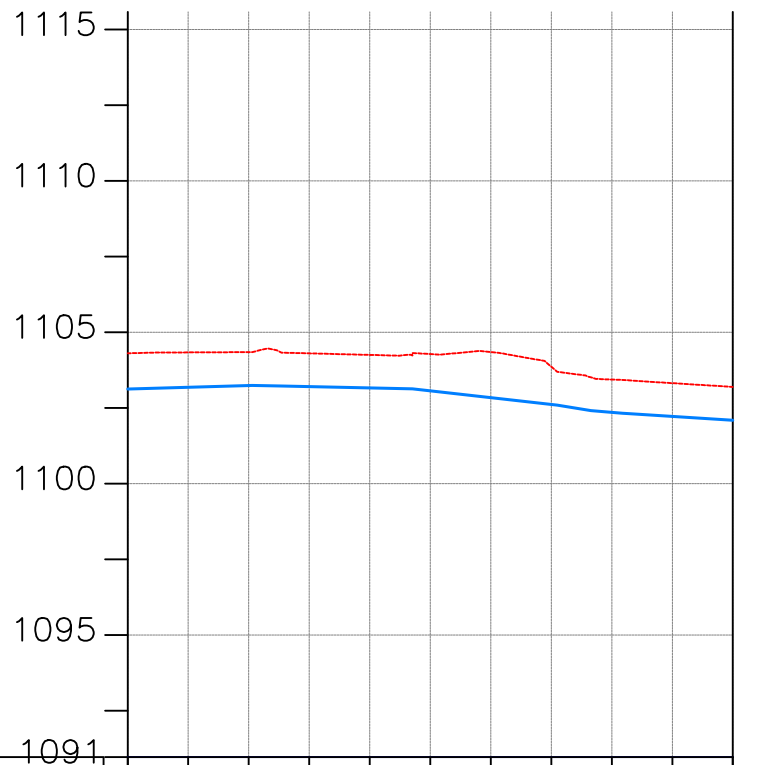
CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
TL TO KIBUKU (CH 9+000.00 - 9+500.00)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 9+000.00 - 9+500.00)	Sheet No.: 19
Format: A3	



**PLAN LAYOUT**



CHAINAGE	9+500	9+520		9+560		9+600		9+640		9+680	9+700
GROUND LEVEL(m)	1104.305	1104.333	1104.342	1104.302	1104.250	1104.278	1104.345	1103.858	1103.437	1103.318	1103.193
PIPE DETAILS	← OD 160, PN10, uPVC →										
PIPE INVERT(m)	1103.12	1103.18	1103.24	1103.21	1103.16	1103.06	1102.84	1102.61	1102.35	1102.22	1102.09

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
  2. All levels are in metres above sea level.
  3. For Site location see Dwg. MBW/0.0.0
  4. For Node details, see Dwg. MBW/6.0.0
  5. All valves, hydrants and washout locations are identified by marker post in positions.

**LEGEND**

- Transmission Line
- New Distribution Line
- Road
- DAV Double Orifice Air Valve
- WO\_2 Type 2 Washout
- (N01) Node detail No. 01

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

**PROJECT:**  
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

**Drawing Title:**  
TRANSMISSION MAINS  
**TL TO KIBUKU (CH 9+500.00 - 9+699.94)**

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/TL TO KIBUKU (CH 9+500.00 - 9+699.94)	
Sheet No.: 20	Format: A3