

REPUBLIC OF UGANDA



**VOLUME 4-2: BOOK OF DRAWINGS
(BUSOLWE DISTRIBUTION)**

INTEGRATED WATER MANAGEMENT AND DEVELOPMENT PROJECT (IWMDP)

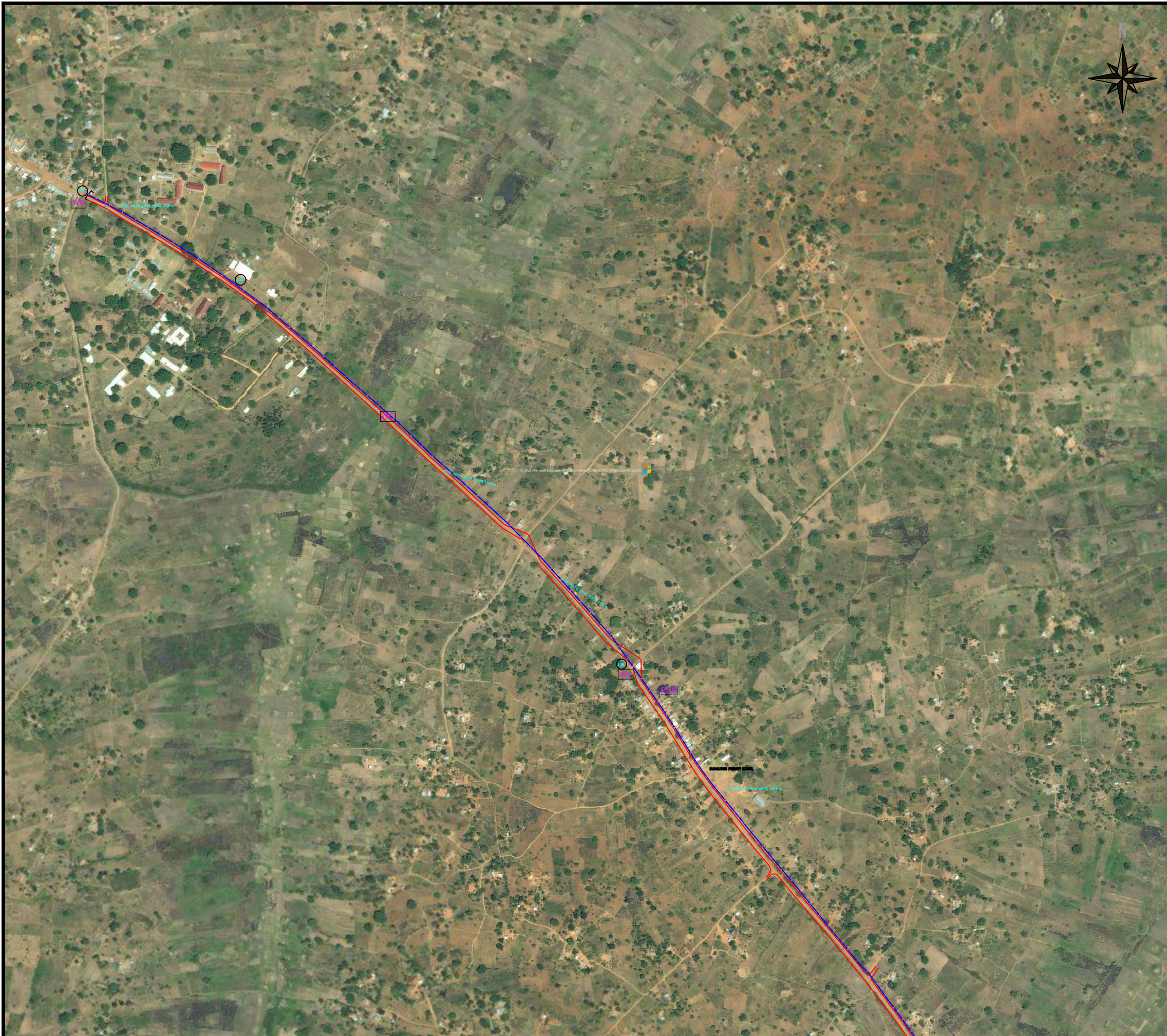
**CONSTRUCTION OF BUTALEJA AND BUSOLWE WATER SUPPLY AND
SANITATION SYSTEM**

CONTRACT NO: MWE/WRKS/21-22/00005/2

SUBMITTED BY:



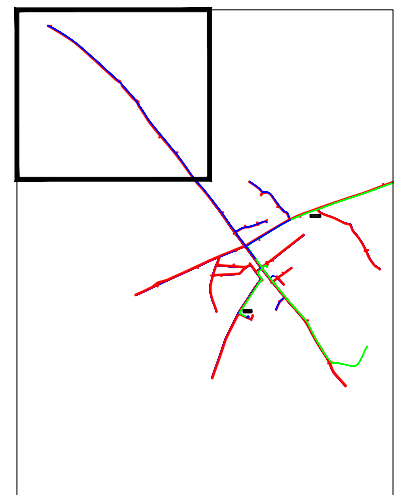
JULY 2022



LEGEND

LEGEND	
	Existing pipes
	New pipes
	Replacement pipes
	Replacement A.C pipes
	Roads
	Fences
	Pressure Zones
	Rivers
	Sewer Lines
	Houses
	Junctions
	Air Valves
	Wash Outs
	Fire Hydrants
	Disconnections
	Public stand Post
	Land Marks

KEY MAP



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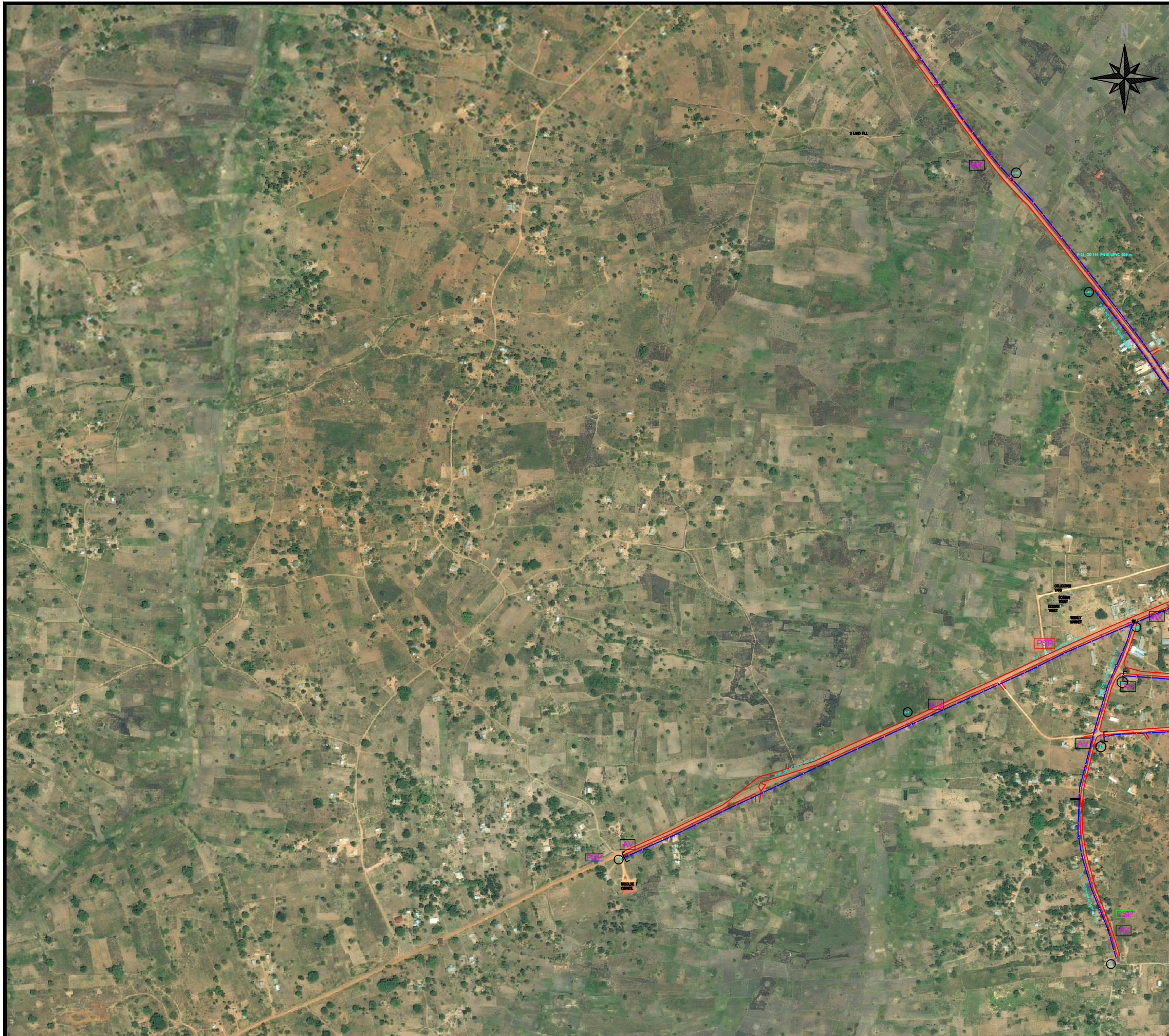
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
 CONSTRUCTION WORKS FOR WATER SUPPLY AND
 SANITATION SYSTEM IN SMALL TOWNS OF
 BUTALEJA AND BUSOLWE

CONSULTANT:

Drawing Title: BUSOLWE DISTRIBUTION NETWORK

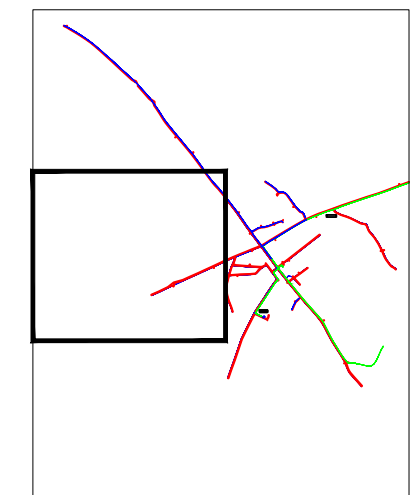
Drawn by : Andrew Turyakira	Approved by:
Checked by: Dr. Ronald Musenze	Dongwoon OH
Scale: As Indicated	Date: November 2021
Drawing No.: IWMDP/MBA/ 8-L-003	
Sheet No.: 1	Format: A3




LEGEND

LEGEND	
	Existing pipes
	New pipes
	Replacement pipes
	Replacement A.C pipes
	Roads
	Fences
	Pressure Zones
	Rivers
	Sewer Lines
	Houses
	Junctions
	Air Valves
	Wash Outs
	Fire Hydrants
	Disconnections
	Public stand Post
	Land Marks

KEY MAP



REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
 CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

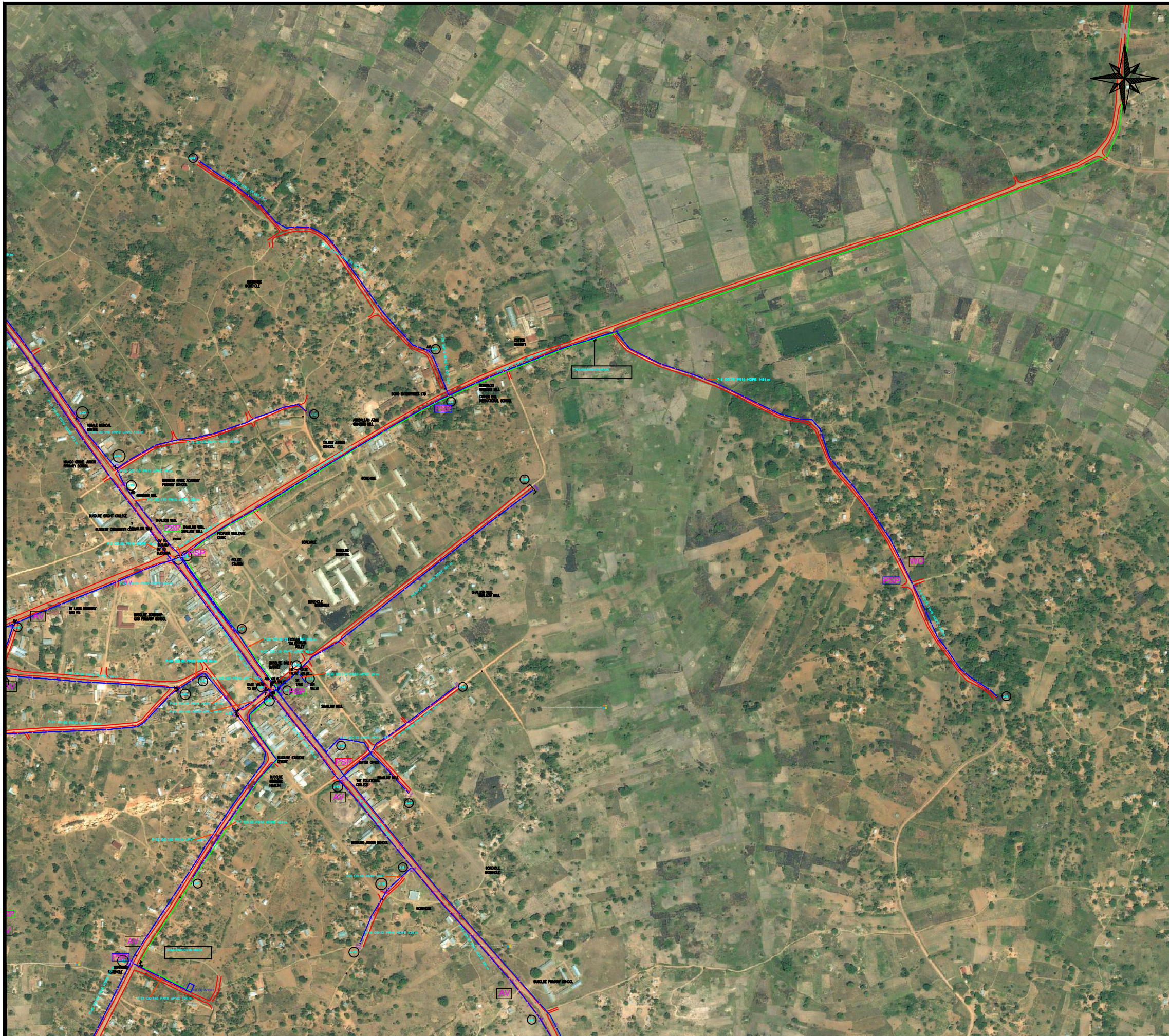
CONSULTANT:





Drawing Title: BUSOLWE DISTRIBUTION NETWORK

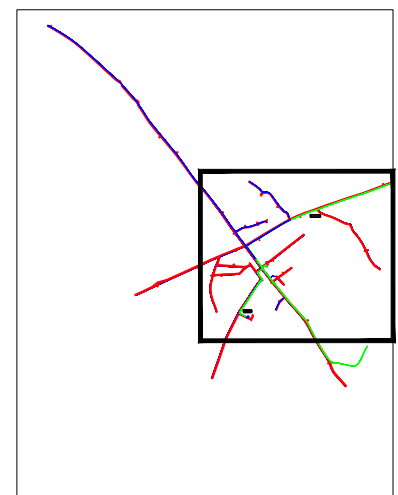
Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: November 2021
Scale: As Indicated	Drawing No.: IWMDP/MB/ 8-L-003
Sheet No.: 2	Format: A3




LEGEND

LEGEND	
	Existing pipes
	New pipes
	Replacement pipes
	Replacement A.C pipes
	Roads
	Fences
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	Wash Outs
	Fire Hydrants
	Disconnections
	Public stand Post
	Land Marks

KEY MAP



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MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
 CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:





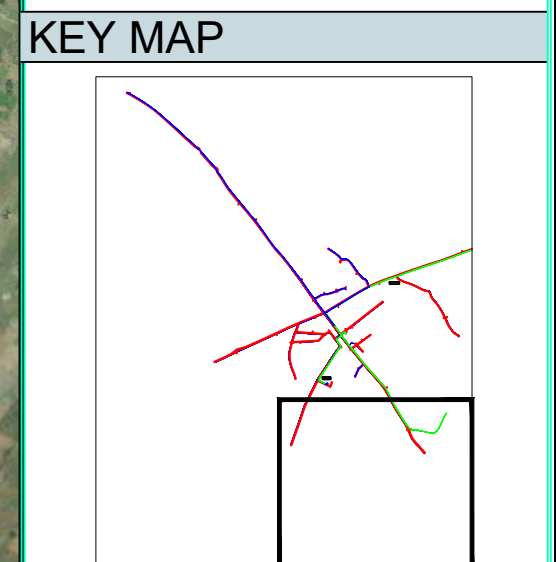
Drawing Title:
BUSOLWE DISTRIBUTION NETWORK

Drawn by : Andrew Turyakira	Approved by:
Checked by: Dr. Ronald Musenze	Dongwoon OH
Scale: As Indicated	Date: November 2021
Drawing No.: IWMDP/MBA/ 8-L-003	
Sheet No.: 3	Format: A3




LEGEND

LEGEND	
	Existing pipes
	New pipes
	Replacement pipes
	Replacement A.C pipes
	Roads
	Fences
	Pressure Zones
	Rivers
	Sewer Lines
	Houses
	Junctions
	Air Valves
	Wash Outs
	Fire Hydrants
	Disconnections
	Public stand Post
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MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
 CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

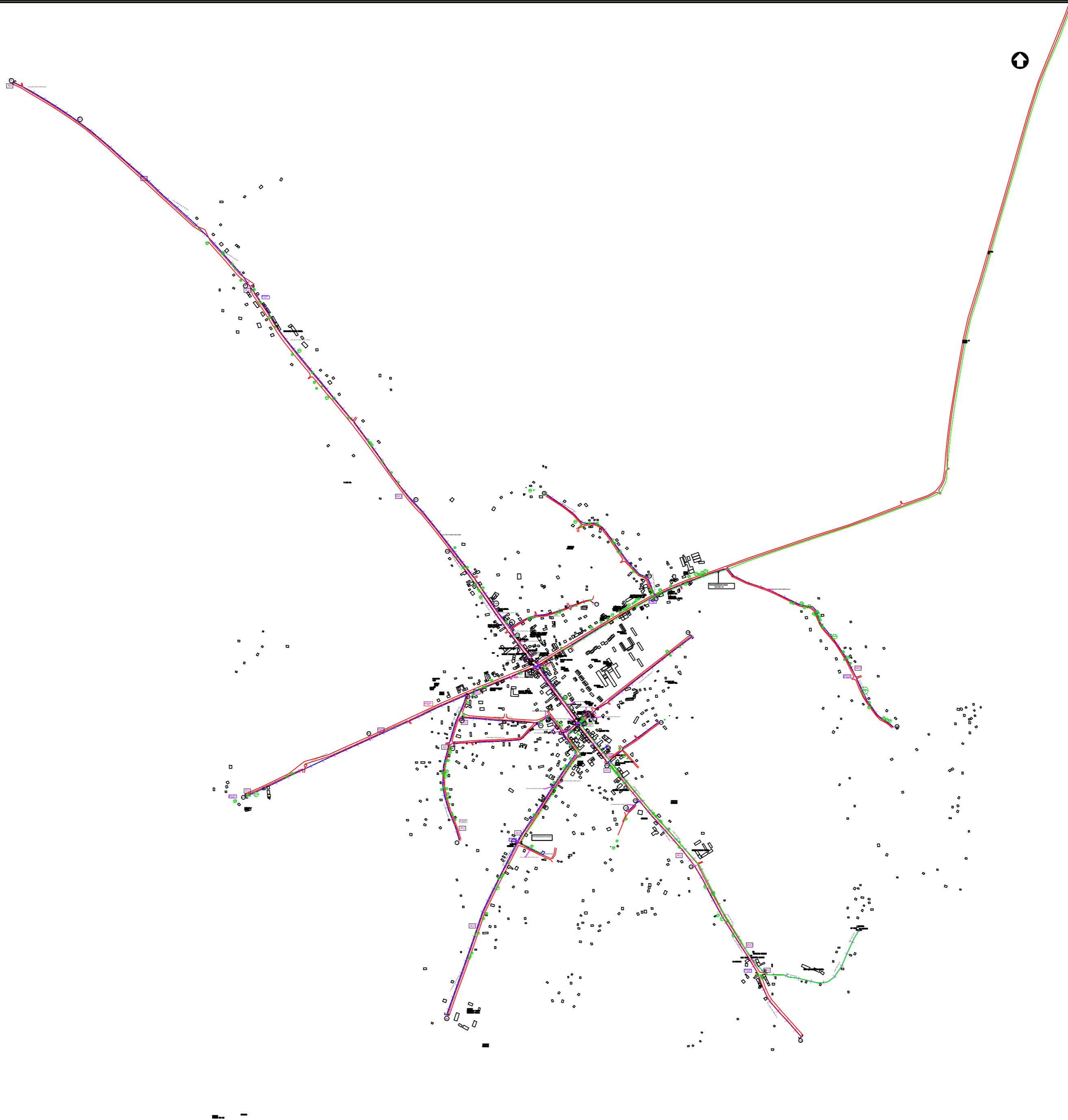
CONSULTANT:





Drawing Title:
BUSOLWE DISTRIBUTION NETWORK

Drawn by : Andrew Turyakira	Approved by:
Checked by: Dr. Ronald Musenze	Dongwoon OH
Scale: As Indicated	Date: November 2021
Drawing No.: IWMDP/MBA/ 8-L-003	
Sheet No.: 4	Format: A3








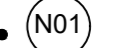
AMENDMENTS

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

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MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

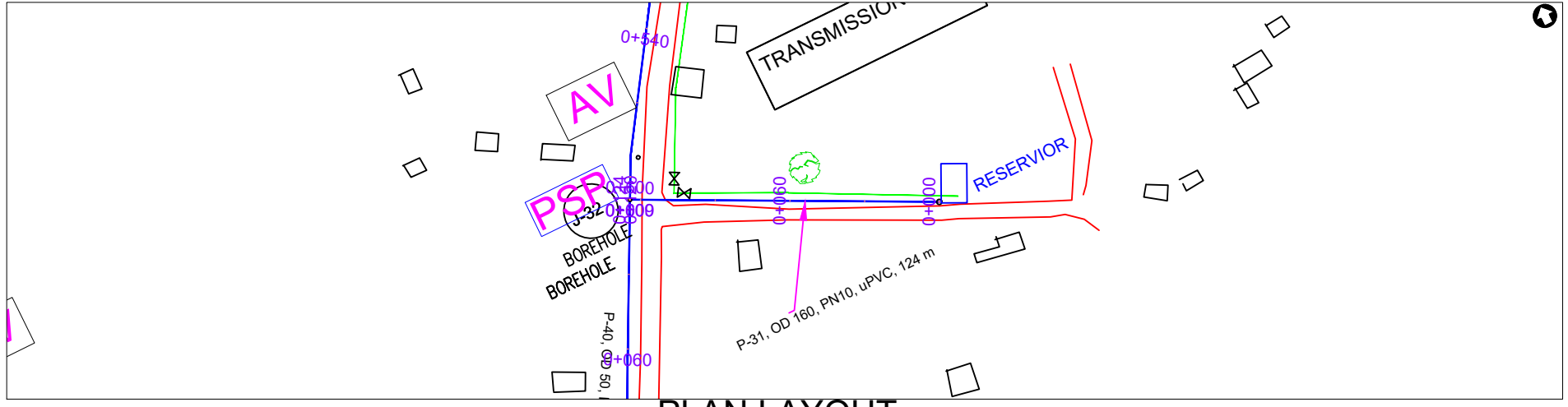
CONSULTANT:



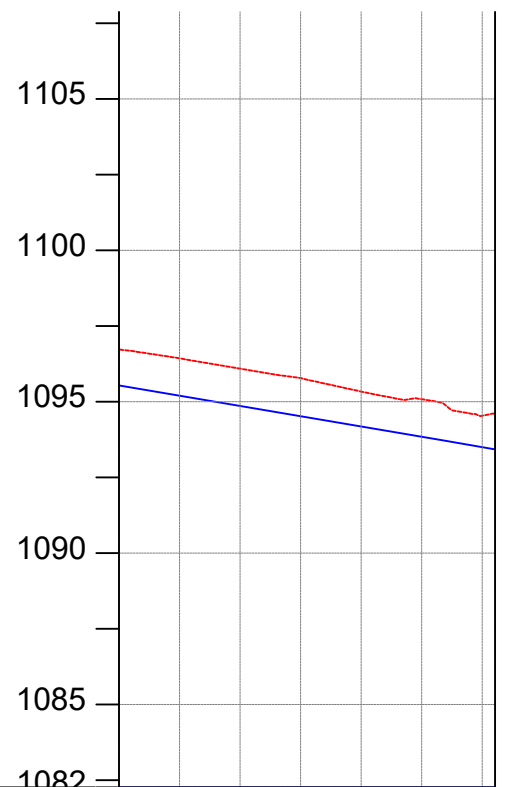
Drawing Title:

**BUSOLWE TOWN
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/BUS/001
Sheet No.: 1	Format: A2



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+124
GROUND LEVEL(m)	1096.723	1096.431	1096.092	1095.782	1095.335	1095.082	1094.606
PIPE DETAILS	P-31, OD 160, PN10, uPVC, 124 m						
PIPE INVERT(m)	1095.623	1095.331	1094.992	1094.682	1094.235	1093.982	1093.506

AMENDMENTS

No	Date	Revision

NOTES

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4. For Node details, see Dwg. MB/W/6.0.0
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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 BUTALEJA AND BUSOLWE

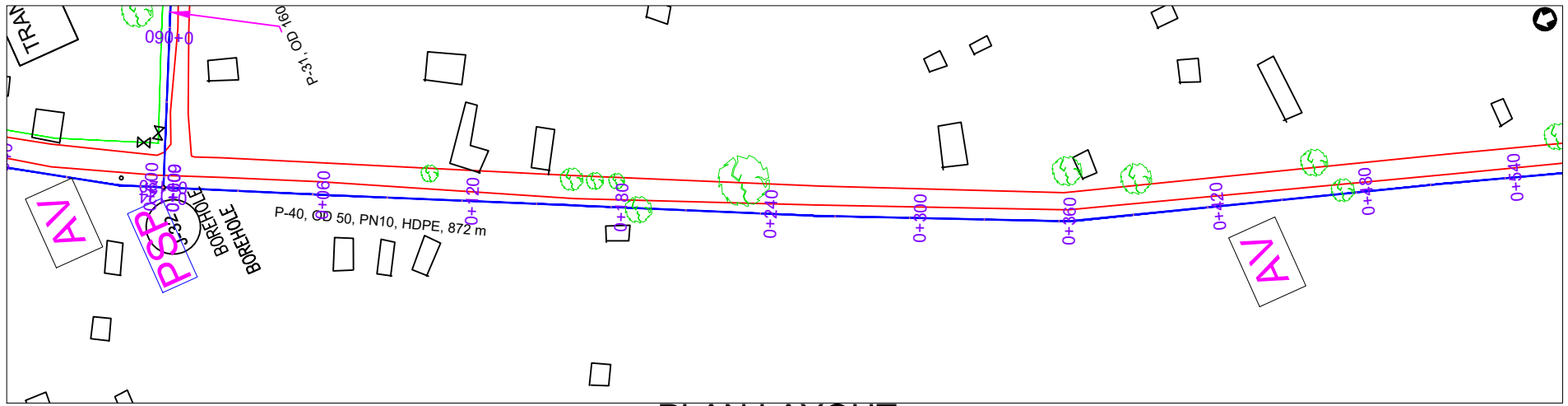
CONSULTANT:



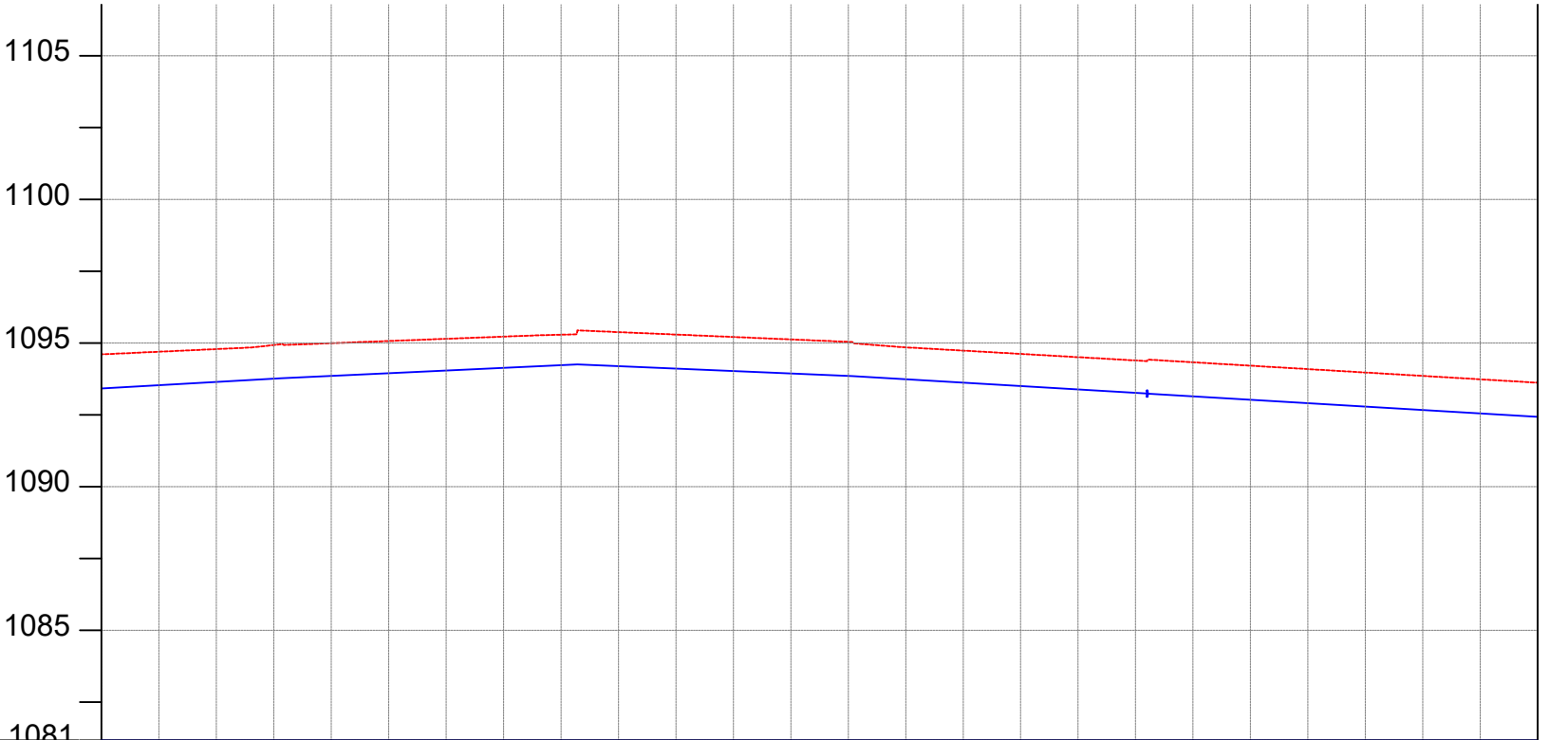
Drawing Title:

BUSOLWE TOWN
DL-01 (CH 0+000.00 - 0+124.27)

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/DL-01 (CH 0+000.00 - 0+124.27)	
Sheet No.: 1	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)	1094.606	1094.698	1094.789	1094.930	1094.994	1095.071	1095.147	1095.224	1095.291	1095.380	1095.296	1095.211	1095.126	1095.042	1094.850	1094.736	1094.623	1094.508	1094.394	1094.330	1094.212	1094.093	1093.974	1093.856	1093.737	1093.619
PIPE DETAILS	P-40, OD 50, PN10, HDPE, 872 m																									
PIPE INVERT(m)	1093.506	1093.598	1093.689	1093.830	1093.894	1093.971	1094.047	1094.124	1094.191	1094.280	1094.196	1094.111	1094.026	1093.942	1093.750	1093.636	1093.523	1093.408	1093.294	1093.230	1093.112	1092.993	1092.874	1092.756	1092.637	1092.519

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

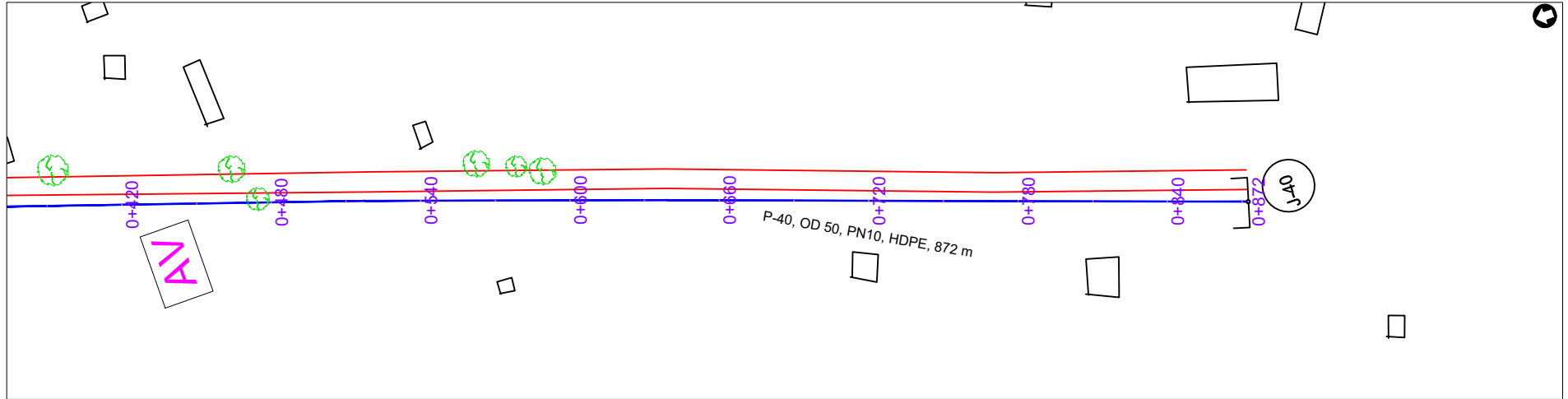
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

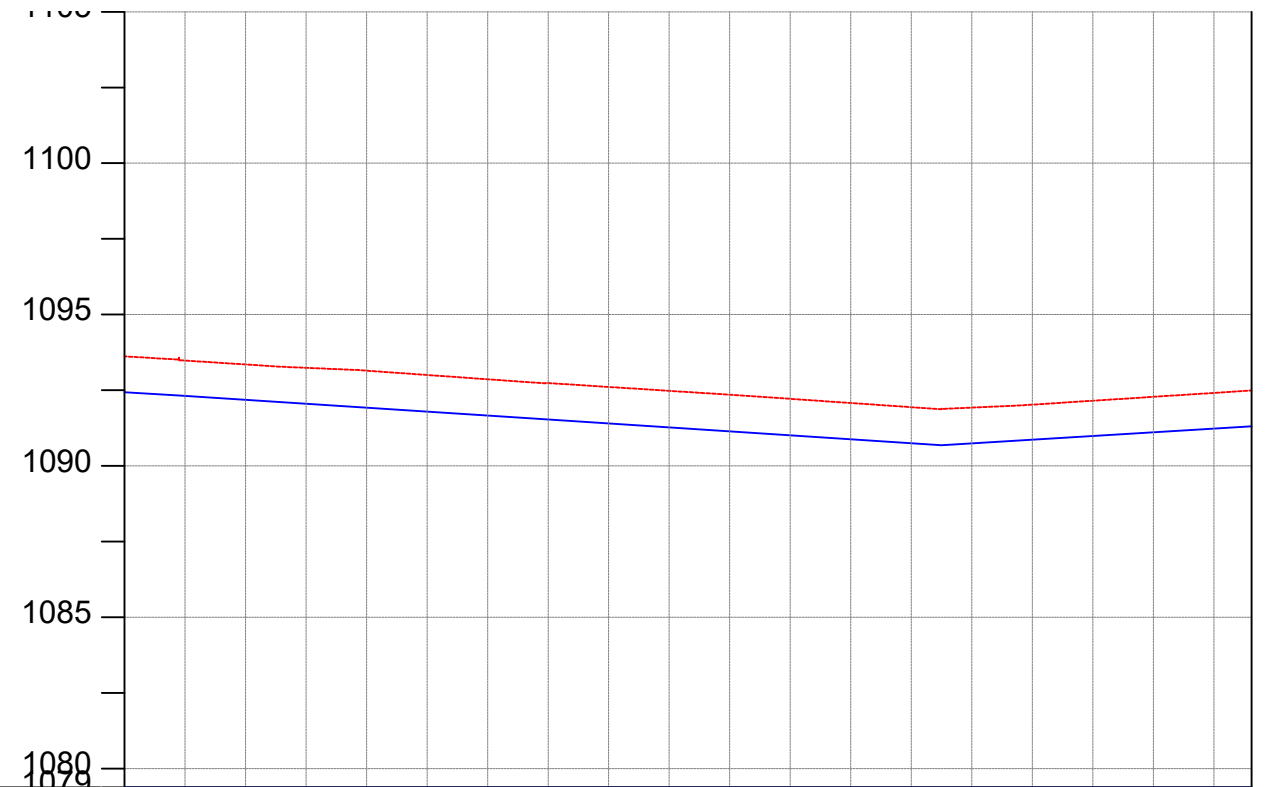
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-02 (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/DL-02 (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+872
GROUND LEVEL(m)	1093.619	1093.481	1093.351	1093.240	1093.146	1093.004	1092.862	1092.737	1092.608	1092.480	1092.350	1092.216	1092.078	1091.940	1091.926	1092.024	1092.153	1092.283	1092.412	1092.492
PIPE DETAILS	P-40, OD 50, PN10, HDPE, 872 m																			
PIPE INVERT(m)	1092.519	1092.381	1092.251	1092.140	1092.046	1091.904	1091.762	1091.637	1091.508	1091.380	1091.250	1091.116	1090.978	1090.840	1090.826	1090.924	1091.053	1091.183	1091.312	1091.392

AMENDMENTS

No	Date	Revision

- NOTES**
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LEGEND

- Transmission Line
- New Distribution Line
- // Road
- DAV Double Orifice Air Valve
- WO_2 Type 2 Washout
- (N01) Node detail No. 01

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MINISTRY OF WATER AND ENVIRONMENT

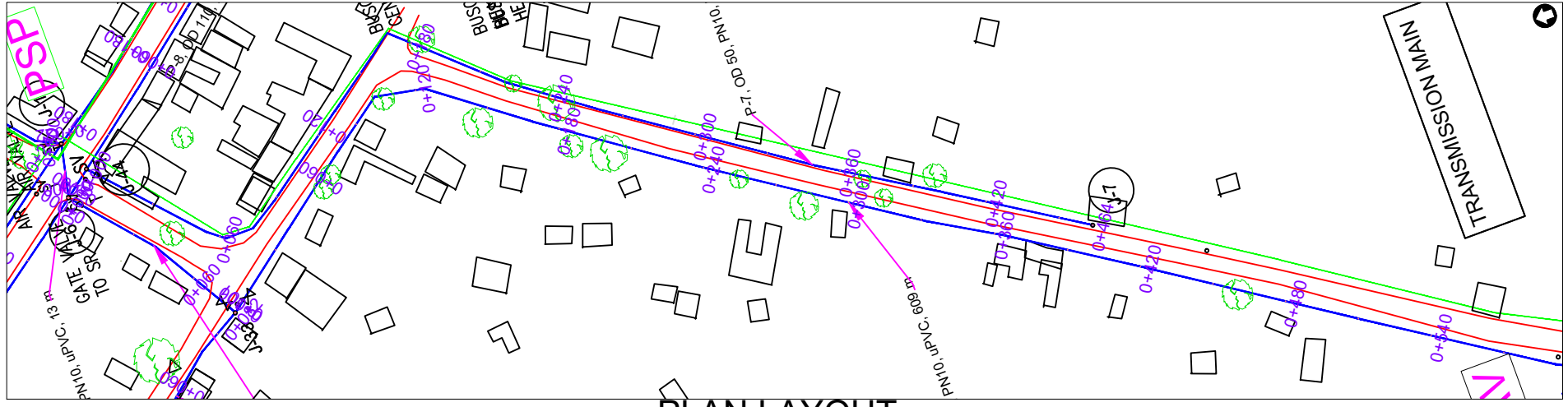
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

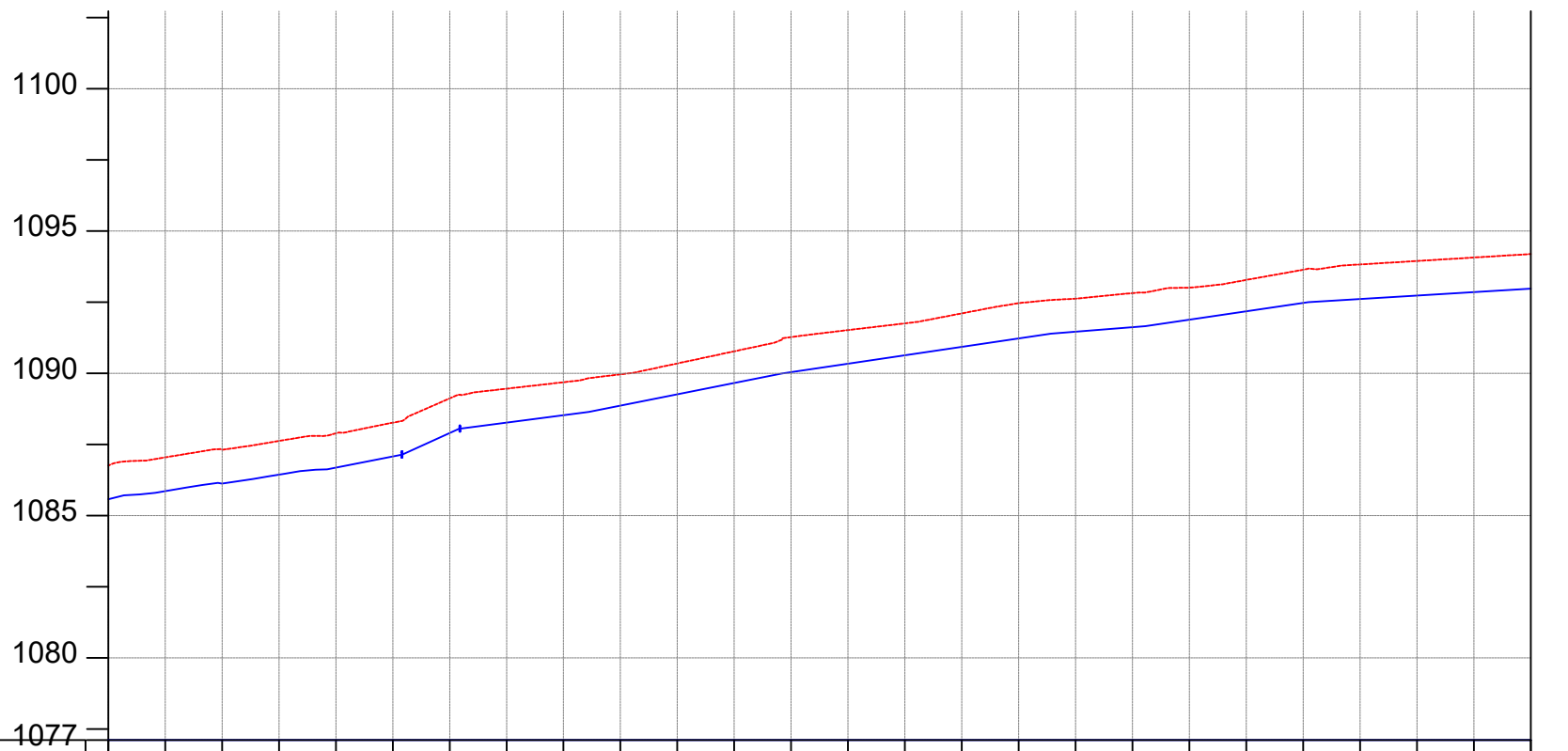
Drawing Title:

**BUSOLWE TOWN
DL-02 (CH 0+500.00 - 0+872.45)**

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/DL-02 (CH 0+500.00 - 0+872.45)	
Sheet No.: 2	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)	1086.757	1087.045	1087.311	1087.623	1087.891	1088.265	1089.119	1089.460	1089.687	1089.964	1090.346	1090.773	1091.273	1091.519	1091.755	1092.106	1092.465	1092.624	1092.819	1093.010	1093.283	1093.640	1093.825	1093.947	1094.070	1094.192
PIPE DETAILS	P-32, OD 160, PN10, uPVC, 609 m																									
PIPE INVERT(m)	1085.657	1085.945	1086.211	1086.523	1086.791	1087.165	1088.019	1088.360	1088.587	1088.864	1089.246	1089.673	1090.173	1090.419	1090.655	1091.006	1091.365	1091.524	1091.719	1091.910	1092.183	1092.540	1092.725	1092.847	1092.970	1093.092

AMENDMENTS

No	Date	Revision

NOTES

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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 BUTALEJA AND BUSOLWE

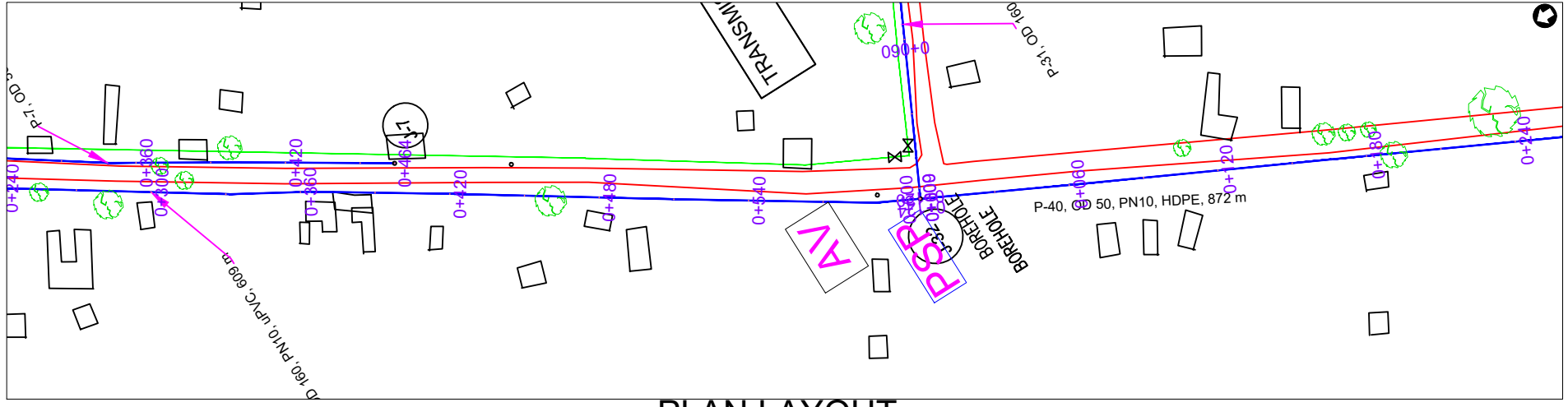
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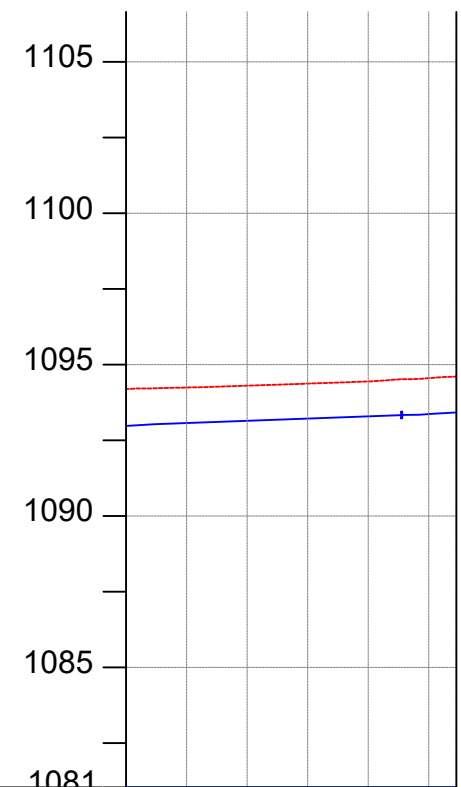
Drawing Title:

BUSOLWE TOWN
DL-03 (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/DL-03 (CH 0+000.00 - 0+500.00)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+500	0+520		0+560		0+600	0+609
GROUND LEVEL(m)	1094.192	1094.244	1094.304	1094.373	1094.443	1094.553	1094.606
PIPE DETAILS	P-32, OD 160, PN10, uPVC, 609 m						
PIPE INVERT(m)	1093.092	1093.144	1093.204	1093.273	1093.343	1093.453	1093.506

AMENDMENTS		
No	Date	Revision

- NOTES**
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 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 BUTALEJA AND BUSOLWE

CONSULTANT:

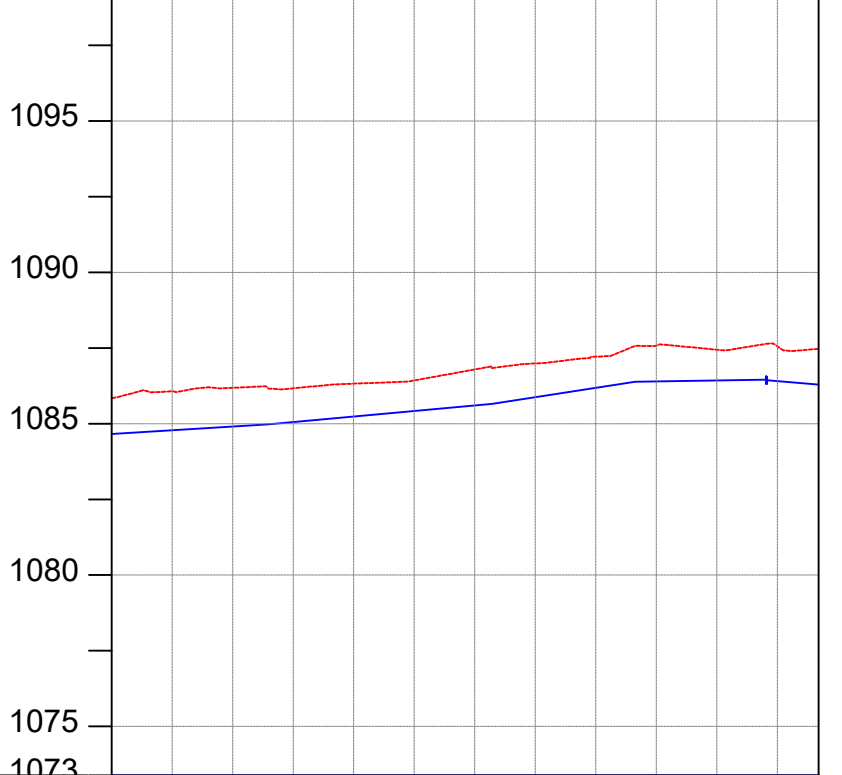
Drawing Title:

**BUSOLWE TOWN
DL-03 (CH 0+500.00 - 0+609.13)**

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/DL-03 (CH 0+500.00 - 0+609.13)	
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+160	0+200	0+234
GROUND LEVEL(m)	1085.843	1086.074	1086.185	1086.169	1086.323	1086.429	1086.792
PIPE DETAILS	P-8, OD 110, PN10, uPVC, 234 m						
PIPE INVERT(m)	1084.743	1084.974	1085.085	1085.069	1085.223	1085.329	1085.692
	1085.890	1086.115	1086.480	1086.341	1086.456	1086.375	1087.475

AMENDMENTS		
No	Date	Revision

- NOTES**
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 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

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PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

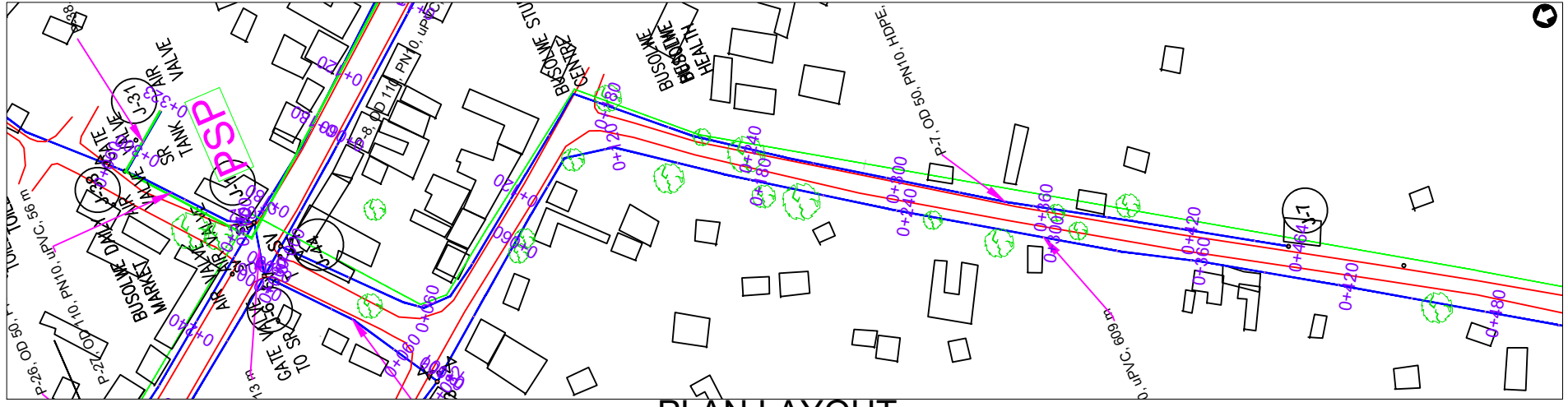
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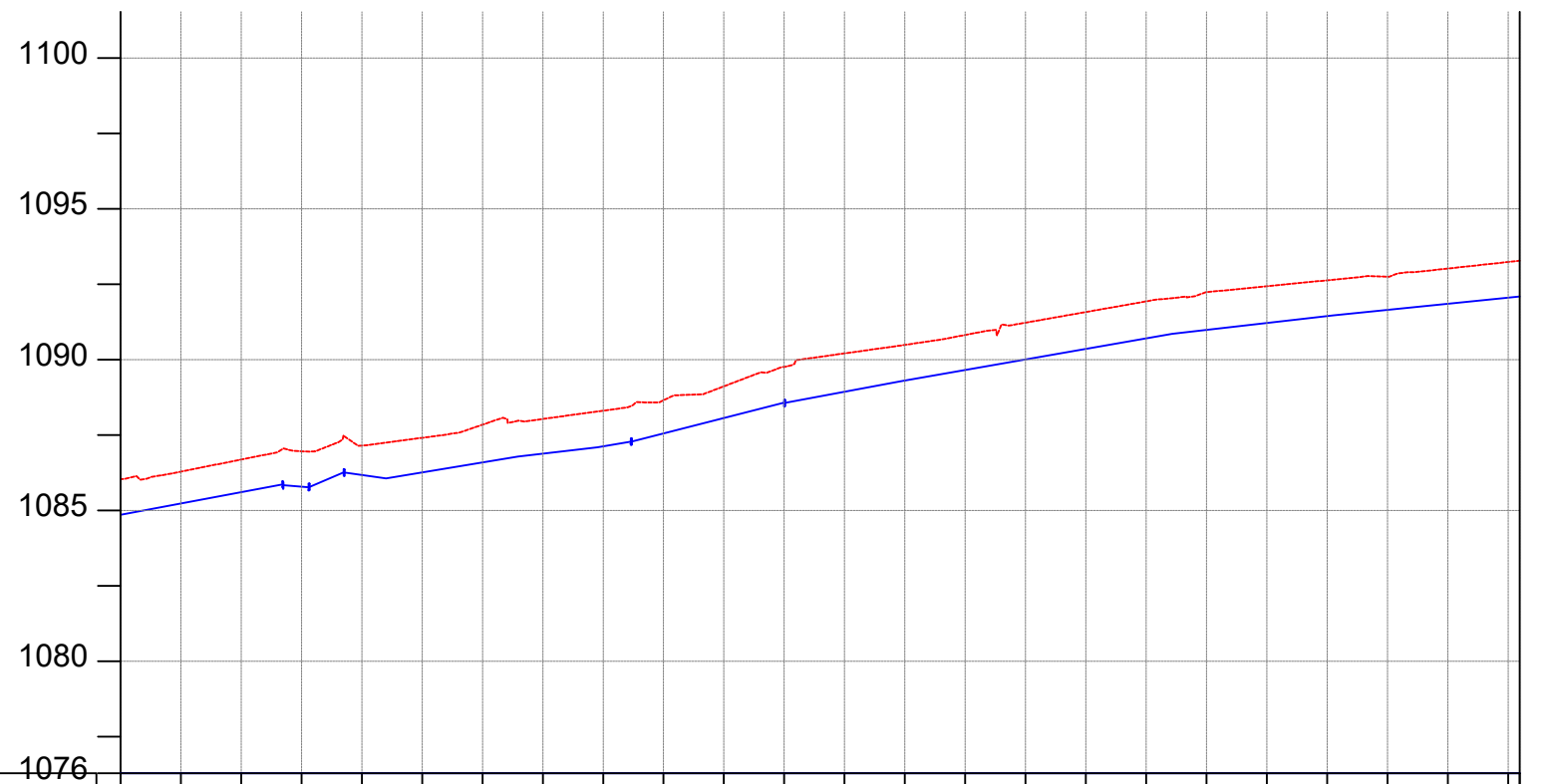


Drawing Title:
BUSOLWE TOWN
DL-05 (CH 0+000.00 - 0+233.63)

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/DL-05 (CH 0+000.00 - 0+233.63)	
Sheet No.: 1	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+464
GROUND LEVEL(m)	1086.038	1086.288	1086.688	1086.963	1087.150	1087.408	1087.843	1088.034	1088.307	1088.653	1089.116	1089.761	1090.208	1090.489	1090.819	1091.226	1091.579	1091.933	1092.237	1092.434	1092.631	1092.751	1093.021	1093.289
PIPE DETAILS	P-7, OD 50, PN10, HDPE, 424 m																							
PIPE INVERT(m)	1084.938	1085.188	1085.588	1085.863	1086.050	1086.308	1086.743	1086.934	1087.207	1087.553	1088.016	1088.661	1089.108	1089.389	1089.719	1090.126	1090.479	1090.833	1091.137	1091.334	1091.531	1091.651	1091.921	1092.189

AMENDMENTS		
No	Date	Revision

- NOTES**
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 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

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MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

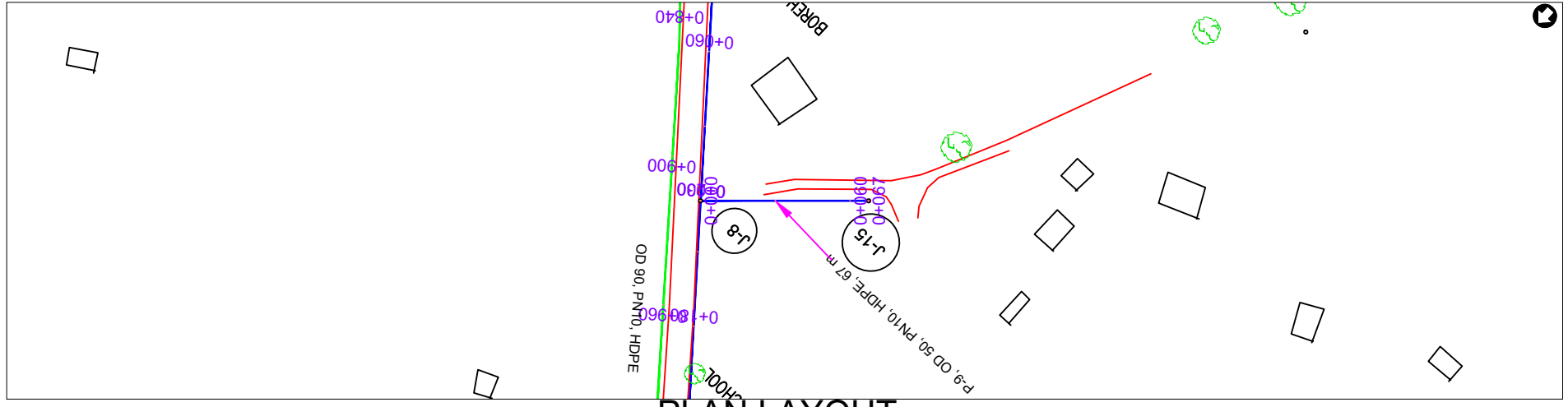
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

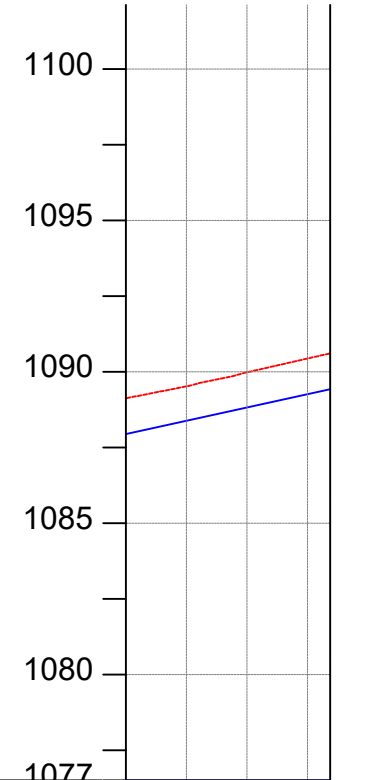
Drawing Title:

**BUSOLWE TOWN
DL-06 (CH 0+000.00 - 0+463.85)**

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/DL-06 (CH 0+000.00 - 0+463.85)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040	0+067
GROUND LEVEL(m)	1089.126	1089.519	1089.983	1090.609
PIPE DETAILS	P-9, OD 50, PN10, HDPE, 67 m			
PIPE INVERT(m)	1088.026	1088.419	1088.883	1089.509

AMENDMENTS

No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
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 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

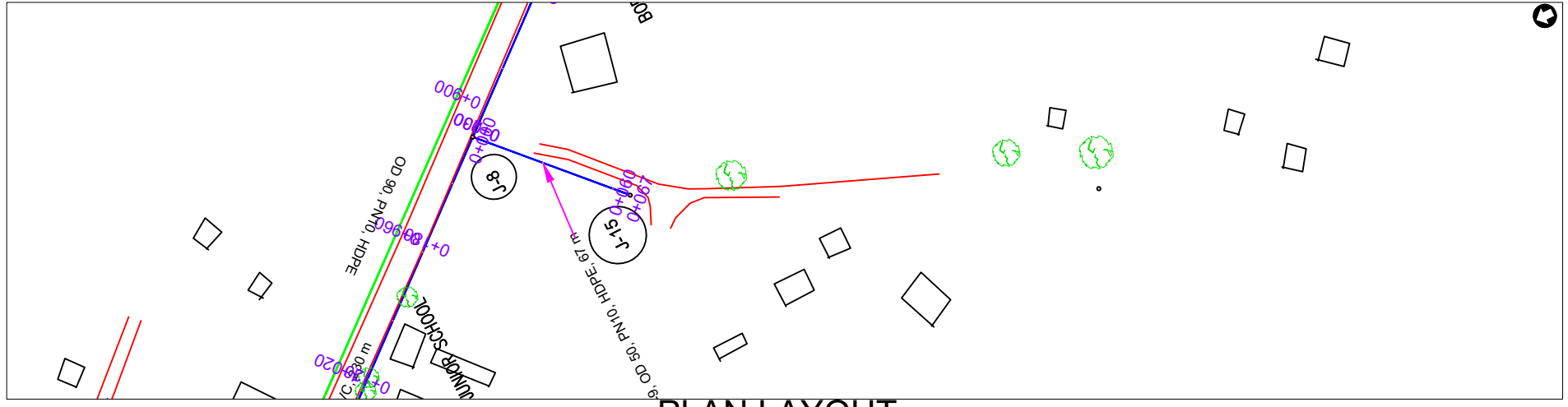
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

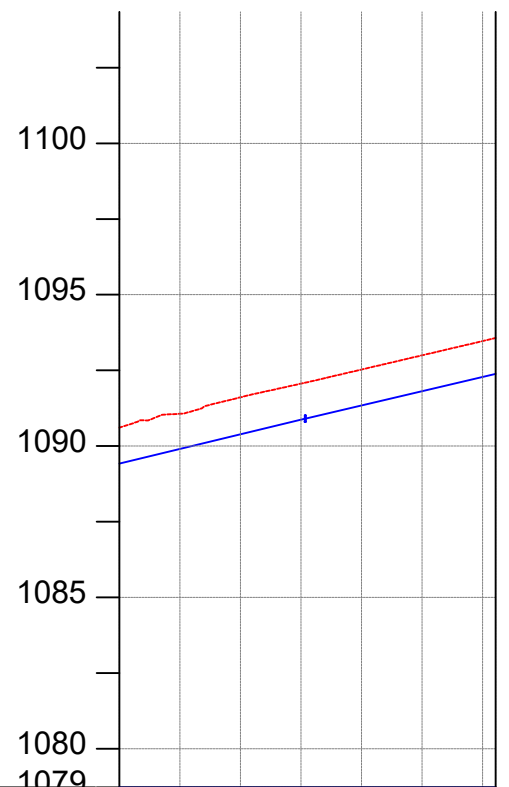
Drawing Title:

BUSOLWE TOWN
DL-08 (CH 0+000.00 - 0+067.45)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL-08 (CH 0+000.00 - 0+067.45)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+124
GROUND LEVEL(m)	1090.609	1091.068	1091.610	1092.062	1092.528	1092.997	1093.566
PIPE DETAILS	P-14, OD 32, PN10, HDPE, 124 m						
PIPE INVERT(m)	1089.509	1089.968	1090.510	1090.962	1091.428	1091.897	1092.466

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

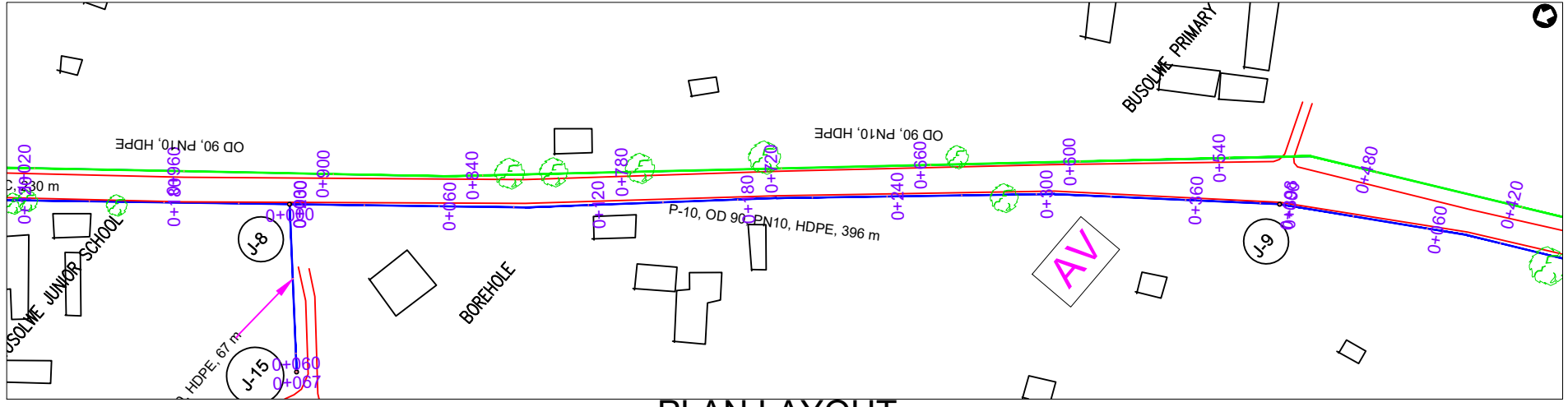
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

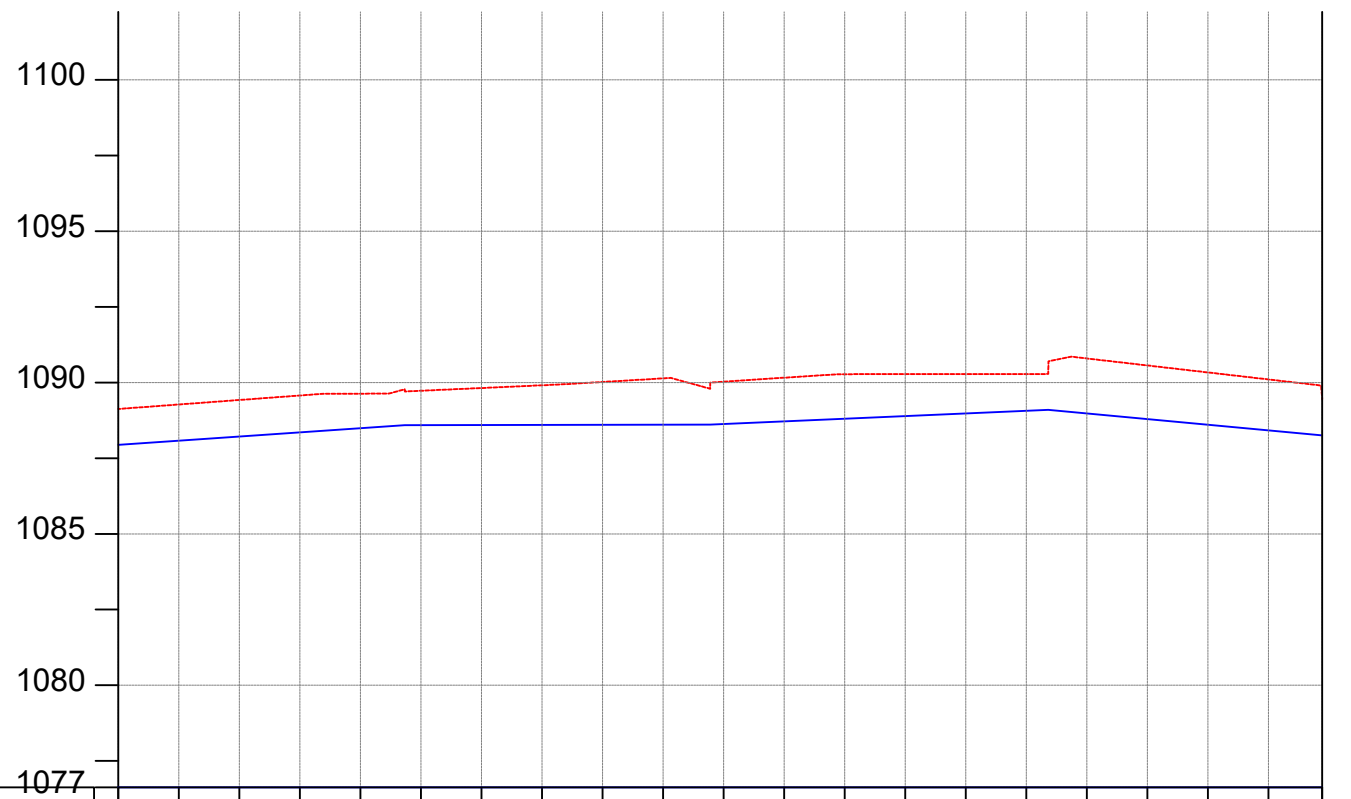
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-10 (CH 0+000.00 - 0+124.34)

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/DL-10 (CH 0+000.00 - 0+124.34)	
Sheet No.: 1	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+398
GROUND LEVEL(m)	1089.126	1089.275	1089.423	1089.571	1089.632	1089.728	1089.819	1089.909	1090.019	1090.137	1090.029	1090.159	1090.275	1090.277	1090.279	1090.281	1090.795	1090.564	1090.333	1090.103	1089.441
PIPE DETAILS	P-10, OD 90, PN10, HDPE, 398 m																				
PIPE INVERT(m)	1088.026	1088.175	1088.323	1088.471	1088.532	1088.628	1088.719	1088.809	1088.919	1089.037	1088.929	1089.059	1089.175	1089.177	1089.179	1089.181	1089.695	1089.464	1089.233	1089.003	1088.341

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

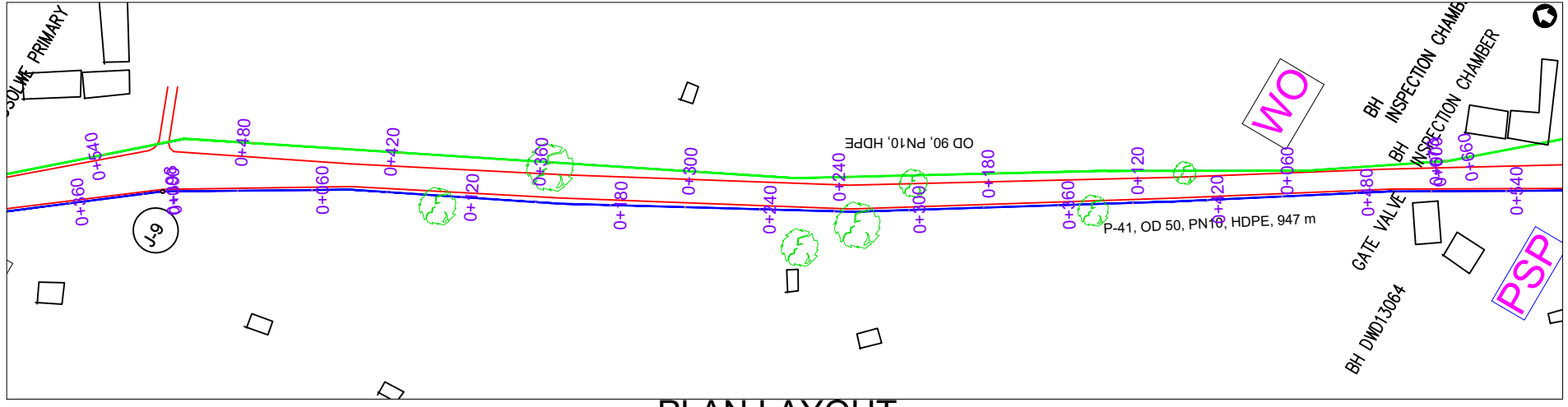
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

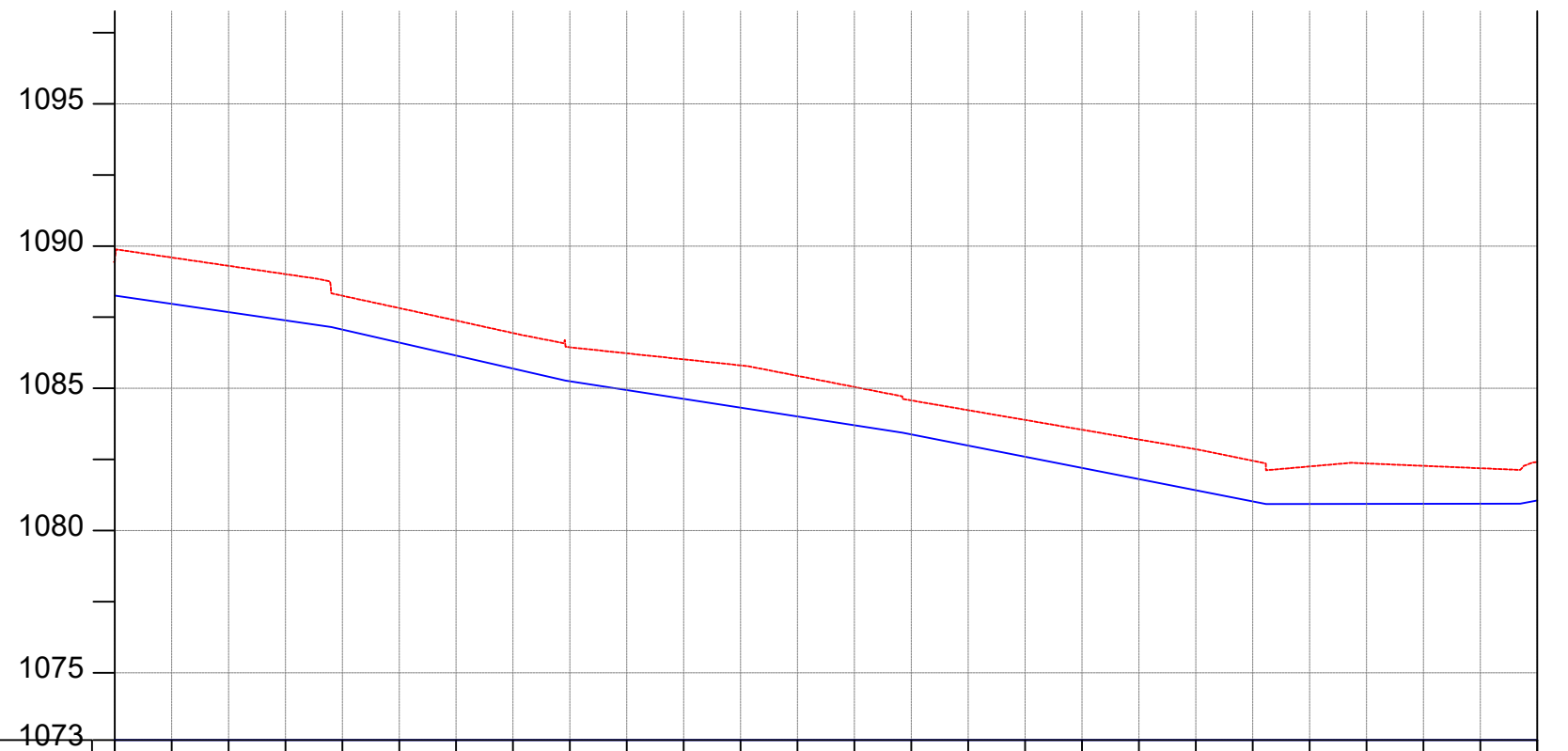
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-11 (CH 0+000.00 - 0+397.80)

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/DL-11 (CH 0+000.00 - 0+397.80)	
Sheet No.: 1	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)	1089.441	1089.598	1089.306	1089.013	1088.254	1087.820	1087.382	1086.942	1086.442	1086.230	1086.018	1085.807	1085.438	1085.047	1084.575	1084.232	1083.888	1083.545	1083.202	1082.859	1082.457	1082.255	1082.360	1082.276	1082.191	1082.411
PIPE DETAILS	P-41, OD 50, PN10, HDPE, 947 m																									
PIPE INVERT(m)	1088.341	1088.498	1088.206	1087.913	1087.154	1086.720	1086.282	1085.842	1085.342	1085.130	1084.918	1084.707	1084.338	1083.947	1083.475	1083.132	1082.788	1082.445	1082.102	1081.759	1081.357	1081.155	1081.260	1081.176	1081.091	1081.311

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:

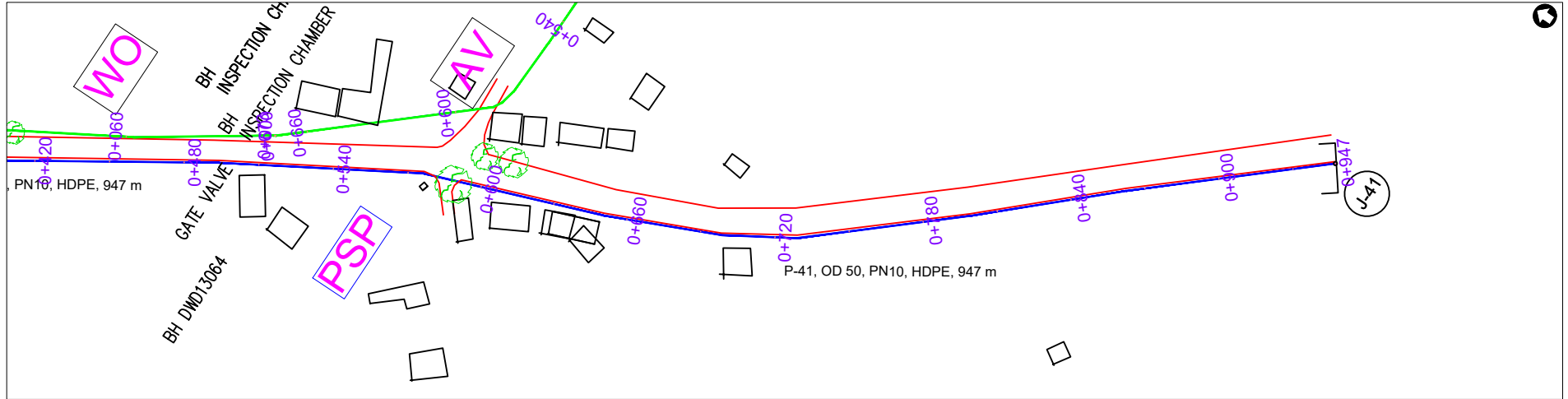
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

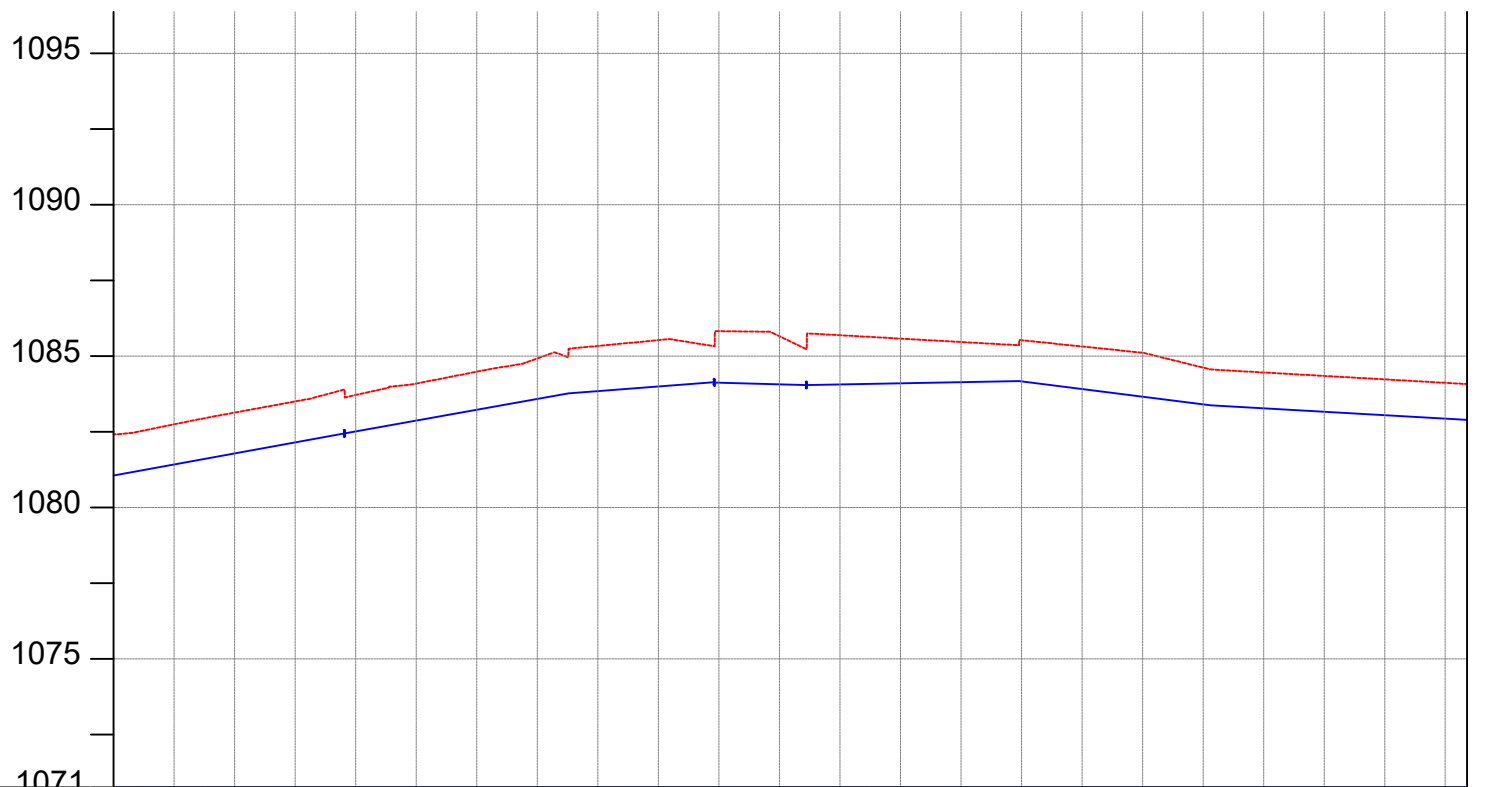
Drawing Title:

**BUSOLWE TOWN
DL-12 (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/DL-12 (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+947											
GROUND LEVEL(m)	1082.411	1082.747	1083.136	1083.505	1083.720	1084.095	1084.487	1084.925	1085.338	1085.529	1085.826	1085.658	1085.692	1085.580	1085.468	1085.527	1085.320	1085.113	1084.621	1084.461	1084.347	1084.233	1084.119	1084.078
PIPE DETAILS	P-41, OD 50, PN10, HDPE, 947 m																							
PIPE INVERT(m)	1081.311	1081.647	1082.036	1082.405	1082.620	1082.995	1083.387	1083.825	1084.238	1084.429	1084.726	1084.558	1084.592	1084.480	1084.368	1084.427	1084.220	1084.013	1083.521	1083.361	1083.247	1083.133	1083.019	1082.978

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

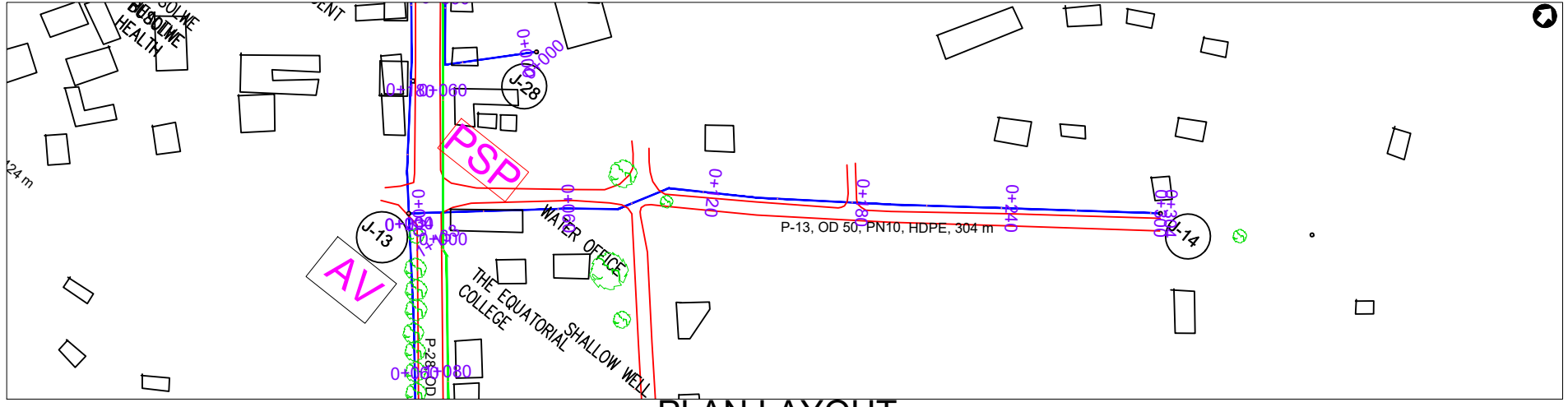
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

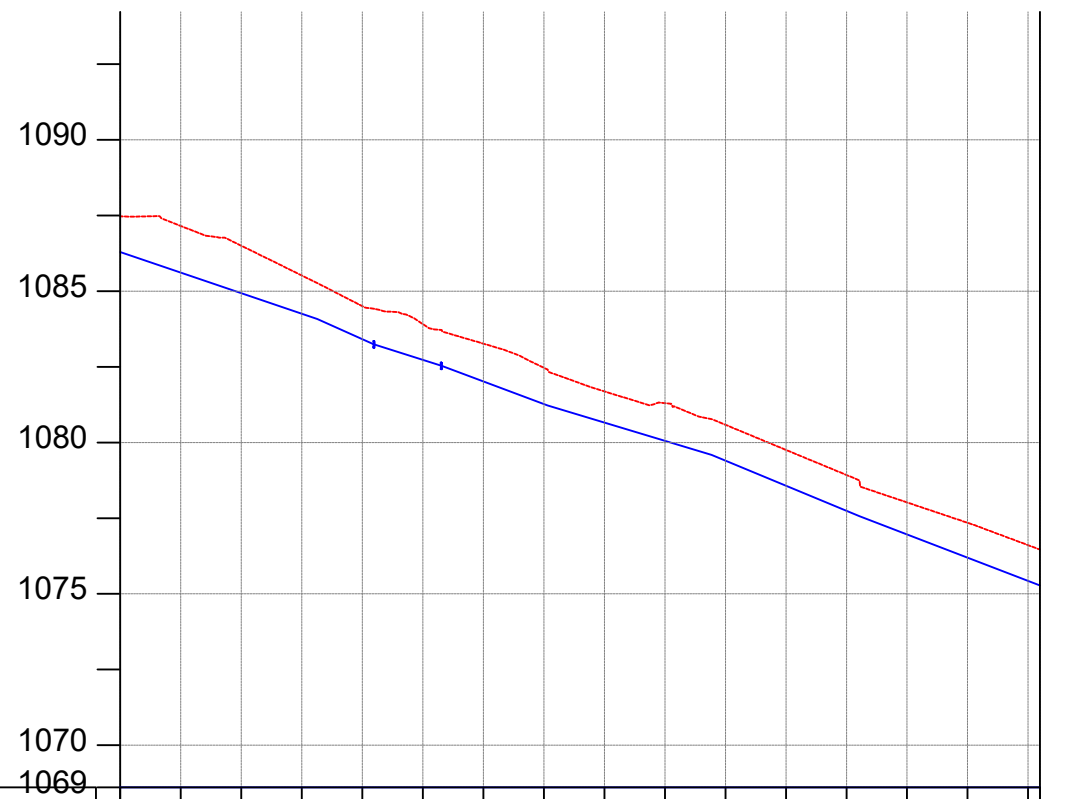
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-12 (CH 0+500.00 - 0+947.19)

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/DL-12 (CH 0+500.00 - 0+947.19)	
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+160	0+200	0+240	0+280	0+304							
GROUND LEVEL(m)	1087.475	1087.154	1086.501	1085.518	1084.504	1083.911	1083.265	1082.468	1081.687	1081.301	1080.584	1079.756	1078.927	1078.021	1077.348	1076.489
PIPE DETAILS	P-13, OD 50, PN10, HDPE, 304 m															
PIPE INVERT(m)	1086.375	1086.054	1085.401	1084.418	1083.404	1082.811	1082.165	1081.368	1080.587	1080.201	1079.484	1078.656	1077.827	1076.921	1076.248	1075.589

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

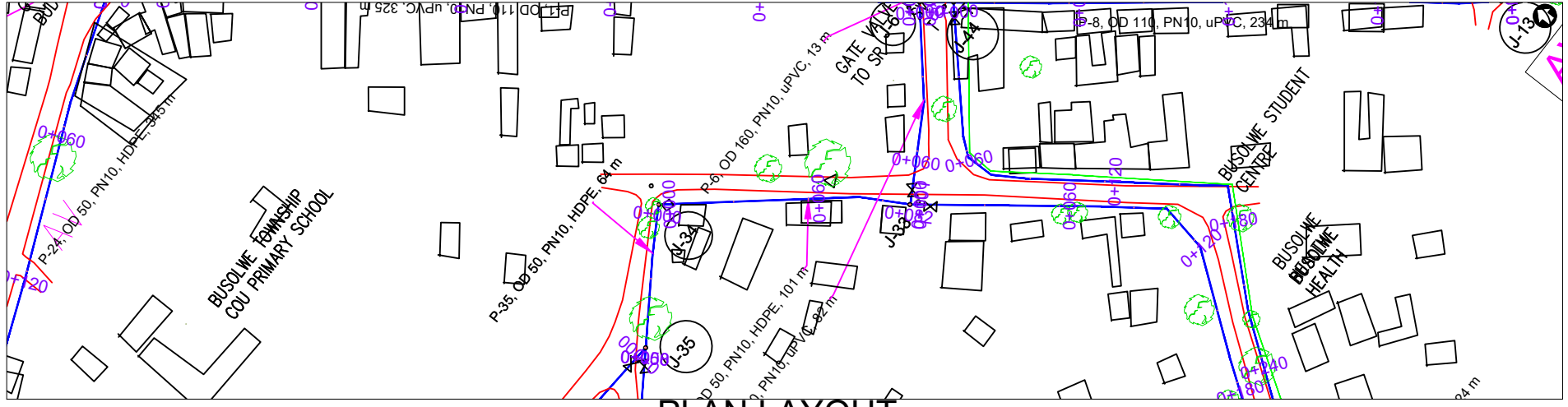
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

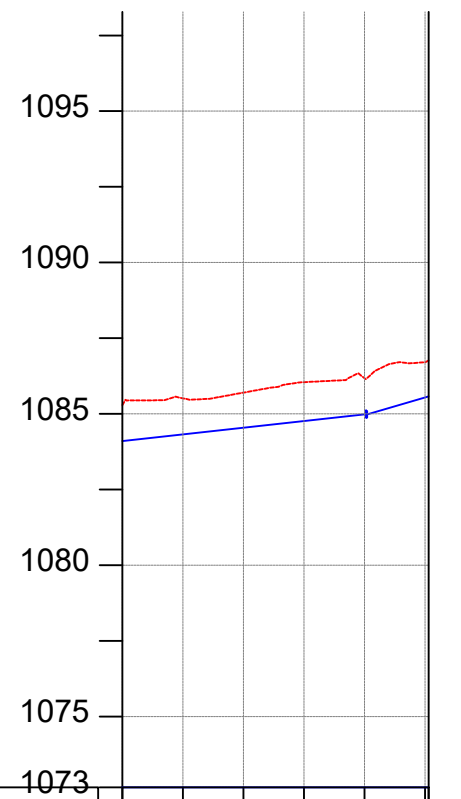
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-13 (CH 0+000.00 - 0+303.92)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL-13 (CH 0+000.00 - 0+303.92)
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080	0+101
GROUND LEVEL(m)	1085.287	1085.508	1085.702	1086.047	1086.183	1086.768
PIPE DETAILS	P-34, OD 50, PN10, HDPE, 101 m					
PIPE INVERT(m)	1084.187	1084.408	1084.602	1084.947	1085.083	1085.668

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

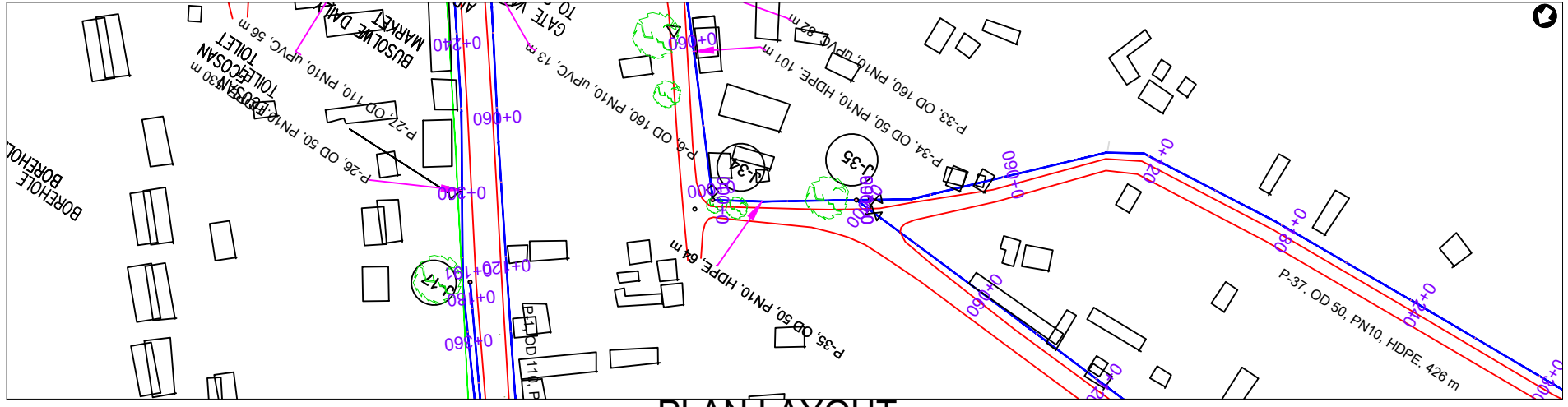
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

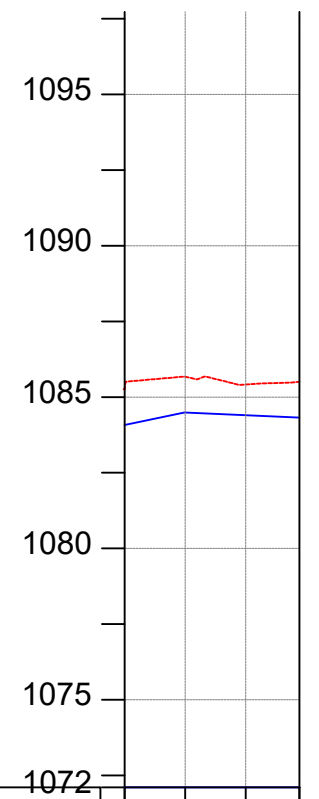
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-14 (CH 0+000.00 - 0+101.19)

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/DL-14 (CH 0+000.00 - 0+101.19)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+058
GROUND LEVEL(m)	1085.262	1085.672	1085.416
PIPE INVERT(m)	1084.162	1084.572	1084.316

P-35, OD 50, PN10, HDPE, 58 m

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 BUTALEJA AND BUSOLWE

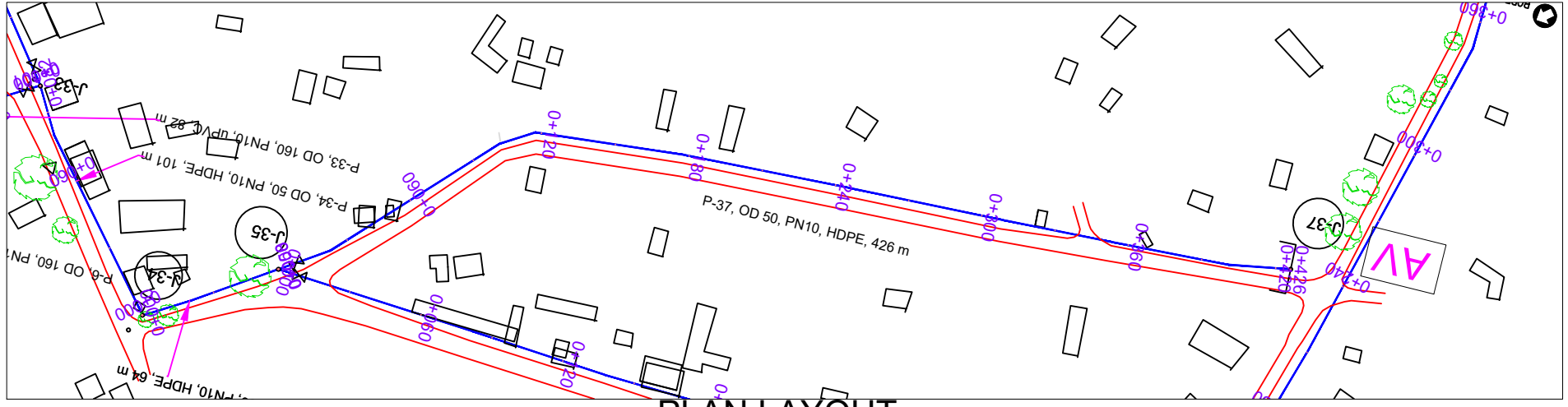
CONSULTANT:



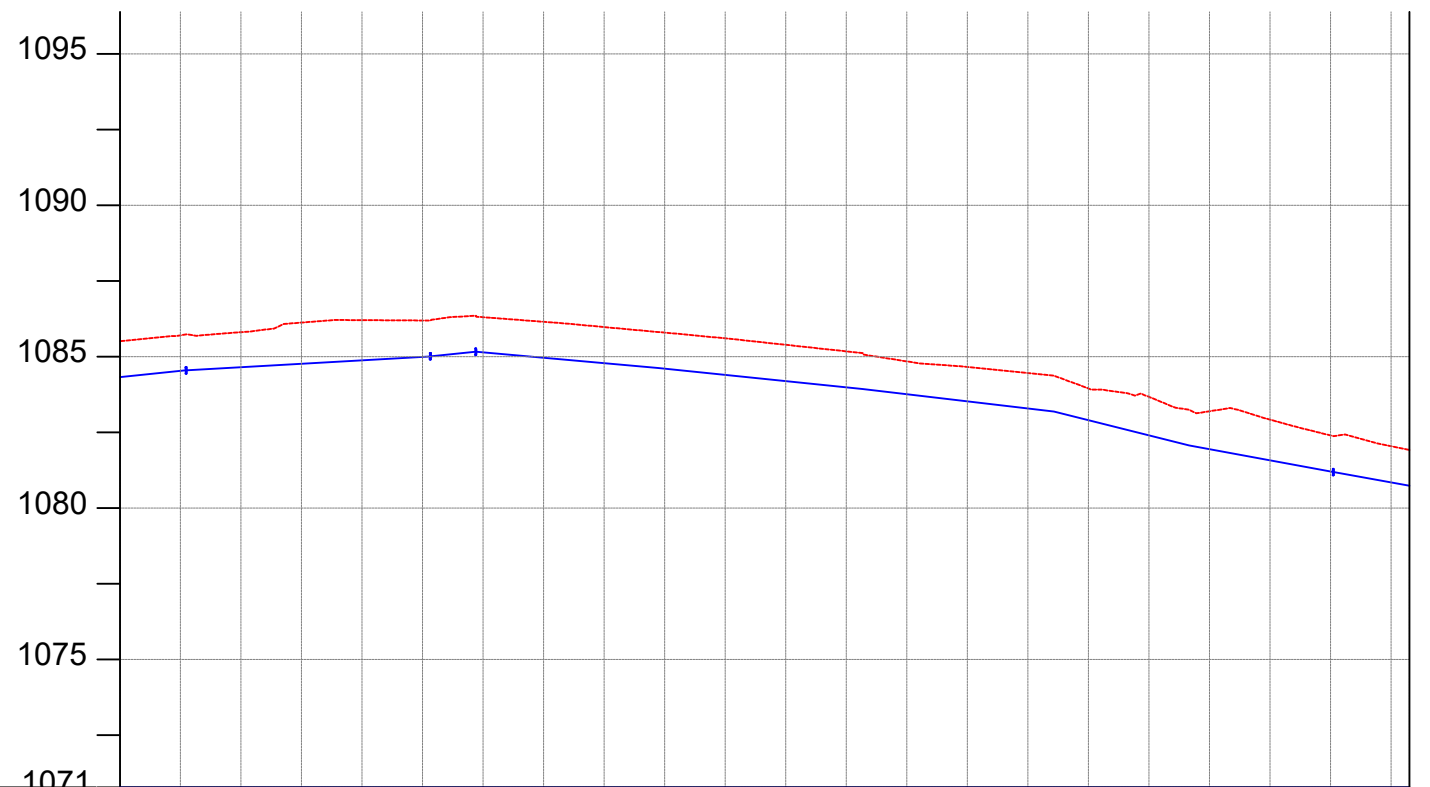
Drawing Title:

BUSOLWE TOWN
DL-15 (CH 0+000.00 - 0+057.73)

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/DL-15 (CH 0+000.00 - 0+057.73)	
Sheet No.: 1	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+426
GROUND LEVEL(m)	1085.509	1085.704	1085.808	1086.125	1086.206	1086.194	1086.303	1086.151	1085.977	1085.796	1085.604	1085.391	1085.175	1084.844	1084.658	1084.456	1083.948	1083.674	1083.195	1082.920	1082.397	1081.918
PIPE DETAILS	P-37, OD 50, PN10, HDPE, 426 m																					
PIPE INVERT(m)	1084.409	1084.604	1084.708	1085.025	1085.106	1085.094	1085.203	1085.051	1084.877	1084.696	1084.504	1084.291	1084.075	1083.744	1083.558	1083.356	1082.848	1082.574	1082.095	1081.820	1081.297	1080.818

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 BUTALEJA AND BUSOLWE

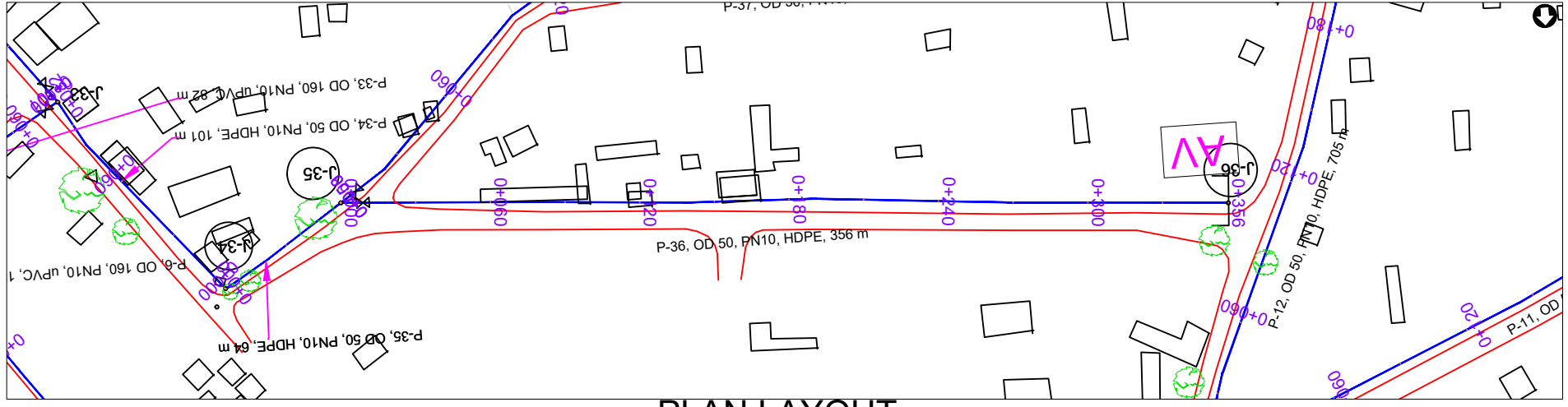
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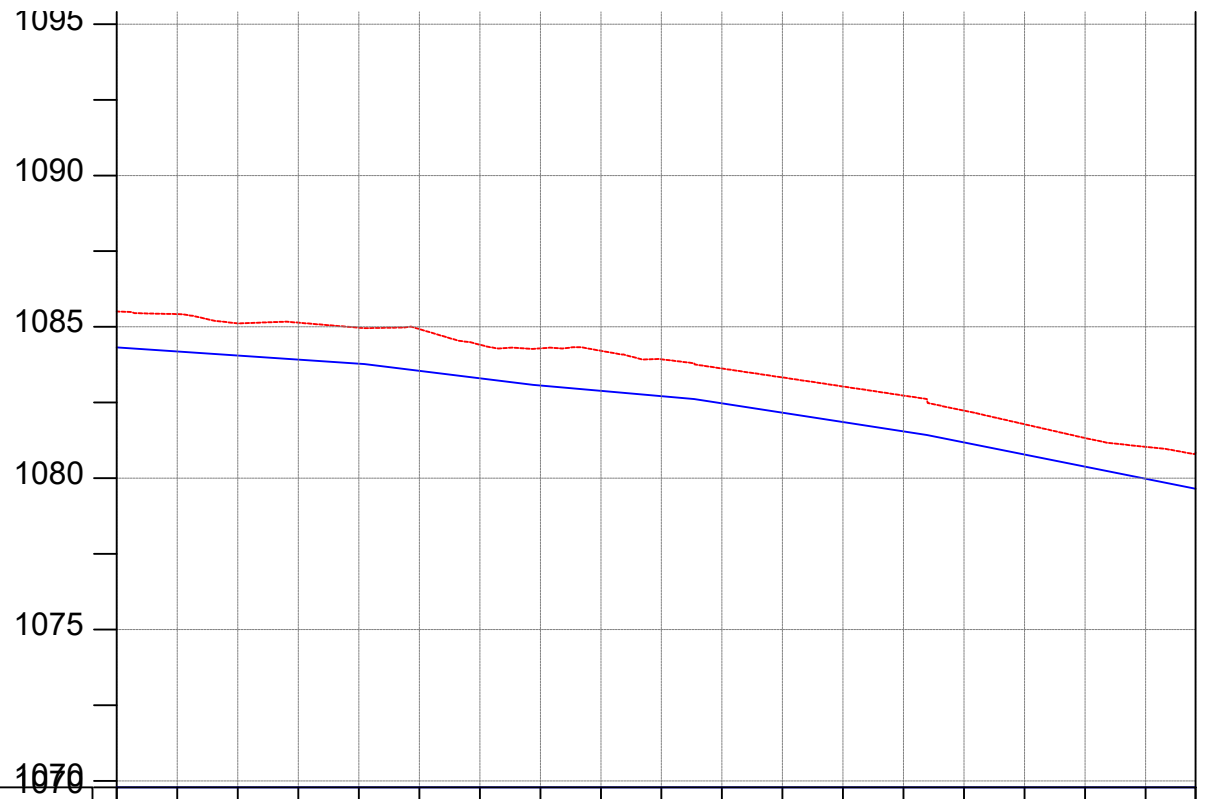
Drawing Title:

BUSOLWE TOWN
DL-16 (CH 0+000.00 - 0+426.06)

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/DL-16 (CH 0+000.00 - 0+426.06)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+160		0+200		0+240		0+280		0+320	0+356	
GROUND LEVEL(m)	1085.509	1085.422	1085.117	1085.139	1084.972	1084.926	1084.410	1084.289	1084.209	1083.930	1083.625	1083.329	1083.030	1082.731	1082.233	1081.783	1081.329	1081.037	1080.838
PIPE DETAILS	P-36, OD 50, PN10, HDPE, 356 m																		
PIPE INVERT(m)	1084.409	1084.322	1084.017	1084.039	1083.872	1083.826	1083.310	1083.189	1083.109	1082.830	1082.525	1082.229	1081.930	1081.631	1081.133	1080.683	1080.229	1079.937	1079.738

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 BUTALEJA AND BUSOLWE

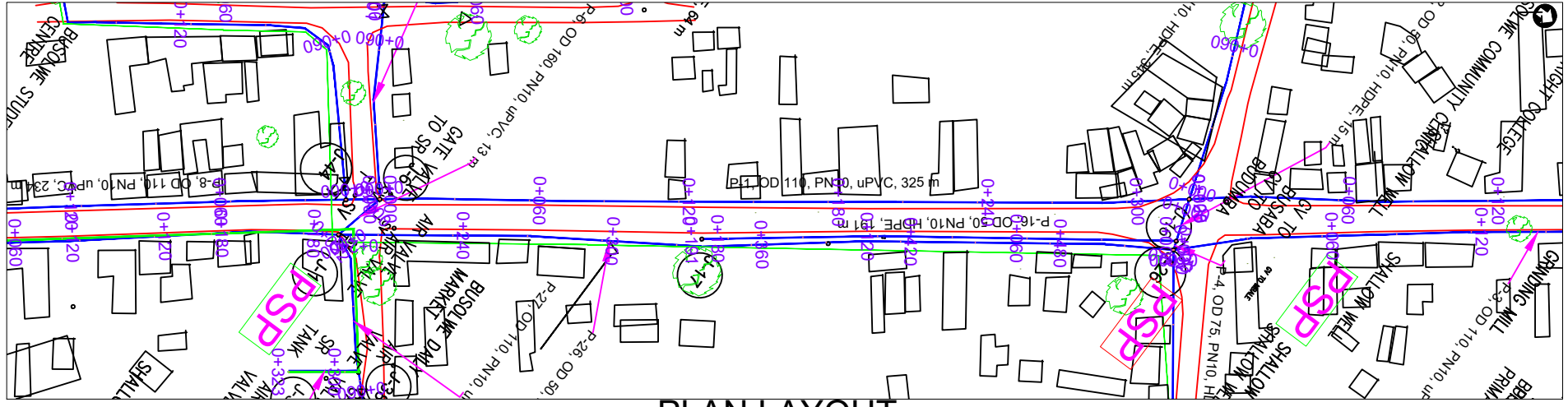
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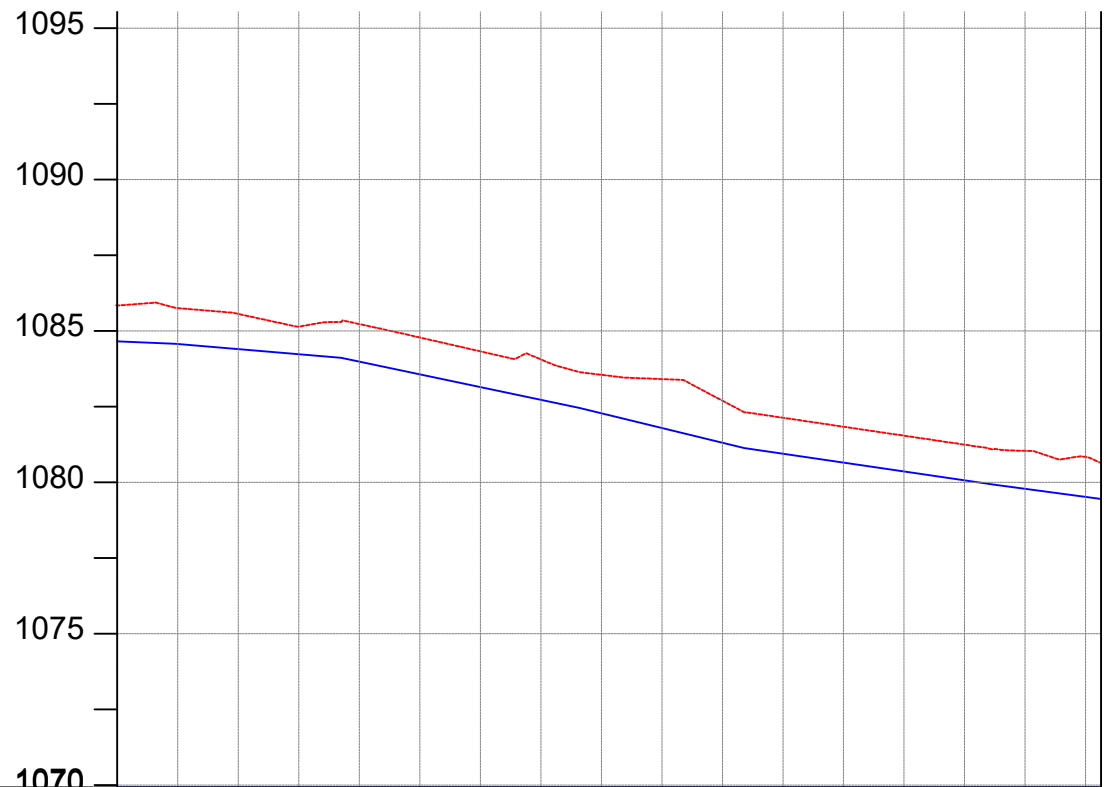
Drawing Title:

BUSOLWE TOWN
DL-17 (CH 0+000.00 - 0+356.48)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL-17 (CH 0+000.00 - 0+356.48)
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+160	0+200	0+240	0+280	0+328							
GROUND LEVEL(m)	1085.843	1085.756	1085.562	1085.143	1085.228	1084.784	1084.326	1084.060	1083.551	1083.410	1082.695	1082.133	1081.836	1081.540	1081.244	1081.040
PIPE DETAILS	P-1, OD 110, PN10, uPVC, 325 m															
PIPE INVERT(m)	1084.743	1084.656	1084.462	1084.043	1084.128	1083.684	1083.226	1082.960	1082.451	1082.310	1081.595	1081.033	1080.736	1080.440	1080.144	1079.940

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

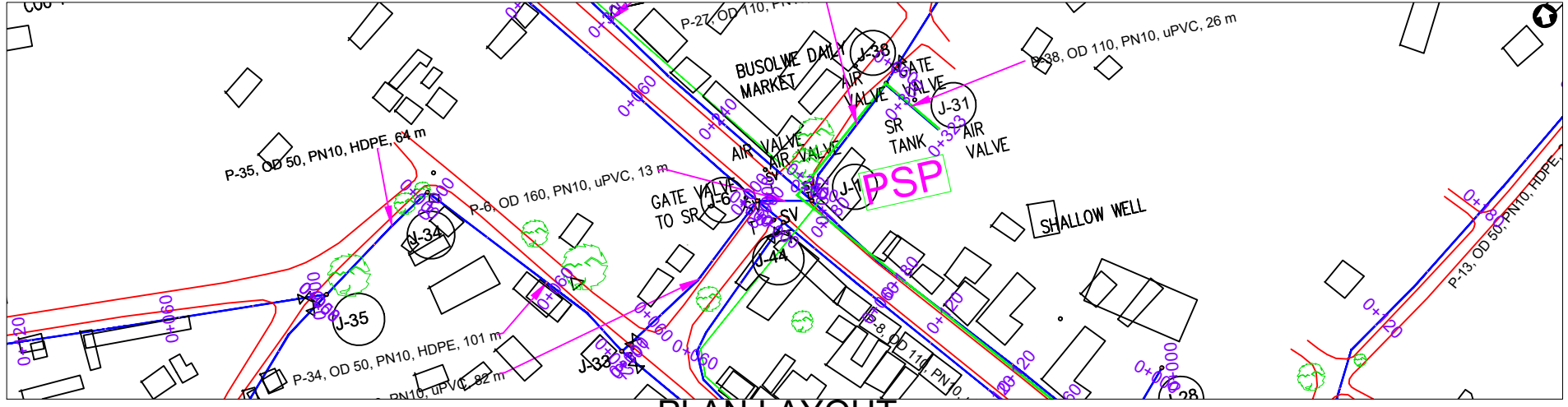
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

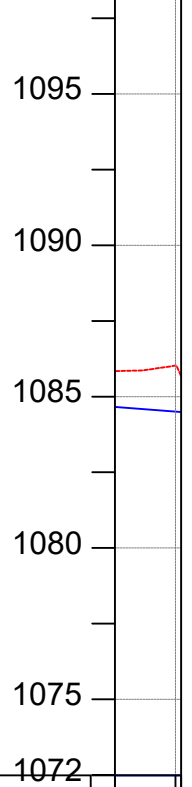
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-18 (CH 0+000.00 - 0+325.09)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL-18 (CH 0+000.00 - 0+325.09)
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+022
GROUND LEVEL(m)	1085.843	1086.076
PIPE DETAILS	P-6, OD 160, PN10, uPVC, 13 m	
PIPE INVERT(m)	1084.743	1084.876

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

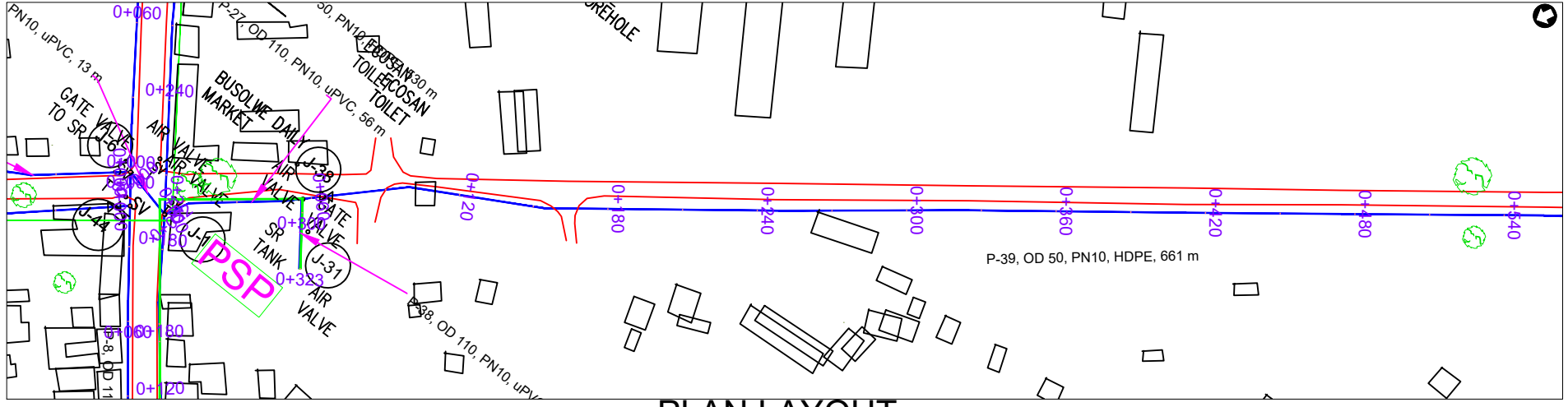
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

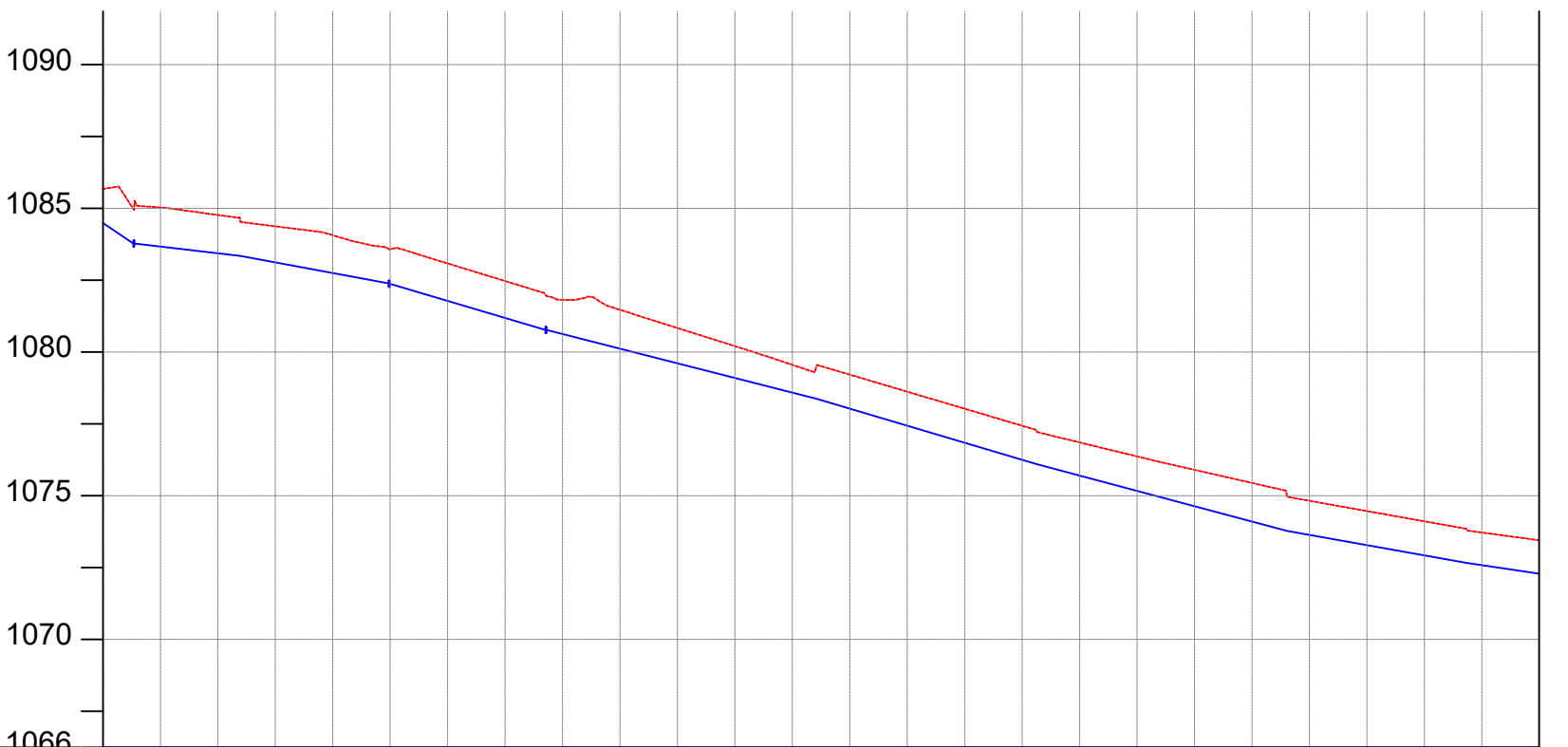
Drawing Title:

BUSOLWE TOWN
DL-19 (CH 0+000.00 - 0+021.89)

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/DL-19 (CH 0+000.00 - 0+021.89)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE INVERT(m)
0+000	1085.675	1084.575
0+040	1085.032	1083.932
0+080	1084.769	1083.669
0+120	1084.376	1083.276
0+160	1084.066	1082.966
0+200	1083.574	1082.474
0+240	1083.083	1081.983
0+280	1082.470	1081.370
0+320	1081.815	1080.715
0+360	1081.468	1080.368
0+400	1080.836	1079.736
0+440	1080.203	1079.103
0+480	1079.554	1078.454
0+500	1079.212	1078.112
	1078.620	1077.520
	1078.027	1076.927
	1077.435	1076.335
	1076.854	1075.754
	1076.367	1075.267
	1075.901	1074.801
	1075.445	1074.345
	1074.823	1073.723
	1074.466	1073.366
	1074.109	1073.009
	1073.717	1072.617
	1073.447	1072.347

P-27, OD 110, PN10, uPVC, 56 m
P-39, OD 50, PN10, HDPE

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

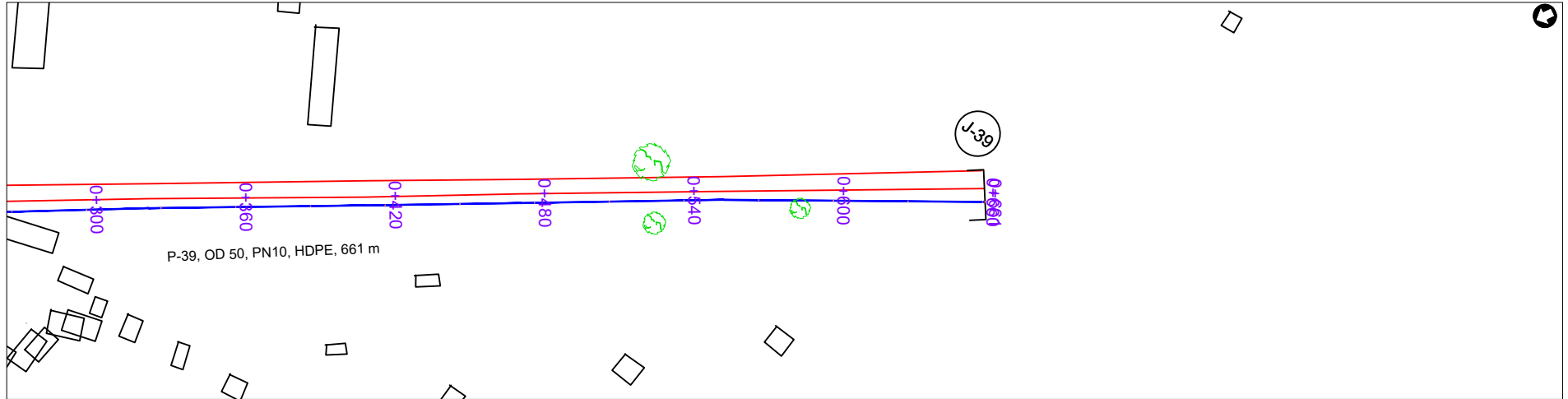
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

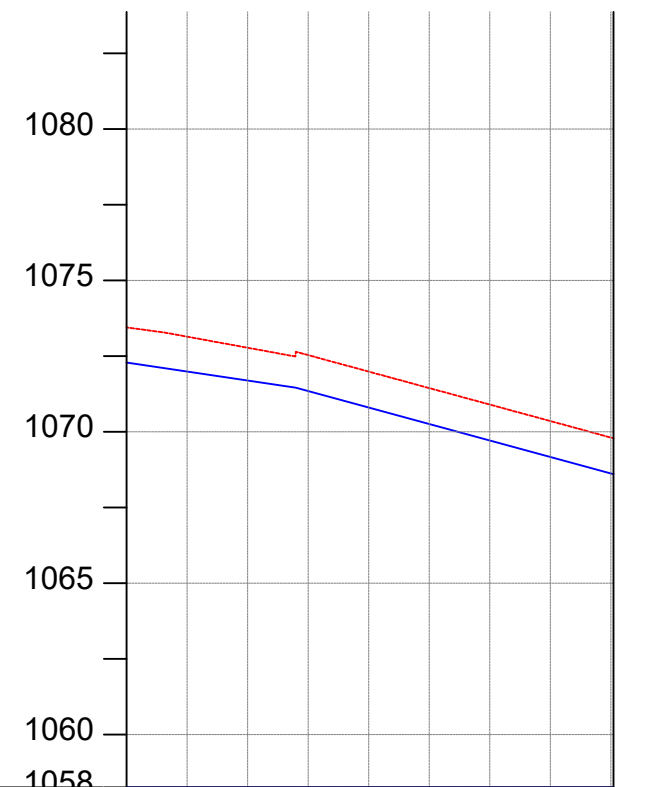


Drawing Title:
BUSOLWE TOWN
DL-20 (CH 0+000.00 - 0+500.00)

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/DL-20 (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+661
GROUND LEVEL(m)	1073.447	1073.141	1072.775	1072.532	1071.988	1071.443	1070.899	1070.354	1069.888
PIPE DETAILS	P-39, OD 50, PN10, HDPE, 661 m								
PIPE INVERT(m)	1072.347	1072.041	1071.675	1071.432	1070.888	1070.343	1069.799	1069.254	1068.788

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 BUTALEJA AND BUSOLWE

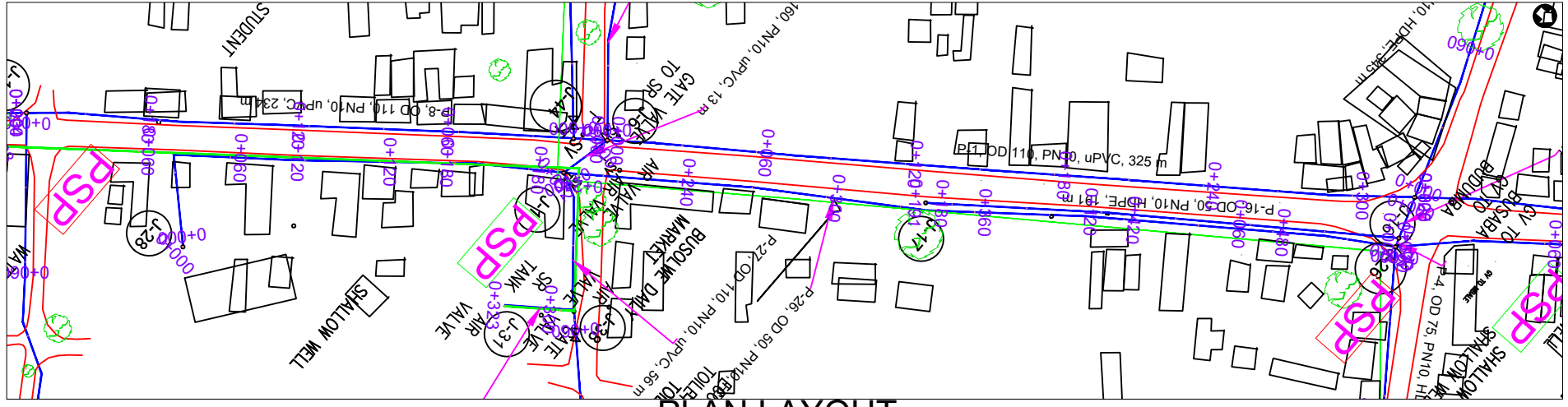
CONSULTANT:



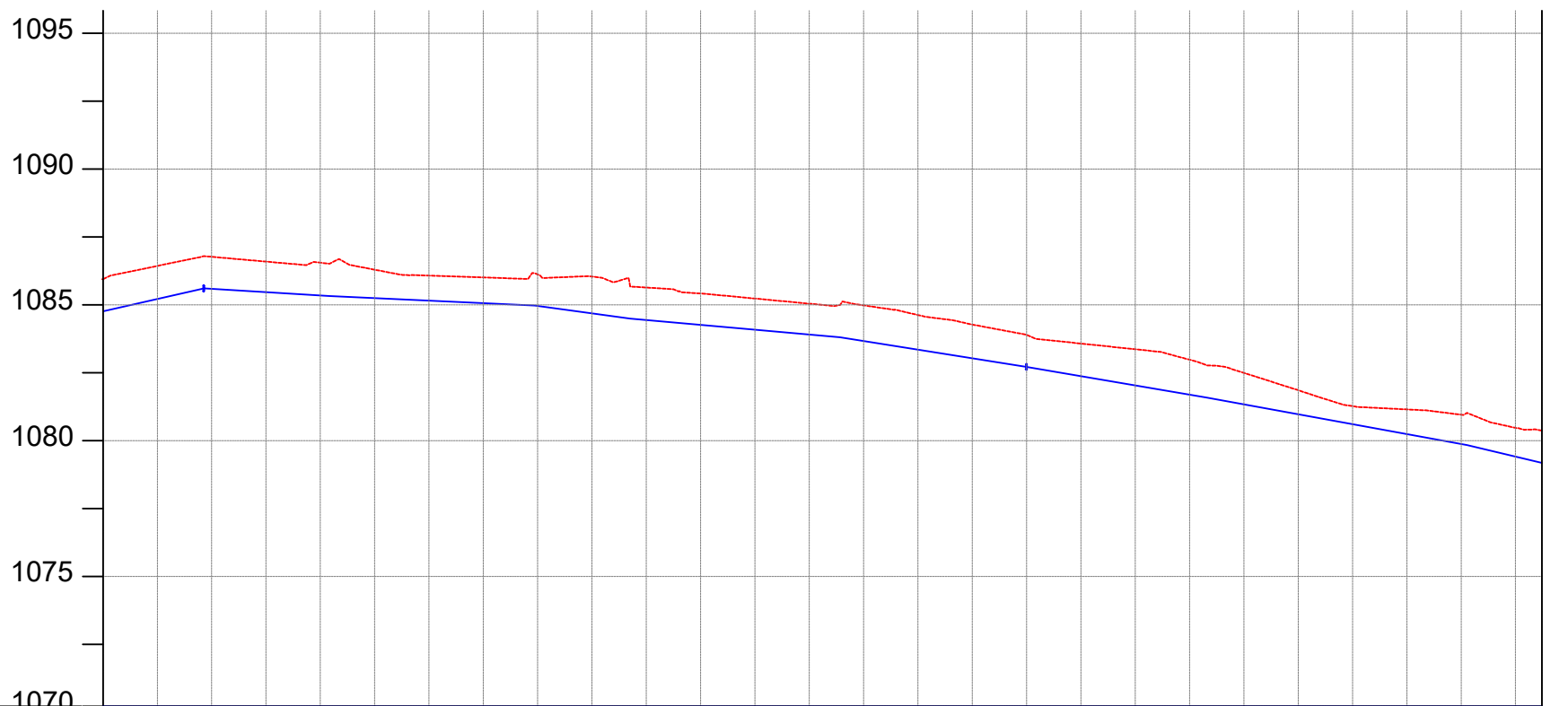
Drawing Title:

BUSOLWE TOWN
DL-20 (CH 0+500.00 - 0+660.91)

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/DL-20 (CH 0+500.00 - 0+660.91)	
Sheet No.: 2	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+520	0+530													
GROUND LEVEL(m)	1085.946	1086.433	1086.768	1086.592	1086.553	1086.294	1086.076	1086.008	1086.116	1086.042	1085.637	1085.419	1085.232	1085.043	1084.981	1084.626	1084.274	1083.895	1083.574	1083.364	1082.979	1082.495	1081.857	1081.268	1081.150	1080.954	1080.468	1080.365
PIPE DETAILS	P-26, OD 50, PN10, HDPE, 530 m																											
PIPE INVERT(m)	1084.846	1085.333	1085.668	1085.492	1085.453	1085.194	1084.976	1084.908	1085.016	1084.942	1084.537	1084.319	1084.132	1083.943	1083.881	1083.526	1083.174	1082.795	1082.474	1082.264	1081.879	1081.395	1080.757	1080.168	1080.050	1079.854	1079.368	1079.265

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

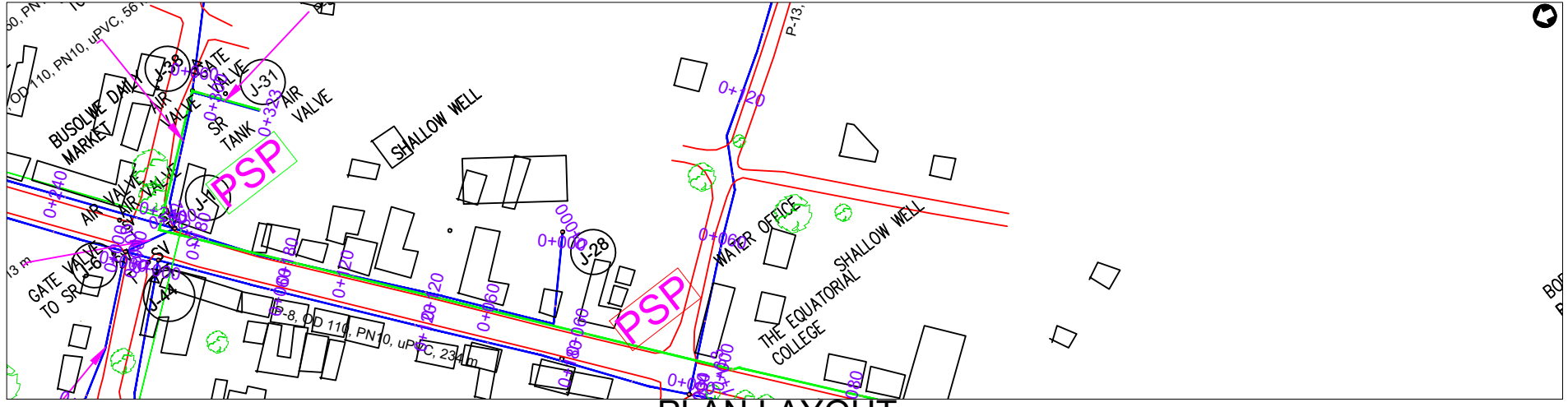
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

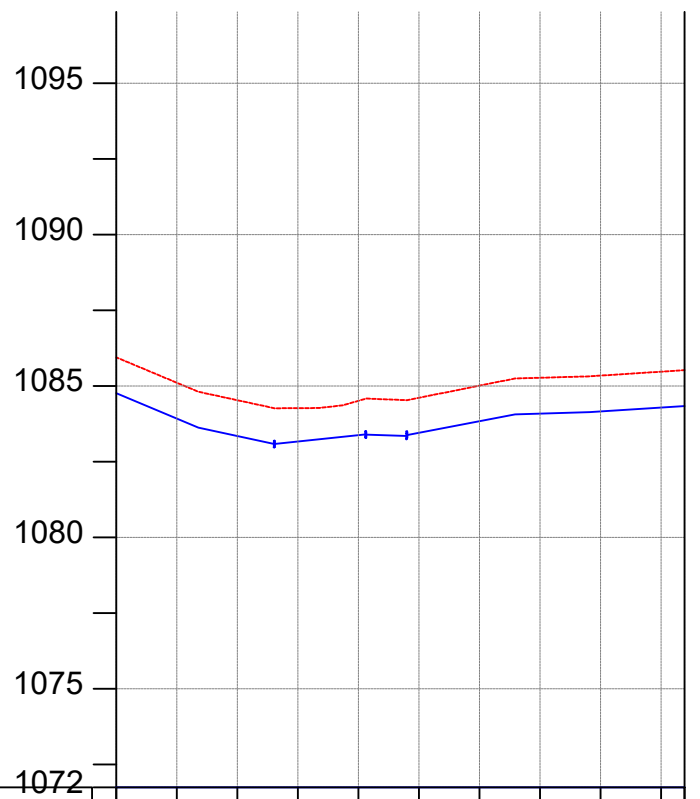
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-21 (CH 0+000.00 - 0+529.70)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDB/MB/DL-21 (CH 0+000.00 - 0+529.70)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+160	0+188
GROUND LEVEL(m)	1085.946	1085.108	1084.530	1084.268	1084.511	1084.610	1085.011	1085.272	1085.342	1085.473
PIPE DETAILS	P-25, OD 32, PN10, HDPE, 188 m									
PIPE INVERT(m)										

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

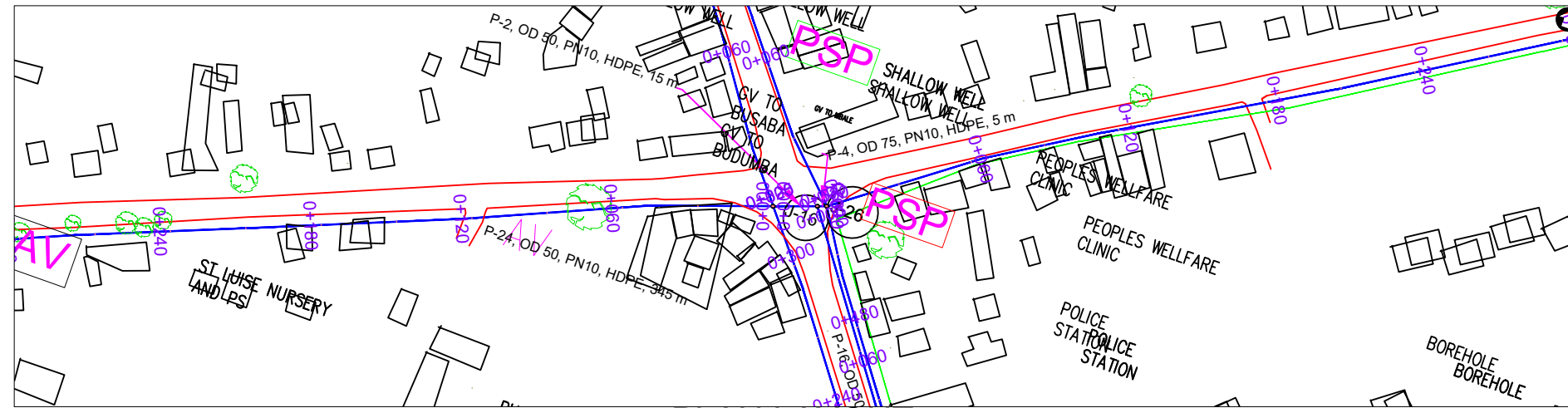
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

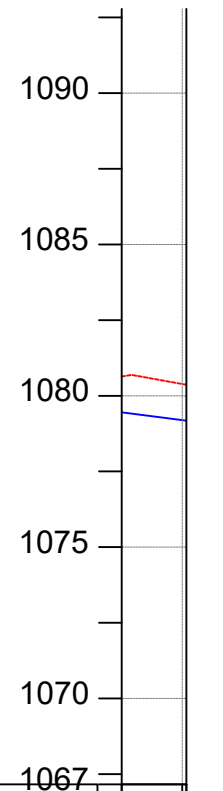
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-22 (CH 0+000.00 - 0+187.77)

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/DL-22 (CH 0+000.00 - 0+187.77)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+021
GROUND LEVEL(m)	1080.636	1080.369
PIPE DETAILS		
PIPE INVERT(m)	1079.536	1079.269

P-2, OD 50, PN10, HDPE, 21 m

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 BUTALEJA AND BUSOLWE

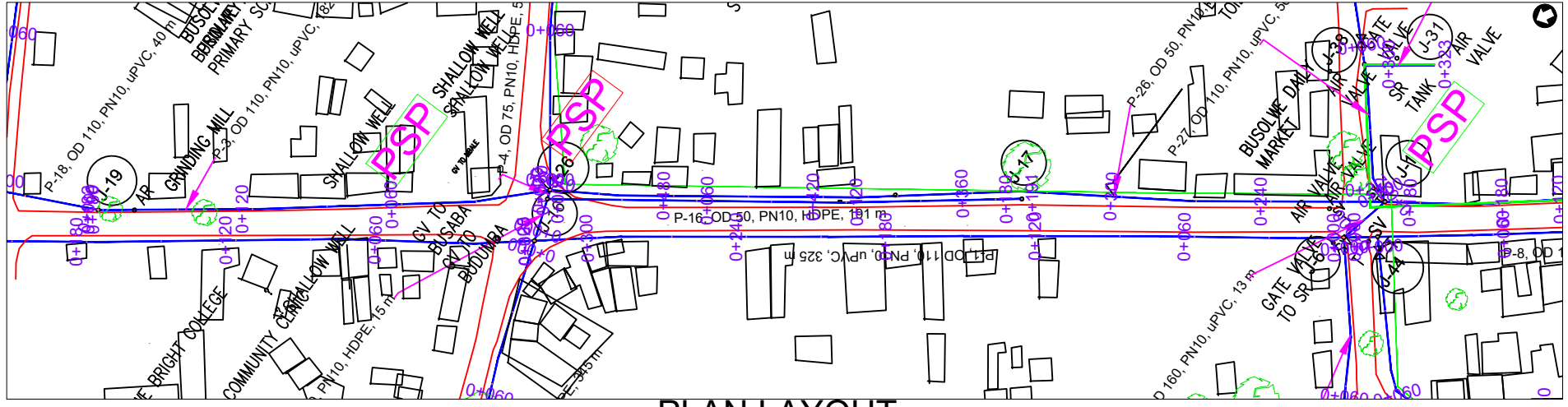
CONSULTANT:



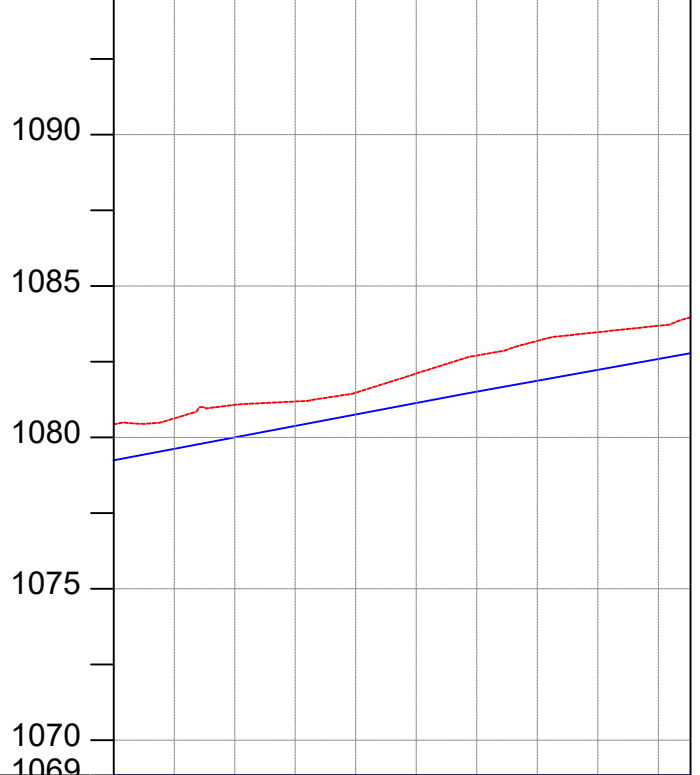
Drawing Title:

BUSOLWE TOWN
DL-23 (CH 0+000.00 - 0+021.32)

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/DL-23 (CH 0+000.00 - 0+021.32)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+160	0+191
GROUND LEVEL(m)	1080.432	1080.629	1081.075	1081.189	1081.479	1082.111
PIPE DETAILS	P-16, OD 50, PN10, HDPE, 191 m					
PIPE INVERT(m)	1079.332	1079.529	1079.975	1080.089	1080.379	1081.011
	1082.589	1082.869				

AMENDMENTS		
No	Date	Revision

- NOTES**
1. All dimensions are in metres unless stated otherwise.
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 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 BUTALEJA AND BUSOLWE

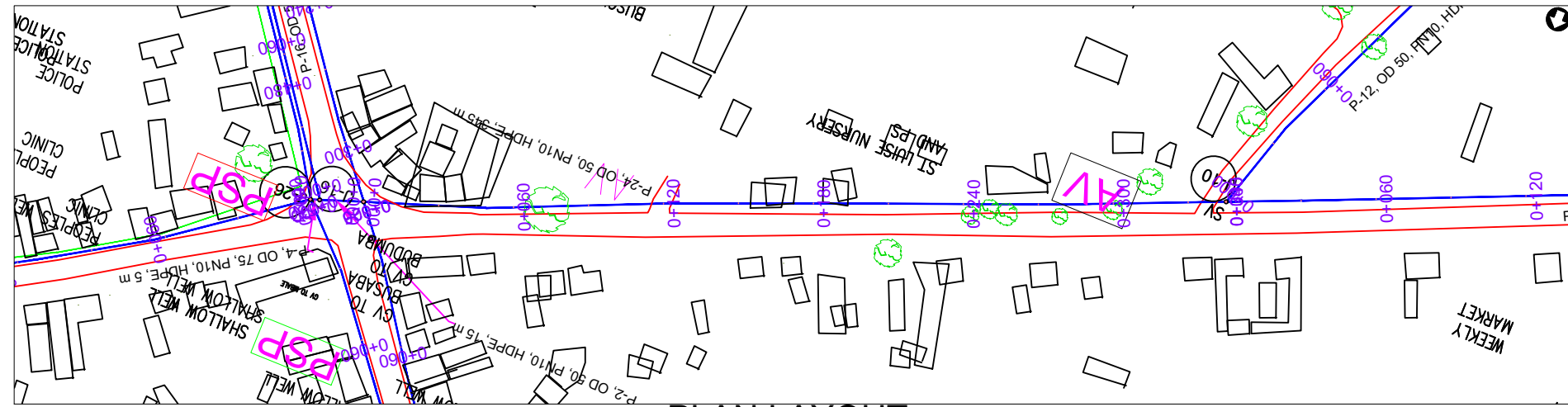
CONSULTANT:



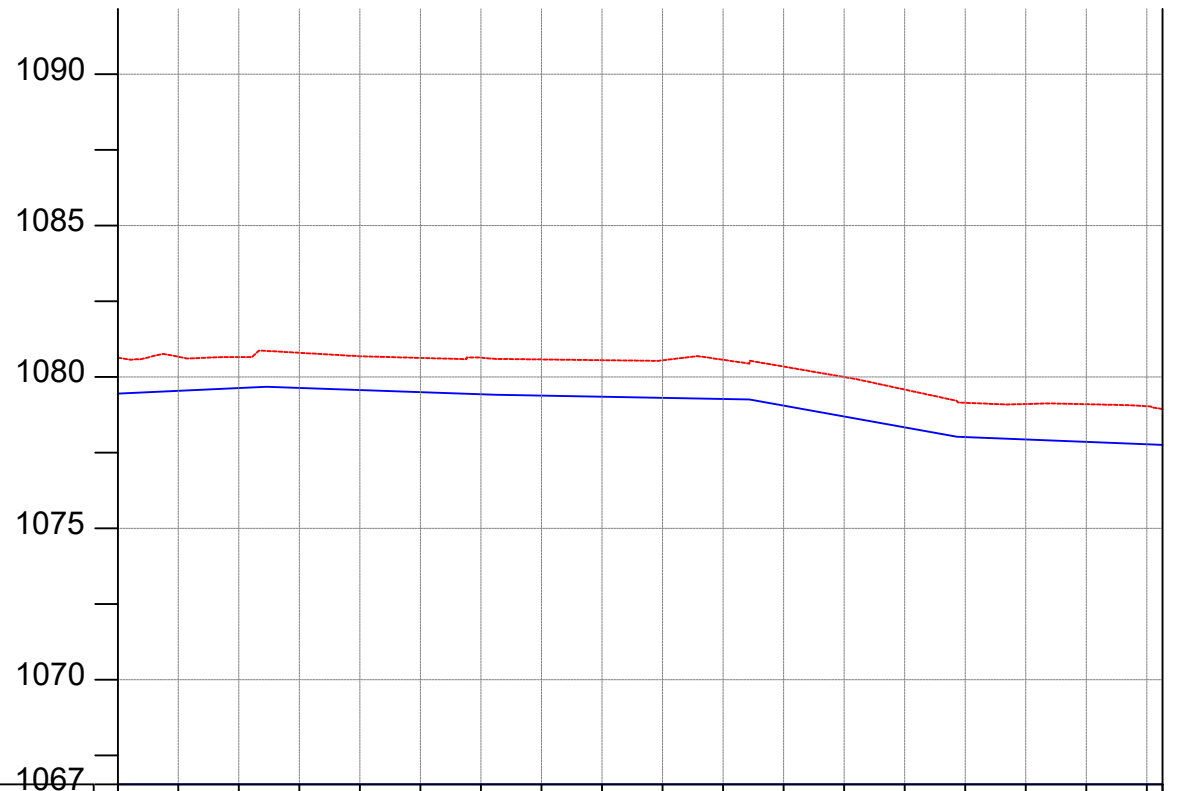


Drawing Title:
BUSOLWE TOWN
DL-24 (CH 0+000.00 - 0+190.60)

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/DL-24 (CH 0+000.00 - 0+190.60)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+160	0+200	0+240	0+280	0+320	0+345									
GROUND LEVEL(m)	1080.636	1080.666	1080.655	1080.797	1080.683	1080.629	1080.637	1080.578	1080.554	1080.549	1080.567	1080.343	1079.998	1079.583	1079.146	1079.106	1079.099	1078.821	1078.840
PIPE DETAILS	P-24, OD 50, PN10, HDPE, 345 m																		
PIPE INVERT(m)	1079.536	1079.566	1079.555	1079.697	1079.583	1079.529	1079.537	1079.478	1079.454	1079.449	1079.467	1079.243	1078.898	1078.483	1078.046	1078.006	1077.999	1077.821	1077.840

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

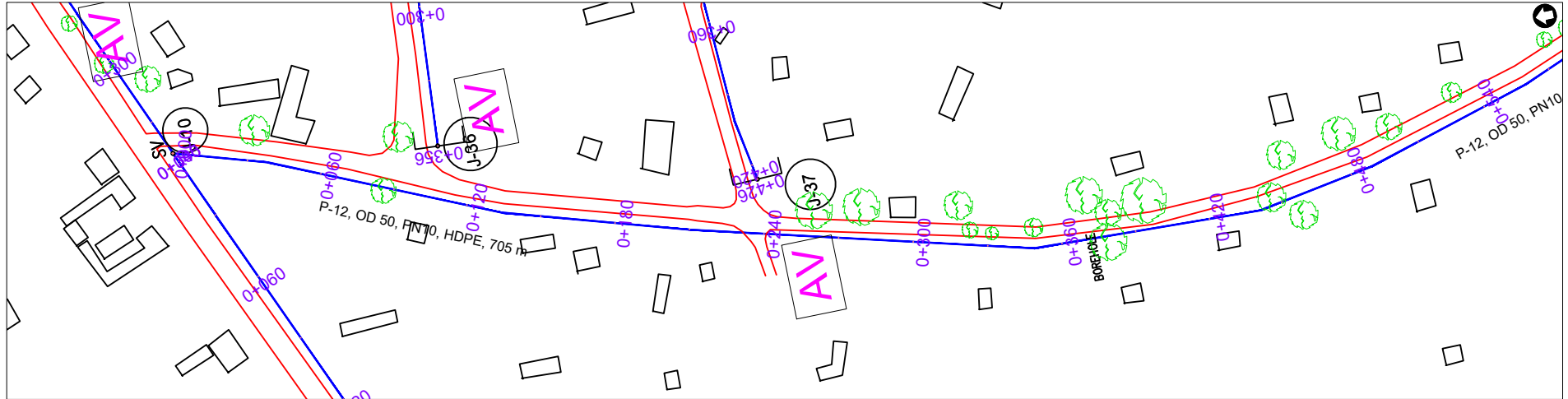
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

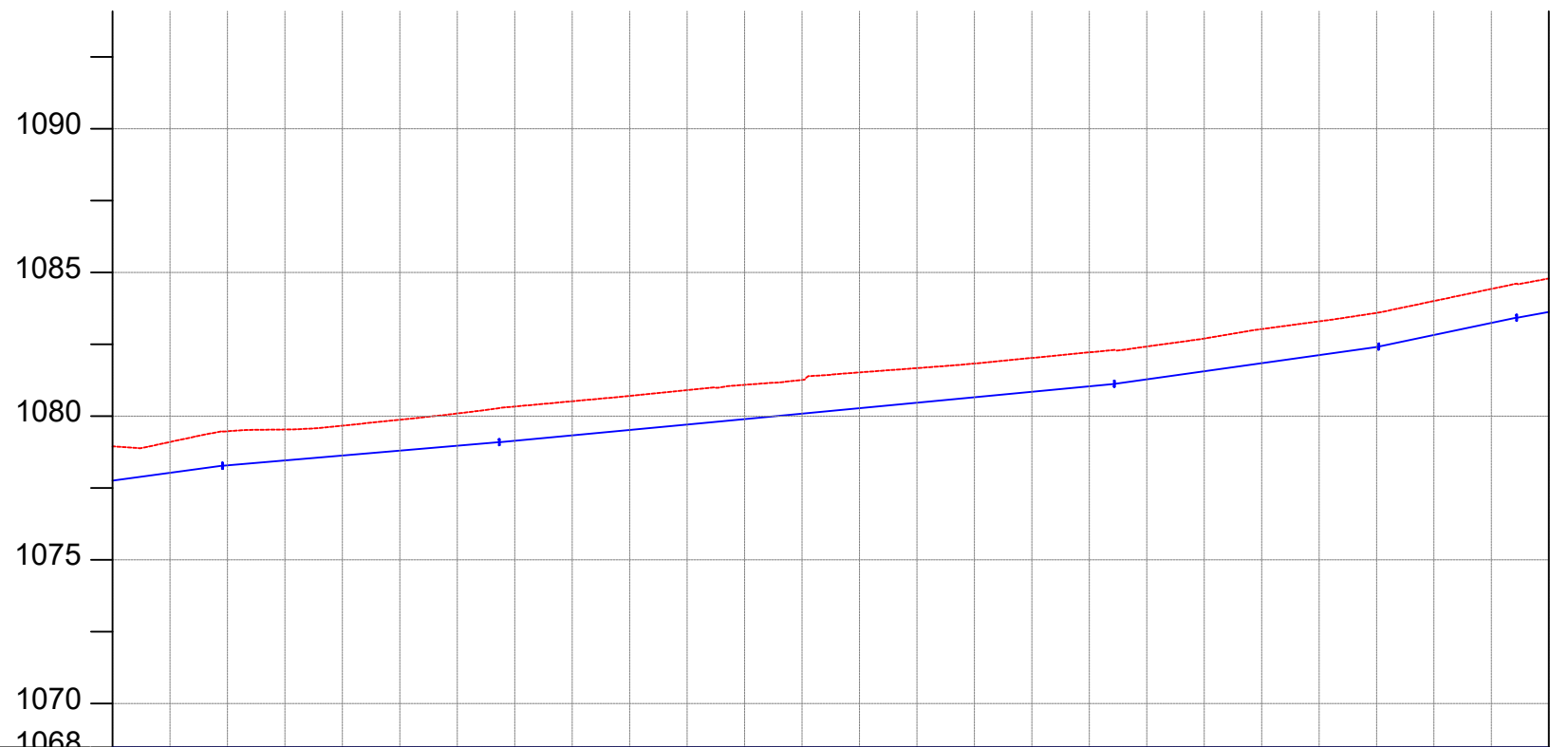
CONSULTANT:

Drawing Title:
**BUSOLWE TOWN
DL-25 (CH 0+000.00 - 0+345.20)**

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/DL-25 (CH 0+000.00 - 0+345.20)	
Sheet No.: 1	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)	1078.940	1079.102	1079.475	1079.535	1079.669	1079.876	1080.093	1080.336	1080.518	1080.707	1080.908	1081.090	1081.260	1081.522	1081.672	1081.831	1082.026	1082.221	1082.422	1082.701	1083.029	1083.298	1083.592	1084.007	1084.428	1084.790		
PIPE DETAILS	P-12, OD 50, PN10, HDPE, 705 m																											
PIPE INVERT(m)	1077.840	1078.002	1078.375	1078.435	1078.569	1078.776	1078.993	1079.236	1079.418	1079.607	1079.808	1079.990	1080.160	1080.422	1080.572	1080.731	1080.926	1081.121	1081.322	1081.601	1081.929	1082.198	1082.492	1082.907	1083.328	1083.690		

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

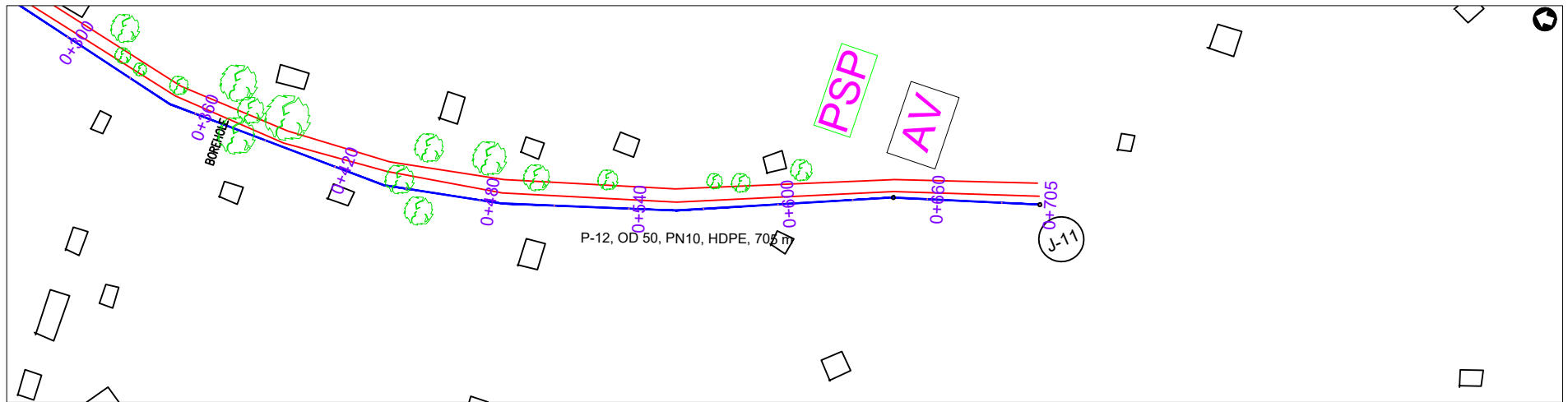
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

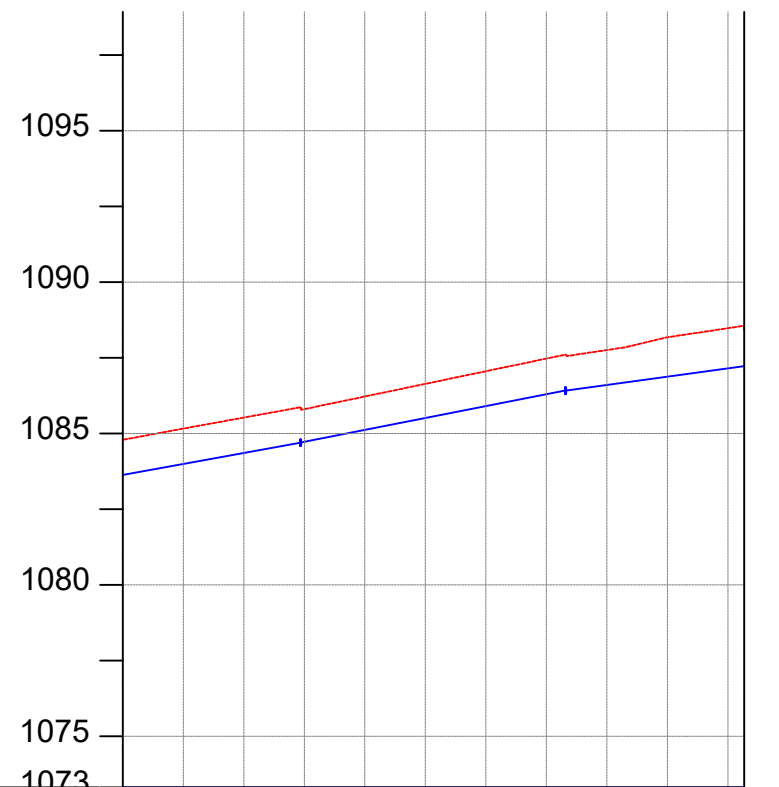
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-26 (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/DL-26 (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+705
GROUND LEVEL(m)	1084.790	1085.161	1085.525	1085.804	1086.221	1086.639	1087.056
PIPE INVERT(m)	1083.690	1084.061	1084.425	1084.704	1085.121	1085.539	1085.956

P-12, OD 50, PN10, HDPE, 705 m

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

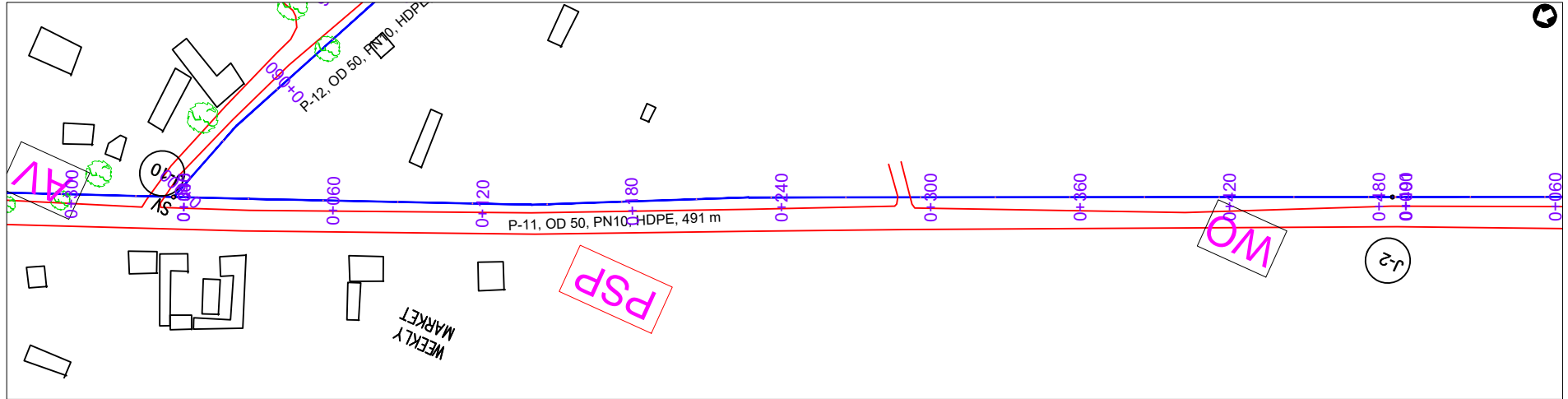
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

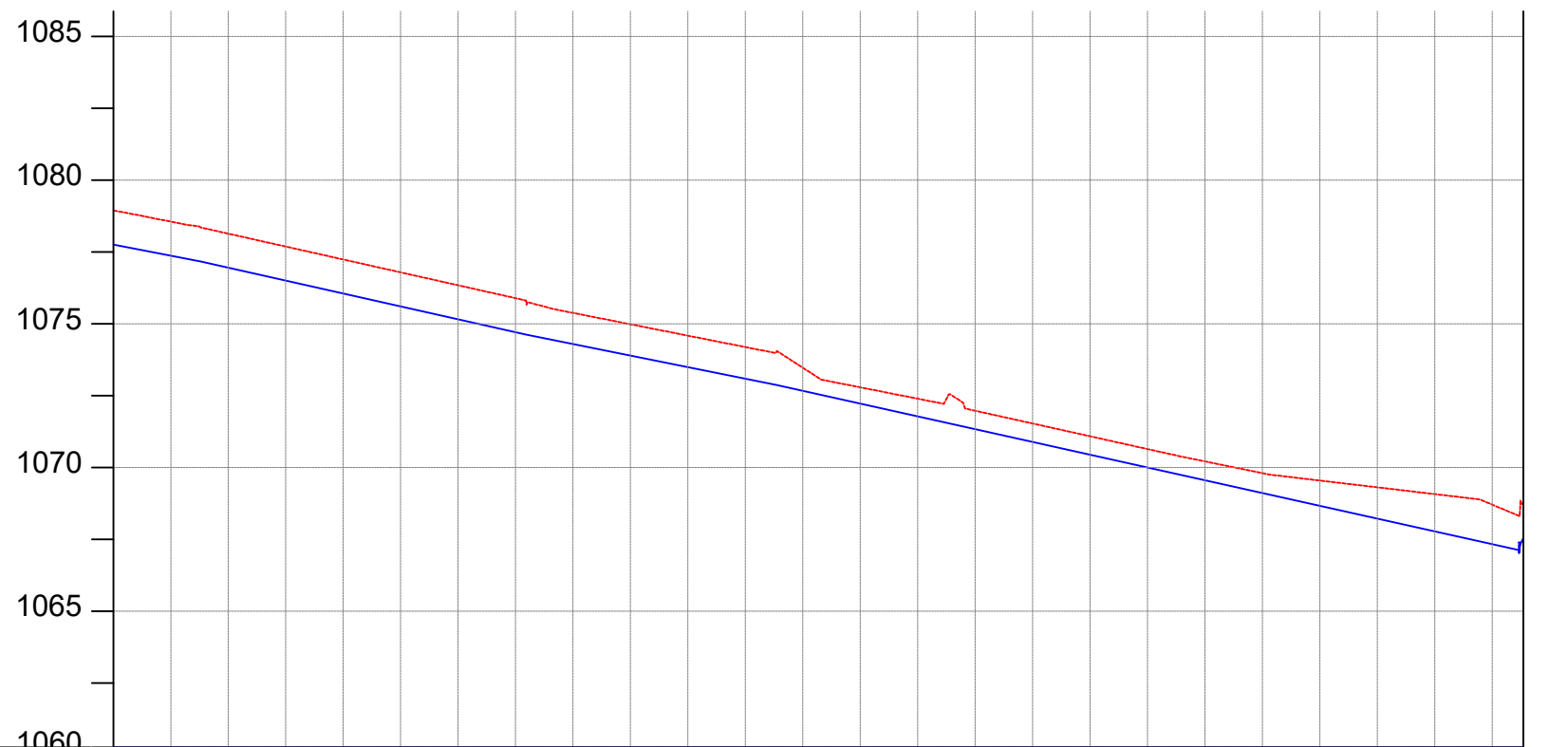
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-26 (CH 0+500.00 - 0+705.34)

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/DL-26 (CH 0+500.00 - 0+705.34)	
Sheet No.: 2	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+491		
GROUND LEVEL(m)	1078.940	1078.555	1078.136	1077.687	1077.238	1076.789	1076.340	1075.891	1075.379	1074.982	1074.586	1074.189	1073.471	1072.788	1072.393	1071.974	1071.529	1071.085	1070.640	1070.210	1069.800	1069.544	1069.308	1069.072	1068.706	1068.729		
PIPE DETAILS	P-11, OD 50, PN10, HDPE, 491 m																											
PIPE INVERT(m)	1077.840	1077.455	1077.036	1076.587	1076.138	1075.689	1075.240	1074.791	1074.279	1073.882	1073.486	1073.089	1072.371	1071.688	1071.293	1070.874	1070.429	1069.985	1069.540	1069.110	1068.700	1068.444	1068.208	1067.972	1067.606	1067.629		

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

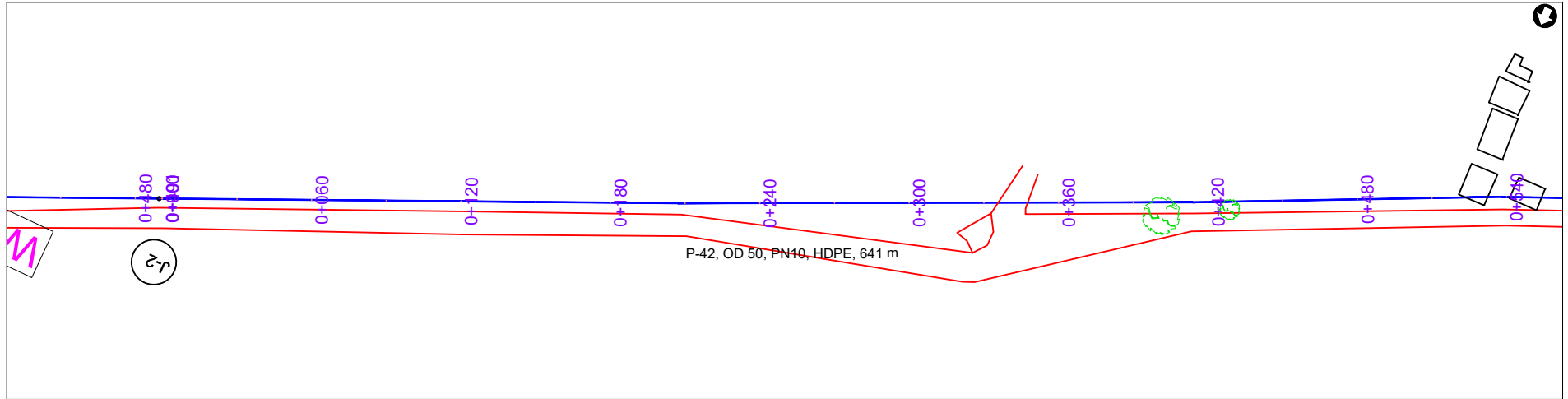
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

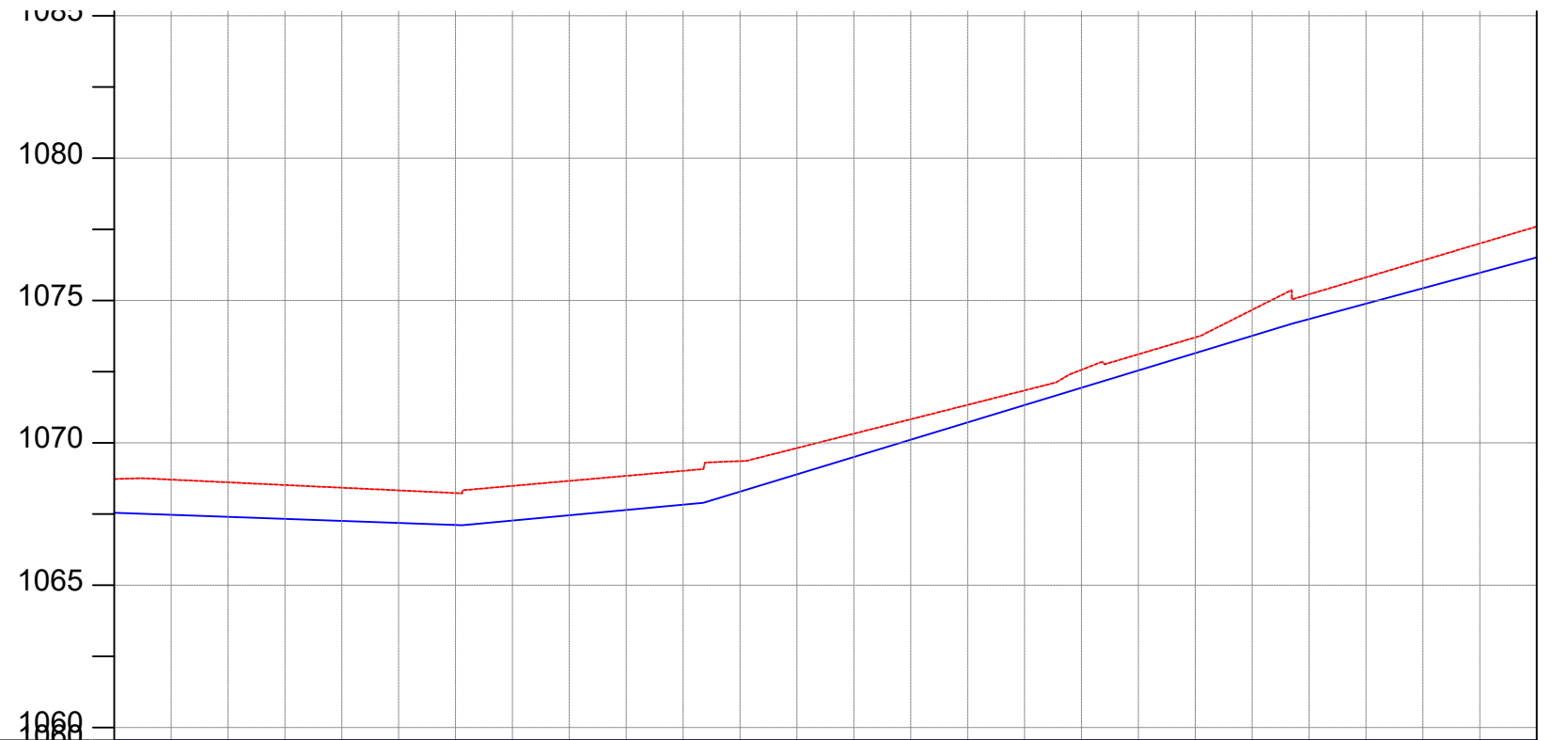
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-27 (CH 0+000.00 - 0+490.83)

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/DL-27 (CH 0+000.00 - 0+490.83)	
Sheet No.: 1	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)	1068.729	1068.707	1068.611	1068.516	1068.422	1068.328	1068.234	1068.486	1068.662	1068.838	1069.014	1069.357	1069.814	1070.320	1070.827	1071.333	1071.840	1072.564	1073.109	1073.703	1074.668	1075.215	1075.811	1076.406	1077.001	1077.596		
PIPE DETAILS	P-42, OD 50, PN10, HDPE, 641 m																											
PIPE INVERT(m)	1067.629	1067.607	1067.511	1067.416	1067.322	1067.228	1067.134	1067.386	1067.562	1067.738	1067.914	1068.257	1068.714	1069.220	1069.727	1070.233	1070.740	1071.464	1072.009	1072.603	1073.568	1074.115	1074.711	1075.306	1075.901	1076.496		

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

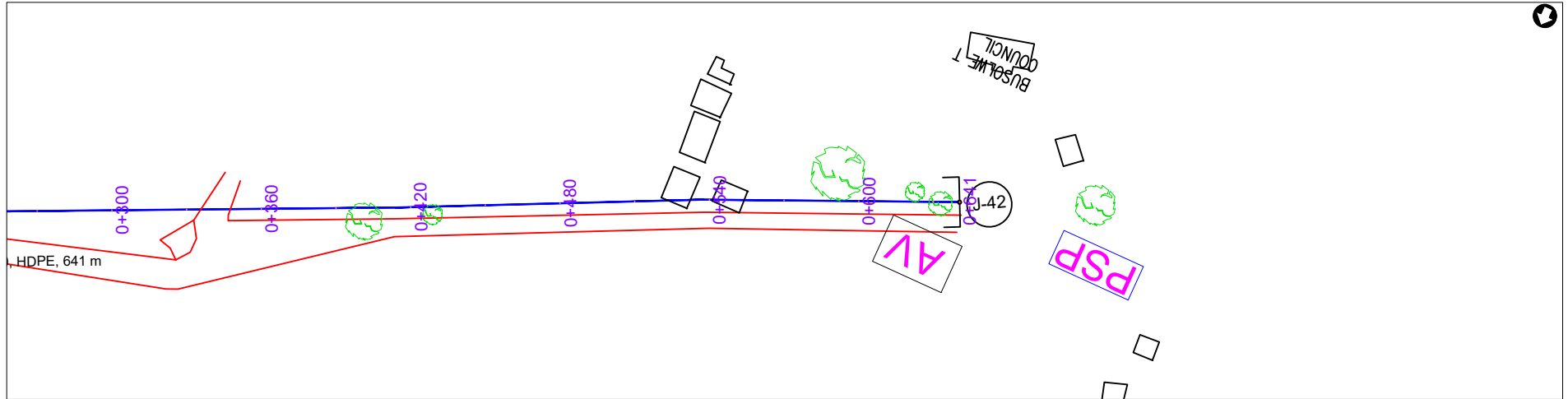
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

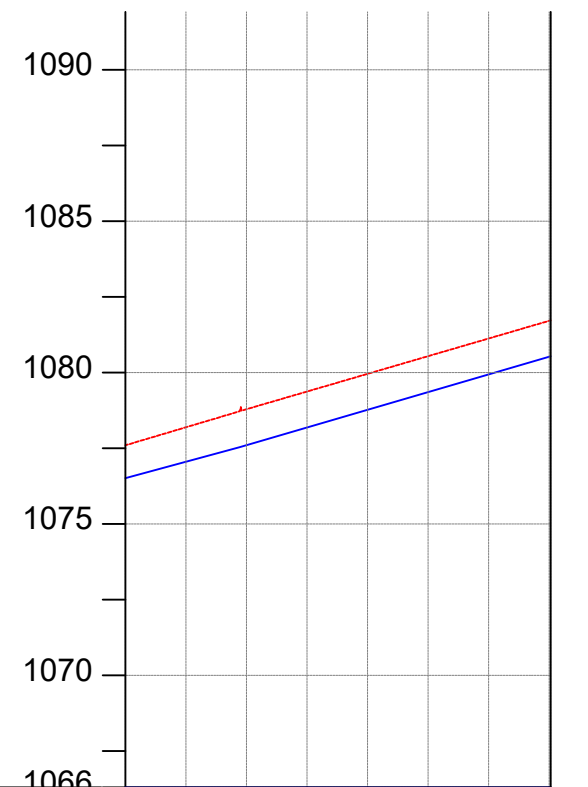
Drawing Title:

**BUSOLWE TOWN
DL-28 (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.: IWMDB/MBW/DL-28 (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
GROUND LEVEL(m)	1077.596	1078.192	1078.788	1079.372	1079.956	1080.540	1081.124	1081.708
PIPE DETAILS	P-42, OD 50, PN10, HDPE, 641 m							
PIPE INVERT(m)	1076.496	1077.092	1077.688	1078.272	1078.856	1079.440	1080.024	1080.608

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 BUTALEJA AND BUSOLWE

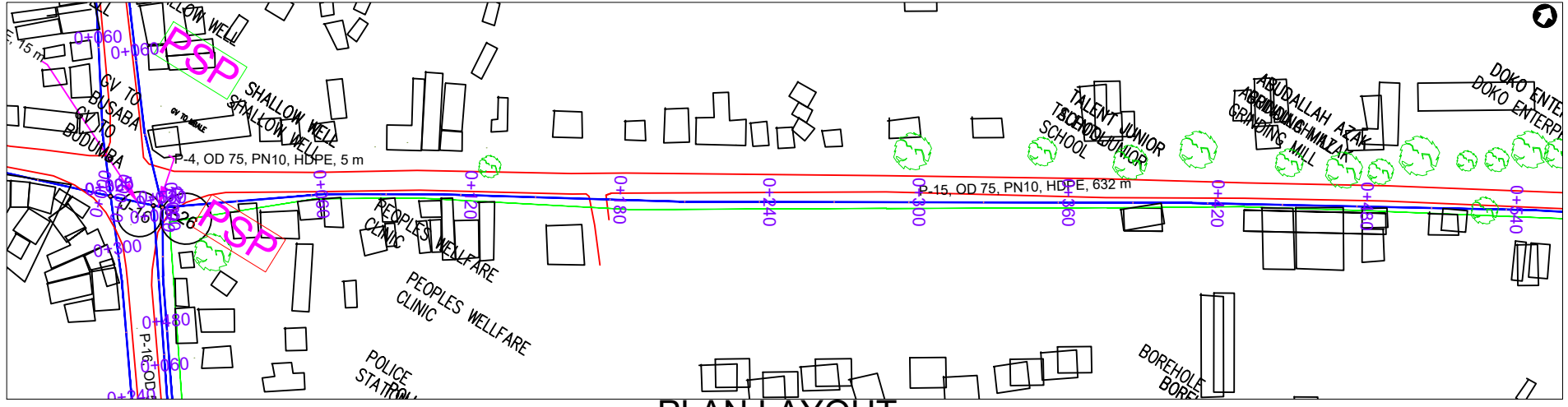
CONSULTANT:



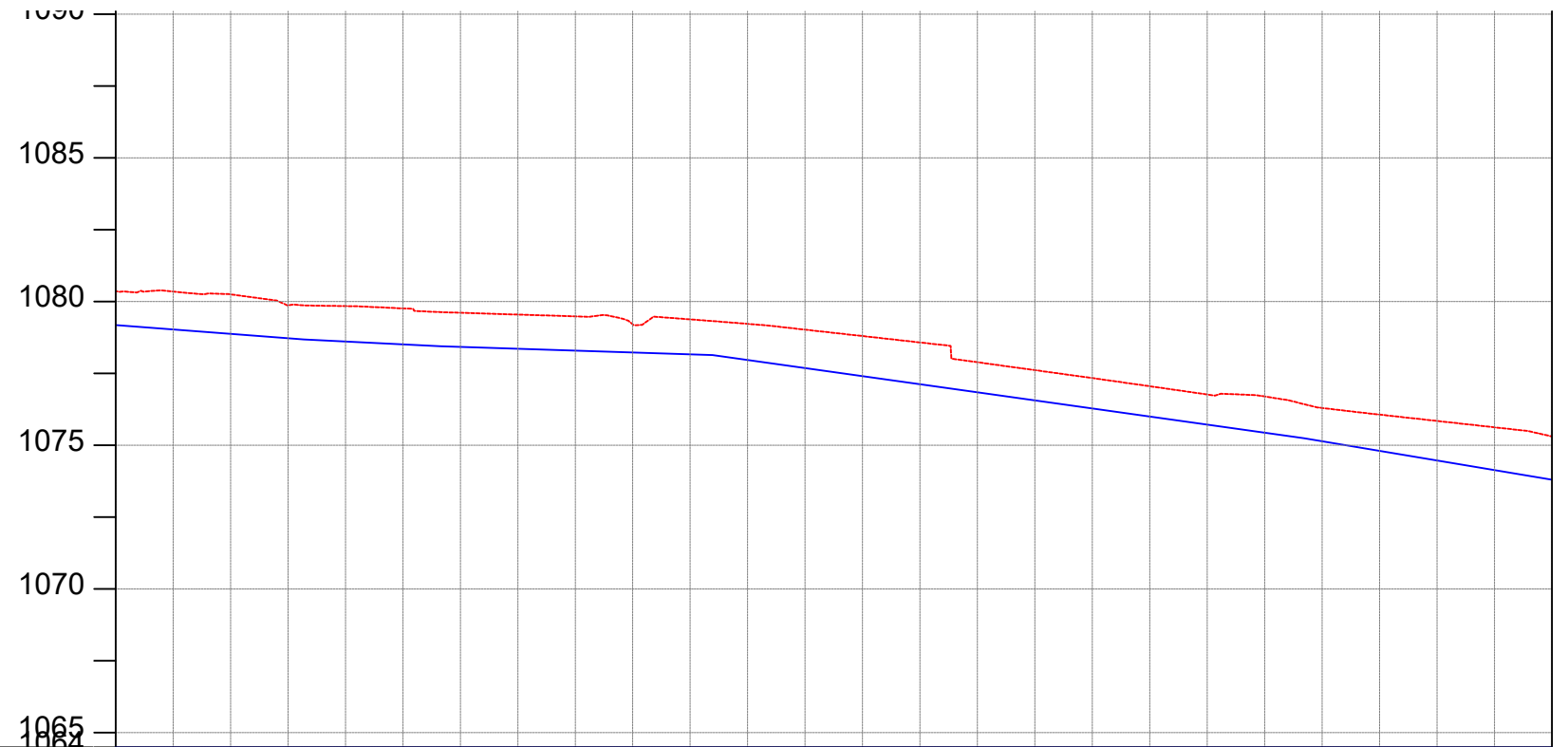
Drawing Title:

BUSOLWE TOWN
DL-28 (CH 0+500.00 - 0+640.53)

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/DL-28 (CH 0+500.00 - 0+640.53)	
Sheet No.: 2	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)	1080.365	1080.350	1080.249	1079.867	1079.842	1079.762	1079.610	1079.547	1079.484	1079.203	1079.380	1079.224	1079.022	1078.799	1078.577	1077.888	1077.613	1077.338	1077.053	1076.766	1076.697	1076.296	1076.066	1075.845	1075.624	1075.305	1075.000	
PIPE DETAILS	P-15, OD 75, PN10, HDPE, 632 m																											
PIPE INVERT(m)	1079.265	1079.250	1079.149	1078.767	1078.742	1078.662	1078.510	1078.447	1078.384	1078.103	1078.280	1078.124	1077.922	1077.699	1077.477	1076.788	1076.513	1076.238	1075.953	1075.666	1075.597	1075.196	1074.966	1074.745	1074.524	1074.205	1074.000	

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

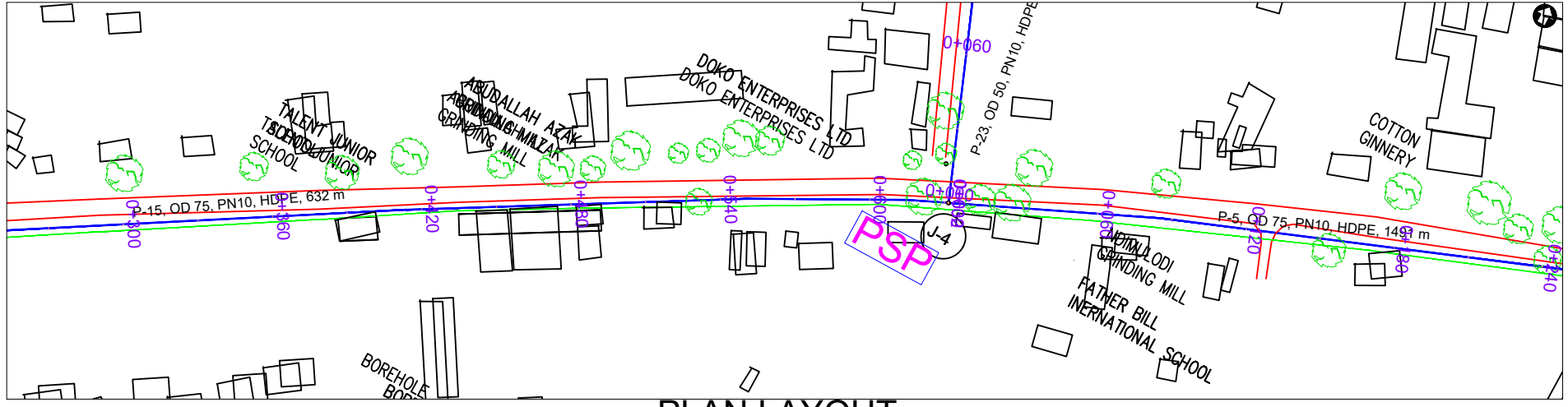
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

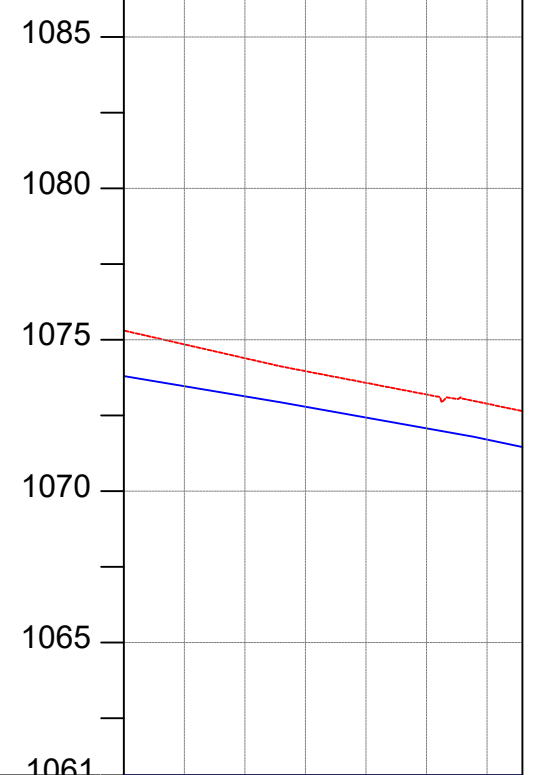
Drawing Title:

**BUSOLWE TOWN
DL-29 (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/DL-29 (CH 0+000.00 - 0+500.00)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+500	0+520		0+560		0+600	0+632
GROUND LEVEL(m)	1075.305	1074.848	1074.392	1073.964	1073.578	1073.193	1072.889
PIPE DETAILS	P-15, OD 75, PN10, HDPE, 632 m						
PIPE INVERT(m)	1074.205	1073.748	1073.292	1072.864	1072.478	1072.093	1071.789
							1071.545

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

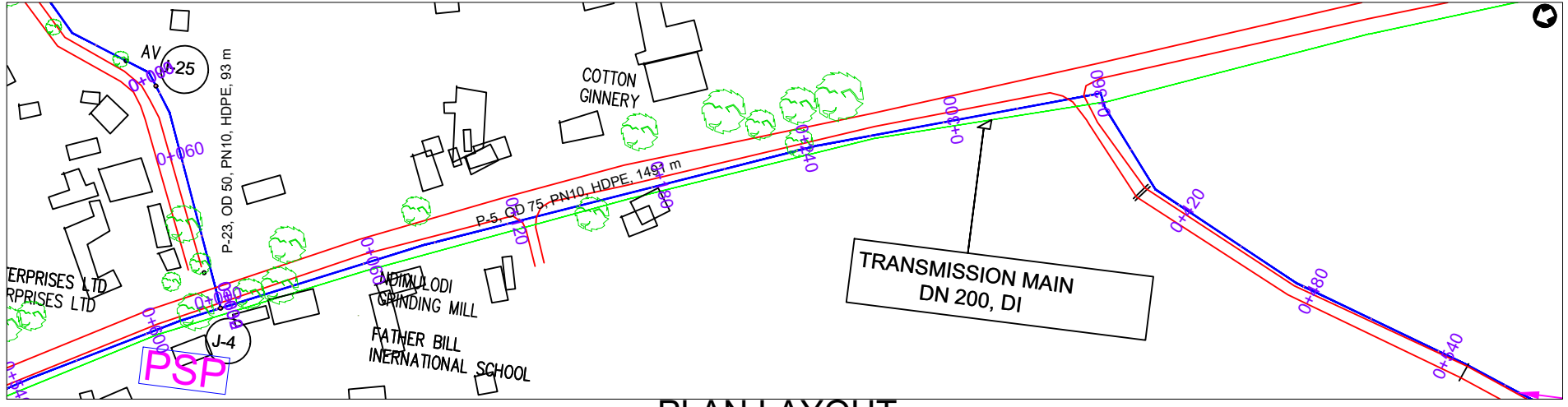
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

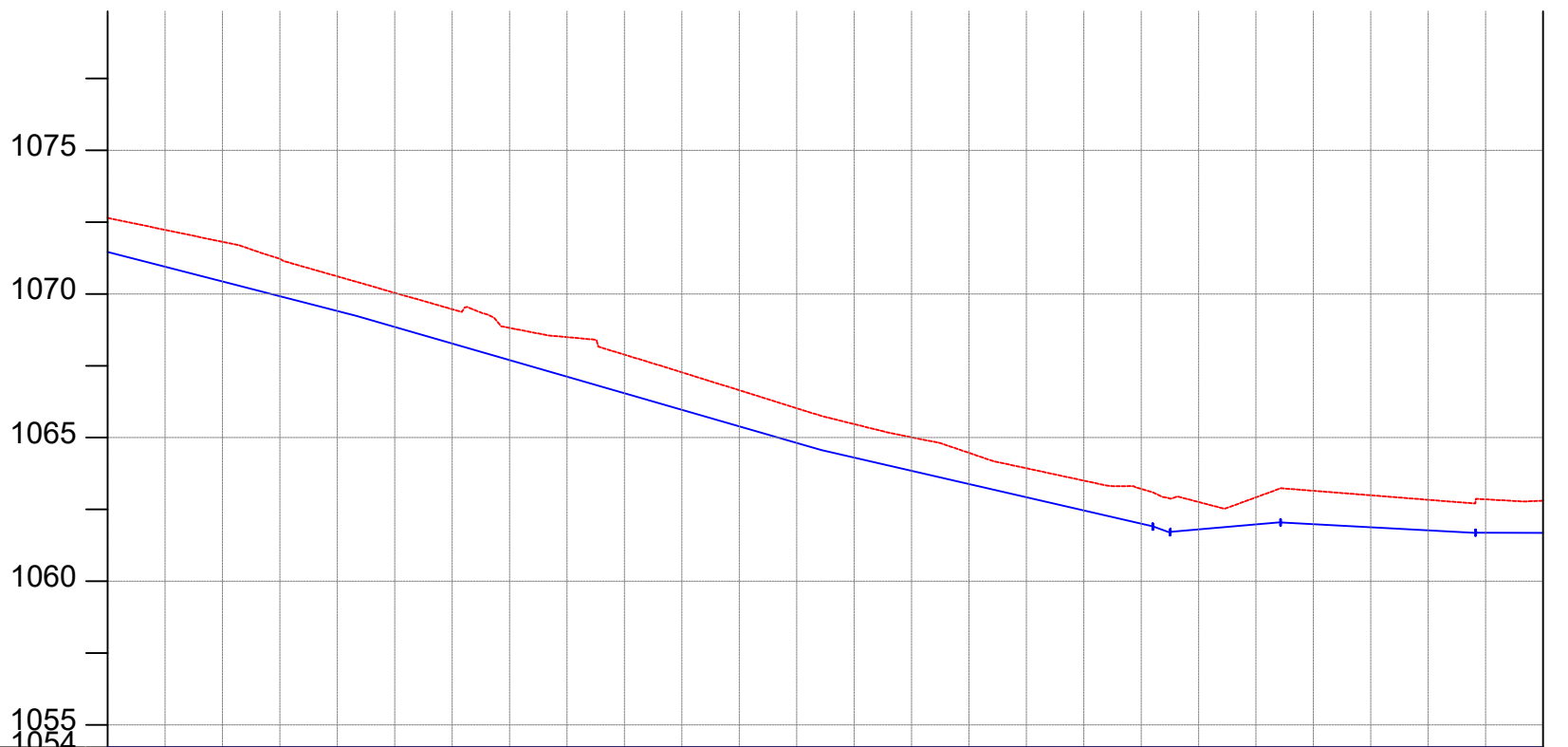
Drawing Title:

**BUSOLWE TOWN
DL-29 (CH 0+500.00 - 0+631.69)**

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/DL-29 (CH 0+500.00 - 0+631.69)	
Sheet No.: 2	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)	1072.645	1072.229	1071.812	1071.219	1070.611	1070.036	1069.467	1068.818	1068.496	1067.887	1067.273	1066.648	1066.023	1065.470	1065.010	1064.469	1063.933	1063.503	1063.215	1062.759	1062.922	1063.149	1062.992	1062.835	1062.851	1062.804		
PIPE DETAILS	P-5, OD 75, PN10, HDPE, 1491 m																											
PIPE INVERT(m)	1071.545	1071.129	1070.712	1070.119	1069.511	1068.936	1068.367	1067.718	1067.396	1066.787	1066.173	1065.548	1064.923	1064.370	1063.910	1063.369	1062.833	1062.403	1062.115	1061.659	1061.822	1062.049	1061.892	1061.735	1061.751	1061.704		

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

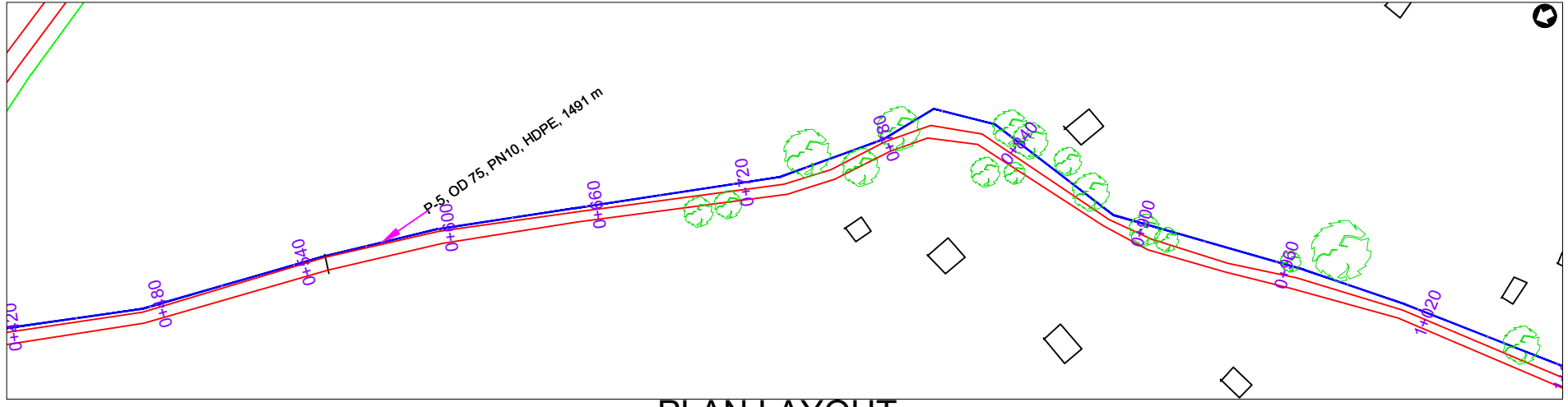
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

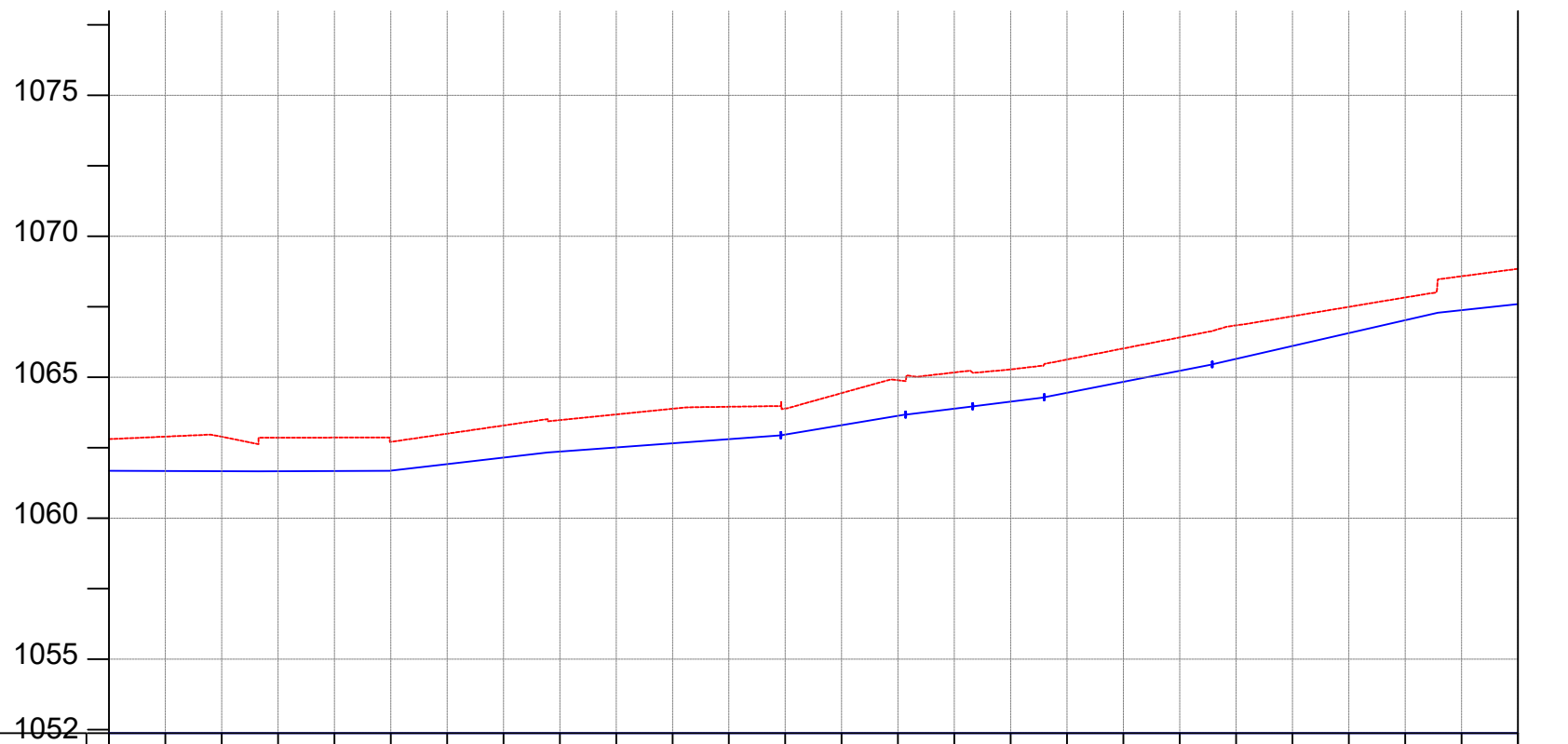
Drawing Title:

**BUSOLWE TOWN
DL-30 (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.: IWMDB/MB/DL-30 (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)	1062.804	1062.893	1062.888	1062.855	1062.859	1062.707	1062.997	1063.287	1063.477	1063.679	1063.880	1063.953	1063.889	1064.436	1064.893	1065.169	1065.277	1065.629	1066.021	1066.413	1066.840	1067.163	1067.496	1067.829	1068.582	1068.846		
PIPE DETAILS	P-5, OD 75, PN10, HDPE, 1491 m																											
PIPE INVERT(m)	1061.704	1061.793	1061.788	1061.755	1061.759	1061.607	1061.897	1062.187	1062.377	1062.579	1062.780	1062.853	1062.789	1063.336	1063.793	1064.069	1064.177	1064.529	1064.921	1065.313	1065.740	1066.063	1066.396	1066.729	1067.482	1067.746		

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

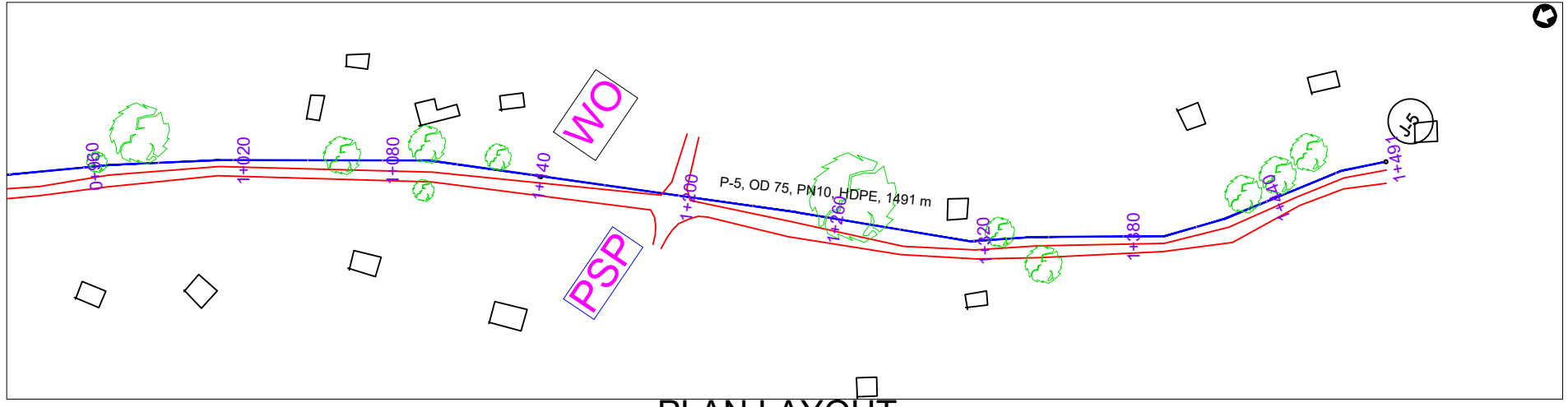
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

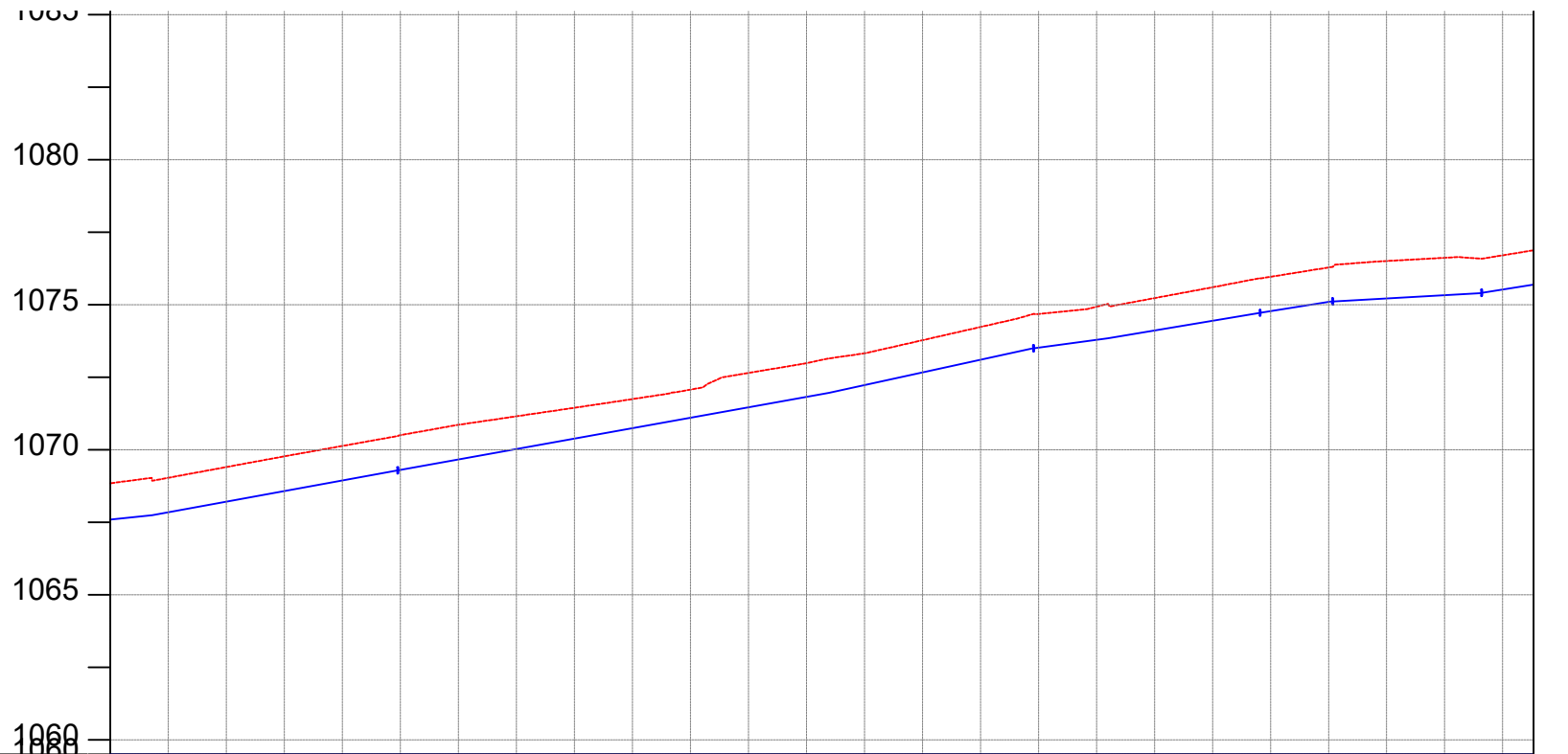
Drawing Title:

**BUSOLWE TOWN
DL-30 (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/DL-30 (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+491		
GROUND LEVEL(m)	1068.846	1069.036	1069.406	1069.775	1070.133	1070.506	1070.861	1071.155	1071.449	1071.749	1072.075	1072.649	1072.990	1073.326	1073.779	1074.234	1074.684	1074.933	1075.230	1075.603	1075.965	1076.287	1076.508	1076.620	1076.705	1076.879		
PIPE DETAILS	P-5, OD 75, PN10, HDPE, 1491 m																											
PIPE INVERT(m)	1067.746	1067.936	1068.306	1068.675	1069.033	1069.406	1069.761	1070.055	1070.349	1070.649	1070.975	1071.549	1071.890	1072.226	1072.679	1073.134	1073.584	1073.833	1074.130	1074.503	1074.865	1075.187	1075.408	1075.520	1075.605	1075.779		

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:

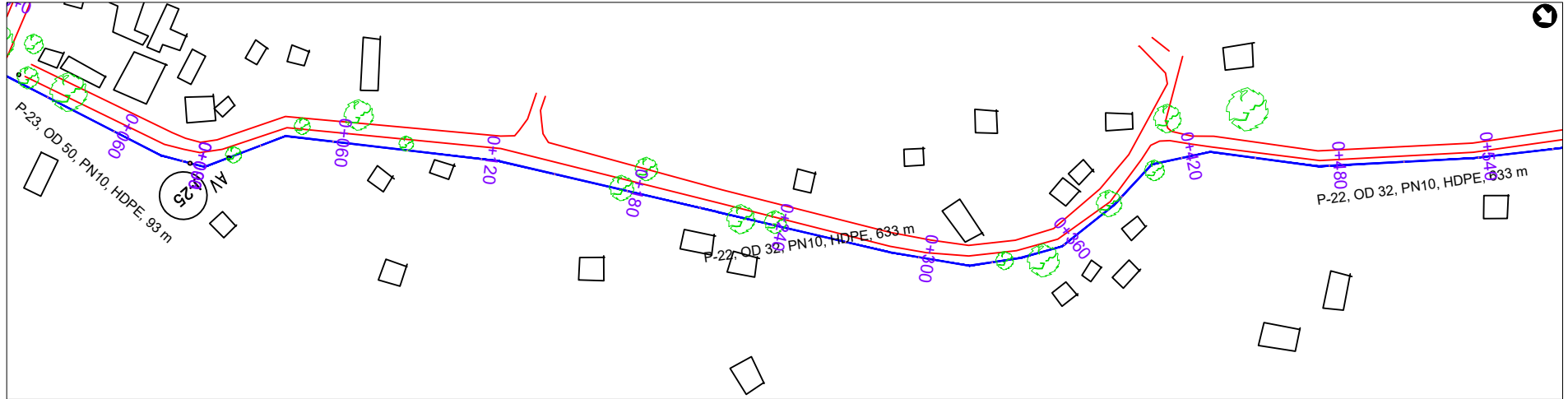
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

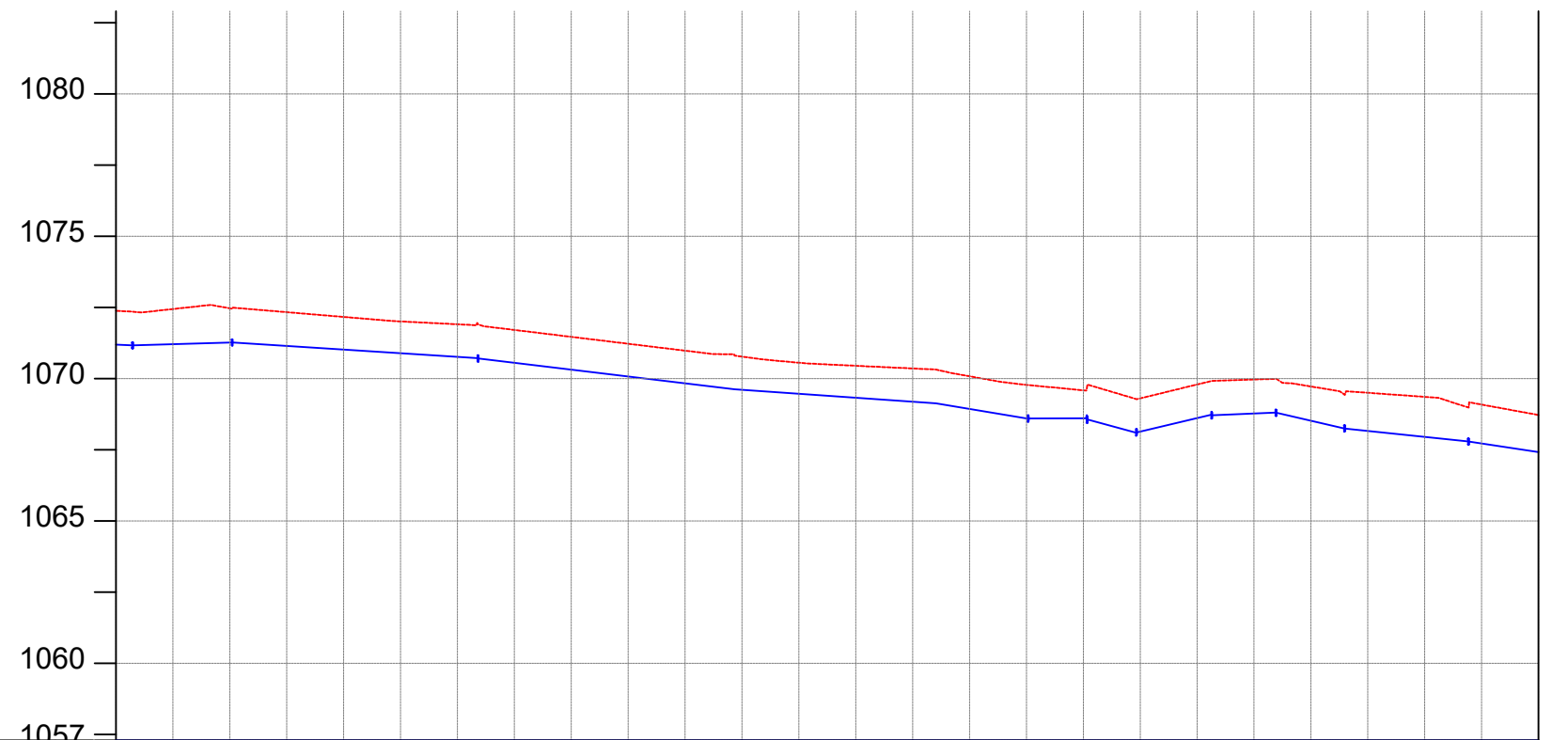
Drawing Title:

**BUSOLWE TOWN
DL-30 (CH 1+000.00 - 1+490.67)**

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/DL-30 (CH 1+000.00 - 1+490.67)	
Sheet No.: 3	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)	1072.381	1072.444	1072.470	1072.334	1072.167	1072.010	1071.908	1071.710	1071.467	1071.224	1070.981	1070.772	1070.558	1070.451	1070.357	1070.082	1069.777	1069.589	1069.306	1069.793	1069.967	1069.723	1069.502	1069.358	1069.087	1068.721		
PIPE DETAILS	P-22, OD 32, PN10, HDPE, 633 m																											
PIPE INVERT(m)	1071.281	1071.344	1071.370	1071.234	1071.067	1070.910	1070.808	1070.610	1070.367	1070.124	1069.881	1069.672	1069.458	1069.351	1069.257	1068.982	1068.677	1068.489	1068.206	1068.693	1068.867	1068.623	1068.402	1068.258	1067.987	1067.621		

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

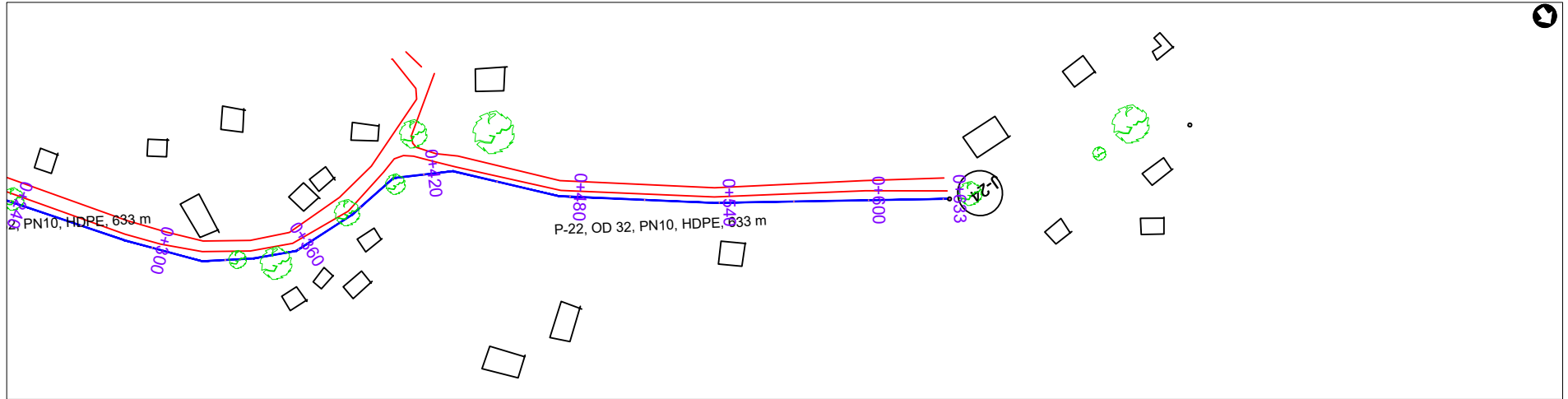
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

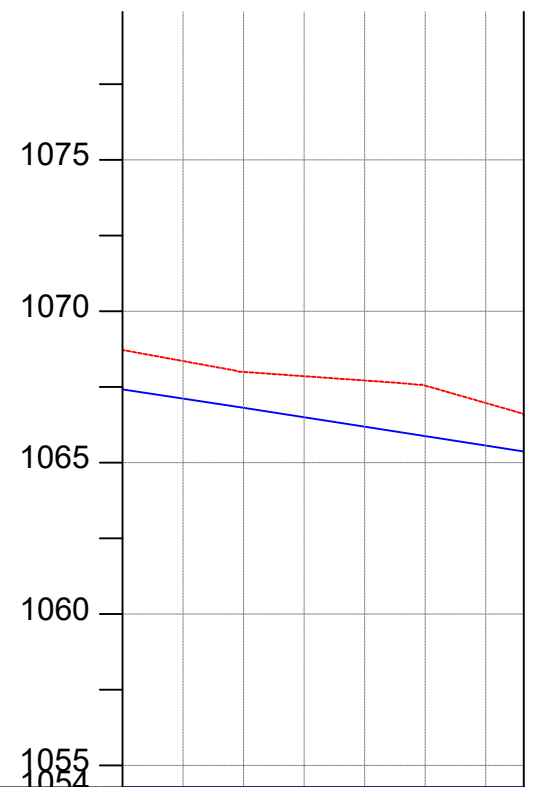
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-32 (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/DL-32 (CH 0+000.00 - 0+500.00)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+500	0+520		0+560		0+600	
GROUND LEVEL(m)	1068.721	1068.356	1067.998	1067.856	1067.714	1067.545	1066.972
PIPE DETAILS	P-22, OD 32, PN10, HDPE, 633 m						
PIPE INVERT(m)	1067.621	1067.256	1066.898	1066.756	1066.614	1066.445	1065.872

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 BUTALEJA AND BUSOLWE

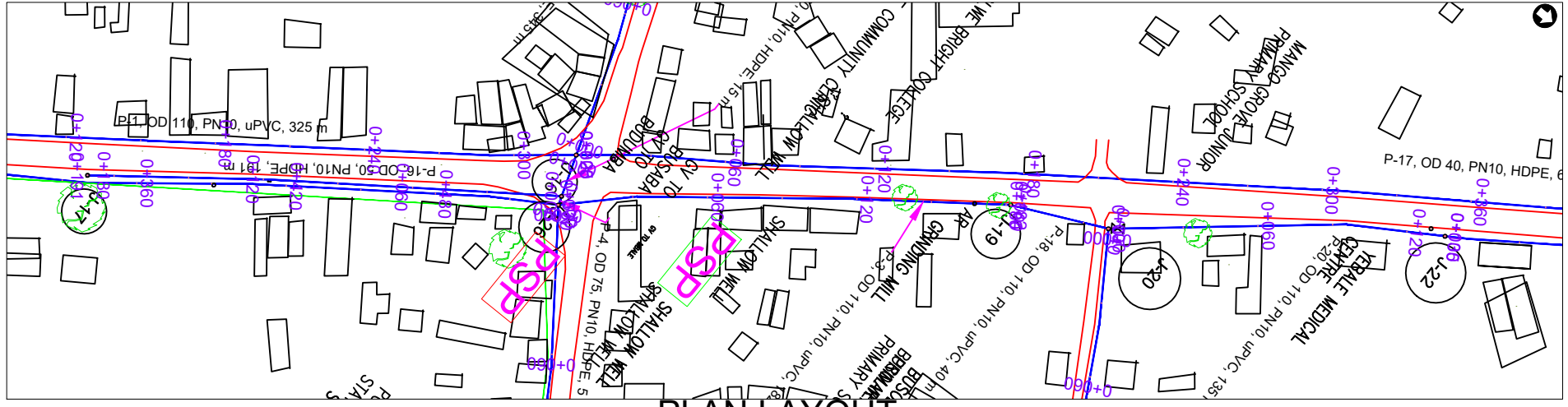
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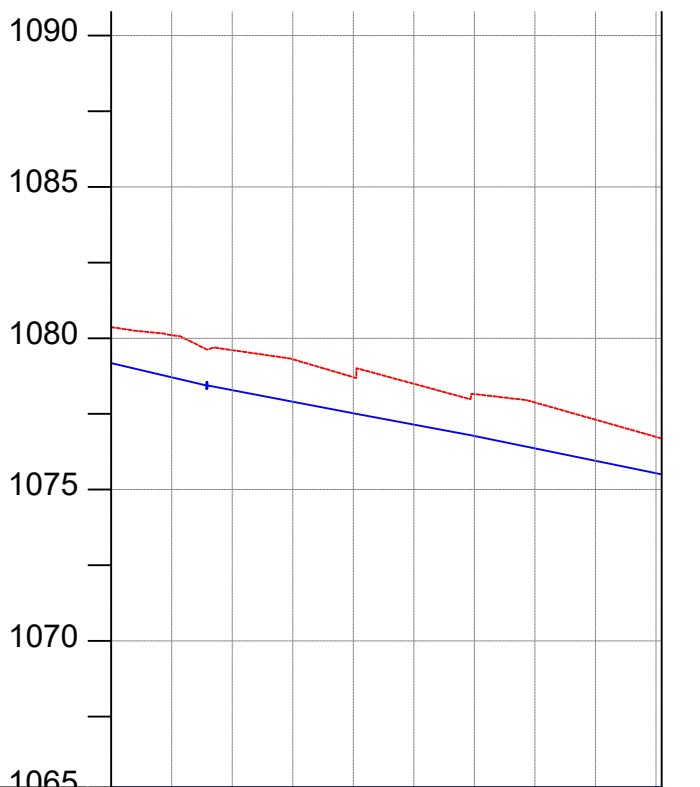
Drawing Title:

BUSOLWE TOWN
DL-32 (CH 0+500.00 - 0+632.53)

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/DL-32 (CH 0+500.00 - 0+632.53)	
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+160	0+182
GROUND LEVEL(m)	1080.365	1080.101	1079.606	1079.304	1078.715	1078.495
PIPE DETAILS	P-3, OD 110, PN10, uPVC, 182 m					
PIPE INVERT(m)	1079.265	1079.001	1078.506	1078.204	1077.615	1077.395
	1079.001	1078.506	1078.204	1077.615	1077.395	1077.056
	1078.506	1078.204	1077.615	1077.395	1077.056	1076.779
	1078.204	1077.615	1077.395	1077.056	1076.779	1076.211
	1077.615	1077.395	1077.056	1076.779	1076.211	1075.643

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 BUTALEJA AND BUSOLWE

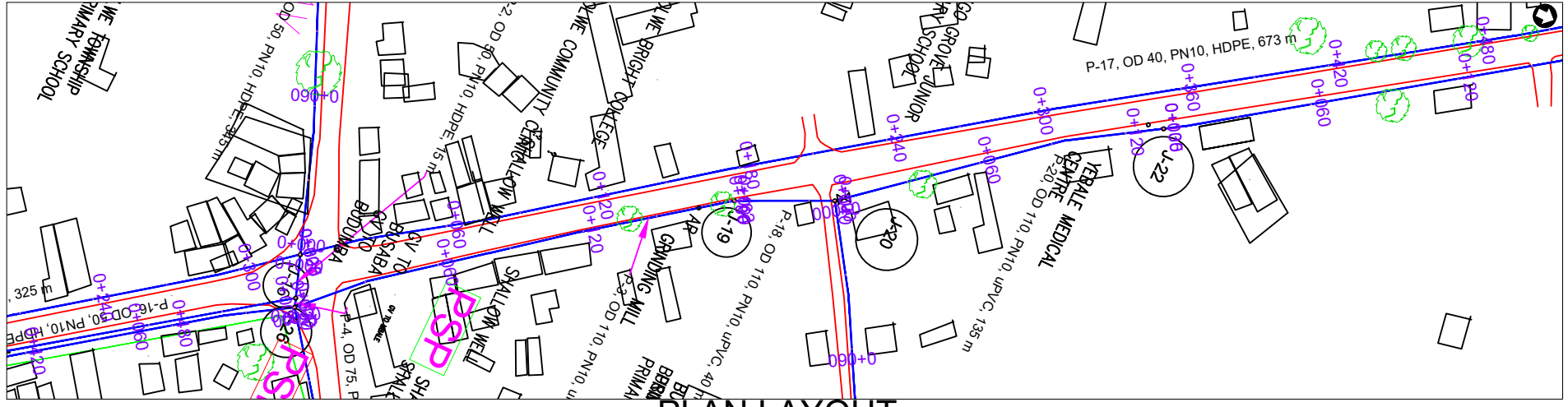
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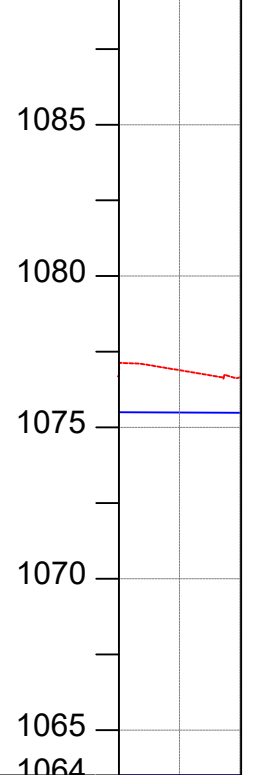


Drawing Title:
BUSOLWE TOWN
DL-33 (CH 0+000.00 - 0+181.89)

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/DL-33 (CH 0+000.00 - 0+181.89)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040
GROUND LEVEL(m)	1076.689	1076.891
PIPE DETAILS	P-18, OD 110, PN10, uPVC, 40 m	
PIPE INVERT(m)	1075.589	1075.556

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

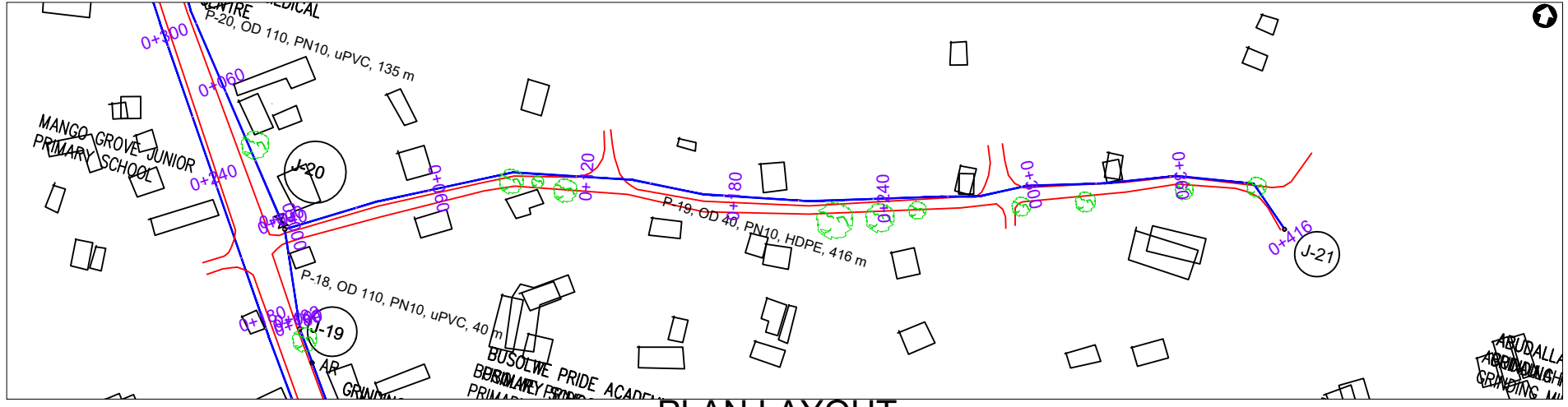
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

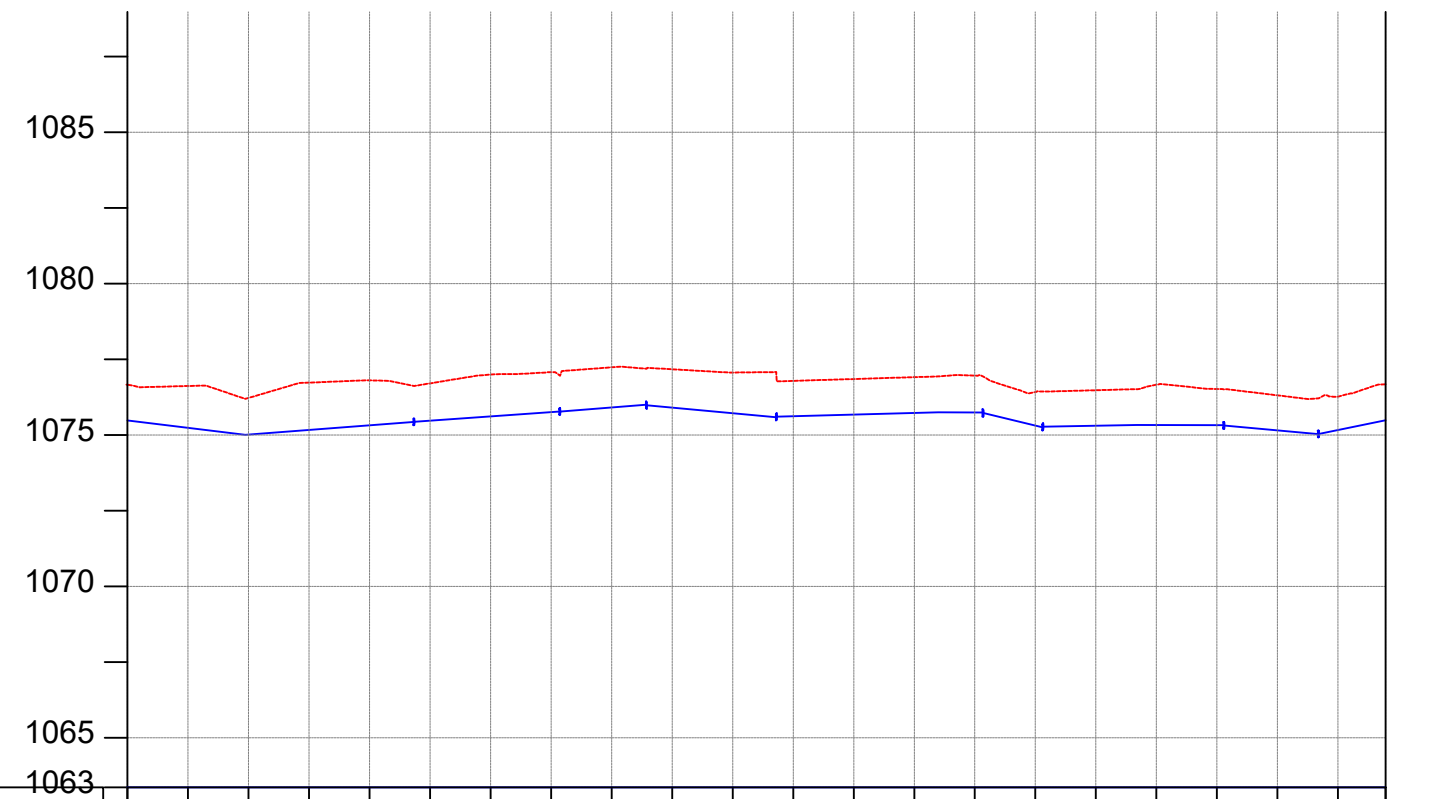
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
DL-35 (CH 0+000.00 - 0+040.41)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL-35 (CH 0+000.00 - 0+040.41)
Sheet No.: 1	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+416										
GROUND LEVEL(m)	1076.666	1076.620	1076.225	1076.731	1076.807	1076.707	1077.001	1077.078	1077.238	1077.172	1077.065	1076.789	1076.850	1076.911	1076.961	1076.416	1076.480	1076.661	1076.521	1076.311	1076.266	1076.673
PIPE DETAILS	P-19, OD 40, PN10, HDPE, 416 m																					
PIPE INVERT(m)	1075.566	1075.520	1075.125	1075.631	1075.707	1075.607	1075.901	1075.978	1076.138	1076.072	1075.965	1075.689	1075.750	1075.811	1075.861	1075.316	1075.380	1075.561	1075.421	1075.211	1075.166	1075.573

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 BUTALEJA AND BUSOLWE

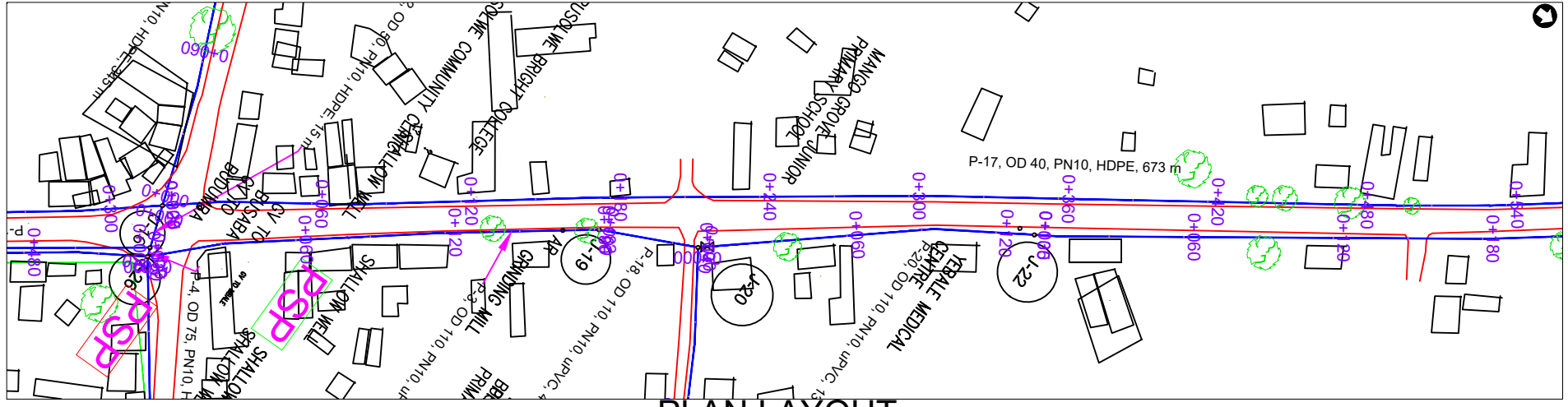
CONSULTANT:



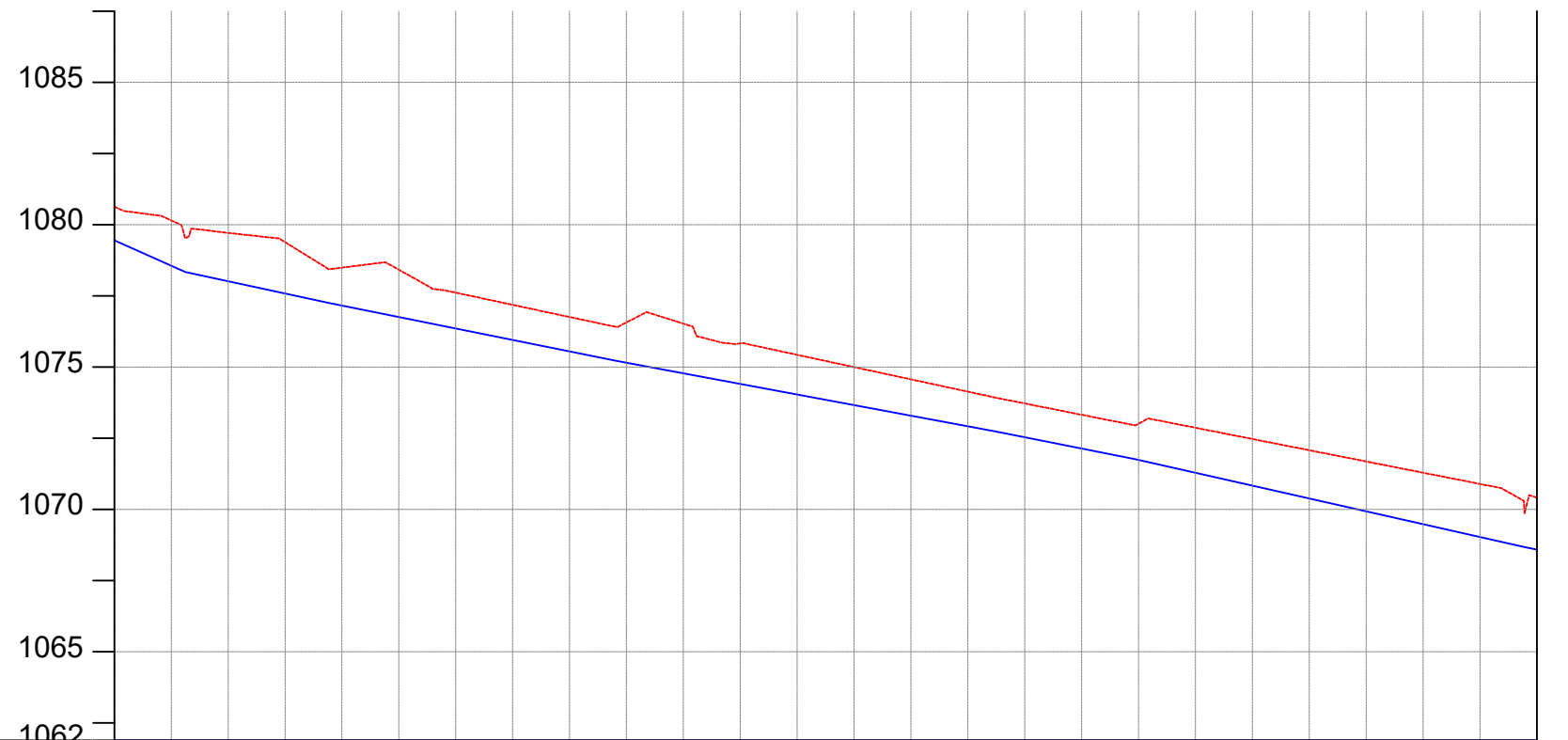


Drawing Title:
**BUSOLWE TOWN
DL-36 (CH 0+000.00 - 0+415.76)**

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/DL-36 (CH 0+000.00 - 0+415.76)	
Sheet No.: 1	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)	1080.636	1080.150	1079.713	1079.388	1078.491	1078.418	1077.613	1077.185	1076.758	1076.567	1076.525	1075.837	1075.430	1074.999	1074.568	1074.136	1073.722	1073.324	1073.010	1072.868	1072.473	1072.078	1071.683	1071.289	1070.894	1070.412		
PIPE DETAILS	P-15, OD 75, PN10, HDPE, 632 m																											
PIPE INVERT(m)	1079.536	1079.050	1078.613	1078.288	1077.391	1077.318	1076.513	1076.085	1075.658	1075.467	1075.425	1074.737	1074.330	1073.899	1073.468	1073.036	1072.622	1072.224	1071.910	1071.768	1071.373	1070.978	1070.583	1070.189	1069.794	1069.312		

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

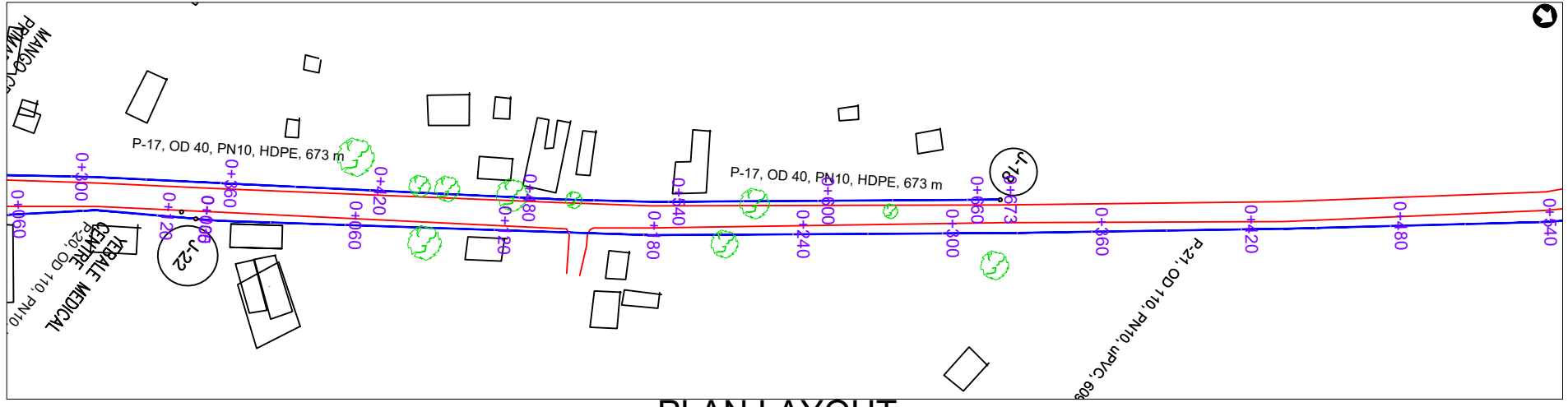
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

Drawing Title:

**BUSOLWE TOWN
DL-37 (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/DL-37 (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+673
GROUND LEVEL(m)	1070.412	1069.786	1069.074	1068.449	1067.824	1067.199	1066.574	1065.950	1065.325	1064.910
PIPE DETAILS	P-17, OD 40, PN10, HDPE, 673 m									
PIPE INVERT(m)	1069.312	1068.686	1067.974	1067.349	1066.724	1066.099	1065.474	1064.850	1064.225	1063.810

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

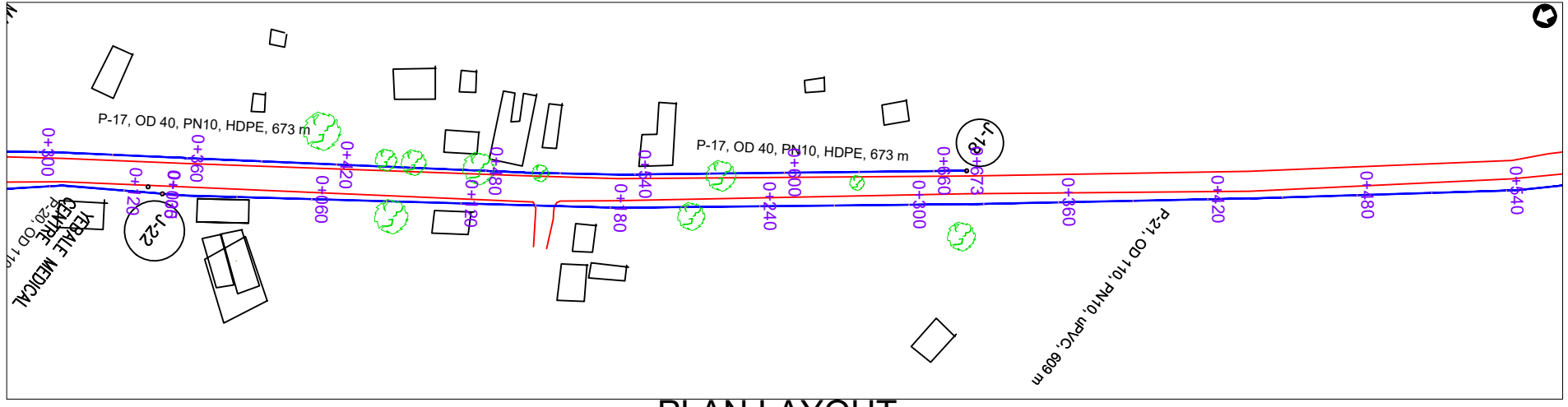
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

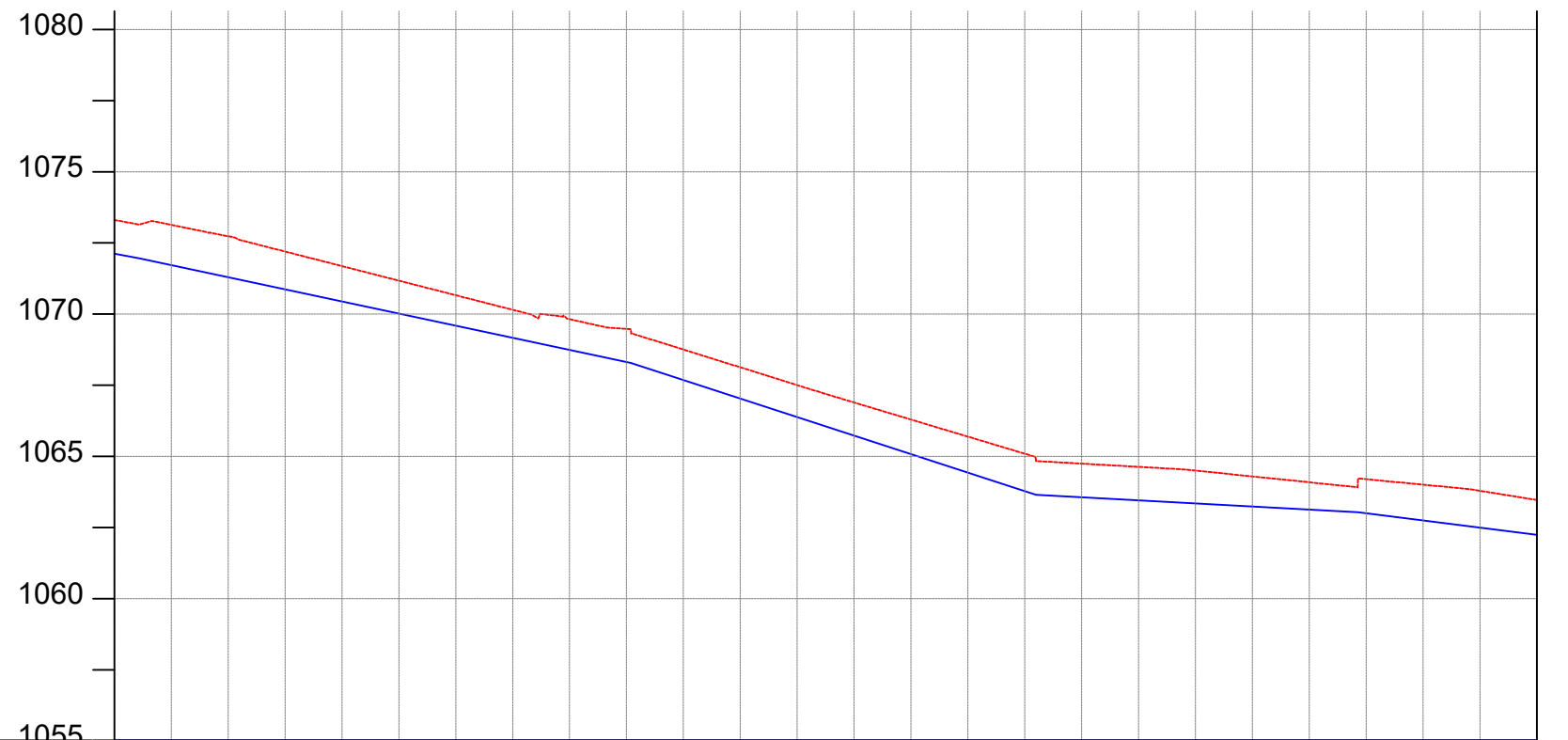
Drawing Title:

BUSOLWE TOWN
DL-37 (CH 0+500.00 - 0+673.28)

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/DL-37 (CH 0+500.00 - 0+673.28)	
Sheet No.: 2	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)	1073.307	1073.135	1072.734	1072.198	1071.686	1071.175	1070.663	1070.152	1069.820	1069.479	1068.755	1068.131	1067.507	1066.895	1066.295	1065.696	1065.096	1064.747	1064.634	1064.503	1064.298	1064.092	1064.200	1064.008	1063.792	1063.471	1063.371	
PIPE DETAILS	P-21, OD 110, PN10, uPVC, 609 m																											
PIPE INVERT(m)	1072.207	1072.035	1071.634	1071.098	1070.586	1070.075	1069.563	1069.052	1068.720	1068.379	1067.655	1067.031	1066.407	1065.795	1065.195	1064.596	1063.996	1063.647	1063.534	1063.403	1063.198	1062.992	1063.100	1062.908	1062.692	1062.371	1062.371	

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

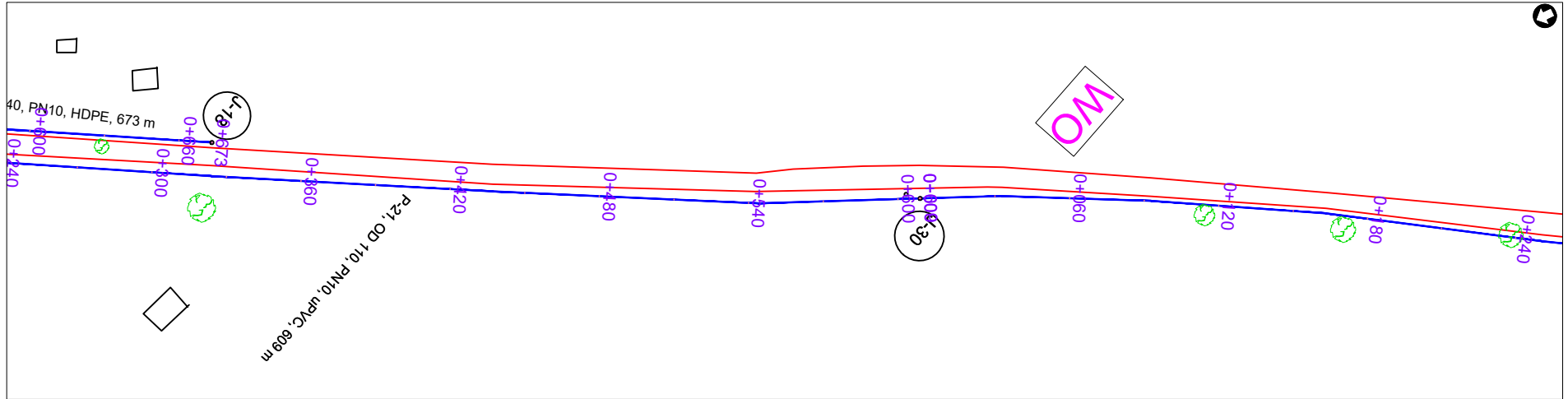
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

CONSULTANT:

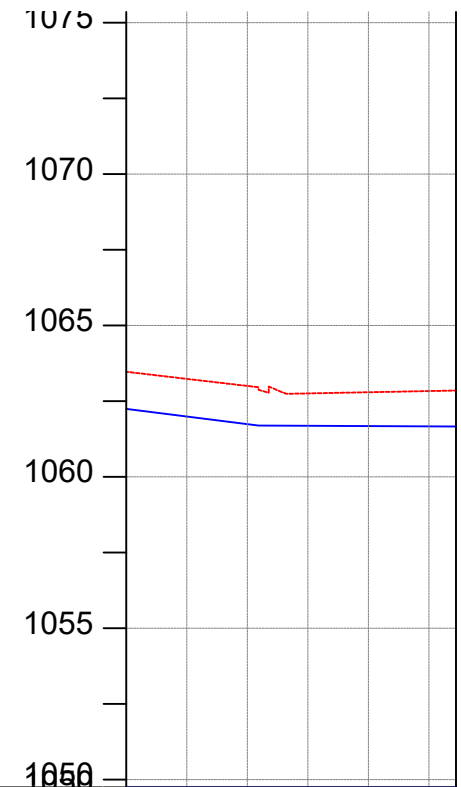
Drawing Title:

**BUSOLWE TOWN
DL-39 (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/DL-39 (CH 0+000.00 - 0+500.00)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+500	0+520		0+560		0+600
GROUND LEVEL(m)	1063.471	1063.237	1063.004	1062.757	1062.796	1062.834 1062.852
PIPE DETAILS	P-21, OD 110, PN10, uPVC, 609 m					
PIPE INVERT(m)	1062.371	1062.137	1061.904	1061.657	1061.696	1061.734 1061.752

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 BUTALEJA AND BUSOLWE

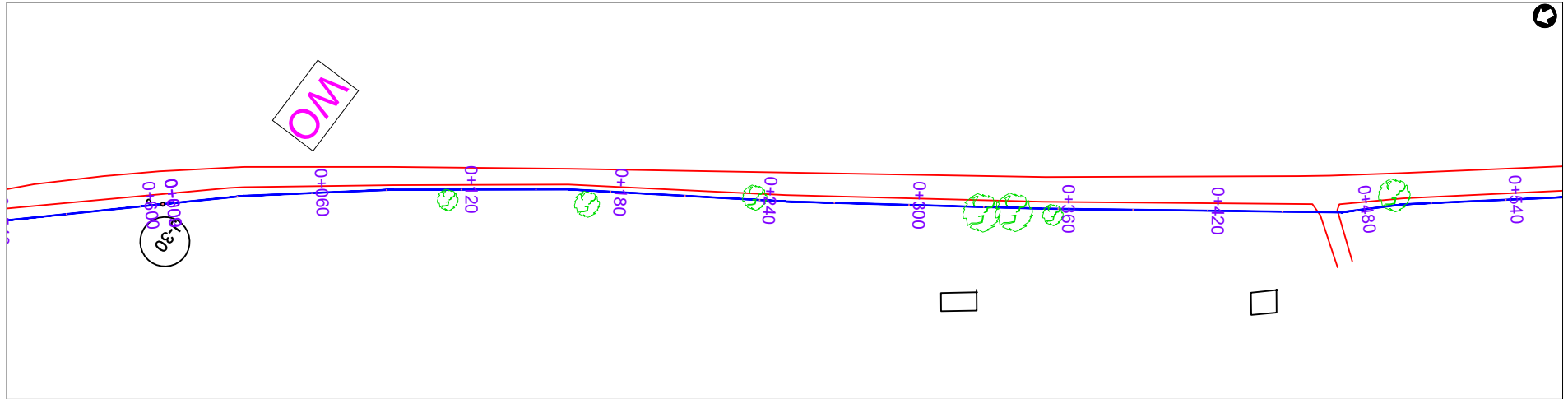
CONSULTANT:



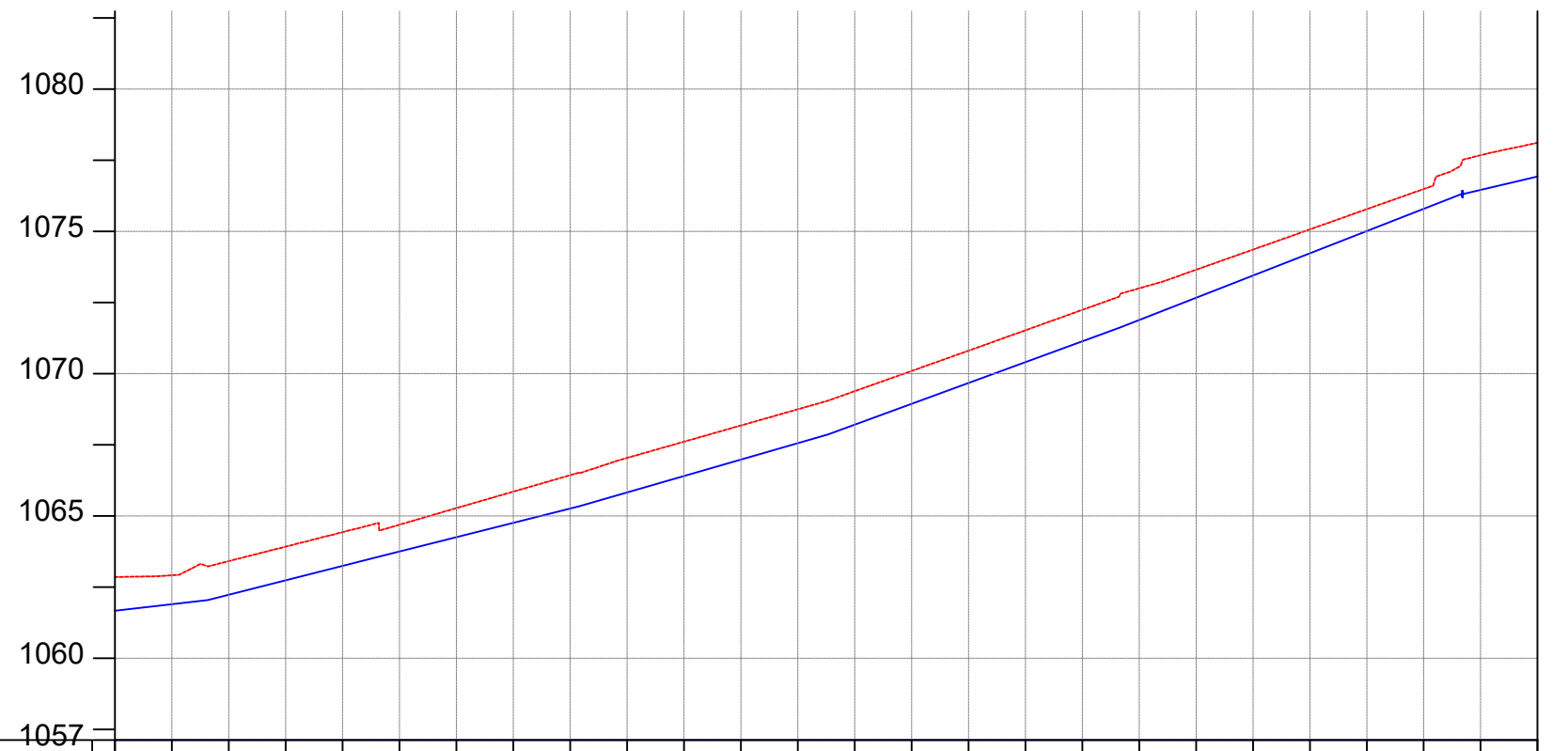
Drawing Title:

BUSOLWE TOWN
DL-39 (CH 0+500.00 - 0+608.98)

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/DL-39 (CH 0+500.00 - 0+608.98)	
Sheet No.: 2	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)	1062.852	1062.913	1063.413	1063.922	1064.430	1064.692	1065.276	1065.854	1066.432	1067.040	1067.609	1068.179	1068.748	1069.384	1070.095	1070.807	1071.524	1072.242	1072.999	1073.651	1074.360	1075.070	1075.780	1076.490	1077.677	1078.120		
PIPE DETAILS	P-30, OD 110, PN10, uPVC, 1279 m																											
PIPE INVERT(m)	1061.752	1061.813	1062.313	1062.822	1063.330	1063.592	1064.176	1064.754	1065.332	1065.940	1066.509	1067.079	1067.648	1068.284	1068.995	1069.707	1070.424	1071.142	1071.899	1072.551	1073.260	1073.970	1074.680	1075.390	1076.577	1077.020		

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 BUTALEJA AND BUSOLWE

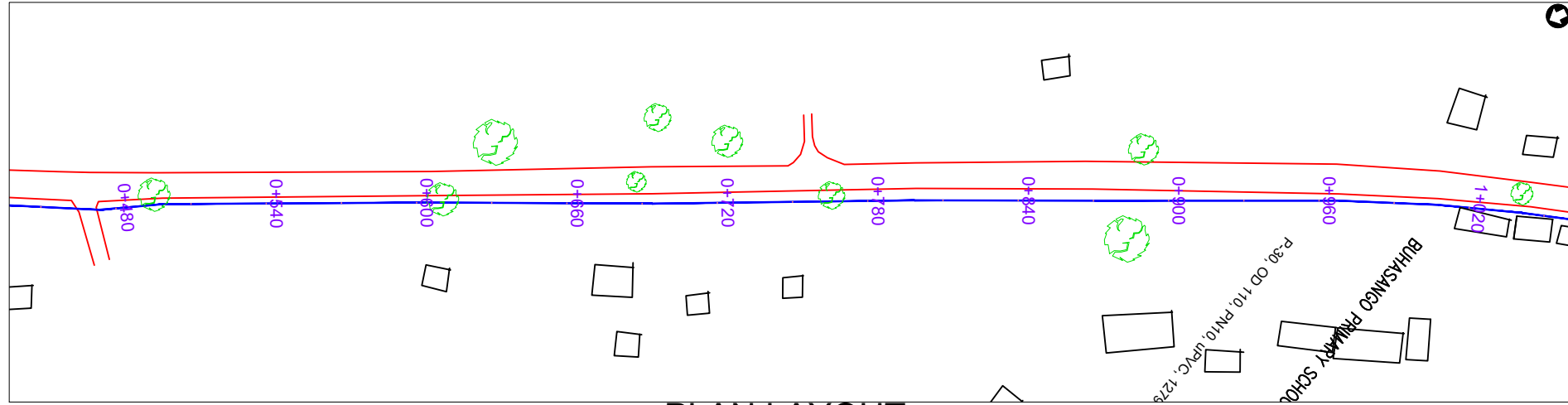
CONSULTANT:



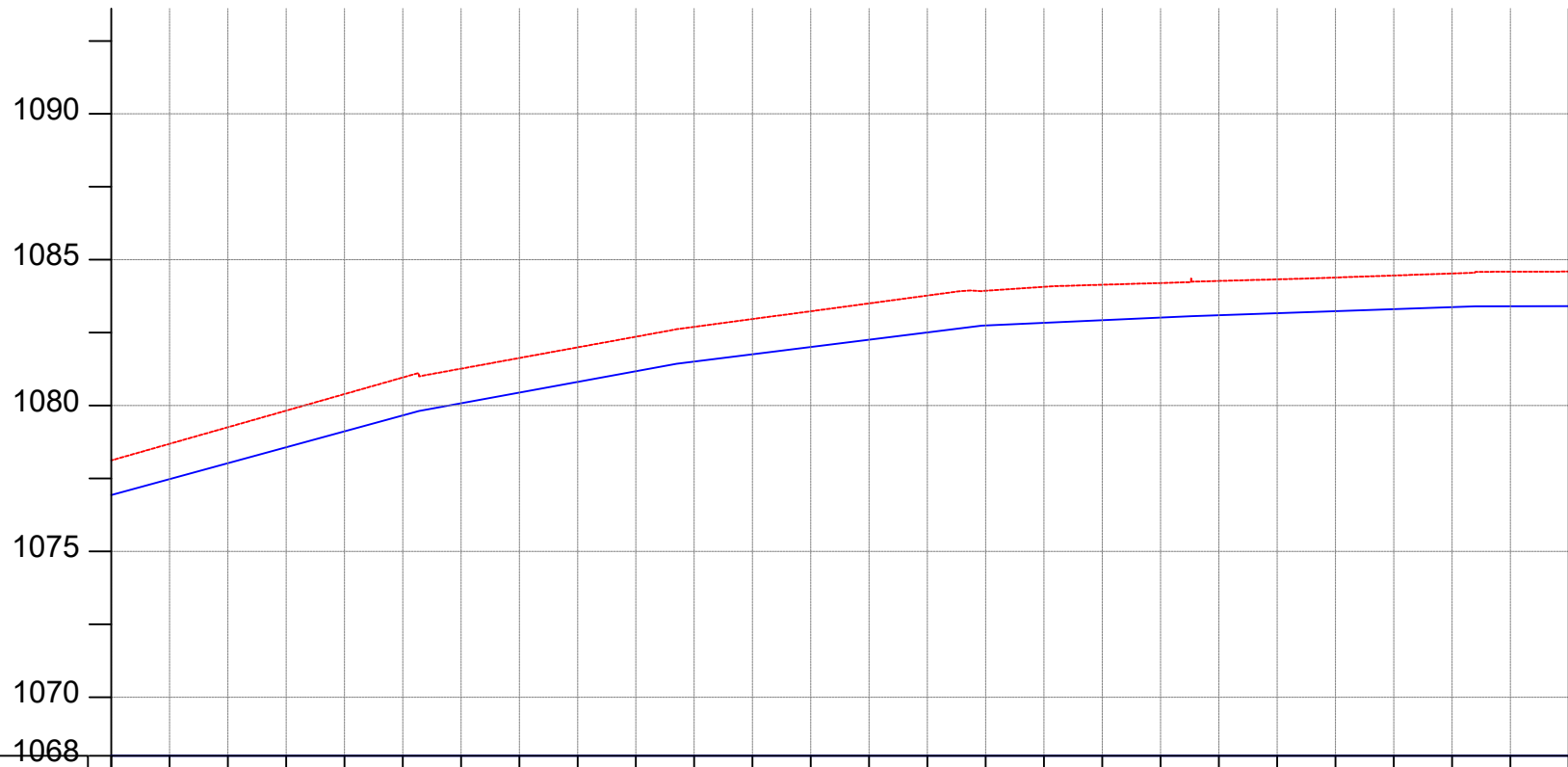
Drawing Title:

BUSOLWE TOWN
DL-40 (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.: IWMDB/MBW/DL-40 (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)	1078.120	1078.689	1079.257	1079.825	1080.394	1080.962	1081.265	1081.630	1081.996	1082.361	1082.697	1082.966	1083.235	1083.503	1083.772	1083.935	1084.070	1084.142	1084.201	1084.273	1084.328	1084.390	1084.458	1084.527	1084.588	1084.594		
PIPE DETAILS	P-30, OD 110, PN10, uPVC, 1279 m																											
PIPE INVERT(m)	1077.020	1077.589	1078.157	1078.725	1079.294	1079.862	1080.165	1080.530	1080.896	1081.261	1081.597	1081.866	1082.135	1082.403	1082.672	1082.835	1082.970	1083.042	1083.101	1083.173	1083.228	1083.290	1083.358	1083.427	1083.488	1083.494		

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 BUTALEJA AND BUSOLWE

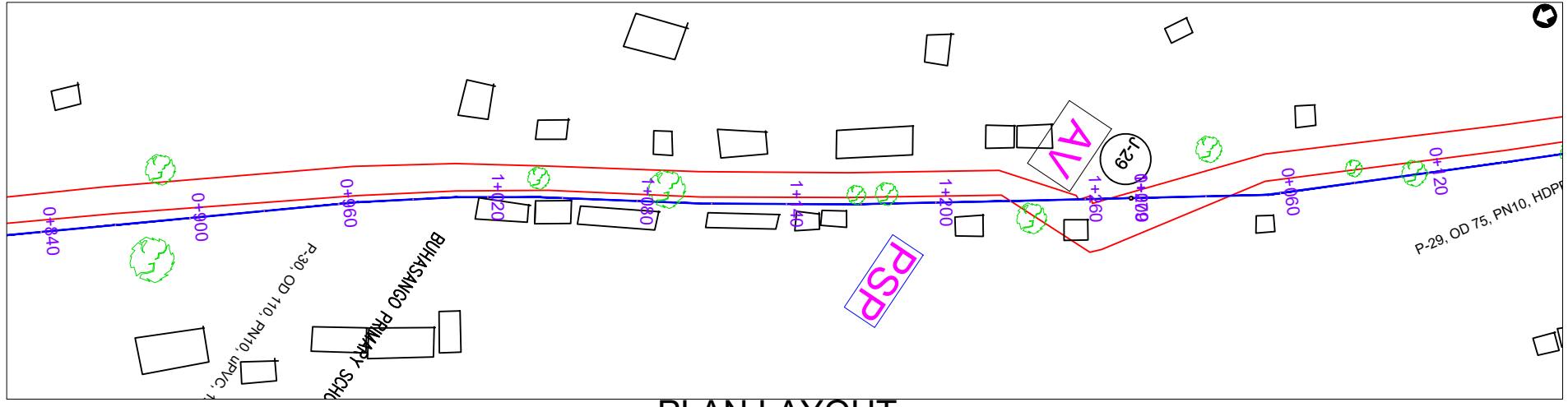
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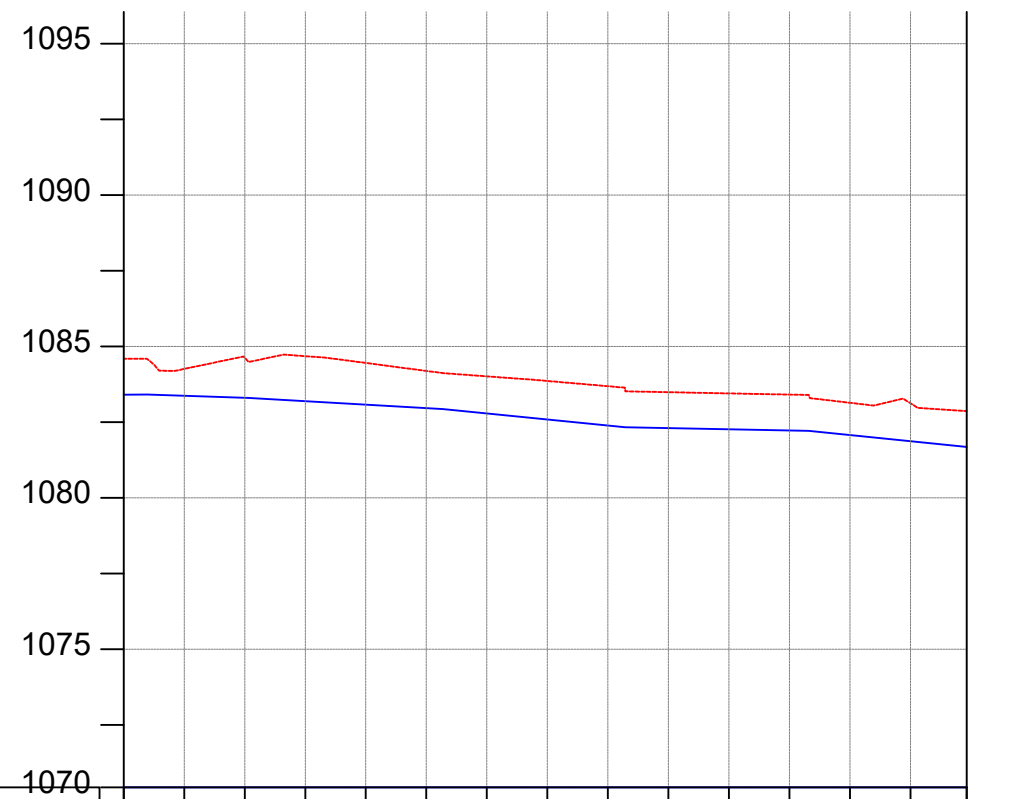
Drawing Title:

BUSOLWE TOWN
DL-40 (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/DL-40 (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+279
GROUND LEVEL(m)	1084.594	1084.259	1084.633	1084.680	1084.457	1084.193	1084.014	1083.861	1083.689	1083.491	1083.451	1083.412	1083.140	1083.123	1082.867
PIPE DETAILS	P-30, OD 110, PN10, uPVC, 1279 m														
PIPE INVERT(m)	1083.494	1083.159	1083.533	1083.580	1083.357	1083.093	1082.914	1082.761	1082.589	1082.391	1082.351	1082.312	1082.040	1082.023	1081.767

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 BUTALEJA AND BUSOLWE

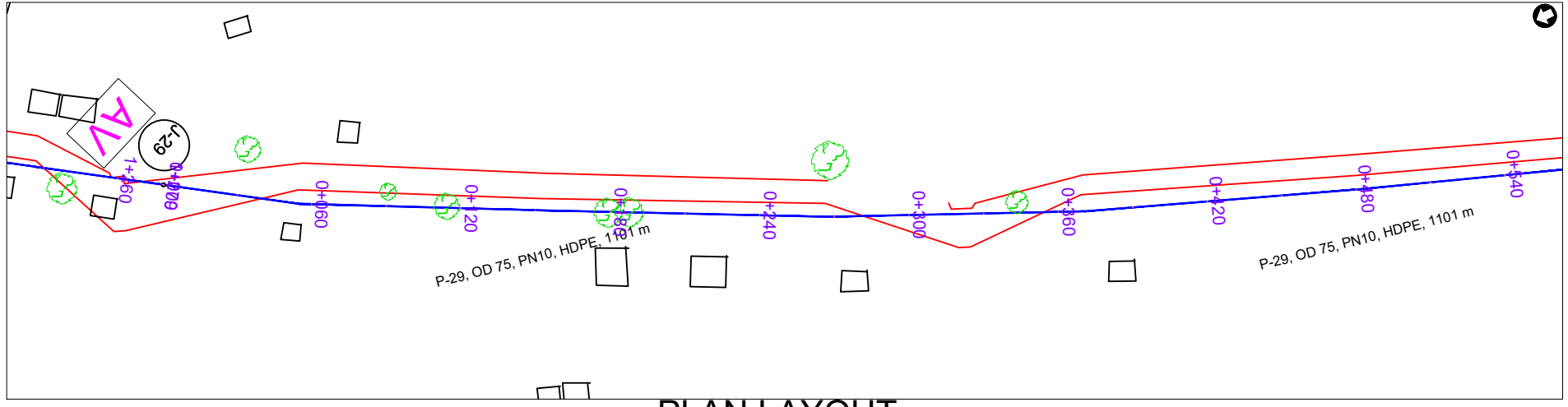
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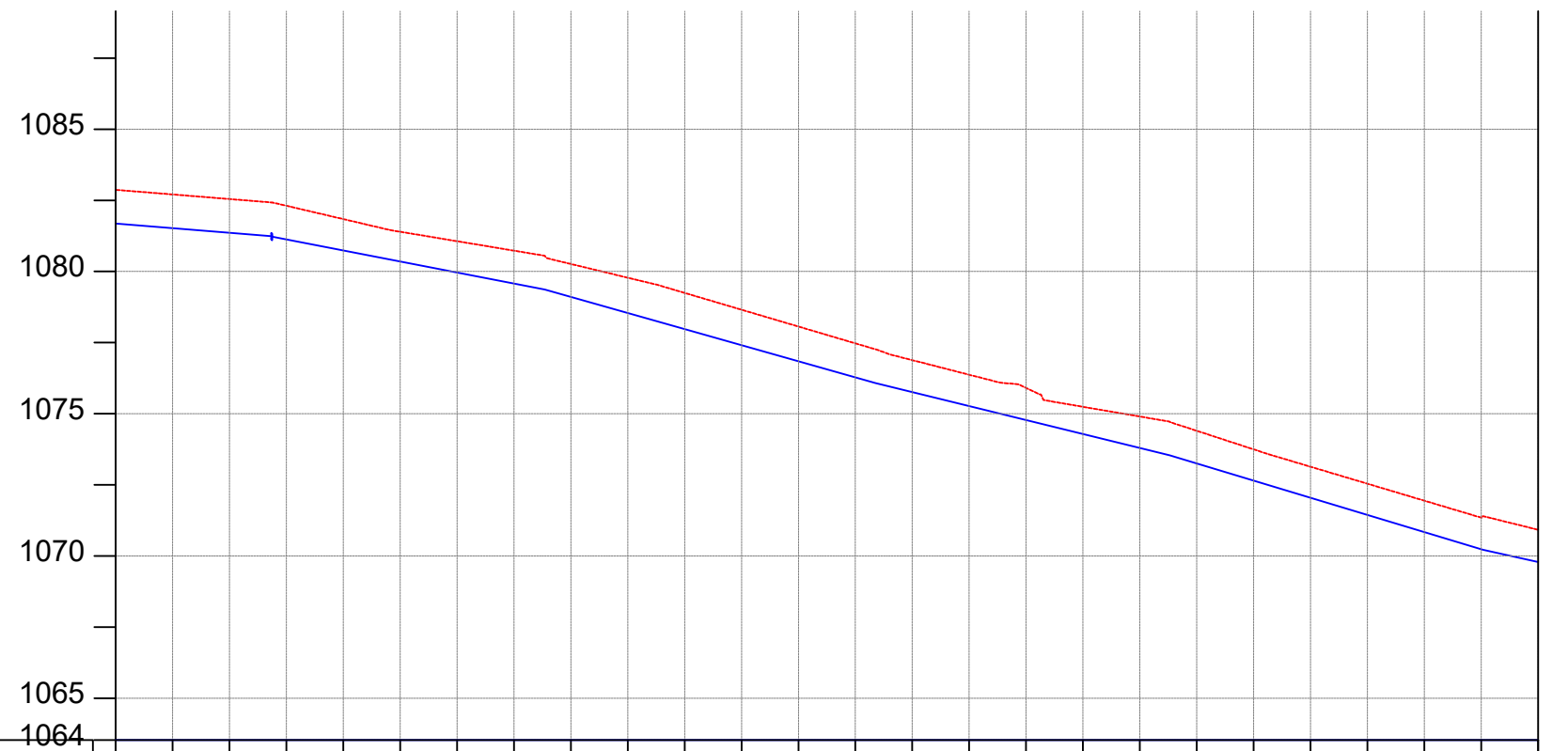
Drawing Title:

BUSOLWE TOWN
DL-40 (CH 1+000.00 - 1+278.54)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL-40 (CH 1+000.00 - 1+278.54)
Sheet No.: 3	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)	1082.867	1082.707	1082.546	1082.310	1081.841	1081.396	1081.064	1080.732	1080.264	1079.782	1079.247	1078.656	1078.065	1077.474	1076.884	1076.371	1075.907	1075.245	1074.903	1074.401	1073.749	1073.138	1072.542	1071.945	1071.349	1070.923		
PIPE DETAILS	P-29, OD 75, PN10, HDPE, 1101 m																											
PIPE INVERT(m)	1081.767	1081.607	1081.446	1081.210	1080.741	1080.296	1079.964	1079.632	1079.164	1078.682	1078.147	1077.556	1076.965	1076.374	1075.784	1075.271	1074.807	1074.145	1073.803	1073.301	1072.649	1072.038	1071.442	1070.845	1070.249	1069.823		

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 BUTALEJA AND BUSOLWE

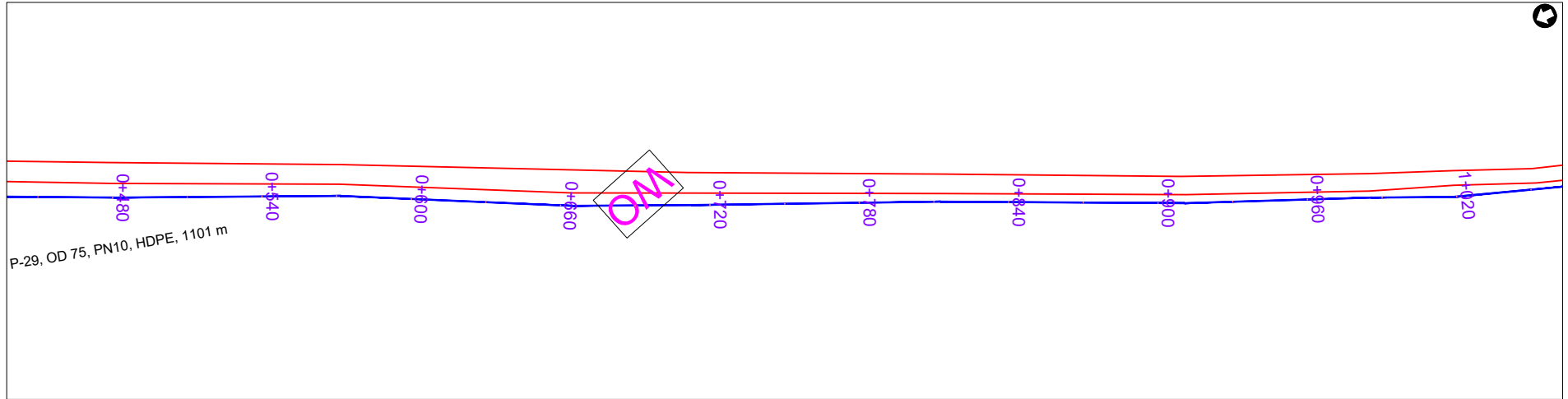
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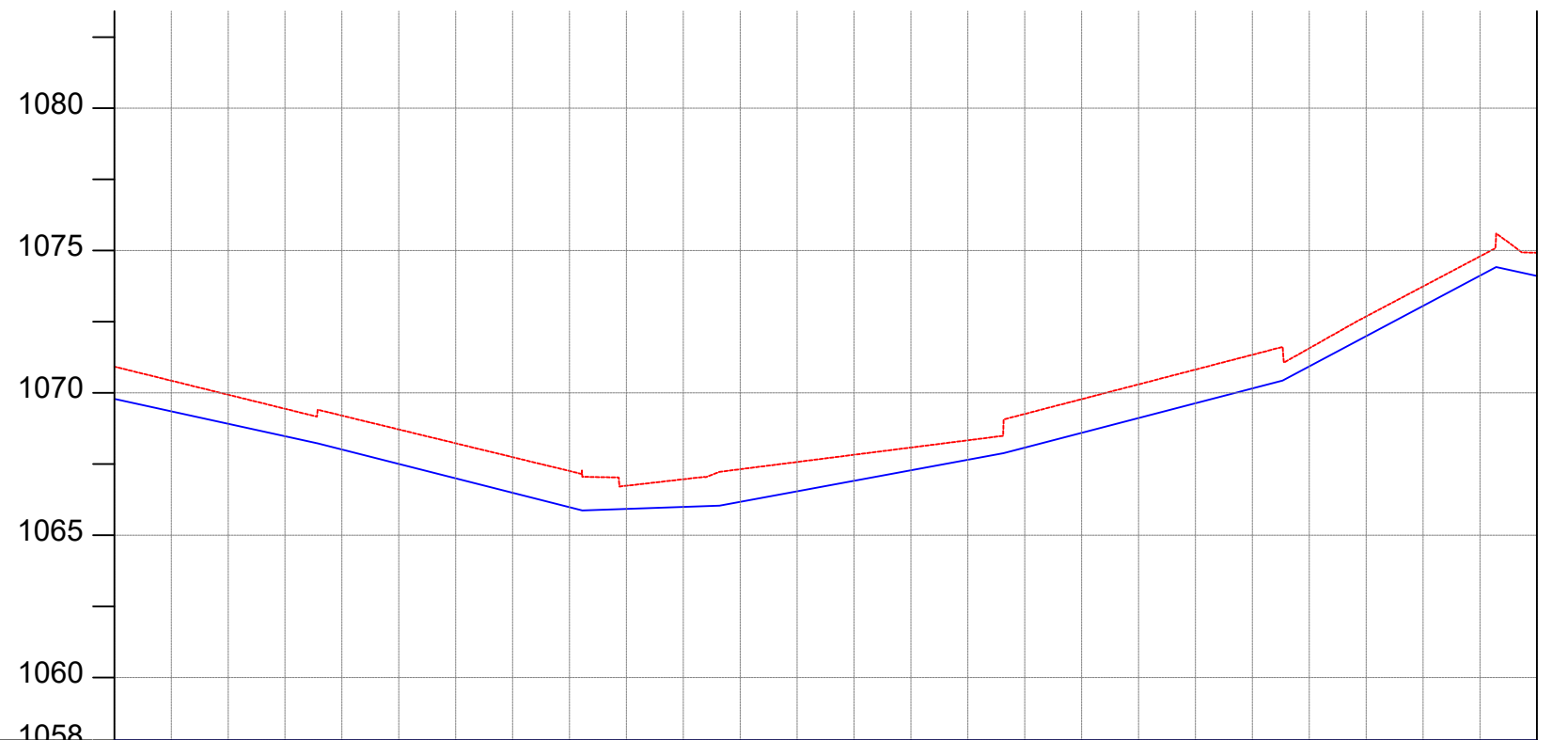
Drawing Title:

BUSOLWE TOWN
DL-41 (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/DL-41 (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)	1070.923	1070.430	1069.936	1069.442	1069.202	1068.715	1068.229	1067.743	1067.256	1066.738	1066.966	1067.319	1067.573	1067.827	1068.081	1068.335	1069.260	1069.780	1070.300	1070.819	1071.339	1071.566	1072.683	1073.738	1074.793	1074.924		
PIPE DETAILS	P-29, OD 75, PN10, HDPE, 1101 m																											
PIPE INVERT(m)	1069.823	1069.330	1068.836	1068.342	1068.102	1067.615	1067.129	1066.643	1066.156	1065.638	1065.866	1066.219	1066.473	1066.727	1066.981	1067.235	1068.160	1068.680	1069.200	1069.719	1070.239	1070.466	1071.583	1072.638	1073.693	1073.824		

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 BUTALEJA AND BUSOLWE

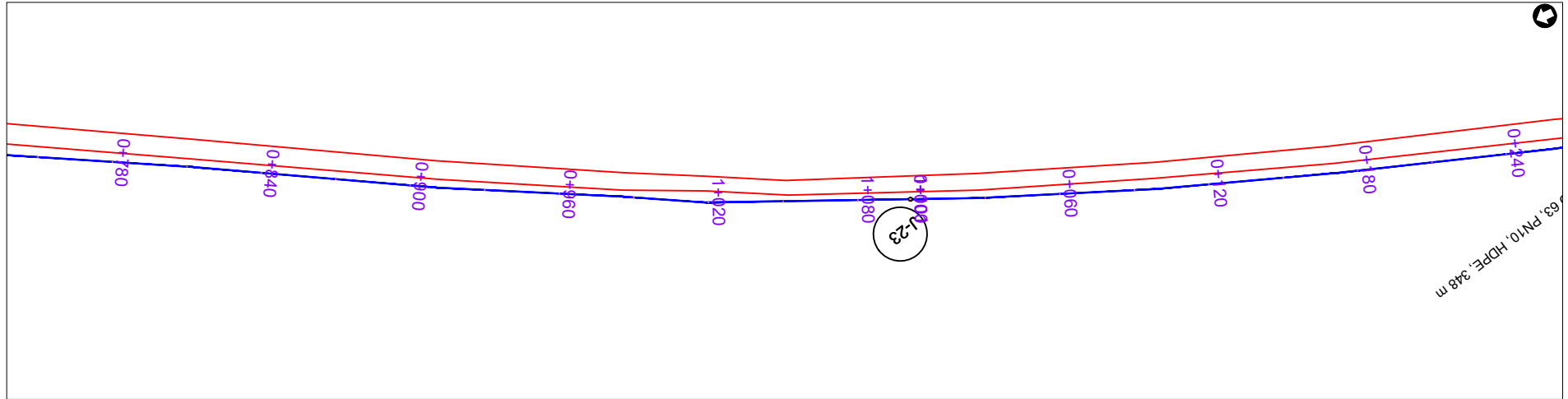
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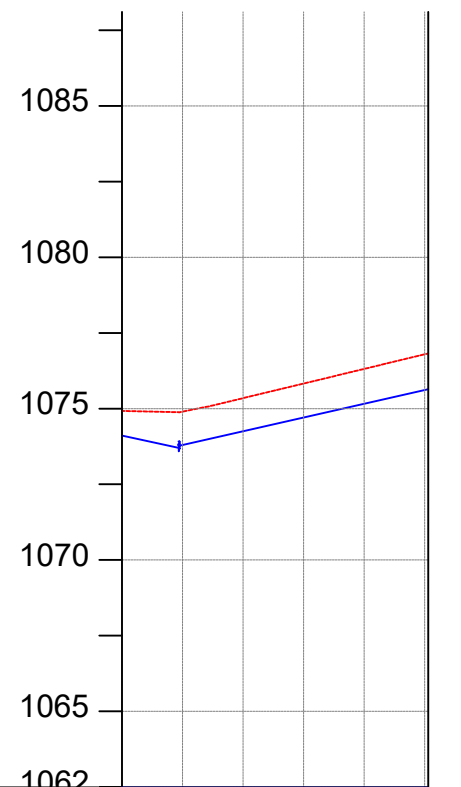
Drawing Title:

BUSOLWE TOWN
DL-41 (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	Drawing No.: IWMDP/MBA/DL-41 (CH 0+500.00 - 1+000.00)
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	1+000		1+040		1+080	1+101
GROUND LEVEL(m)	1074.924	1074.901	1075.345	1075.828	1076.311	1076.824
PIPE DETAILS	P-29, OD 75, PN10, HDPE, 1101 m					
PIPE INVERT(m)	1073.824	1073.801	1074.245	1074.728	1075.211	1075.694

AMENDMENTS

No	Date	Revision

NOTES

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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 BUTALEJA AND BUSOLWE

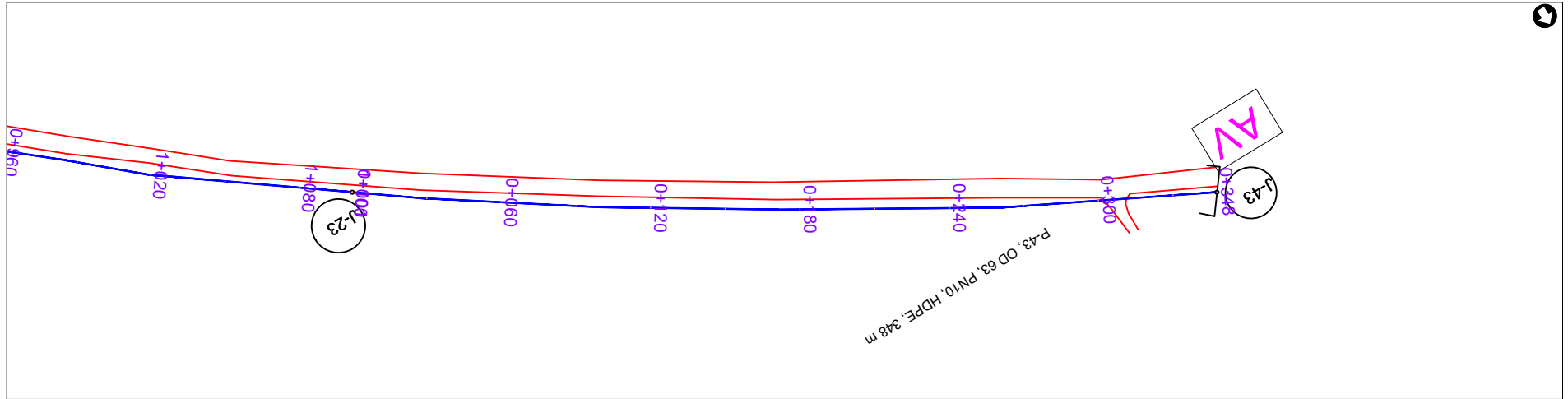
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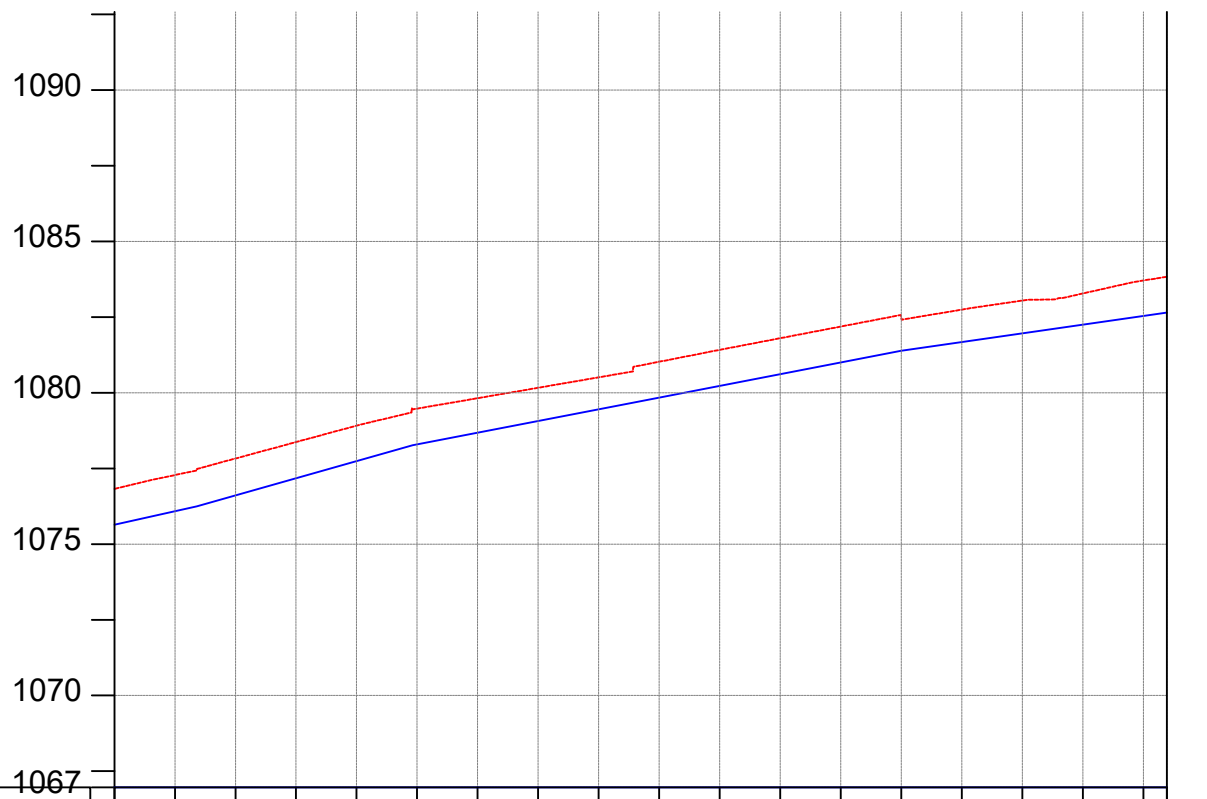
Drawing Title:

BUSOLWE TOWN
DL-41 (CH 1+000.00 - 1+101.23)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL-41 (CH 1+000.00 - 1+101.23)
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+160		0+200		0+240		0+280		0+320	0+348
GROUND LEVEL(m)	1076.824	1077.282	1077.828	1078.371	1078.912	1079.475	1079.820	1080.165	1080.509	1081.024	1081.417	1081.802	1082.187	1082.477	1082.746	1083.045	1083.280	1083.709
PIPE DETAILS	P-43, OD 63, PN10, HDPE, 348 m																	
PIPE INVERT(m)	1075.724	1076.182	1076.728	1077.271	1077.812	1078.375	1078.720	1079.065	1079.409	1079.924	1080.317	1080.702	1081.087	1081.377	1081.646	1081.945	1082.180	1082.609

AMENDMENTS

No	Date	Revision

NOTES

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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 BUTALEJA AND BUSOLWE

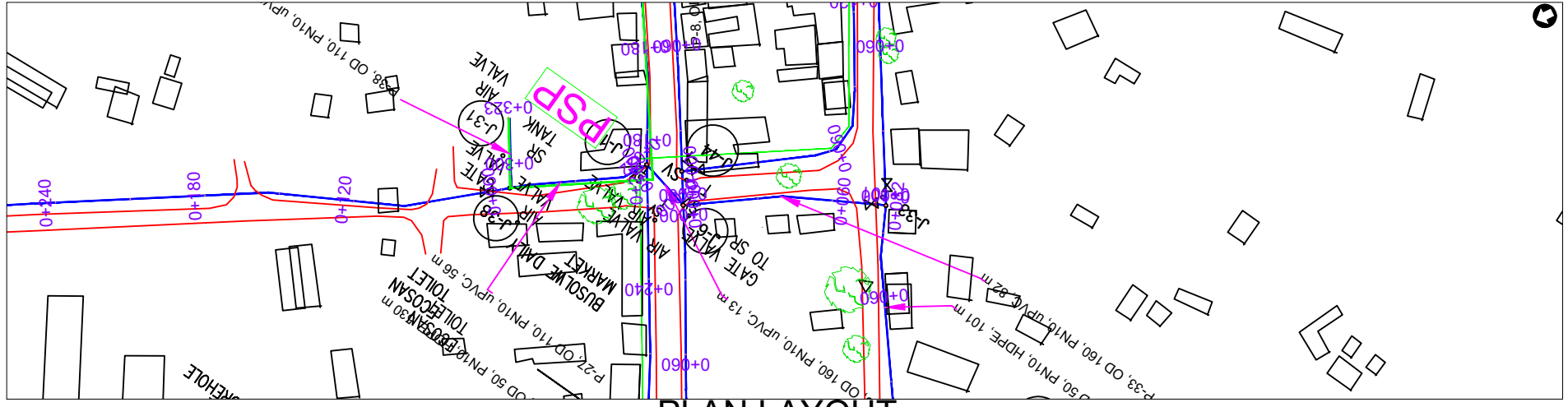
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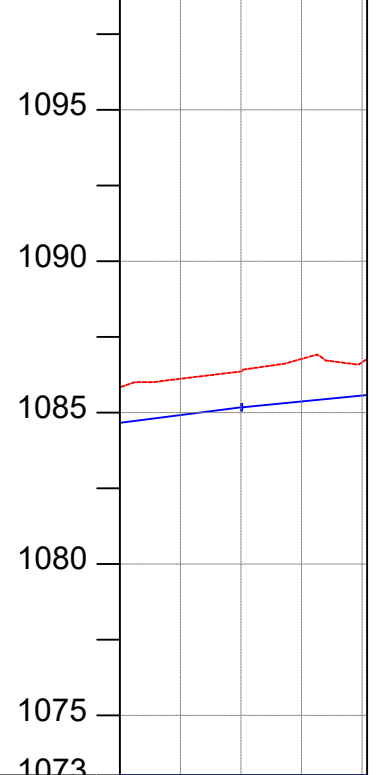
Drawing Title:

BUSOLWE TOWN
DL-42 (CH 0+000.00 - 0+347.77)

Drawn by : Eria Kamegero	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL-42 (CH 0+000.00 - 0+347.77)
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+082
GROUND LEVEL(m)	1085.843	1086.117	1086.773
PIPE DETAILS	P-33, OD 160, PN10, uPVC, 82 m		
PIPE INVERT(m)	1084.743	1085.017	1085.673

AMENDMENTS		
No	Date	Revision

- NOTES**
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 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 BUTALEJA AND BUSOLWE

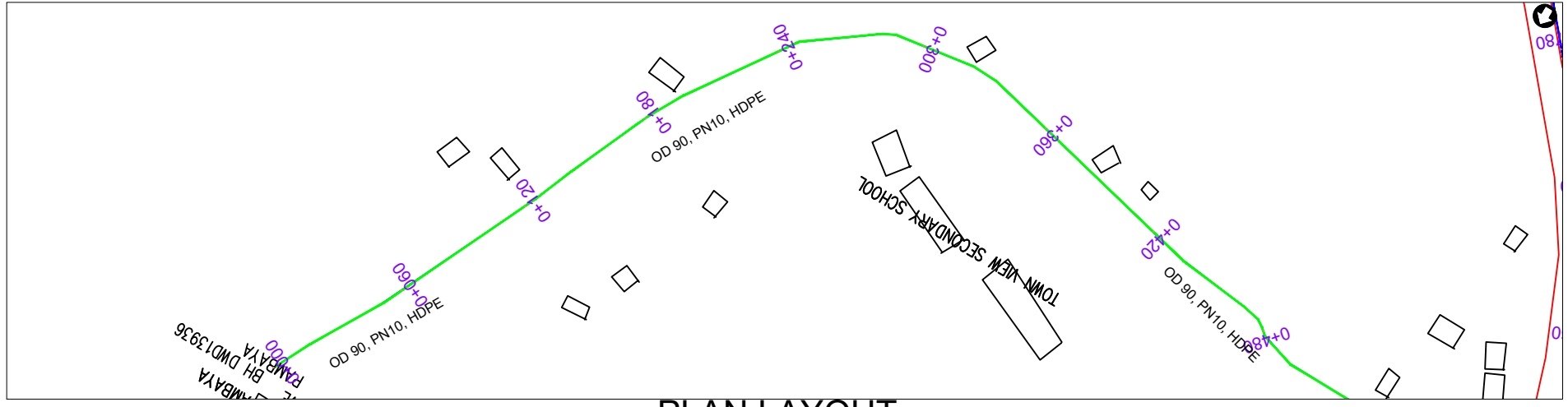
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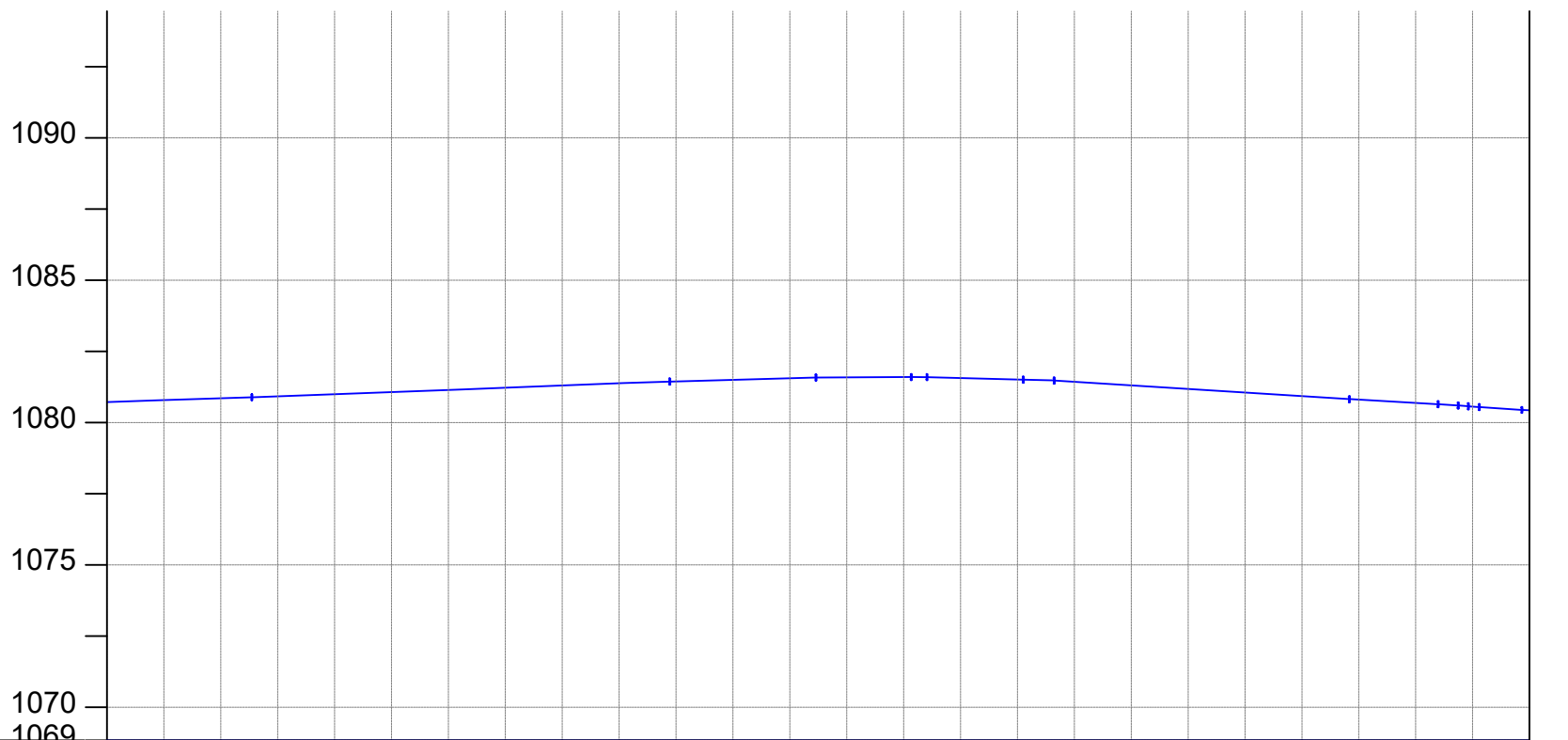


Drawing Title:
BUSOLWE TOWN
DL-43 (CH 0+000.00 - 0+081.67)

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/DL-43 (CH 0+000.00 - 0+081.67)	
Sheet No.: 1	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)														
PIPE DETAILS	OD 90, PN10, HDPE													
PIPE INVERT(m)														

AMENDMENTS

No	Date	Revision

- NOTES**
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 - 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

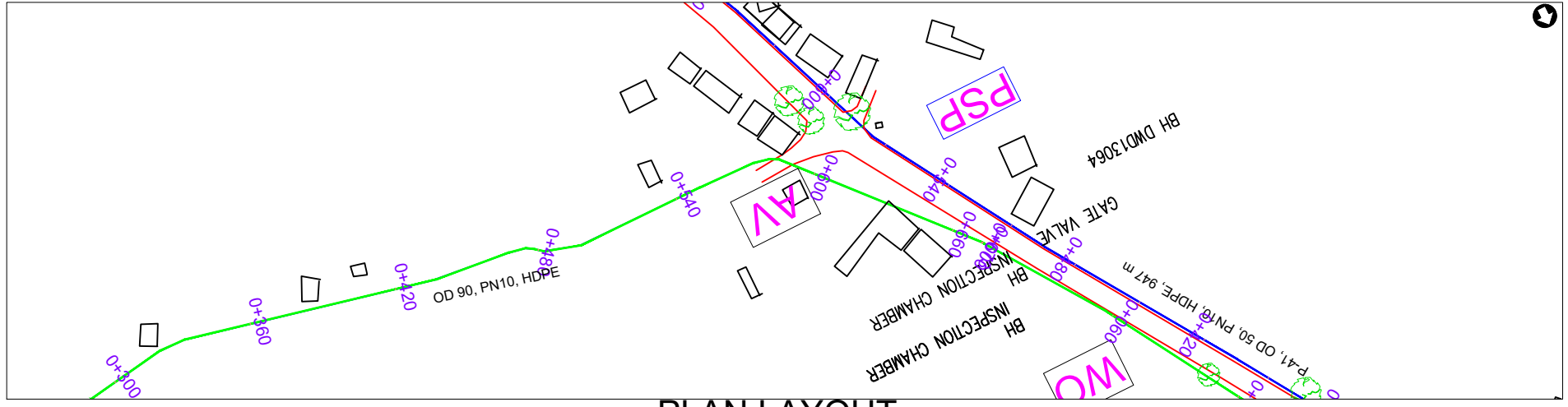
MINISTRY OF WATER AND ENVIRONMENT

PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUTALEJA AND BUSOLWE

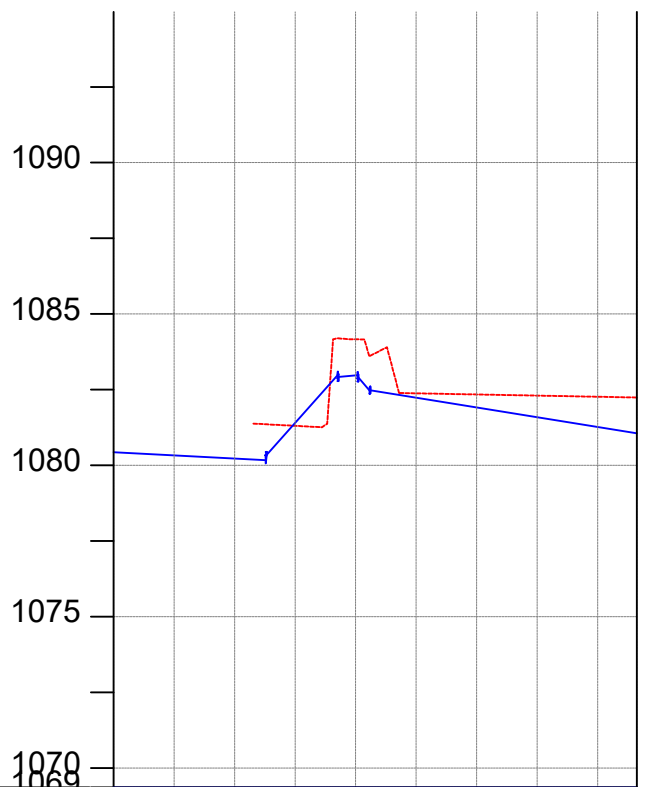
CONSULTANT:

Drawing Title:
BUSOLWE TOWN
ETL-01 (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/ETL-01 (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+673				
GROUND LEVEL(m)			1081.305	1084.162	1082.379	1082.341	1082.304	1082.266	1082.241	
PIPE DETAILS	OD 90, PN10, HDPE									
PIPE INVERT(m)			1080.205	1083.062	1081.279	1081.241	1081.204	1081.166	1081.141	

AMENDMENTS

No	Date	Revision

- NOTES**
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 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
	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 BUTALEJA AND BUSOLWE

CONSULTANT:

Drawing Title:

BUSOLWE TOWN
ETL-01 (CH 0+500.00 - 0+672.92)

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/ETL-01 (CH 0+500.00 - 0+672.92)	
Sheet No.: 2	Format: A3