

REPUBLIC OF UGANDA



**VOLUME 4-1: BOOK OF DRAWINGS
(BUDAKA DISTRIBUTION)**

INTEGRATED WATER MANAGEMENT AND DEVELOPMENT PROJECT (IWMDP)

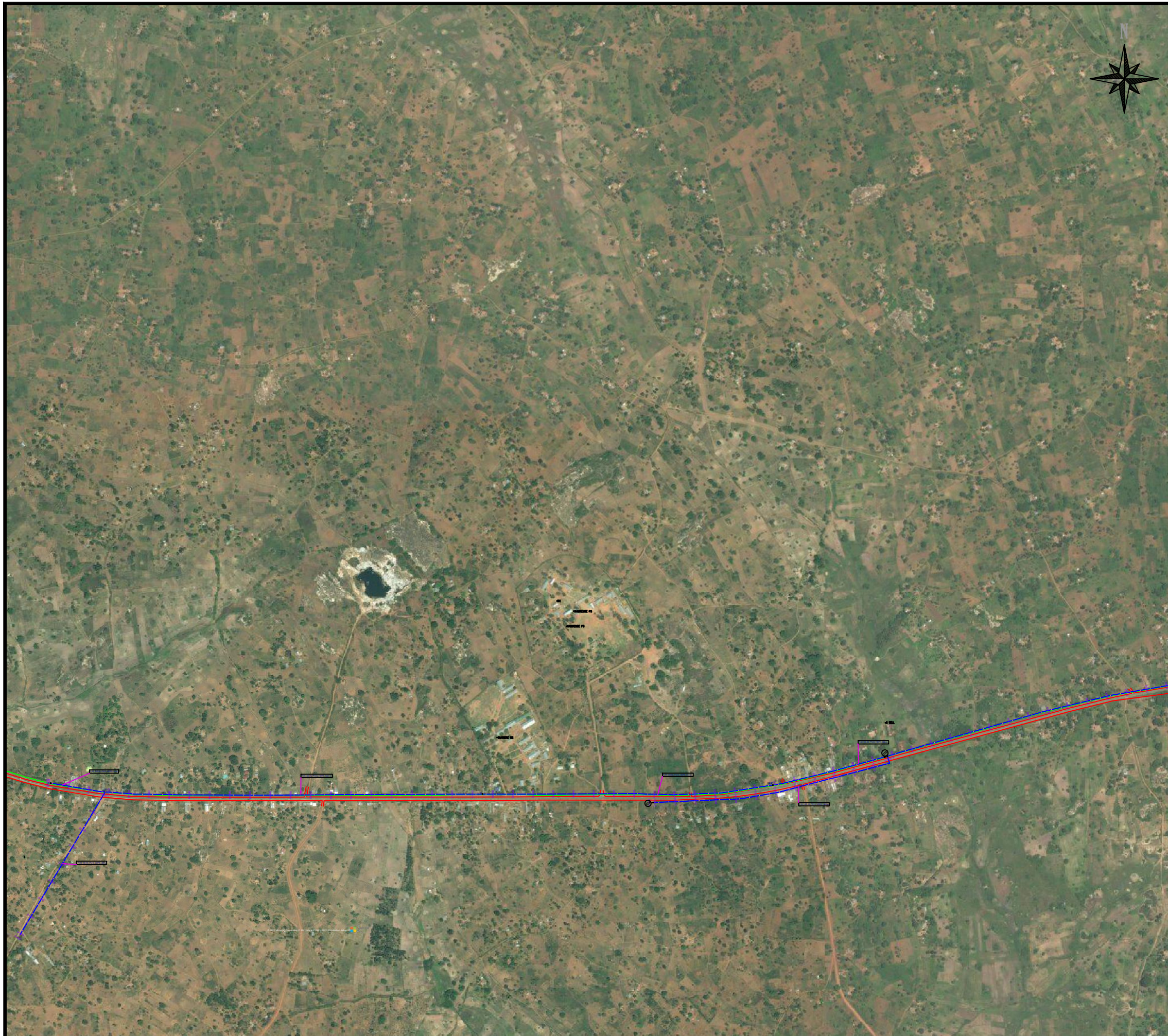
**CONSTRUCTION OF TIRINYI, KIBUKU, KADAMA BUDAKA WATER SUPPLY
AND SANITATION SYSTEM**

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

SUBMITTED BY:



JUNE 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

REPUBLIC OF UGANDA

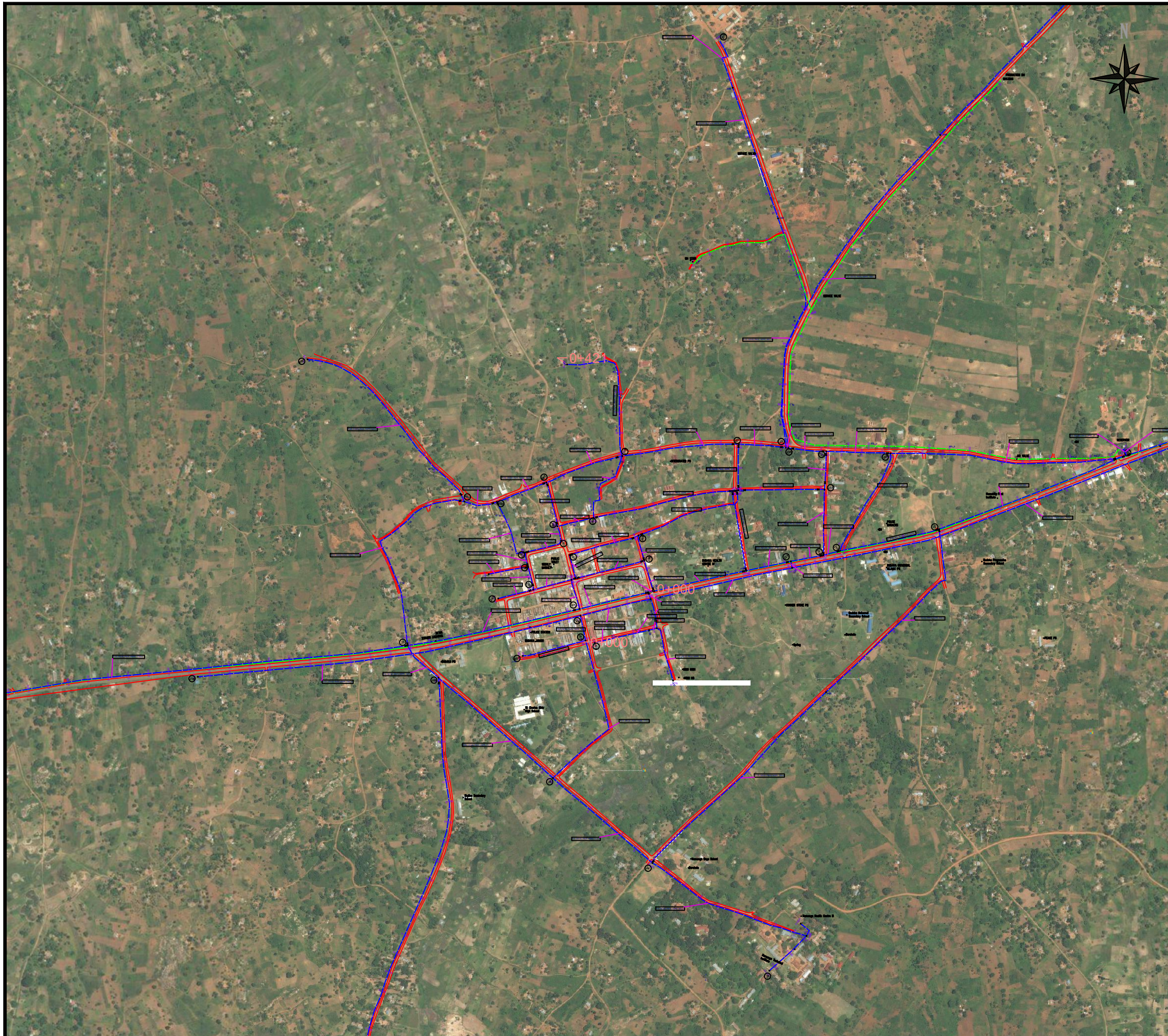
MINISTRY OF WATER AND ENVIRONMENT

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

CONSULTANT:

Drawing Title:
BUDAKA 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-006	
Sheet No.: 1/4	Format: A3



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

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

CONSULTANT:

Drawing Title:
BUDAKA DISTRIBUTION NETWORK

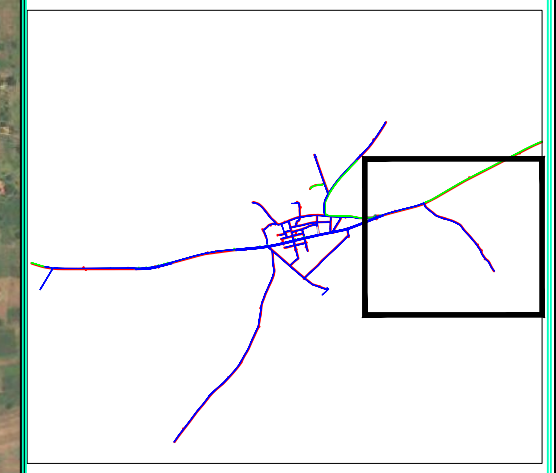
Drawn by : Andrew Turyakira	Approved by:
Checked by: Dr. Ronald Musenze	Dongwoon OH
Scale: As Indicated	Date: November 2021
Drawing No.: IWMDP/MBA/ 8-L-006	
Sheet No.: 2/4	Format: A3



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



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MINISTRY OF WATER AND ENVIRONMENT

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

CONSULTANT:





Drawing Title: BUDAKA DISTRIBUTION NETWORK

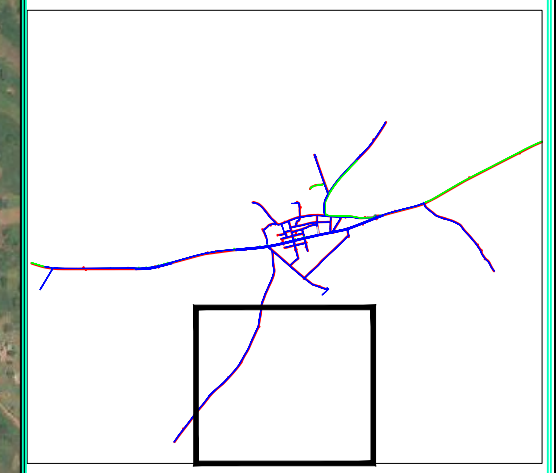
Drawn by : Andrew Turyakira	Approved by:
Checked by: Dr. Ronald Musenze	Dongwoon OH
Scale: As Indicated	Date: November 2021
Drawing No.: IWMDP/MBA/ 8-L-006	
Sheet No.: 3/4	Format: A3



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
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	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 BUDAKA, KADAMA, KIBUKU AND TIRINYI

CONSULTANT:



Drawing Title: BUDAKA 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-006	
Sheet No.: 4/4	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
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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 BUDAKA, KADAMA, KIBUKU & TIRINYI

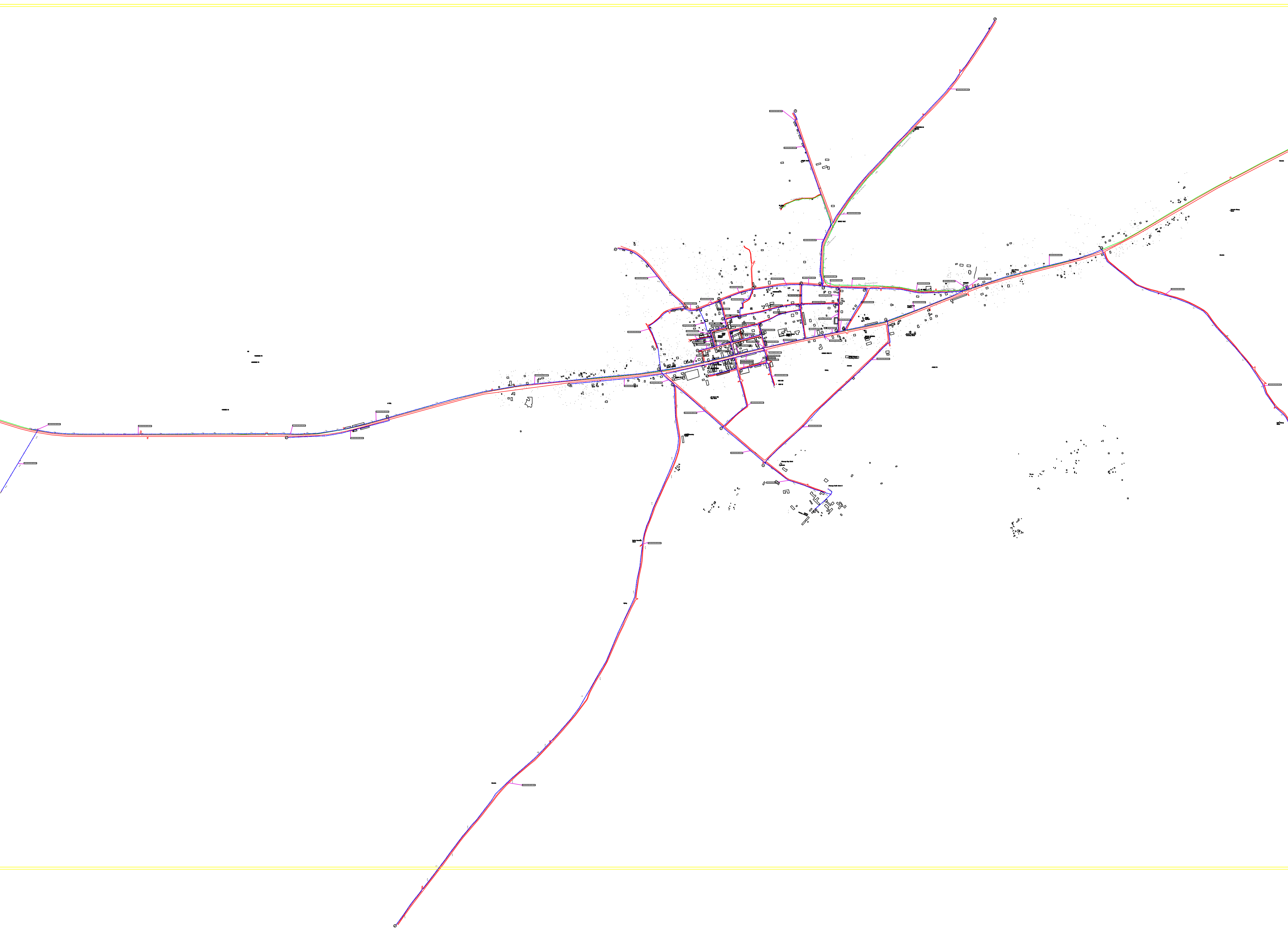
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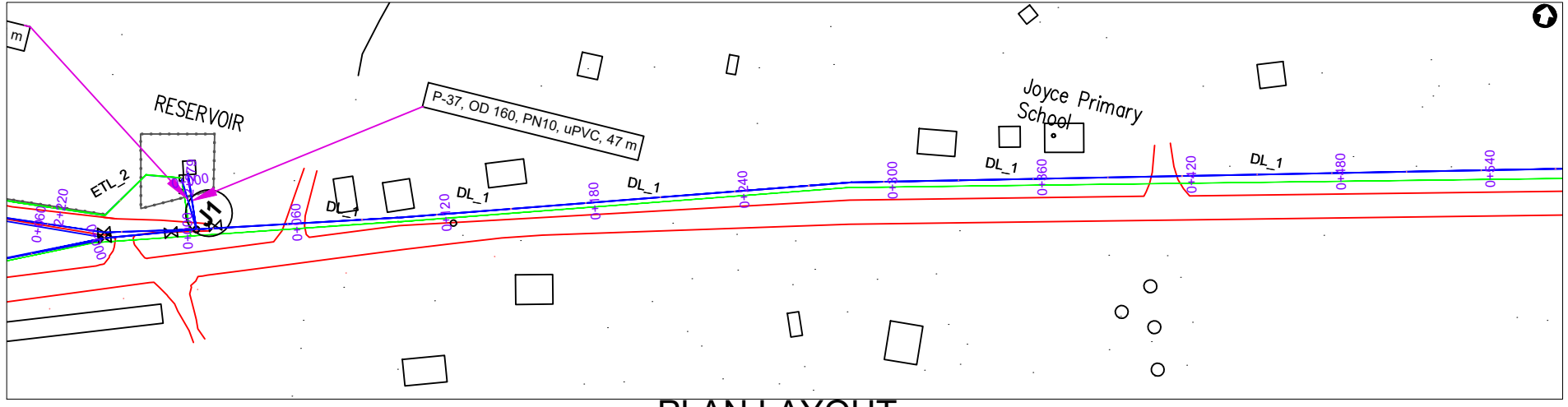


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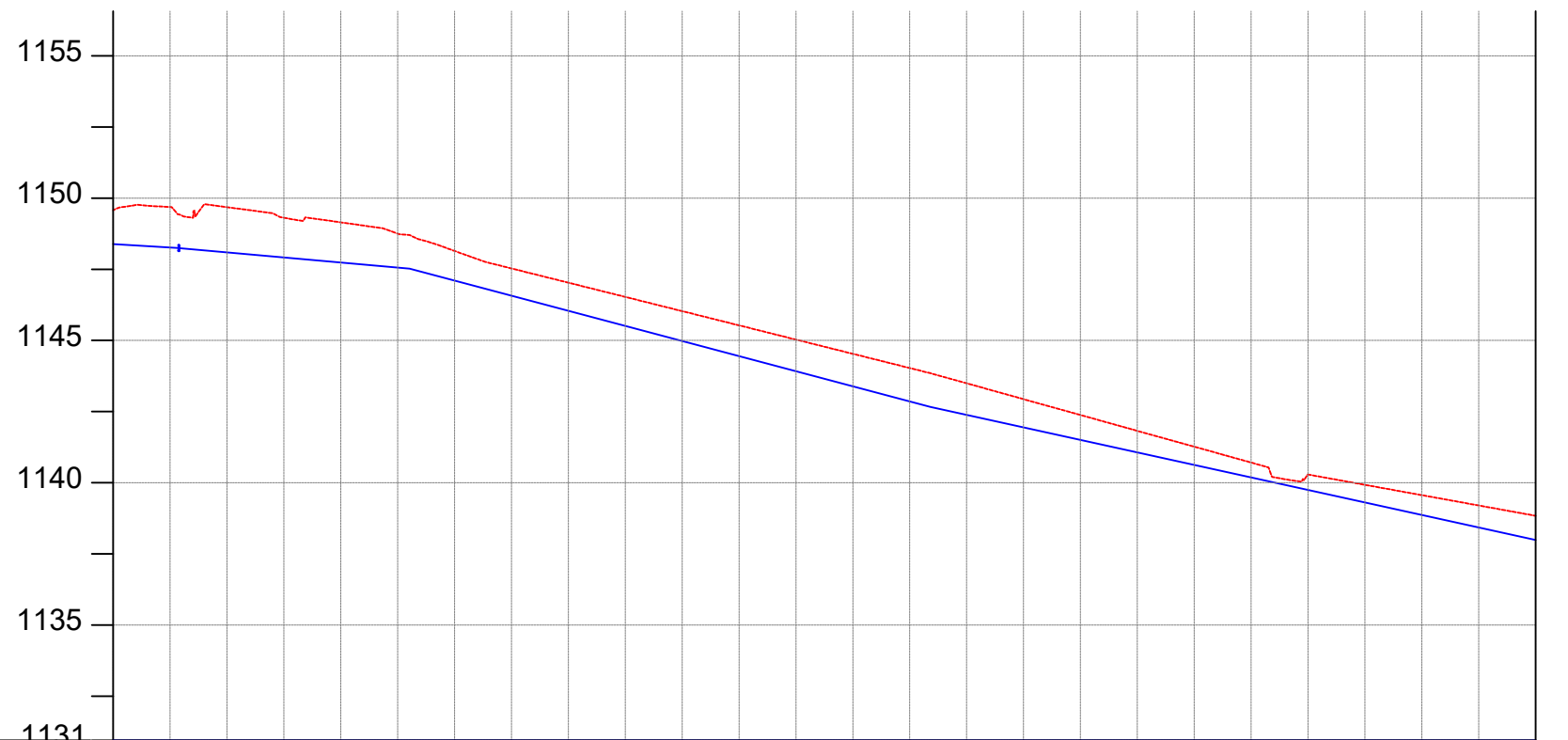
**BUDAKA TOWN
GENERAL LAYOUT**

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	
Drawing No.: IWMDP/MBA/BUD/001	
Sheet No.: 1	Format: A2





PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+160		0+200		0+240		0+280		0+320		0+360		0+400		0+440		0+480		0+500
GROUND LEVEL(m)	1149.570	1149.687	1149.683	1149.309	1149.149	1148.753	1148.145	1147.529	1147.029	1146.529	1146.030	1145.530	1145.030	1144.530	1144.030	1143.494	1142.937	1142.380	1141.824	1141.267	1140.710	1140.290	1139.927	1139.565	1139.202	1138.840	1138.840
PIPE DETAILS	OD 160, PN10, UPVC												OD 63, PN10, HDPE														
PIPE INVERT(m)	1148.470	1148.587	1148.583	1148.209	1148.049	1147.653	1147.045	1146.429	1145.929	1145.429	1144.930	1144.430	1143.930	1143.430	1142.930	1142.394	1141.837	1141.280	1140.724	1140.167	1139.610	1139.190	1138.827	1138.465	1138.102	1137.740	1137.740

AMENDMENTS

No	Date	Revision

- NOTES**
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 - For Site location see Dwg. MB/W/0.0.0
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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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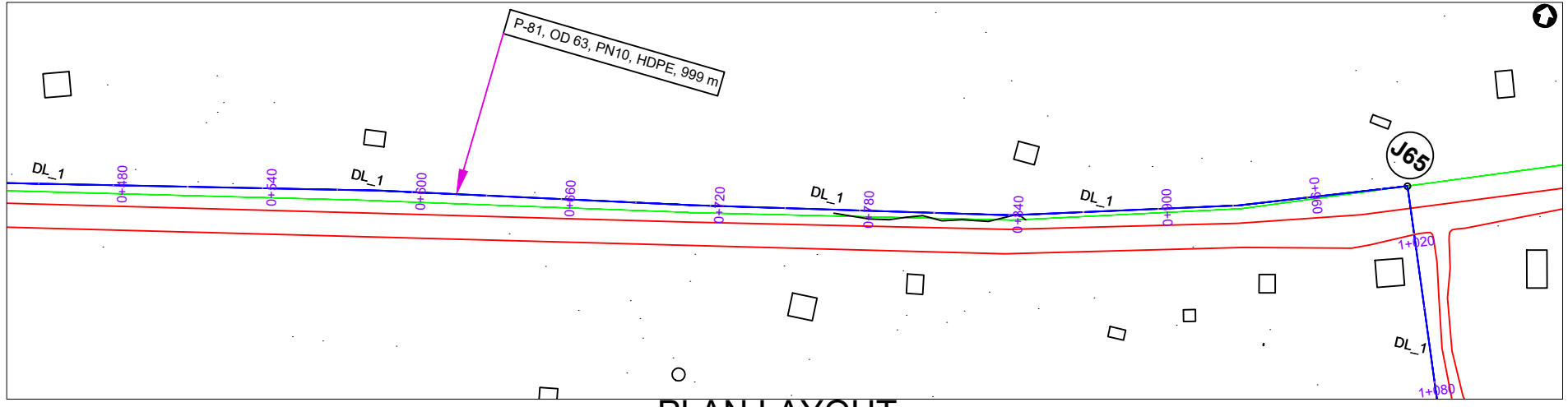
MINISTRY OF WATER AND ENVIRONMENT

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

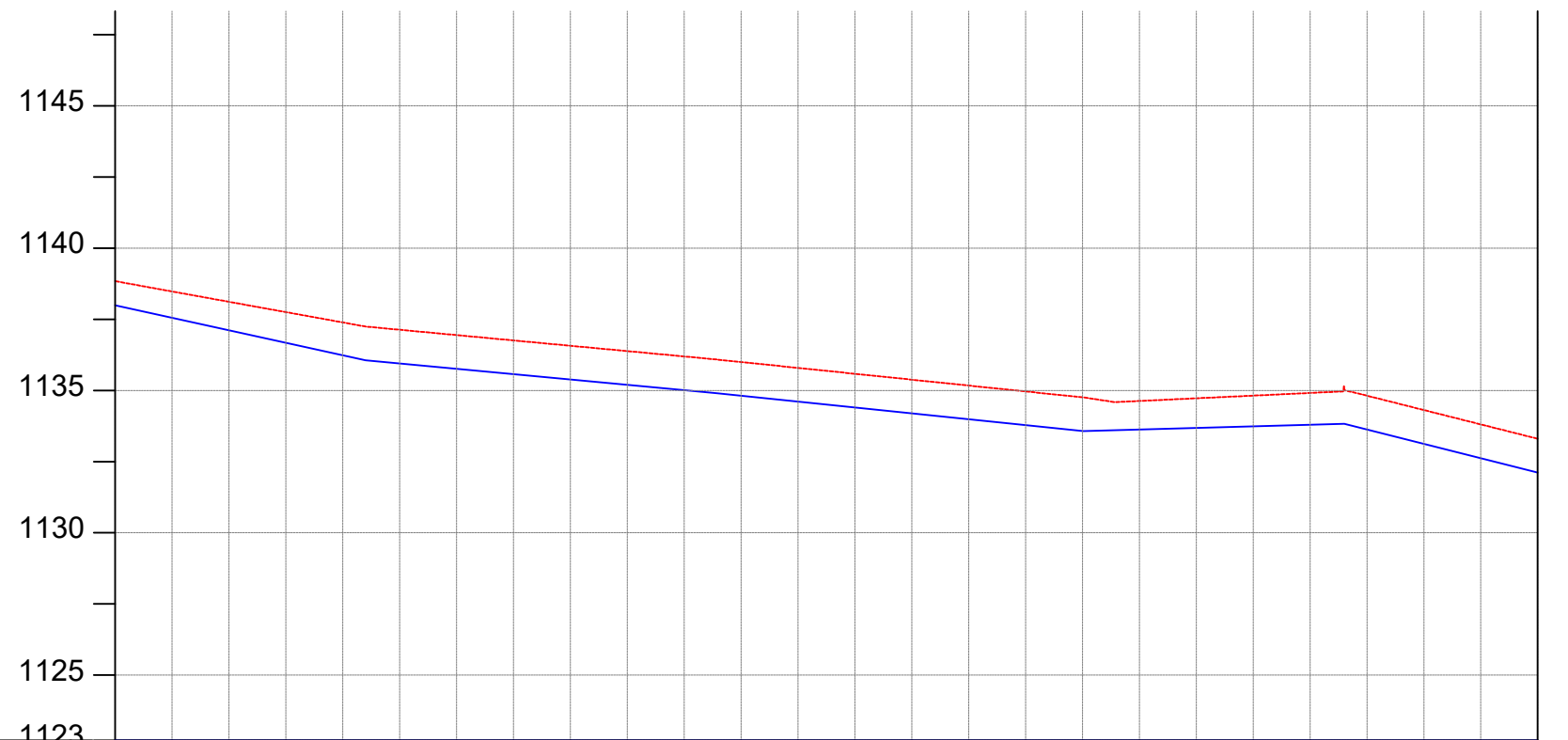
CONSULTANT:

Drawing Title:
DL_1 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_1 (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)	1138.840	1138.477	1138.115	1137.752	1137.390	1137.132	1136.945	1136.757	1136.570	1136.382	1136.195	1135.999	1135.792	1135.586	1135.379	1135.172	1134.966	1134.759	1134.631	1134.724	1134.818	1134.912	1134.817	1134.312	0+960	1133.808	1133.303	1+000
PIPE DETAILS	OD 63, PN10, HDPE																											
PIPE INVERT(m)	1137.740	1137.377	1137.015	1136.652	1136.290	1136.032	1135.845	1135.657	1135.470	1135.282	1135.095	1134.899	1134.692	1134.486	1134.279	1134.072	1133.866	1133.659	1133.531	1133.624	1133.718	1133.812	1133.717	1133.212	1132.708	1132.203		

AMENDMENTS

No	Date	Revision

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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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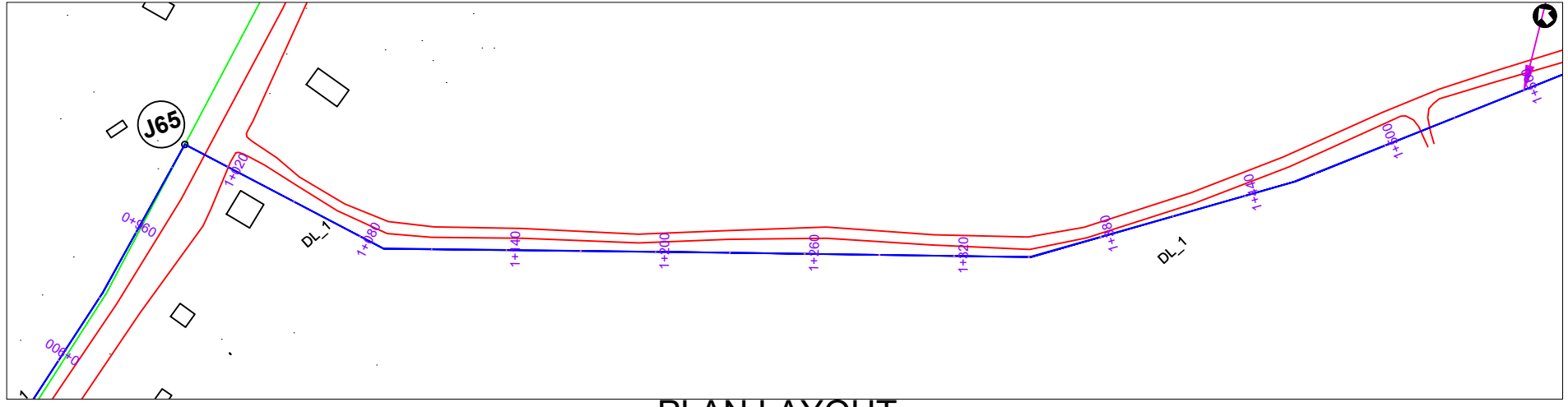
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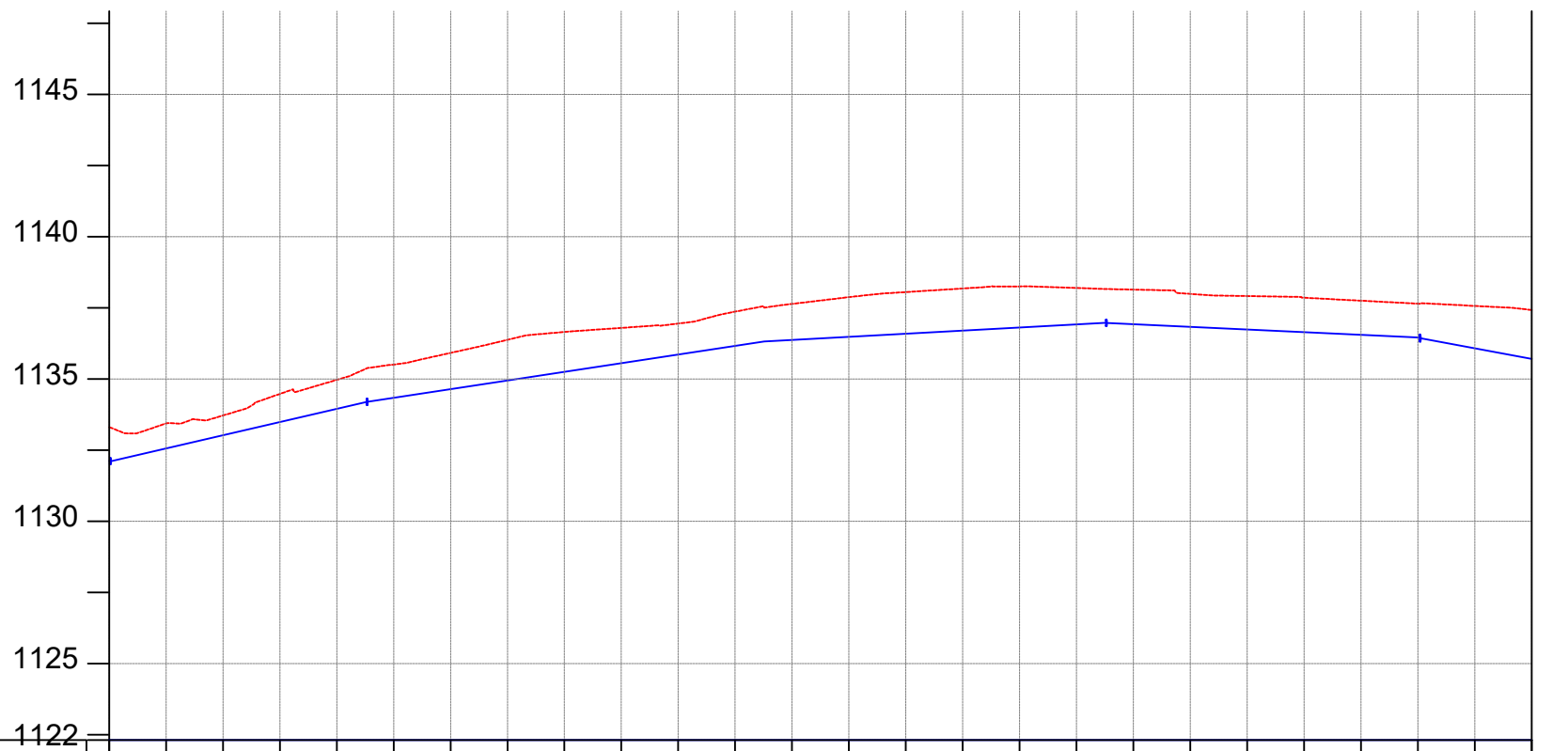
Drawing Title:

DL_1 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_1 (CH 0+500.00 - 1+000.00)	
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	1+000		1+040		1+080		1+120		1+160		1+200		1+240		1+280		1+320		1+360		1+400		1+440		1+480	1+500		
GROUND LEVEL(m)	1133.303	1133.437	1133.717	1134.475	1134.969	1135.508	1135.918	1136.377	1136.654	1136.795	1136.948	1137.367	1137.639	1137.876	1138.055	1138.180	1138.253	1138.198	1138.141	1137.991	1137.914	1137.856	1137.751	1137.647	1137.567	1137.425		
PIPE DETAILS	OD 63, PN10, HDPE																											
PIPE INVERT(m)	1132.203	1132.337	1132.617	1133.375	1133.869	1134.408	1134.818	1135.277	1135.554	1135.695	1135.848	1136.267	1136.539	1136.776	1136.955	1137.080	1137.153	1137.098	1137.041	1136.891	1136.814	1136.756	1136.651	1136.547	1136.467	1136.325		

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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

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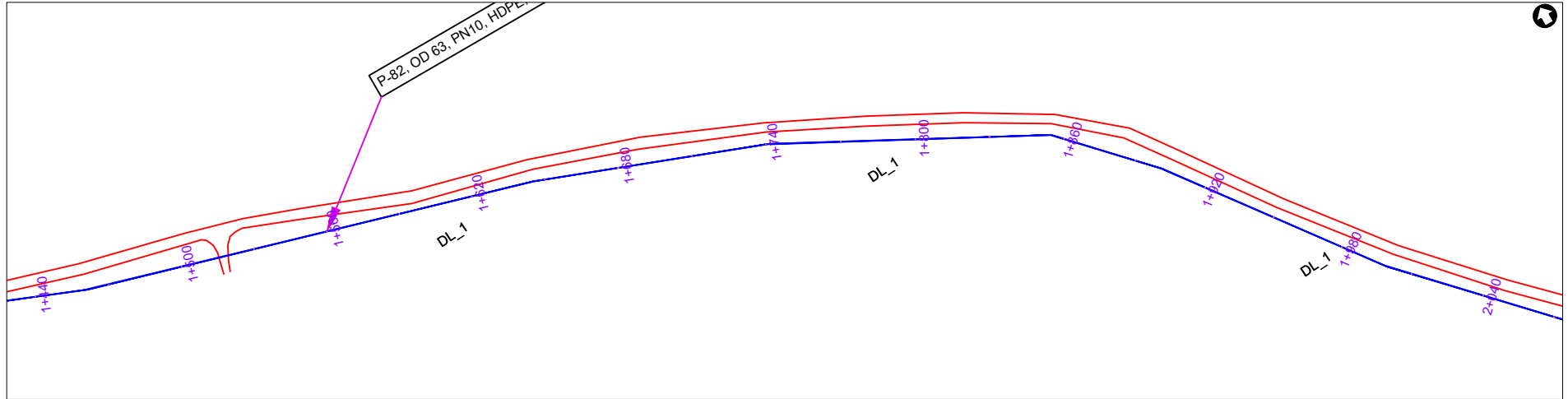
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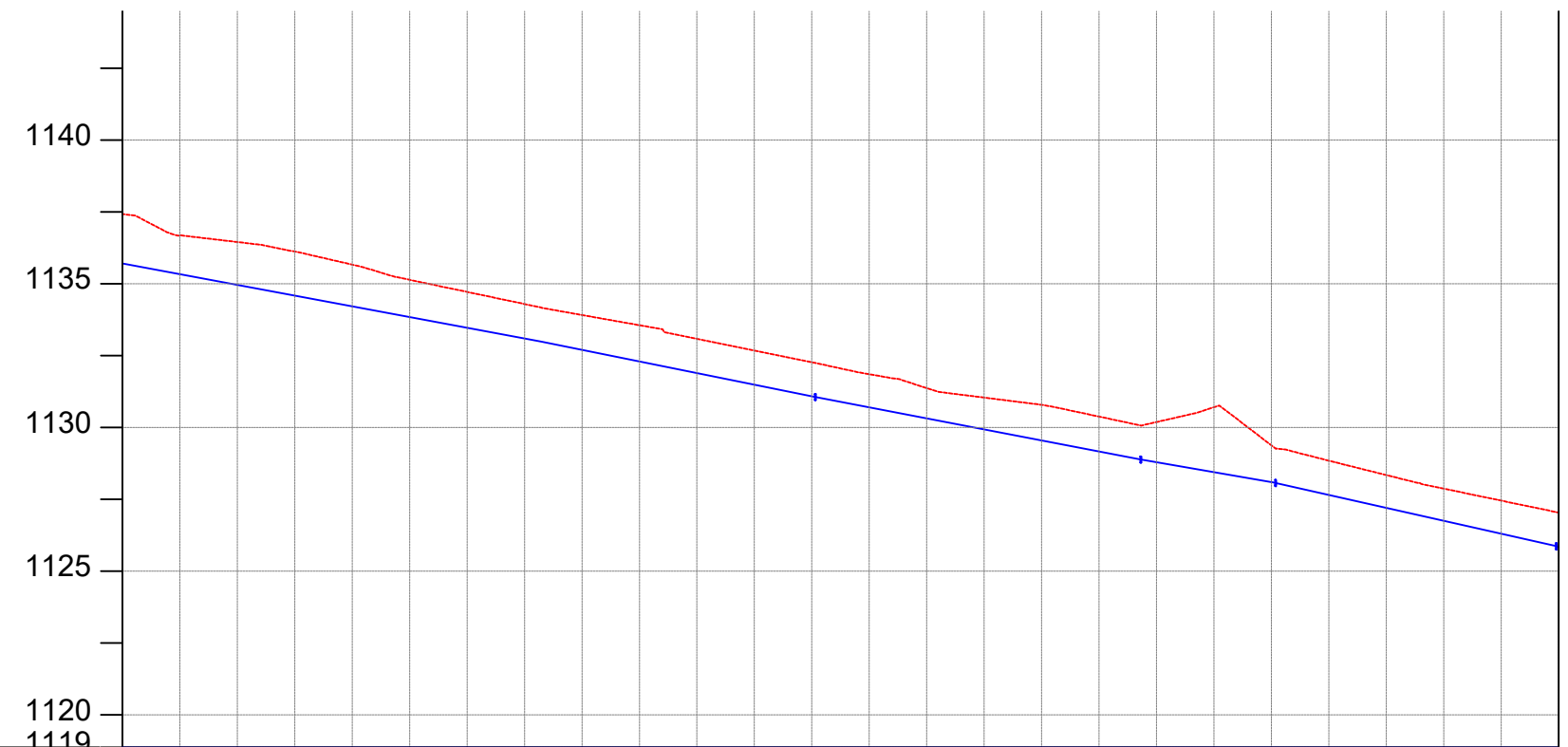
Drawing Title:

DL_1 (CH 1+000.00 - 1+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_1 (CH 1+000.00 - 1+500.00)	
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	1+500	1+520		1+560		1+600		1+640		1+680		1+720		1+760		1+800		1+840		1+880		1+920		1+960		2+000		
GROUND LEVEL(m)	1137.425	1136.682	1136.453	1136.123	1135.666	1135.138	1134.717	1134.295	1133.913	1133.558	1133.085	1132.677	1132.269	1131.853	1131.366	1131.039	1130.787	1130.378	1130.187	1130.703	1129.377	1128.842	1128.343	1127.870	1127.453	1127.035		
PIPE DETAILS	OD 63, PN10, HDPE																											
PIPE INVERT(m)	1136.325	1135.582	1135.353	1135.023	1134.566	1134.038	1133.617	1133.195	1132.813	1132.458	1131.985	1131.577	1131.169	1130.753	1130.266	1129.939	1129.687	1129.278	1129.087	1129.603	1128.277	1127.742	1127.243	1126.770	1126.353	1125.935		

AMENDMENTS

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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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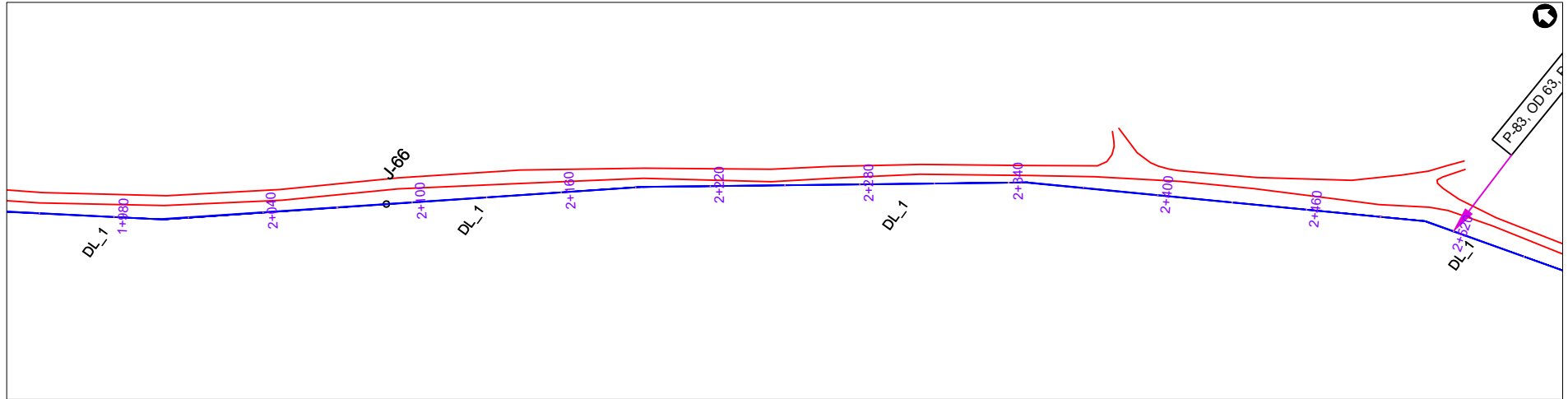
CONSULTANT:



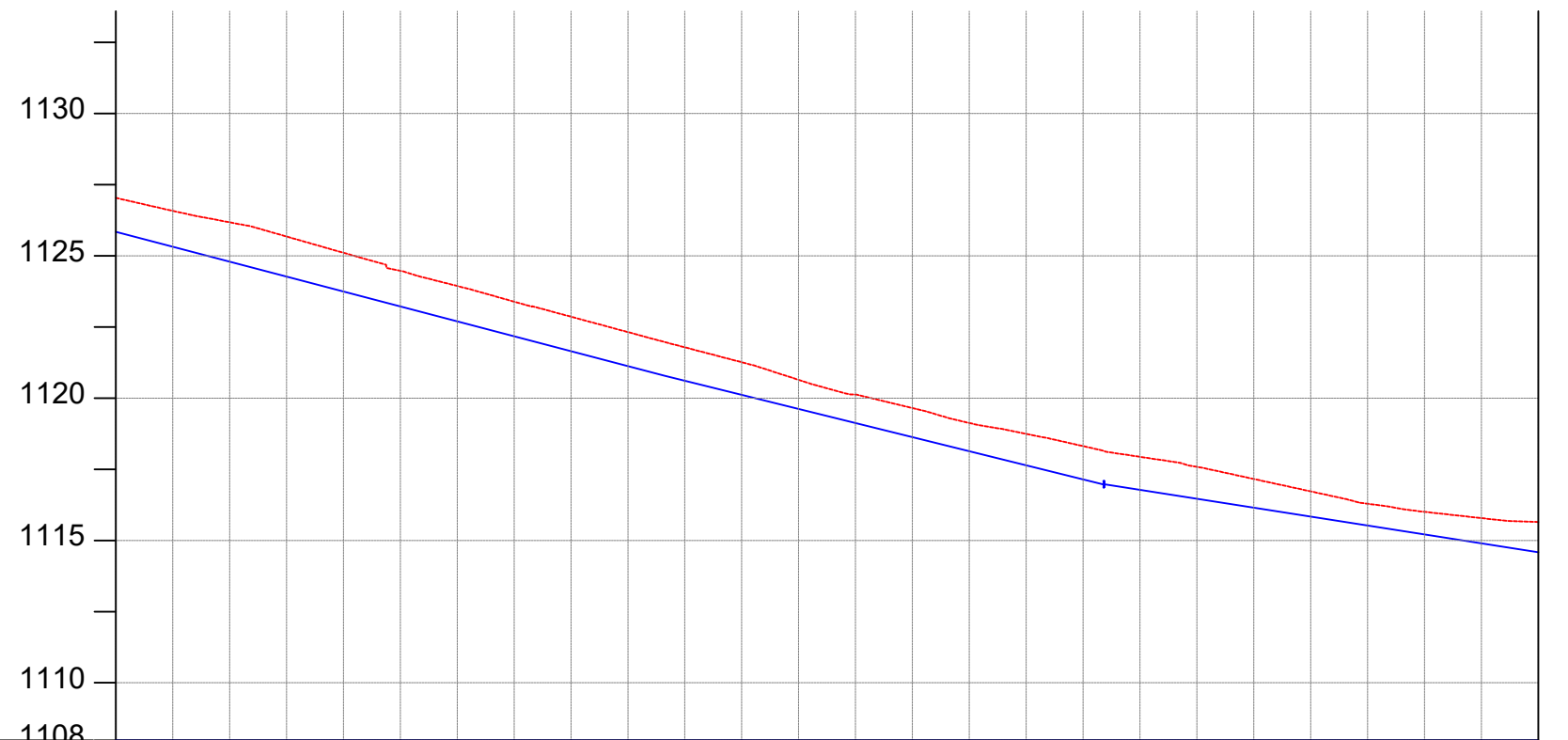
Drawing Title:

DL_1 (CH 1+500.00 - 2+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_1 (CH 1+500.00 - 2+000.00)	
Sheet No.: 4	Format: A3



PLAN LAYOUT



CHAINAGE	2+000		2+040		2+080		2+120		2+160		2+200		2+240		2+280		2+320		2+360		2+400		2+440		2+480	2+500		
GROUND LEVEL(m)	1127.035	1126.579	1126.176	1125.678	1125.107	1124.475	1123.940	1123.388	1122.860	1122.320	1121.785	1121.261	1120.642	1120.123	1119.652	1119.127	1118.746	1118.314	1117.938	1117.584	1117.160	1116.724	1116.290	1116.005	1115.785	1115.646		
PIPE DETAILS	OD 63, PN10, HDPE																											
PIPE INVERT(m)	1125.935	1125.479	1125.076	1124.578	1124.007	1123.375	1122.840	1122.288	1121.760	1121.220	1120.685	1120.161	1119.542	1119.023	1118.552	1118.027	1117.646	1117.214	1116.838	1116.484	1116.060	1115.624	1115.190	1114.905	1114.685	1114.546		

AMENDMENTS

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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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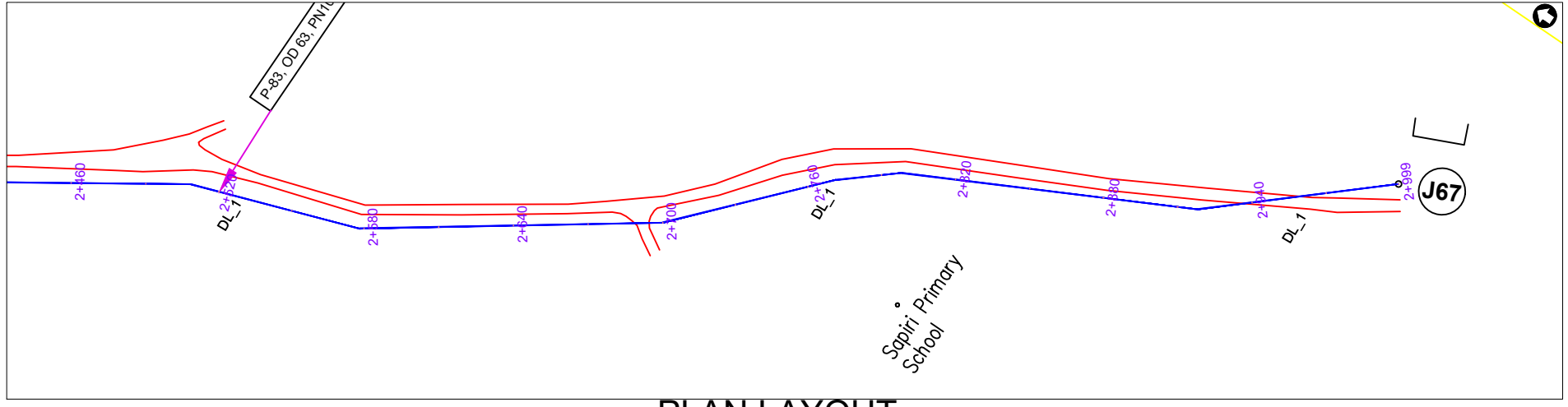
CONSULTANT:



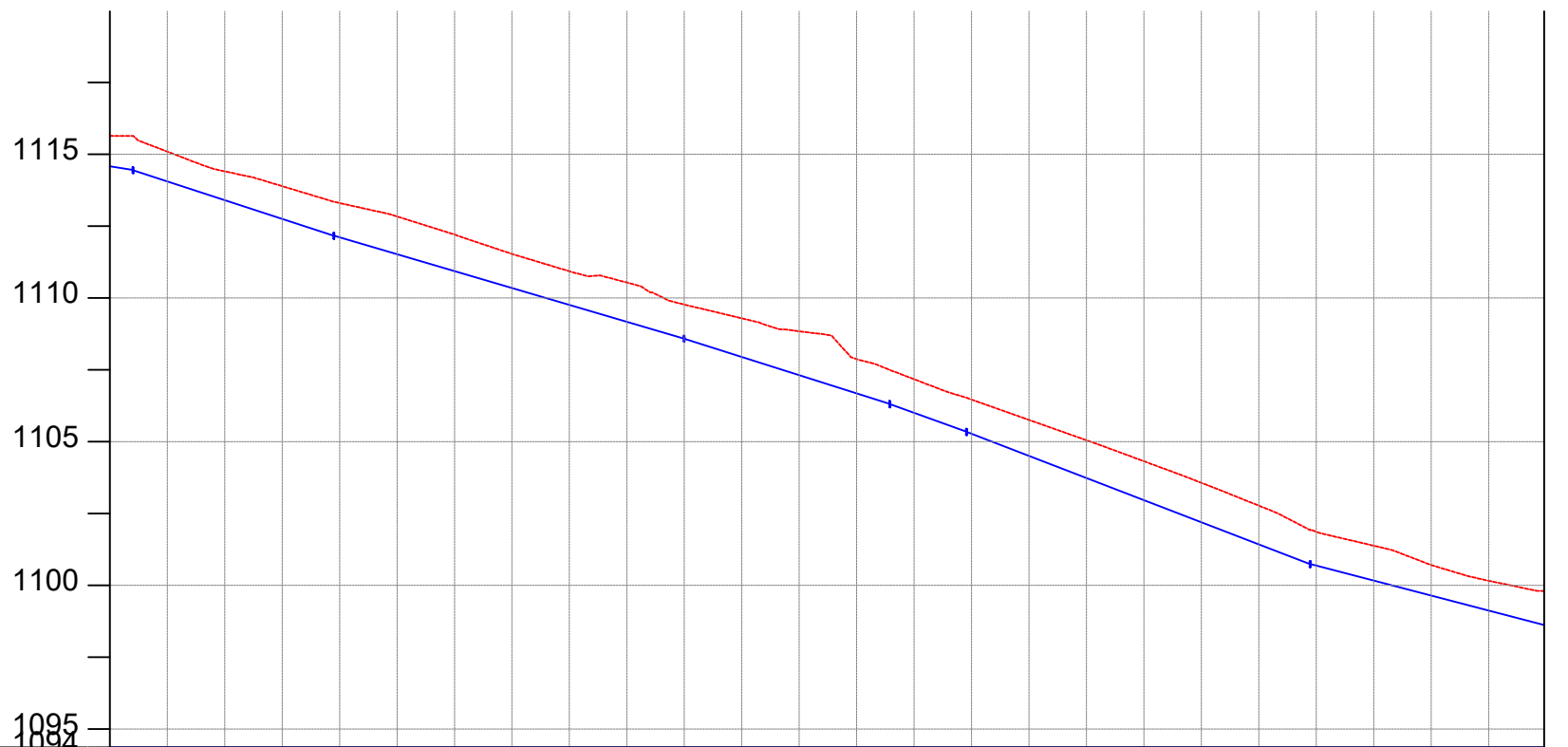
Drawing Title:

DL_1 (CH 2+000.00 - 2+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_1 (CH 2+000.00 - 2+500.00)	
Sheet No.: 5	Format: A3



PLAN LAYOUT



CHAINAGE	2+500	2+520		2+560		2+600	2+640		2+680		2+720		2+760		2+800		2+840		2+880		2+920	2+960	2+999		
GROUND LEVEL(m)	1115.646	1115.095	1114.407	1113.892	1113.304	1112.835	1112.207	1111.533	1110.929	1110.537	1109.769	1109.292	1108.842	1107.873	1107.172	1106.465	1105.756	1105.047	1104.318	1103.567	1102.773	1101.864	1101.378	1100.709	1100.157
PIPE DETAILS	OD 63, PN10, HDPE																								
PIPE INVERT(m)	1114.546	1113.995	1113.307	1112.792	1112.204	1111.735	1111.107	1110.433	1109.829	1109.437	1108.669	1108.192	1107.742	1106.773	1106.072	1105.365	1104.656	1103.947	1103.218	1102.467	1101.673	1100.764	1100.278	1099.609	1099.057

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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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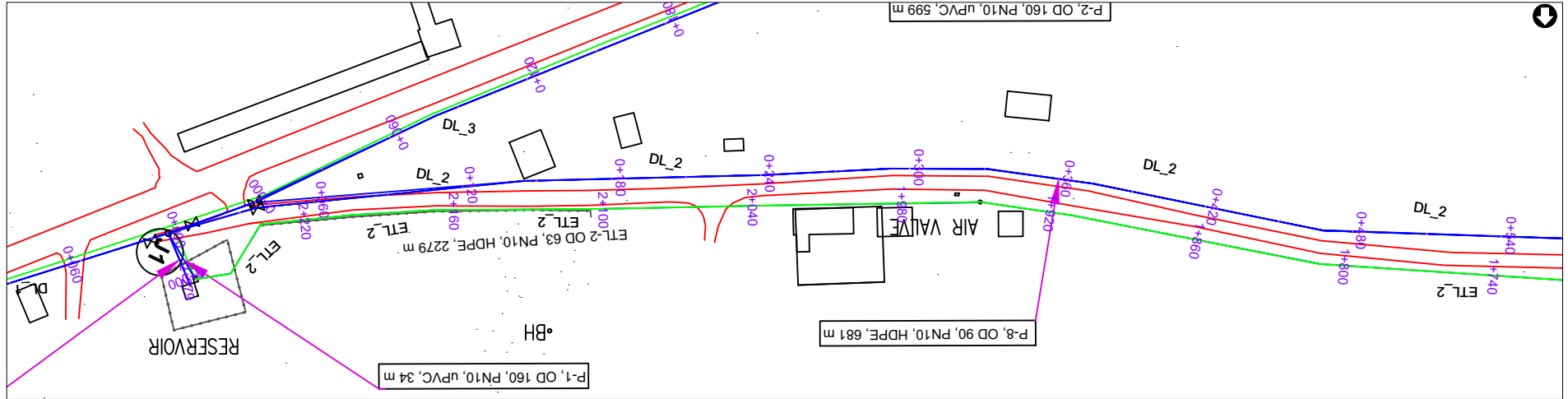
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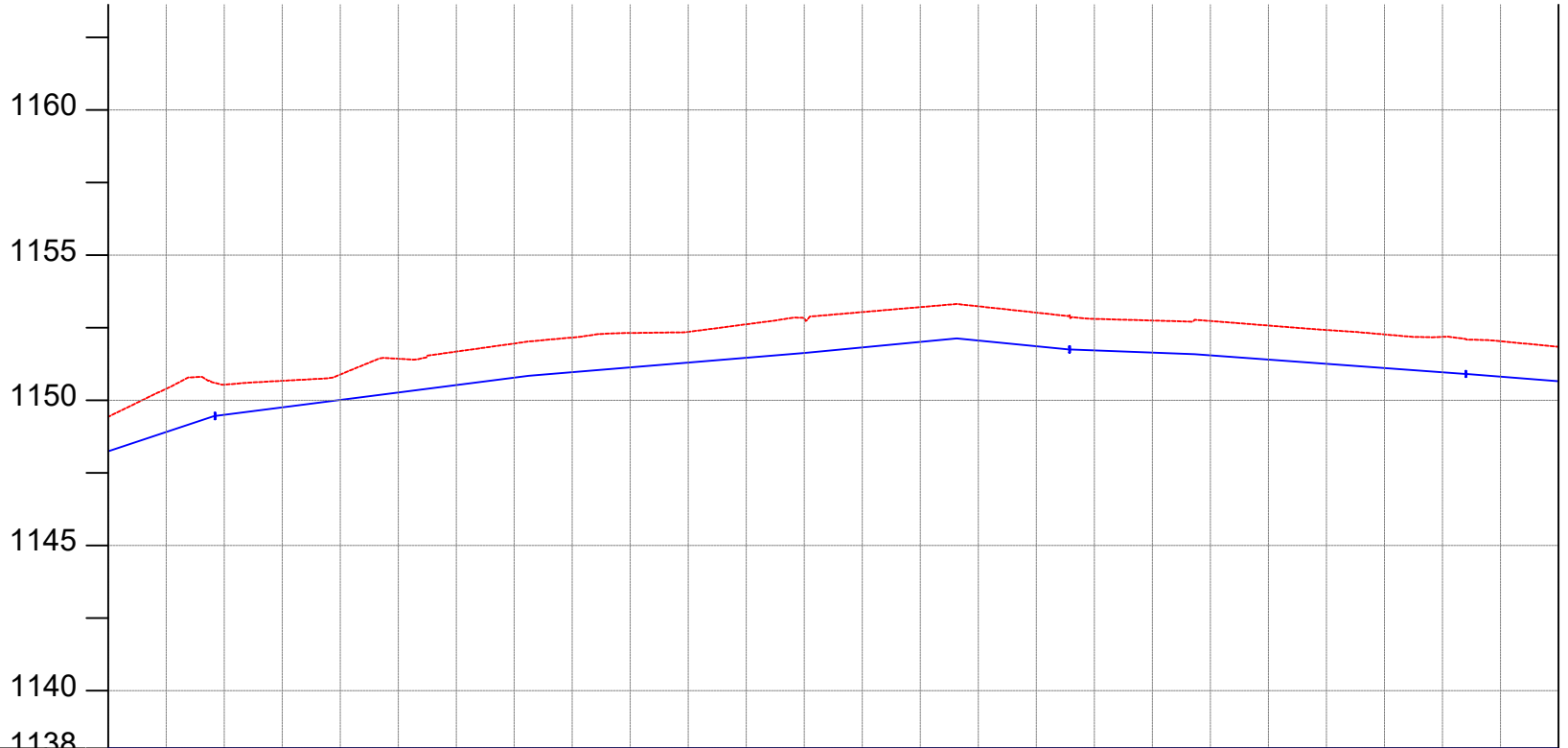
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DL_1 (CH 2+500.00 - 2+999.35)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_1 (CH 2+500.00 - 2+999.35)	
Sheet No.: 6	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)	1149.430	1150.394	1150.538	1150.670	1150.887	1151.431	1151.677	1151.956	1152.162	1152.318	1152.356	1152.618	1152.823	1153.038	1153.209	1153.237	1153.020	1152.804	1152.747	1152.732	1152.574	1152.421	1152.268	1152.184	1152.033	1151.843	1151.743	
PIPE DETAILS	OD 90, PN10, HDPE																											
PIPE INVERT(m)	1148.330	1149.294	1149.438	1149.570	1149.787	1150.331	1150.577	1150.856	1151.062	1151.218	1151.256	1151.518	1151.723	1151.938	1152.109	1152.137	1151.920	1151.704	1151.647	1151.632	1151.474	1151.321	1151.168	1151.084	1150.933			

AMENDMENTS		
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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

REPUBLIC OF UGANDA

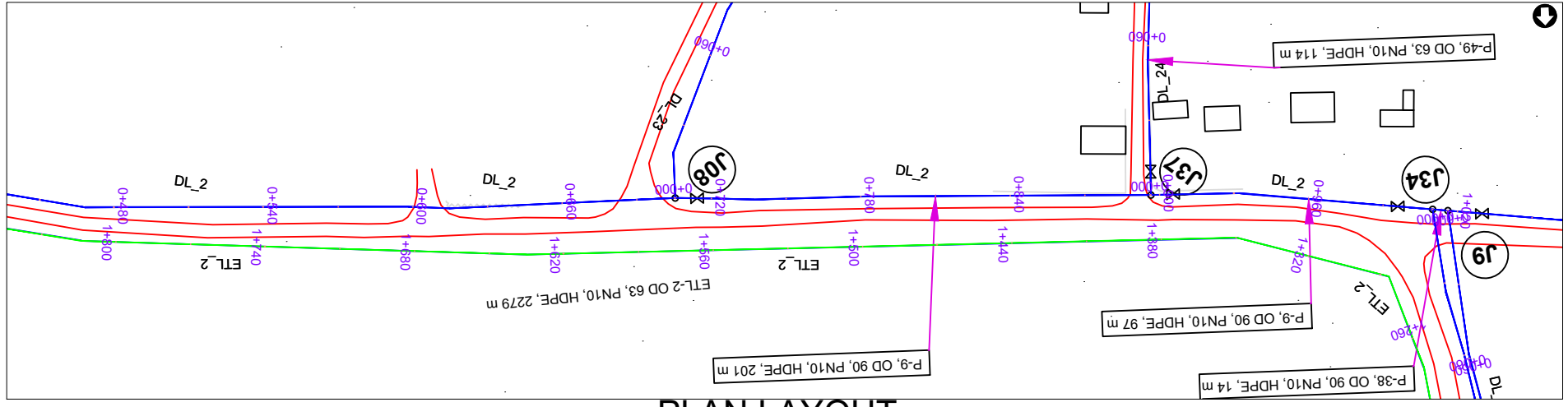
MINISTRY OF WATER AND ENVIRONMENT

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

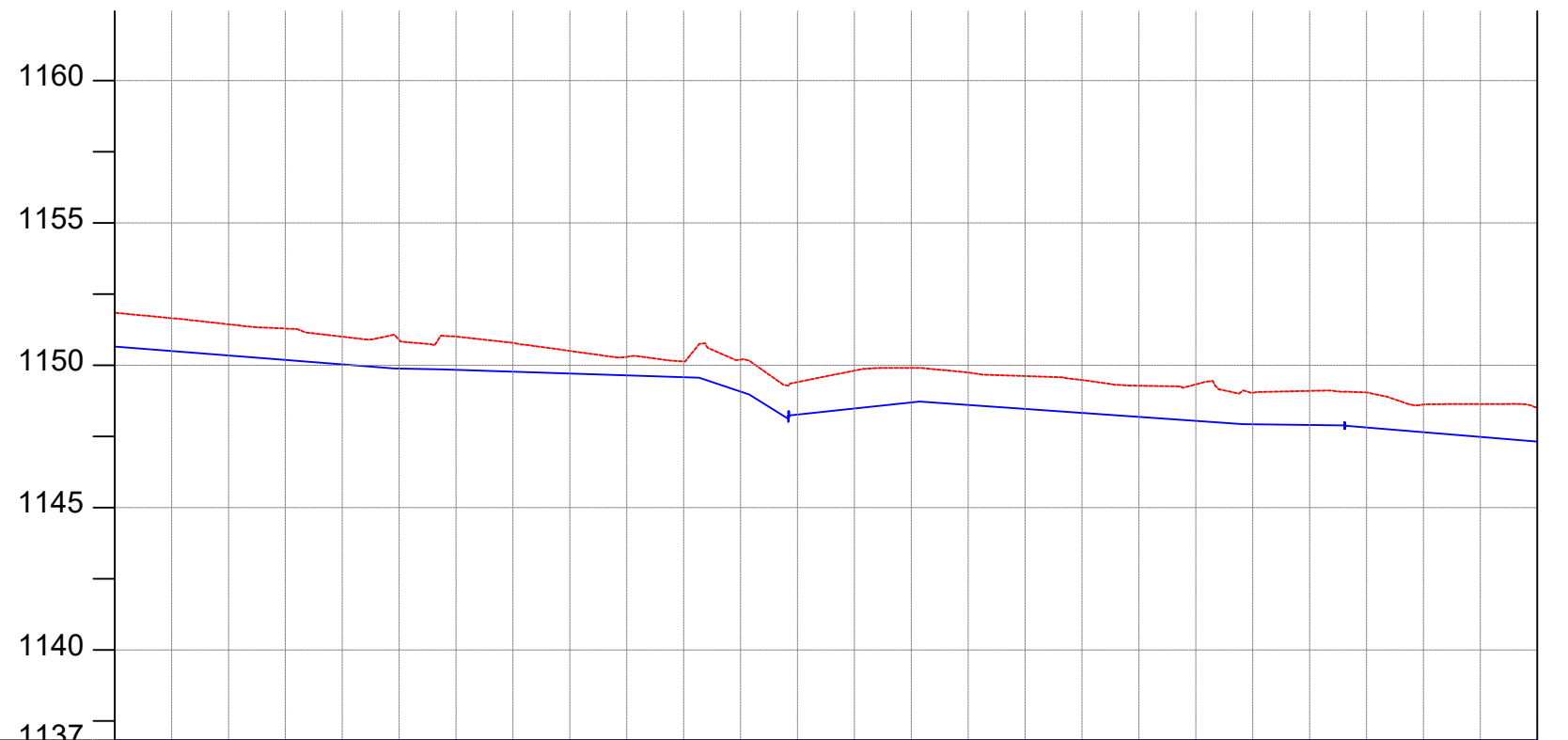
CONSULTANT:

Drawing Title:
DL_2 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDB/MB/DL_2 (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)	1151.843	1151.652	1151.437	1151.288	1151.002	1150.887	1151.008	1150.785	1150.502	1150.294	1150.133	1150.198	1149.409	1149.810	1149.906	1149.742	1149.618	1149.479	1149.279	1149.327	1149.031	1149.097	1149.042	1148.618	1148.636	1148.510
PIPE DETAILS	OD 90, PN10, HDPE															OD 90, PN10, HDPE					OD 90, PN10, HDPE					
PIPE INVERT(m)	1150.743	1150.552	1150.337	1150.188	1149.902	1149.787	1149.908	1149.685	1149.402	1149.194	1149.033	1149.098	1148.309	1148.710	1148.806	1148.642	1148.518	1148.379	1148.179	1148.227	1147.931	1147.997	1147.942	1147.518	1147.536	1147.410

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

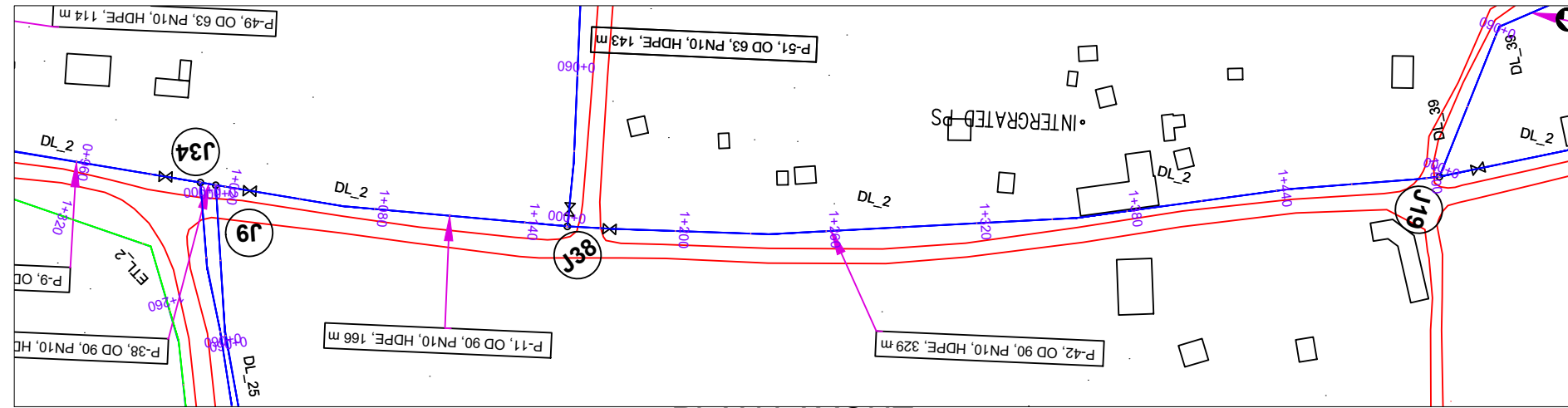
CONSULTANT:



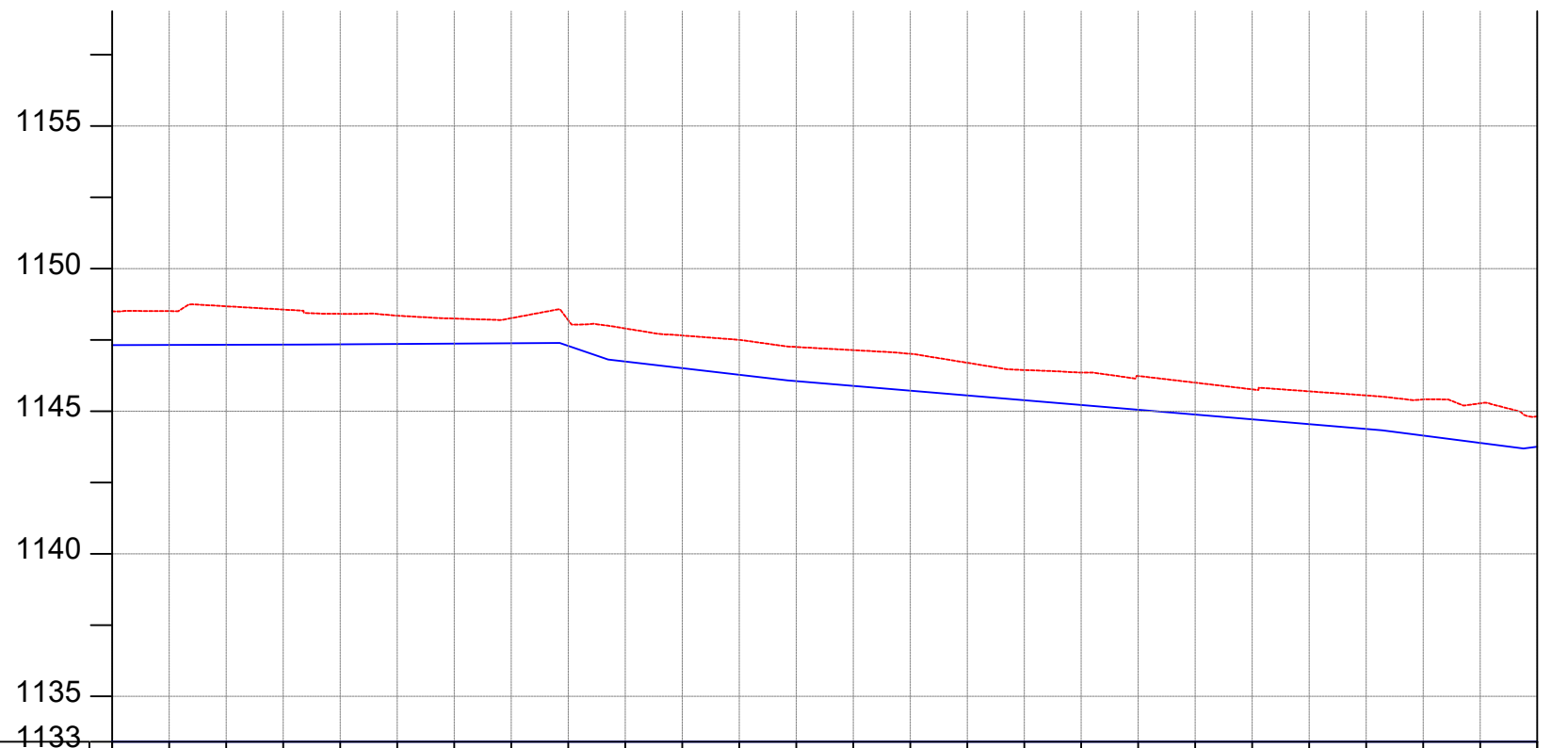
Drawing Title:

DL_2 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL_2 (CH 0+500.00 - 1+000.00)
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	1+000		1+040		1+080		1+120		1+160		1+200		1+240		1+280		1+320		1+360		1+400		1+440		1+480	1+500	
GROUND LEVEL(m)	1148.510	1148.508	1148.678	1148.563	1148.414	1148.348	1148.247	1148.262	1148.190	1147.901	1147.654	1147.500	1147.250	1147.141	1147.012	1146.697	1146.444	1146.356	1146.235	1146.000	1145.766	1145.696	1145.552	1145.412	1145.275	1144.815	1144.715
PIPE DETAILS	OD 90, PN10, HDPE														OD 90, PN10, HDPE												
PIPE INVERT(m)	1147.410	1147.408	1147.578	1147.463	1147.314	1147.248	1147.147	1147.162	1147.090	1146.801	1146.554	1146.400	1146.150	1146.041	1145.912	1145.597	1145.344	1145.256	1145.135	1144.900	1144.666	1144.596	1144.452	1144.312	1144.175	1143.715	

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
- Type 2 Washout
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

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

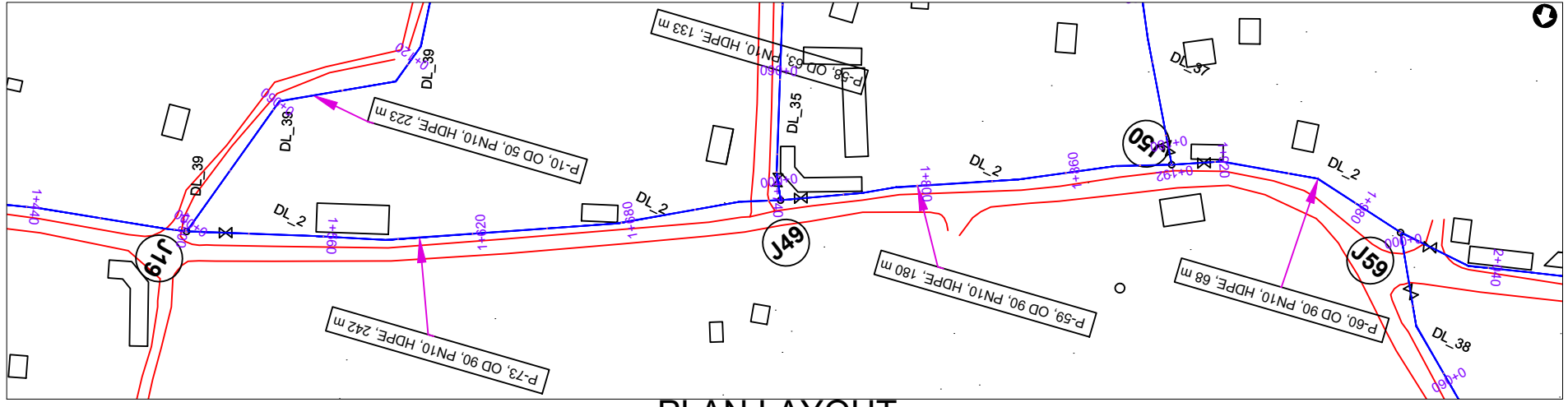
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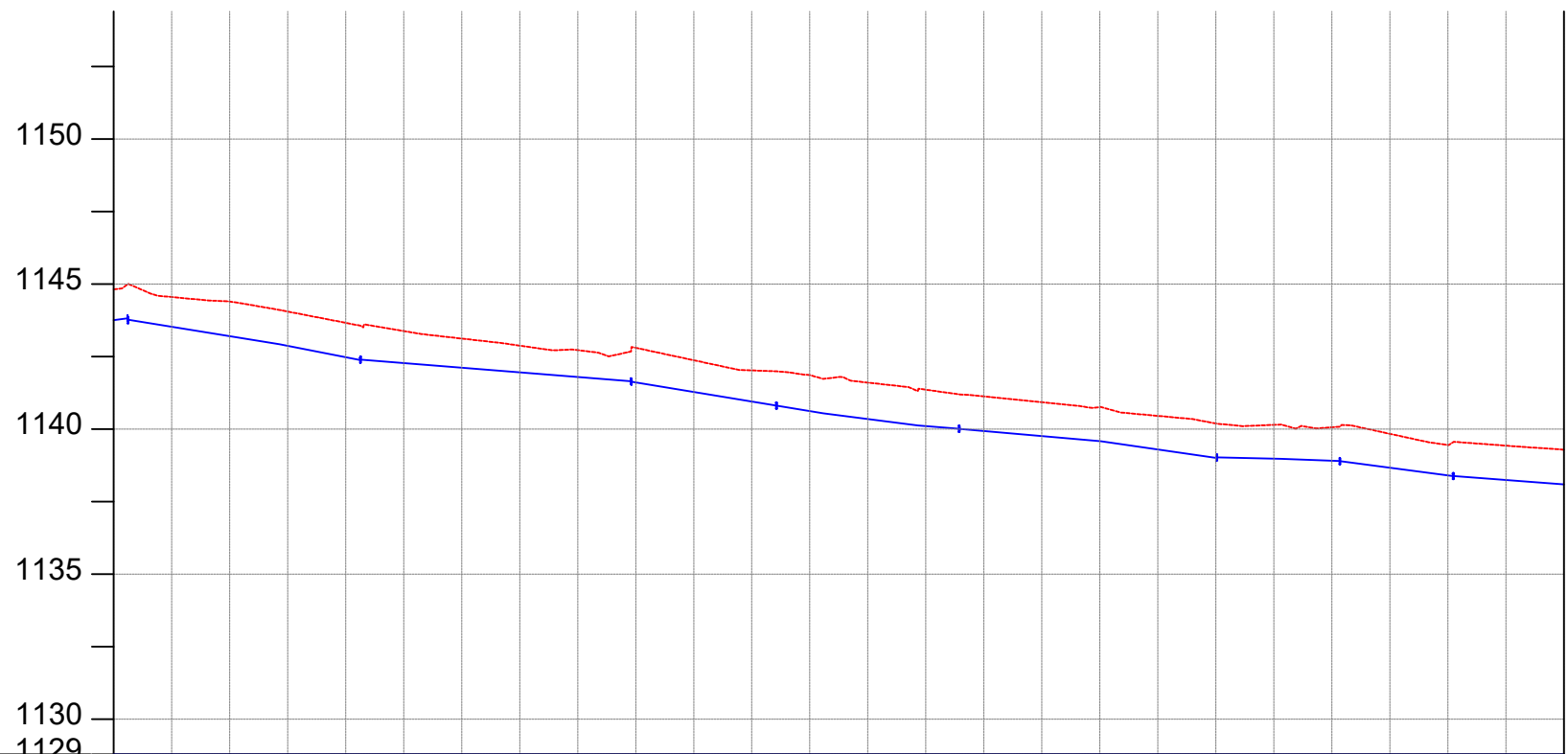
Drawing Title:

DL_2 (CH 1+000.00 - 1+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_2 (CH 1+000.00 - 1+500.00)	
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	1+500	1+520	1+560	1+600	1+640	1+680	1+720	1+760	1+800	1+840	1+880	1+920	1+960	2+000												
GROUND LEVEL(m)	1144.815	1144.552	1144.396	1144.052	1143.662	1143.378	1143.120	1142.876	1142.721	1142.800	1142.372	1142.021	1141.862	1141.601	1141.357	1141.124	1140.924	1140.758	1140.454	1140.193	1140.145	1140.061	1139.835	1139.451	1139.427	1139.283
PIPE DETAILS	OD 90, PN10, HDPE															OD 90, PN10, HDPE										
PIPE INVERT(m)	1143.715	1143.452	1143.296	1142.952	1142.562	1142.278	1142.020	1141.776	1141.621	1141.700	1141.272	1140.921	1140.762	1140.501	1140.257	1140.024	1139.824	1139.658	1139.354	1139.093	1139.045	1138.961	1138.735	1138.351	1138.327	1138.183

OD 90, PN10, HDPE

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

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

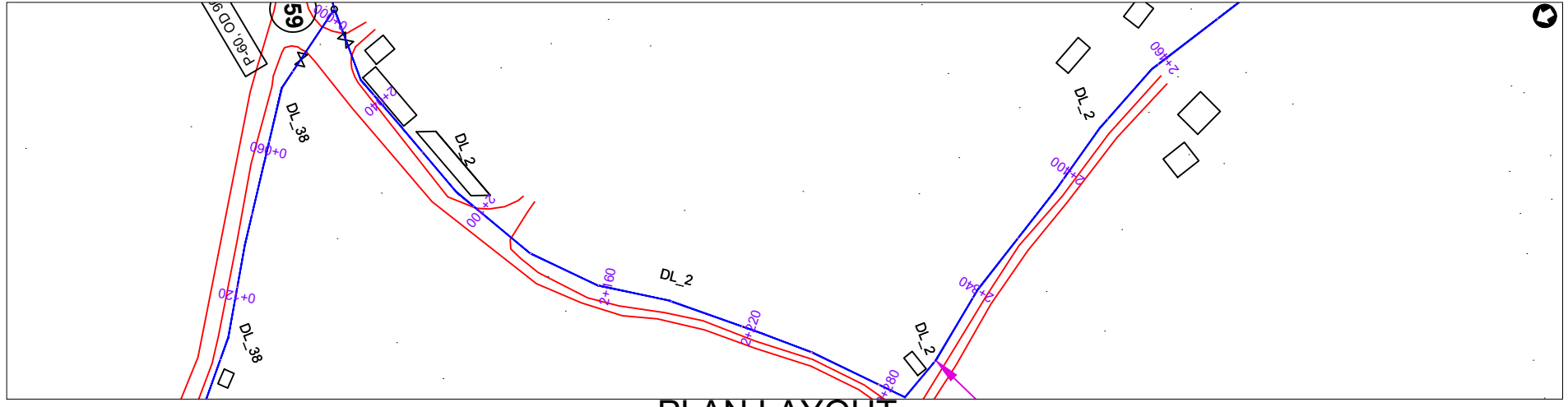
CONSULTANT:



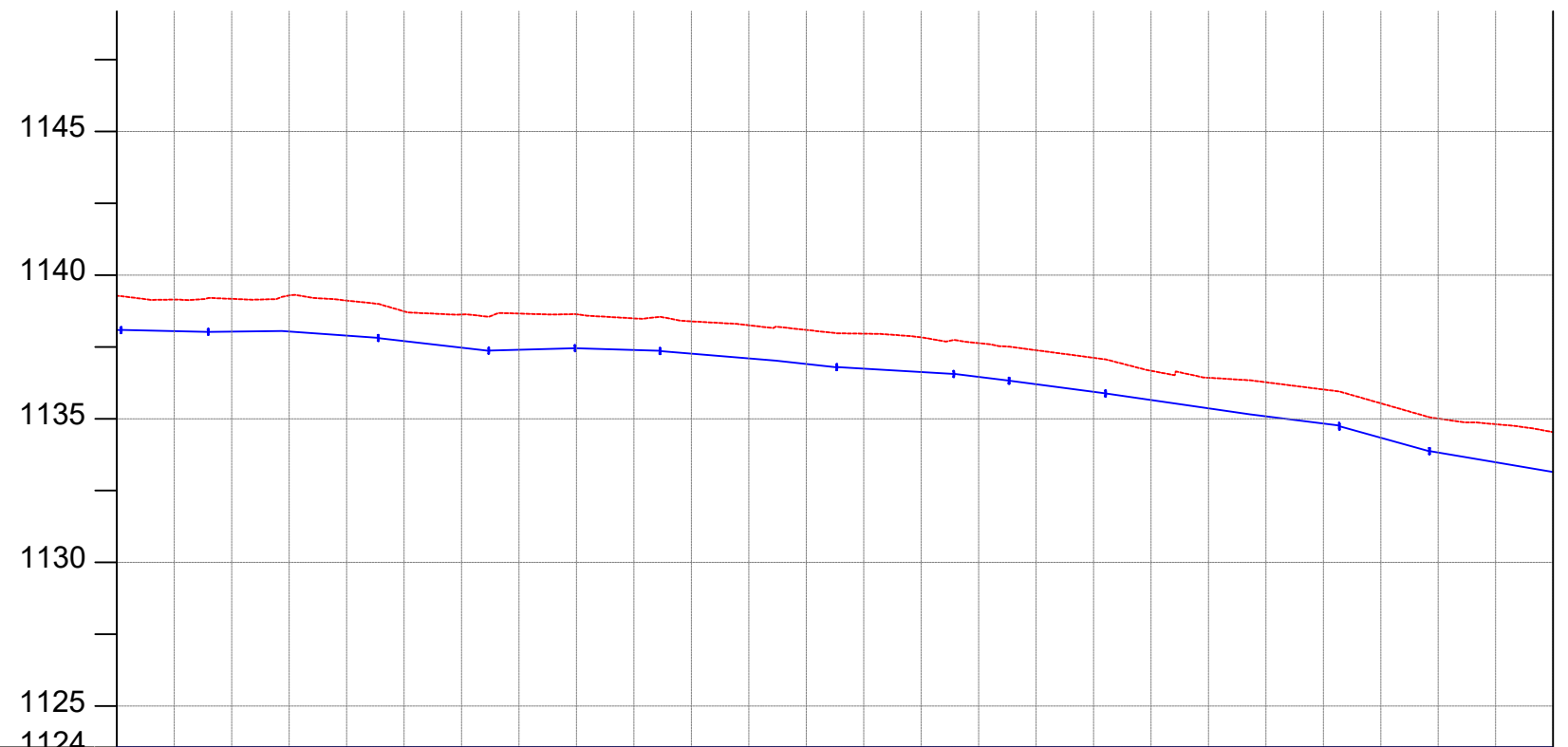


Drawing Title:
DL_2 (CH 1+500.00 - 2+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_2 (CH 1+500.00 - 2+000.00)	
Sheet No.: 4	Format: A3



PLAN LAYOUT



CHAINAGE	2+000		2+040		2+080		2+120		2+160		2+200		2+240		2+280		2+320		2+360		2+400		2+440		2+480	2+500		
GROUND LEVEL(m)	1139.283	1139.147	1139.172	1139.293	1139.114	1138.736	1138.630	1138.660	1138.636	1138.493	1138.389	1138.253	1138.091	1137.960	1137.832	1137.632	1137.385	1137.122	1136.669	1136.426	1136.269	1136.018	1135.537	1135.006	1134.809	1134.532		
PIPE DETAILS	OD 63, PN10, HDPE																											
PIPE INVERT(m)	1138.183	1138.047	1138.072	1138.193	1138.014	1137.636	1137.530	1137.560	1137.536	1137.393	1137.289	1137.153	1136.991	1136.860	1136.732	1136.532	1136.285	1136.022	1135.569	1135.326	1135.169	1134.918	1134.437	1133.906	1133.709	1133.432		

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

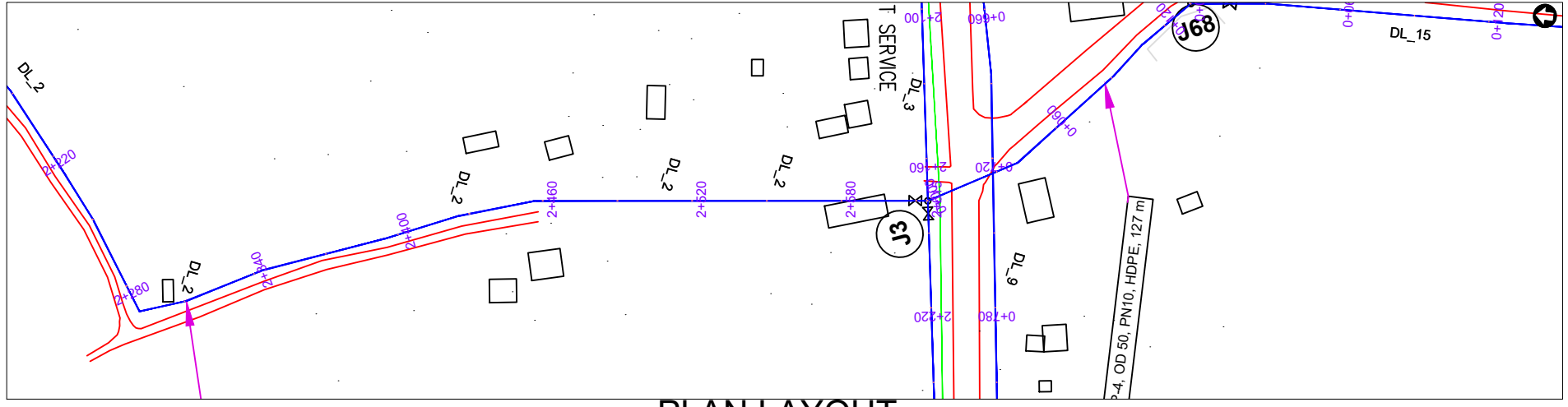
MINISTRY OF WATER AND ENVIRONMENT

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

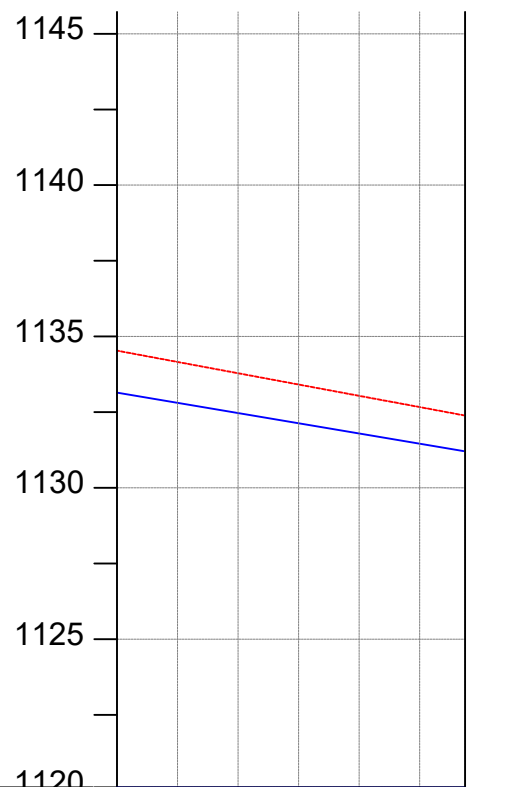
CONSULTANT:

Drawing Title:
DL_2 (CH 2+000.00 - 2+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_2 (CH 2+000.00 - 2+500.00)	
Sheet No.: 5	Format: A3



PLAN LAYOUT



CHAINAGE	2+500	2+520		2+560		2+600	2+615
GROUND LEVEL(m)	1134.532	1134.160	1133.787	1133.414	1133.042	1132.669	
PIPE DETAILS	OD 63, PN10, HDPE						
PIPE INVERT(m)	1133.432	1133.060	1132.687	1132.314	1131.942	1131.569	

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

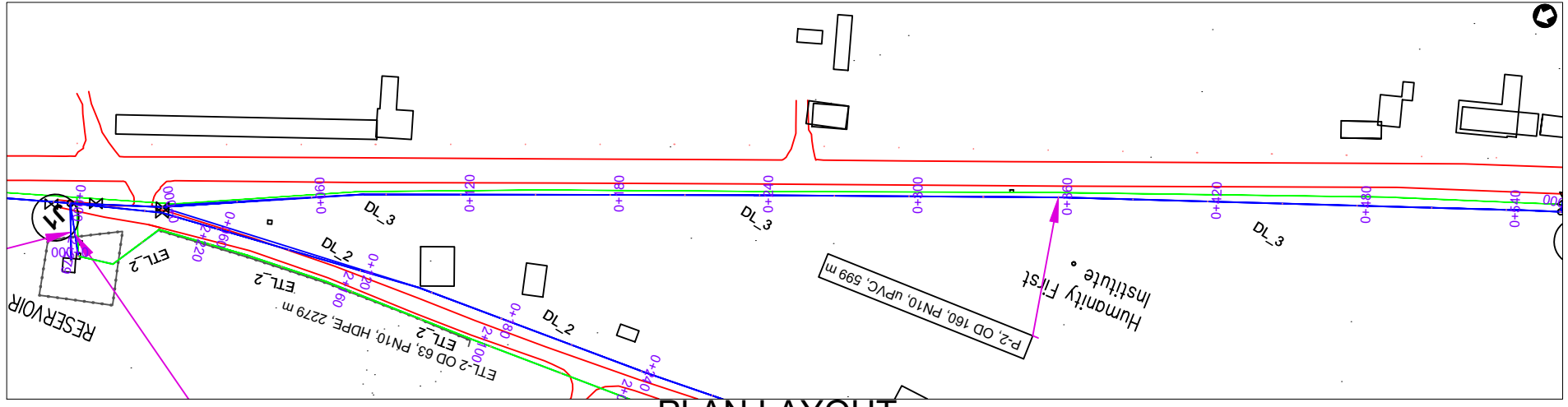
MINISTRY OF WATER AND ENVIRONMENT

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

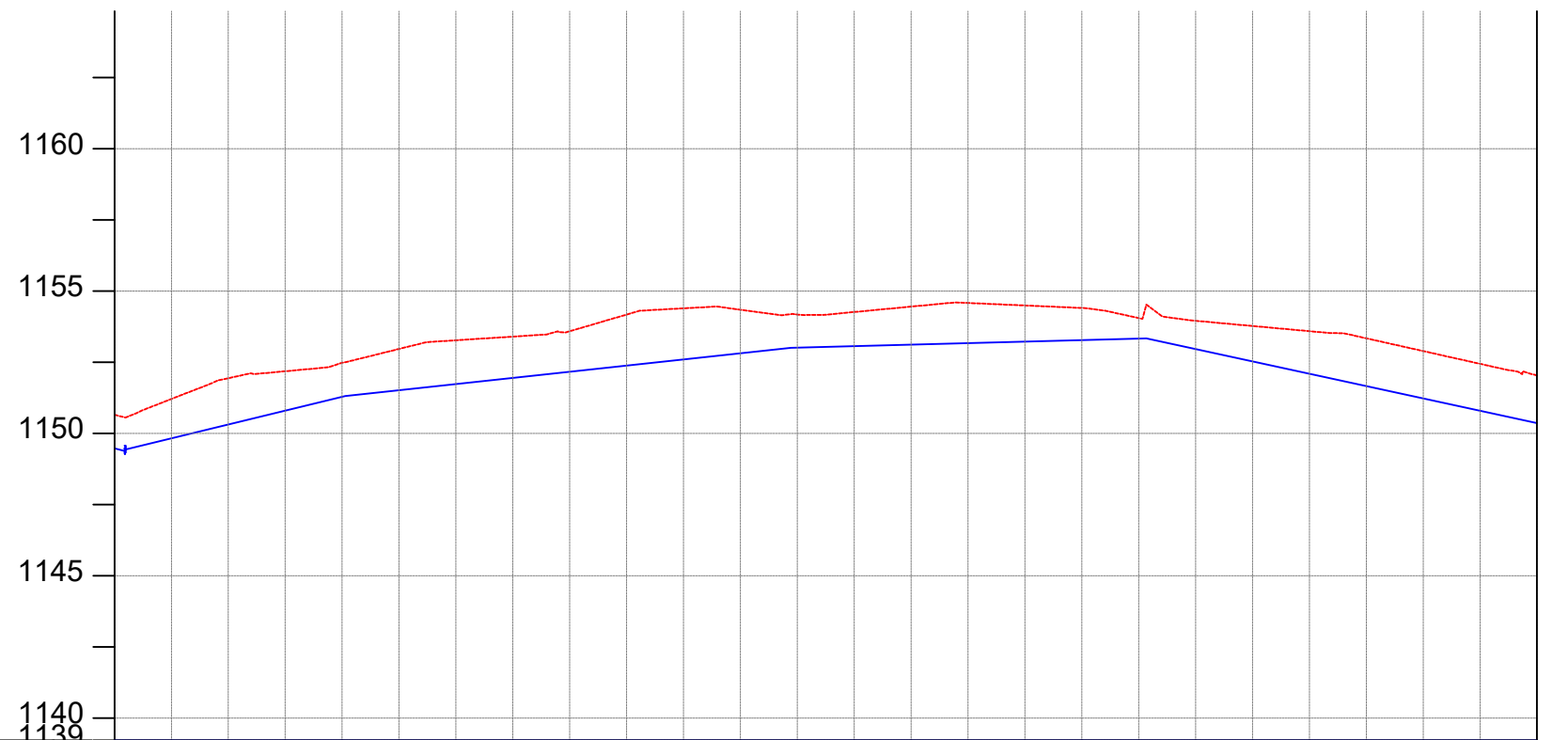
CONSULTANT:

Drawing Title:
DL_2 (CH 2+500.00 - 2+615.05)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_2 (CH 2+500.00 - 2+615.05)	
Sheet No.: 6	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)	1150.657	1151.208	1151.938	1152.182	1152.481	1152.965	1153.270	1153.398	1153.587	1154.173	1154.393	1154.344	1154.173	1154.263	1154.453	1154.581	1154.493	1154.411	1154.050	1153.955	1153.772	1153.590	1153.339	1152.891	1152.443	1152.034		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1149.557	1150.108	1150.838	1151.082	1151.381	1151.865	1152.170	1152.298	1152.487	1153.073	1153.293	1153.244	1153.073	1153.163	1153.353	1153.481	1153.393	1153.311	1152.950	1152.855	1152.672	1152.490	1152.239	1151.791	1151.343	1150.934		

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

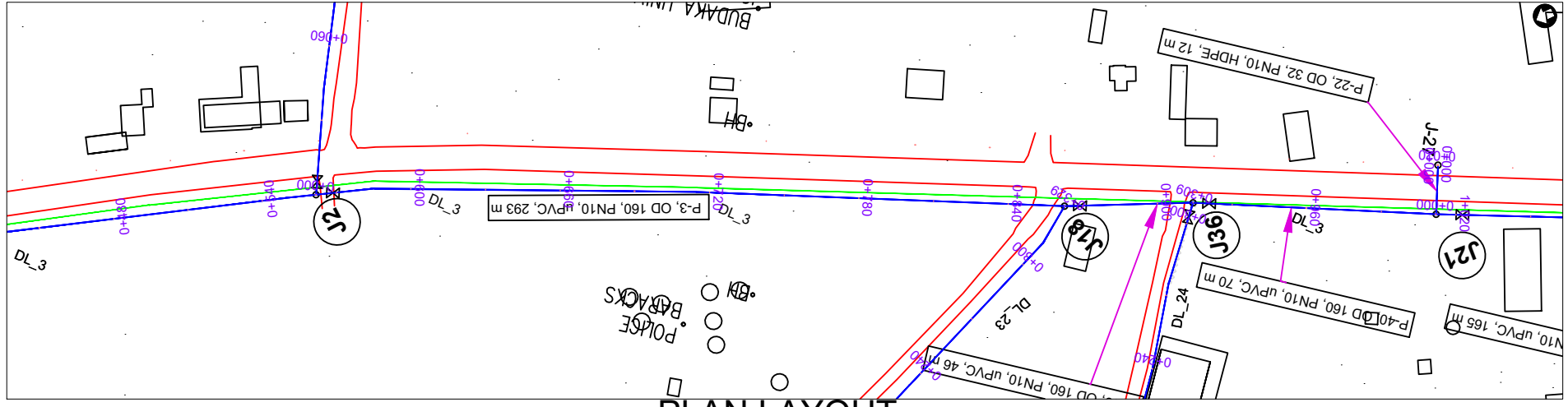
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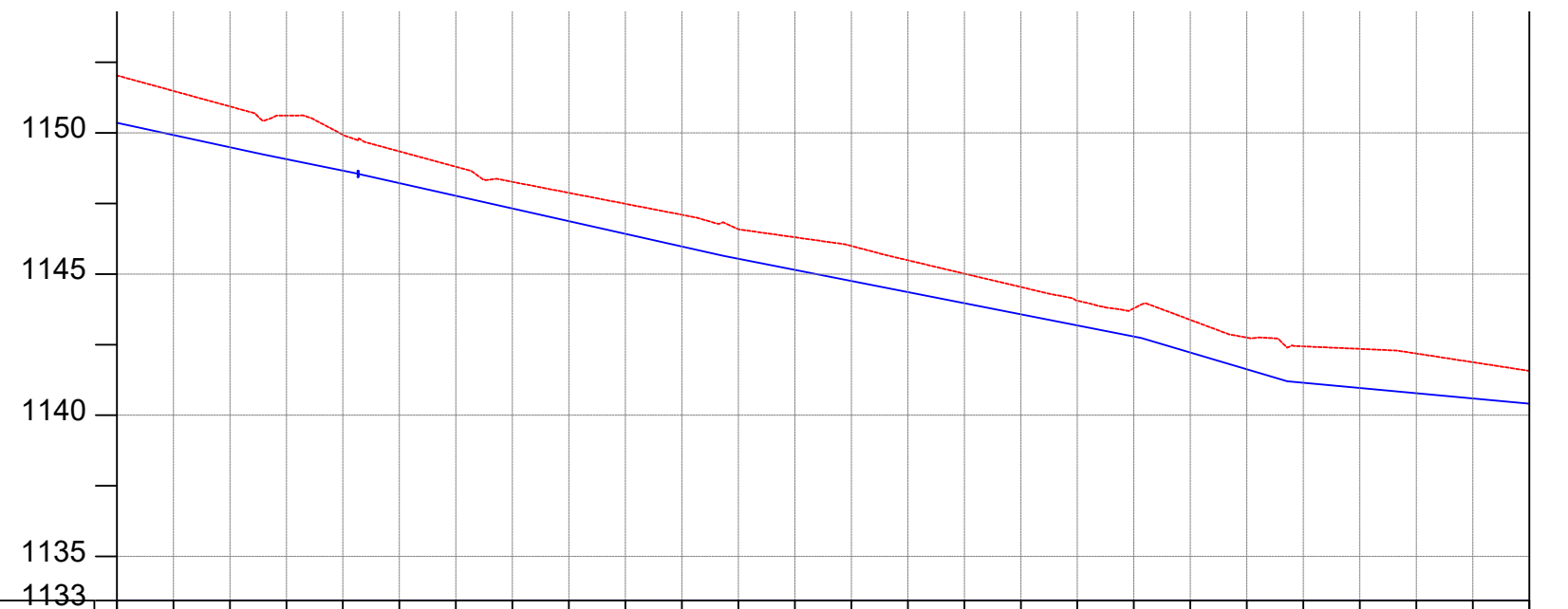
Drawing Title:

DL_3 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (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)	1152.034	1151.485	1150.935	1150.613	1149.935	1149.343	1148.801	1148.265	1147.876	1147.488	1147.099	1146.585	1146.303	1145.994	1145.488	1145.015	1144.541	1144.057	1143.786	1143.377	1142.751	1142.439	1142.350	1142.186	1141.878	1141.571			
PIPE DETAILS	OD 160, PN10, uPVC																												
PIPE INVERT(m)	1150.934	1150.385	1149.835	1149.513	1148.835	1148.243	1147.701	1147.165	1146.776	1146.388	1145.999	1145.485	1145.203	1144.894	1144.388	1143.915	1143.441	1142.957	1142.686	1142.277	1141.651	1141.339	1141.250	1141.086	1140.778	1140.471			

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

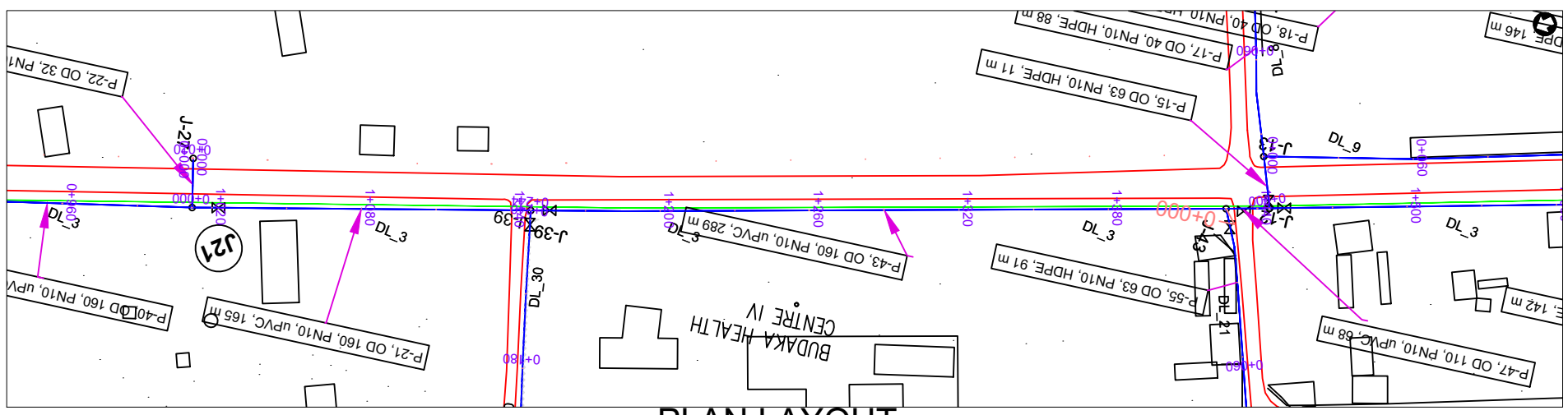
MINISTRY OF WATER AND ENVIRONMENT

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

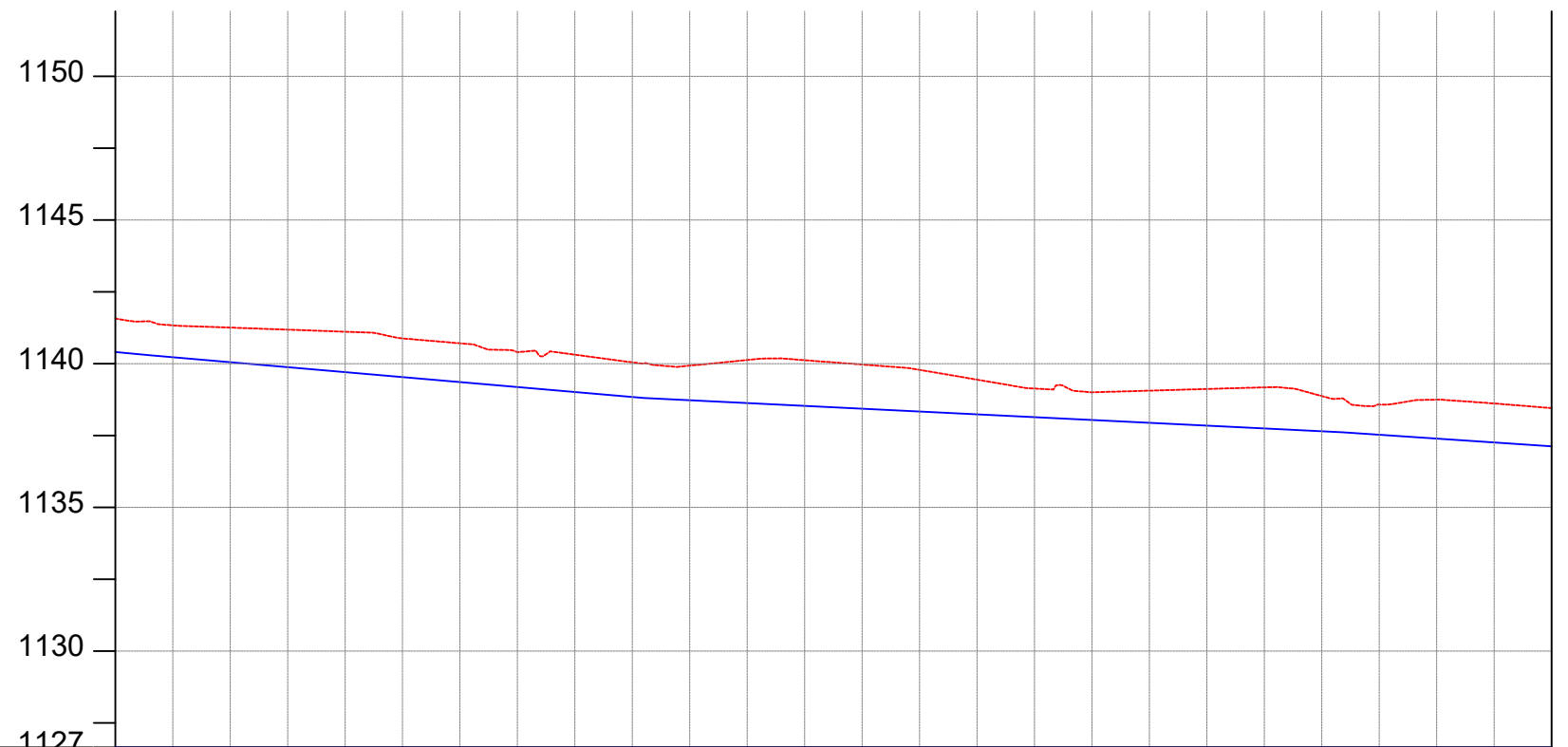
CONSULTANT:

Drawing Title:
DL_3 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 0+500.00 - 1+000.00)	
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	GROUND LEVEL(m)	PIPE DETAILS	PIPE INVERT(m)
1+000	1141.571	OD 160, PN10, uPVC	1140.471
1+040	1141.335		1140.235
1+080	1141.258		1140.158
	1141.186		1140.086
1+120	1141.115		1139.782
	1140.882		1139.611
1+160	1140.711		1139.308
	1140.408		1139.215
1+200	1140.315		1138.949
	1140.049		1138.833
1+240	1139.933		1139.029
	1140.123		1139.023
1+280	1139.972		1138.872
	1139.787		1138.687
1+320	1139.446		1138.346
	1139.137		1138.037
1+360	1139.006	1137.906	
	1139.063	1137.963	
1+400	1139.121	1138.021	
	1139.177	1138.077	
1+440	1138.877	1137.777	
	1138.583	1137.483	
1+480	1138.750	1137.650	
1+500	1138.618	1137.518	
	1138.456	1137.356	

OD 110, PN10, uPVC

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

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

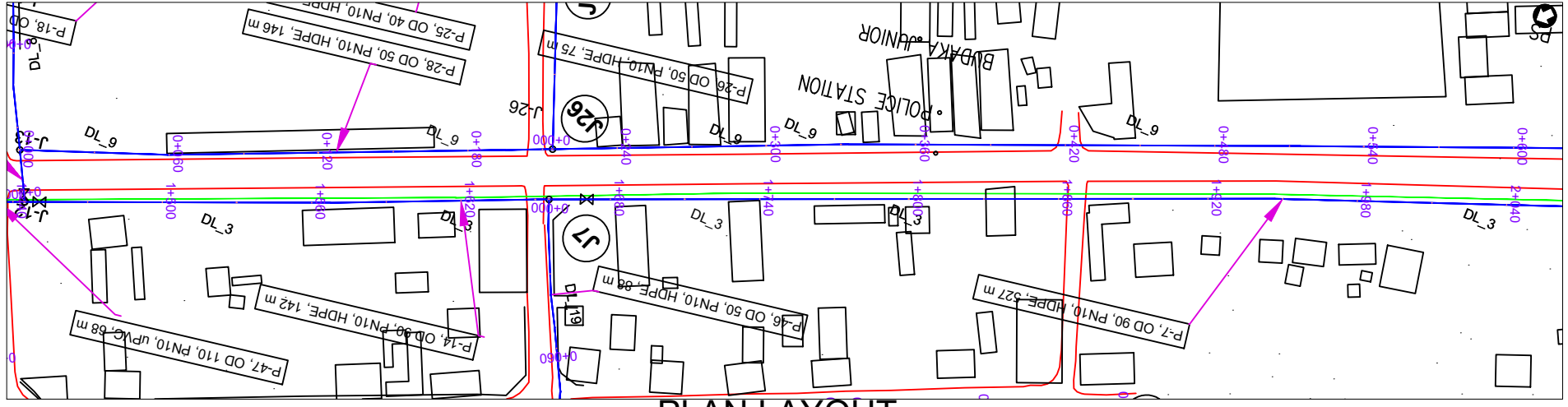
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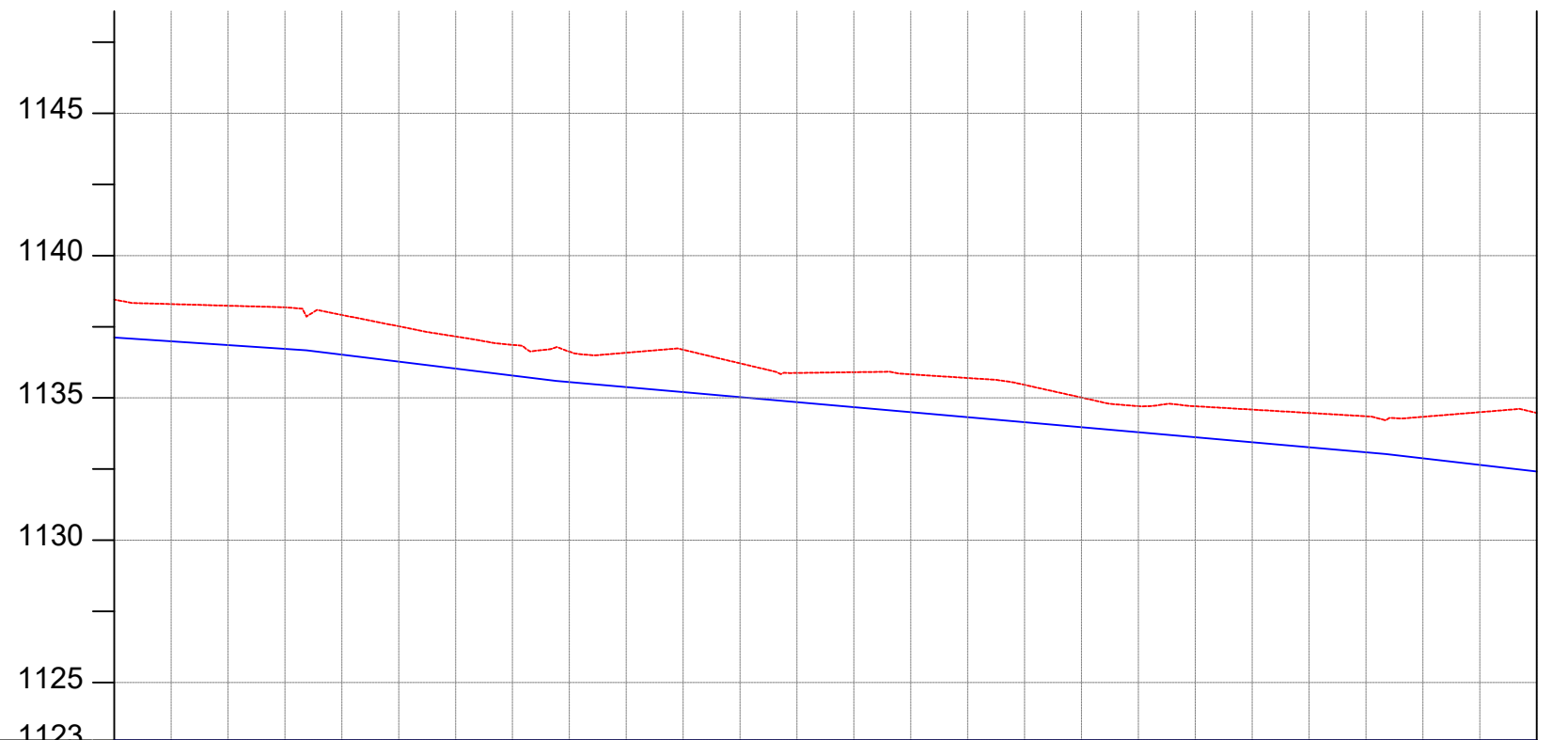


Drawing Title:
DL_3 (CH 1+000.00 - 1+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 1+000.00 - 1+500.00)	
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	1+500	1+520	1+560	1+600	1+640	1+680	1+720	1+760	1+800	1+840	1+880	1+920	1+960	2+000													
GROUND LEVEL(m)	1138.456	1138.296	1138.239	1138.183	1137.915	1137.517	1137.158	1136.864	1136.626	1136.587	1136.691	1136.215	1135.877	1135.903	1135.829	1135.699	1135.459	1135.012	1134.710	1134.707	1134.590	1134.473	1134.355	1134.336	1134.499	1134.473	2+000
PIPE DETAILS	OD 90, PN10, HDPE														OD 90, PN10, HDPE												
PIPE INVERT(m)	1137.356	1137.196	1137.139	1137.083	1136.815	1136.417	1136.058	1135.764	1135.526	1135.487	1135.591	1135.115	1134.777	1134.803	1134.729	1134.599	1134.359	1133.912	1133.610	1133.607	1133.490	1133.373	1133.255	1133.236	1133.399	1133.373	2+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. MBW/0.0.0
 4. For Node details, see Dwg. MBW/6.0.0
 5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

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

REPUBLIC OF UGANDA

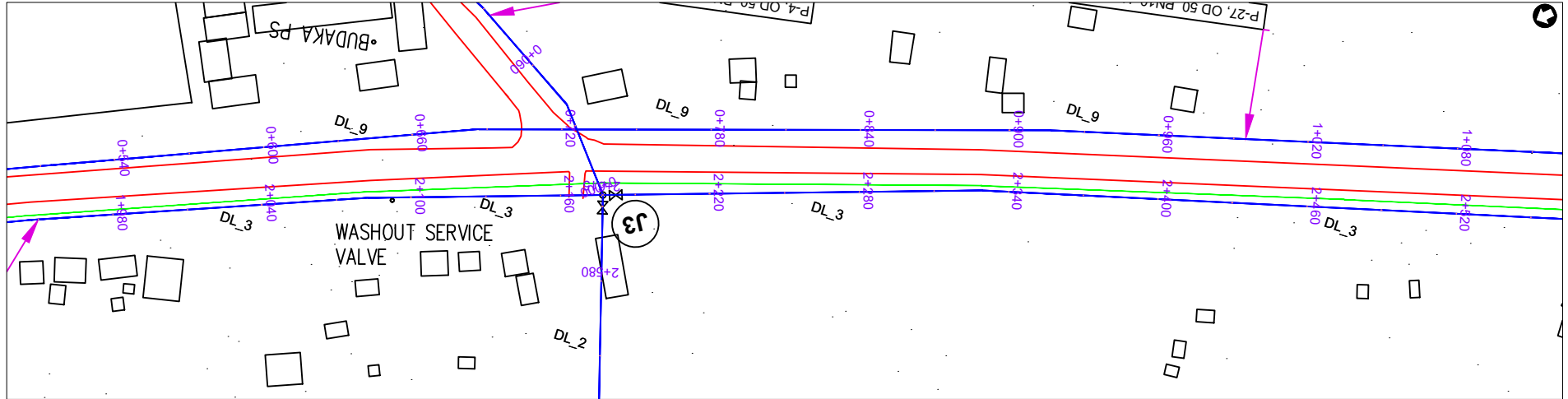
MINISTRY OF WATER AND ENVIRONMENT

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

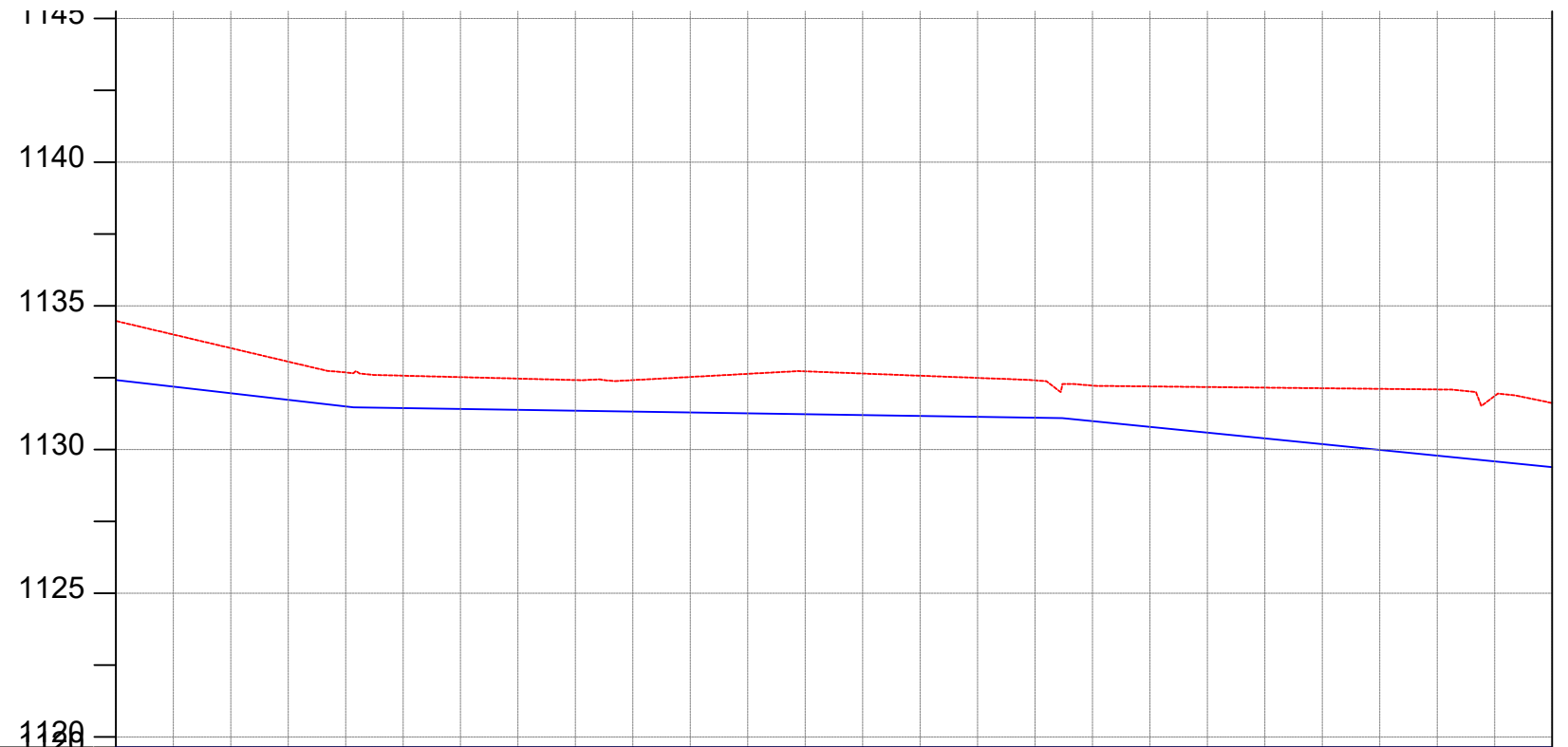
CONSULTANT:

Drawing Title:
DL_3 (CH 1+500.00 - 2+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 1+500.00 - 2+000.00)	
Sheet No.: 4	Format: A3



PLAN LAYOUT



CHAINAGE	2+000		2+040		2+080		2+120		2+160		2+200		2+240		2+280		2+320		2+360		2+400		2+440		2+480	2+500	
GROUND LEVEL(m)	1134.473	1134.001	1133.529	1133.057	1132.683	1132.569	1132.518	1132.467	1132.416	1132.414	1132.524	1132.633	1132.720	1132.643	1132.567	1132.491	1132.407	1132.223	1132.195	1132.174	1132.153	1132.132	1132.110	1132.089	1131.860	1131.616	2+500
PIPE DETAILS	OD 90, PN10, HDPE												OD 90, PN10, HDPE														
PIPE INVERT(m)	1133.373	1132.901	1132.429	1131.957	1131.583	1131.469	1131.418	1131.367	1131.316	1131.314	1131.424	1131.533	1131.620	1131.543	1131.467	1131.391	1131.307	1131.123	1131.095	1131.074	1131.053	1131.032	1131.010	1130.989	1130.760	1130.516	2+500

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

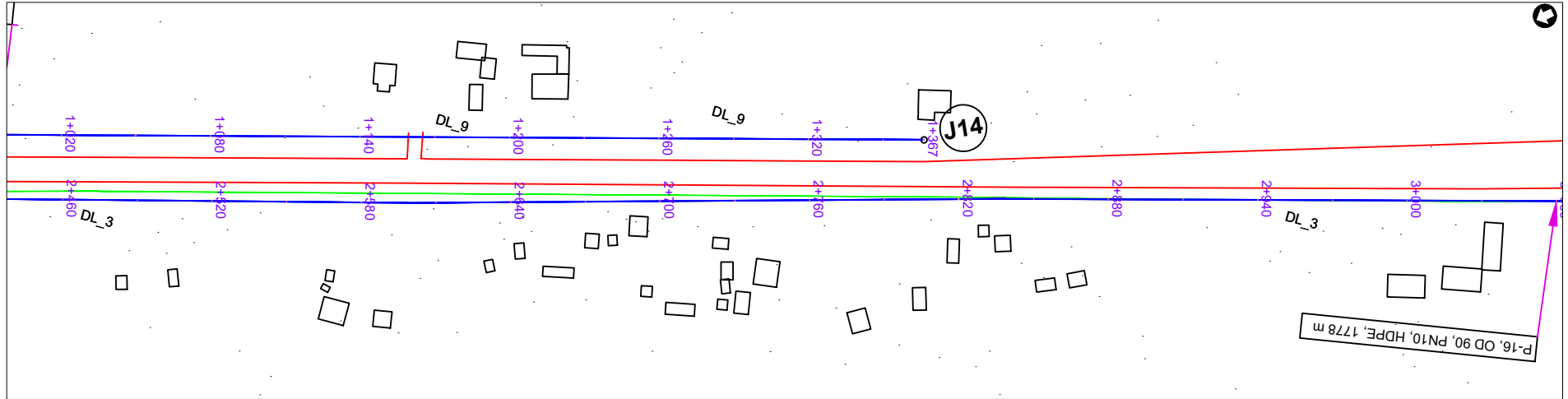
MINISTRY OF WATER AND ENVIRONMENT

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

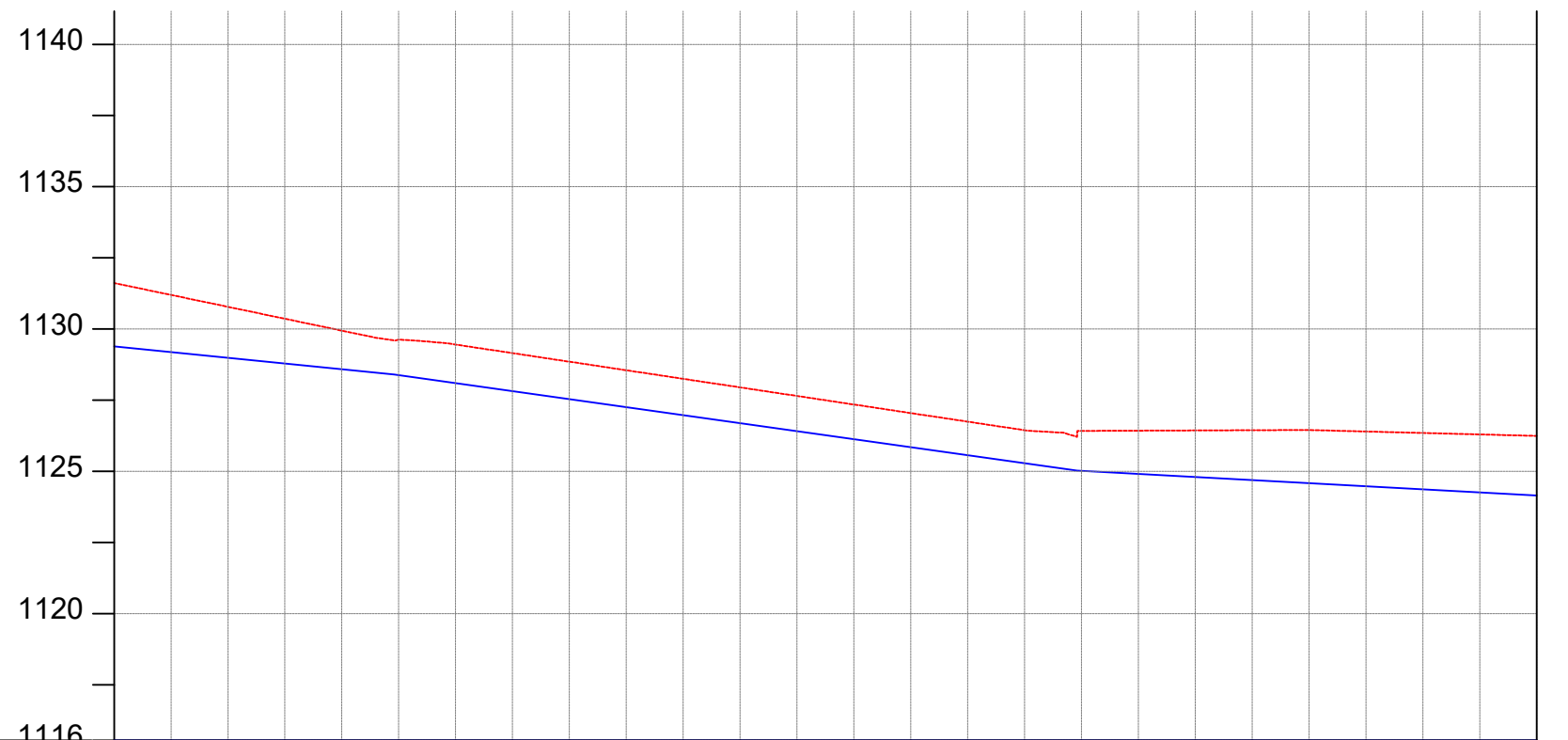
CONSULTANT:

Drawing Title:
DL_3 (CH 2+000.00 - 2+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 2+000.00 - 2+500.00)	
Sheet No.: 5	Format: A3



PLAN LAYOUT



CHAINAGE	2+500	2+520	2+560	2+600	2+640	2+680	2+720	2+760	2+800	2+840	2+880	2+920	2+960	3+000														
GROUND LEVEL(m)	1131.616	1131.198	1130.780	1130.361	1129.943	1129.628	1129.455	1129.154	1128.853	1128.552	1128.251	1127.950	1127.649	1127.348	1127.047	1126.746	1126.445	1126.421	1126.429	1126.437	1126.445	1126.452	1126.400	1126.349	1126.297	1126.245	1126.245	
PIPE DETAILS	OD 90, PN10, HDPE																											
PIPE INVERT(m)	1130.516	1130.098	1129.680	1129.261	1128.843	1128.528	1128.355	1128.054	1127.753	1127.452	1127.151	1126.850	1126.549	1126.248	1125.947	1125.646	1125.345	1125.321	1125.329	1125.337	1125.345	1125.352	1125.300	1125.249	1125.197	1125.145	1125.145	

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

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MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

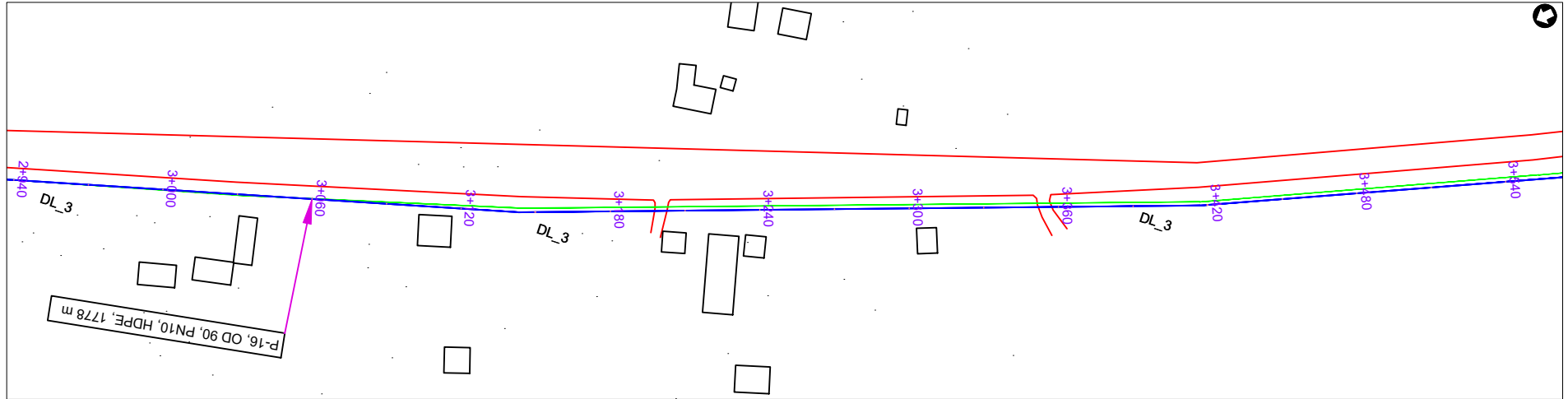
CONSULTANT:



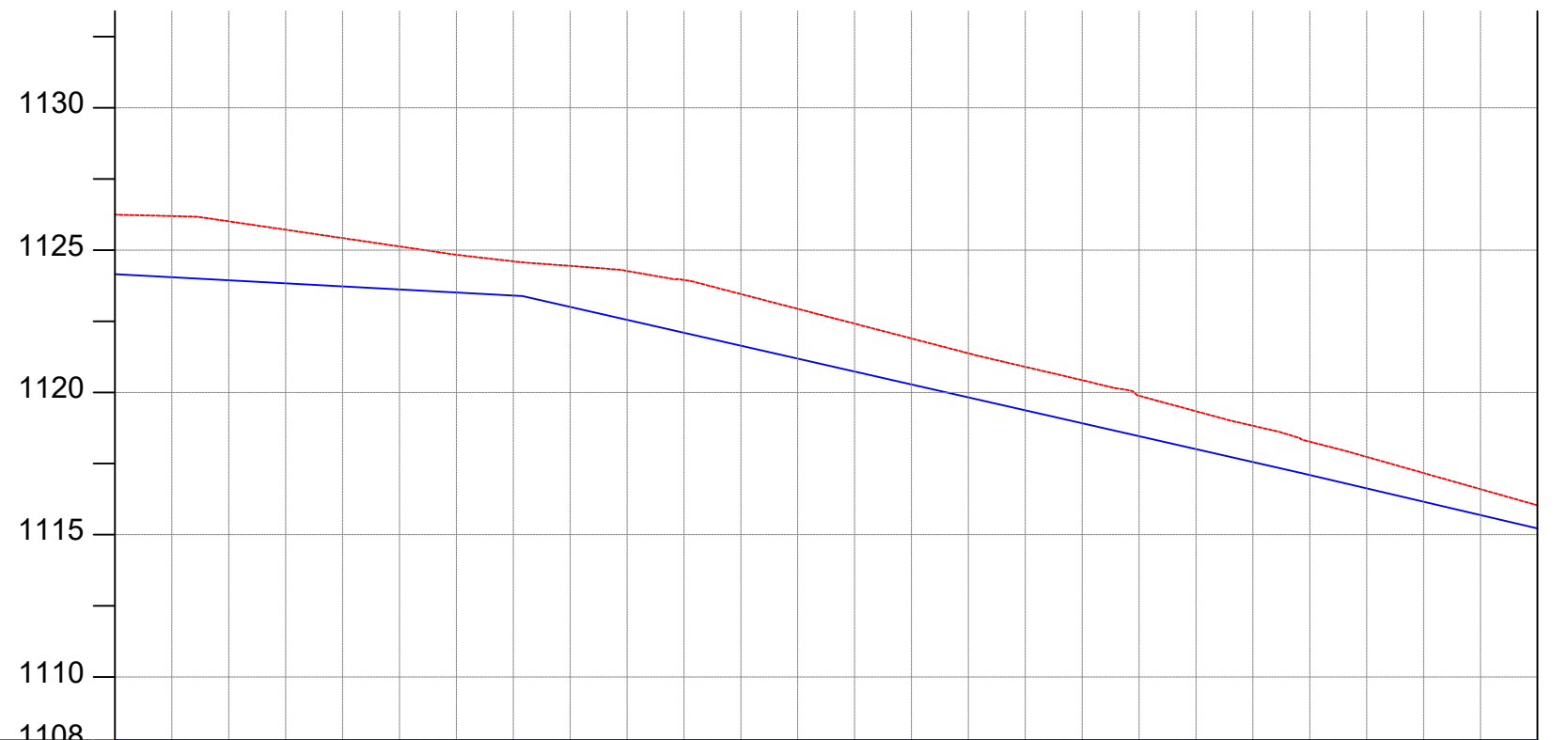
Drawing Title:

DL_3 (CH 2+500.00 - 3+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 2+500.00 - 3+000.00)	
Sheet No.: 6	Format: A3



PLAN LAYOUT



CHAINAGE	3+000		3+040		3+080		3+120		3+160		3+200		3+240		3+280		3+320		3+360		3+400		3+440		3+480	3+500		
GROUND LEVEL(m)	1126.245	1126.194	1126.010	1125.716	1125.422	1125.128	1124.836	1124.604	1124.445	1124.266	1123.948	1123.456	1122.936	1122.416	1121.895	1121.375	1120.898	1120.430	1119.881	1119.338	1118.828	1118.269	1117.734	1117.168	1116.601	1116.034	3+500	
PIPE DETAILS	OD 90, PN10, HDPE																											
PIPE INVERT(m)	1125.145	1125.094	1124.910	1124.616	1124.322	1124.028	1123.736	1123.504	1123.345	1123.166	1122.848	1122.356	1121.836	1121.316	1120.795	1120.275	1119.798	1119.330	1118.781	1118.238	1117.728	1117.169	1116.634	1116.068	1115.501	1114.934		

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

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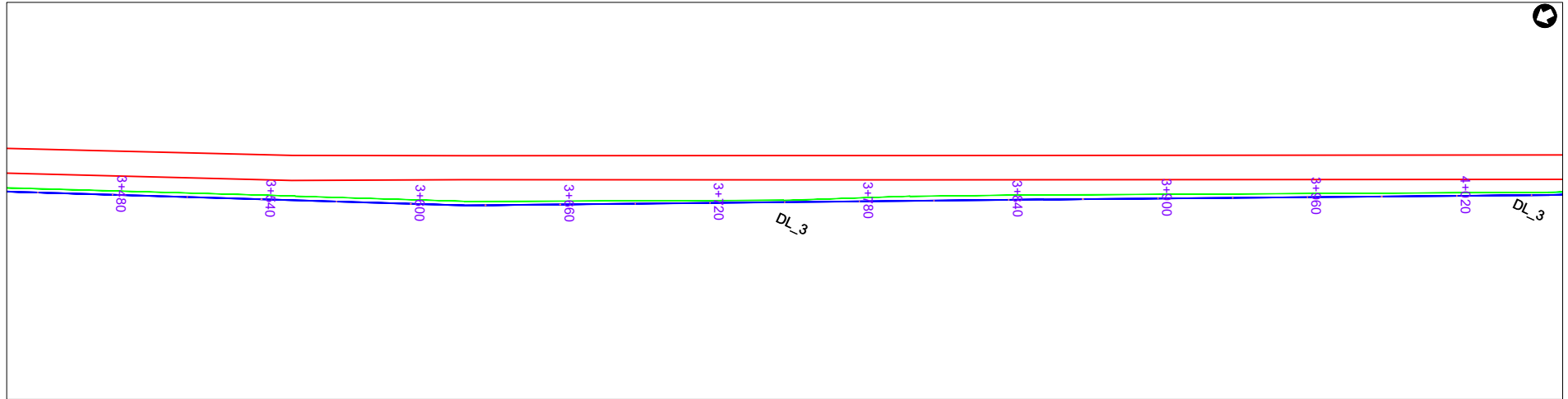
MINISTRY OF WATER AND ENVIRONMENT

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

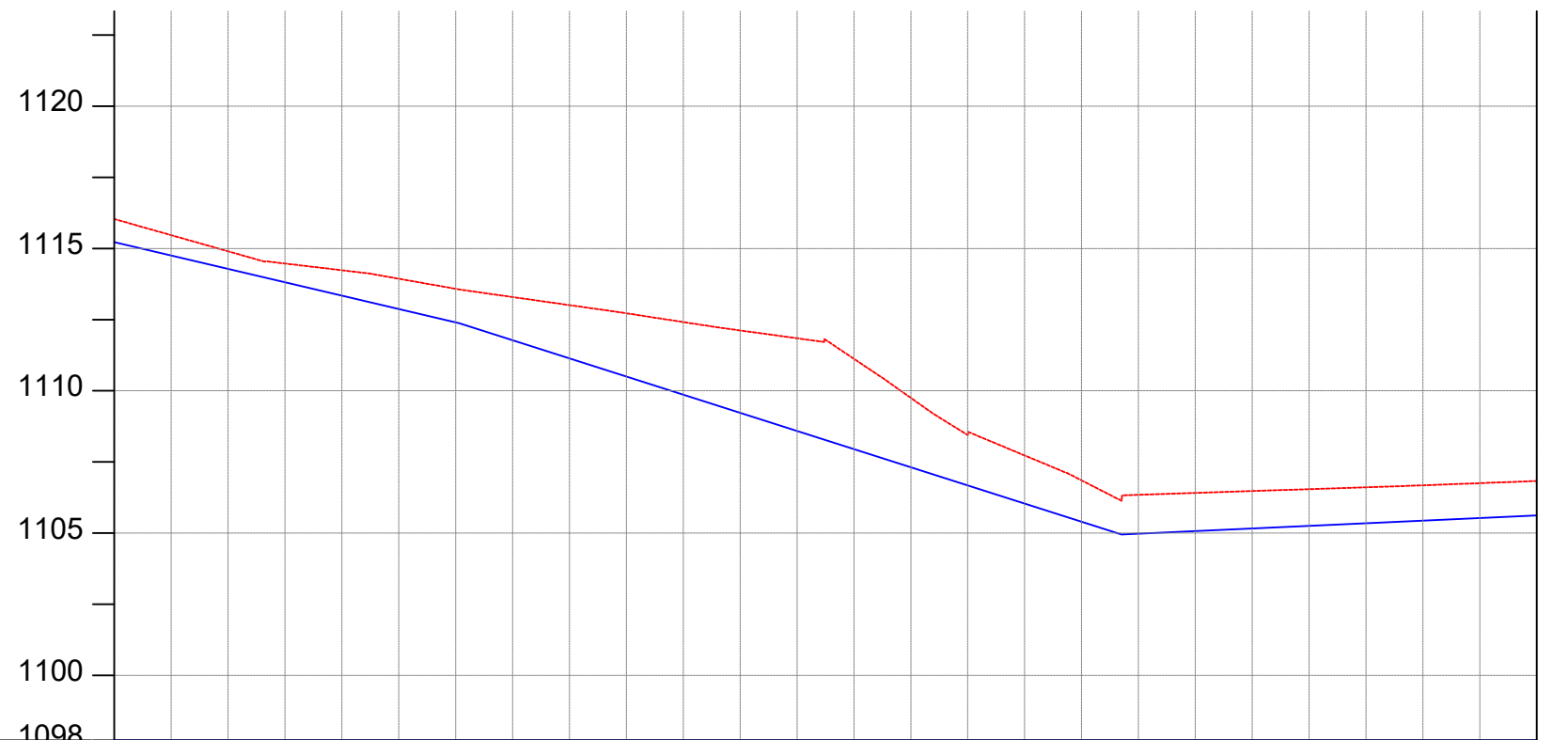
CONSULTANT:

Drawing Title:
DL_3 (CH 3+000.00 - 3+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 3+000.00 - 3+500.00)	
Sheet No.: 7	Format: A3



PLAN LAYOUT



CHAINAGE	3+500	3+520	3+560	3+600	3+640	3+680	3+720	3+760	3+800	3+840	3+880	3+920	3+960	4+000															
GROUND LEVEL(m)	1116.034	1115.468	1114.901	1114.471	1114.235	1113.937	1113.583	1113.294	1113.010	1112.723	1112.415	1112.120	1111.845	1111.123	1109.751	1108.443	1107.729	1106.852	1106.345	1106.411	1106.478	1106.544	1106.610	1106.680	1106.755	1106.830	1106.830	4+000	
PIPE DETAILS	OD 90, PN10, HDPE																												
PIPE INVERT(m)	1114.934	1114.368	1113.801	1113.371	1113.135	1112.837	1112.483	1112.194	1111.910	1111.623	1111.315	1111.020	1110.745	1110.023	1108.651	1107.343	1106.629	1105.752	1105.245	1105.311	1105.378	1105.444	1105.510	1105.580	1105.655	1105.730	1105.730	1105.730	1105.730

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

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MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

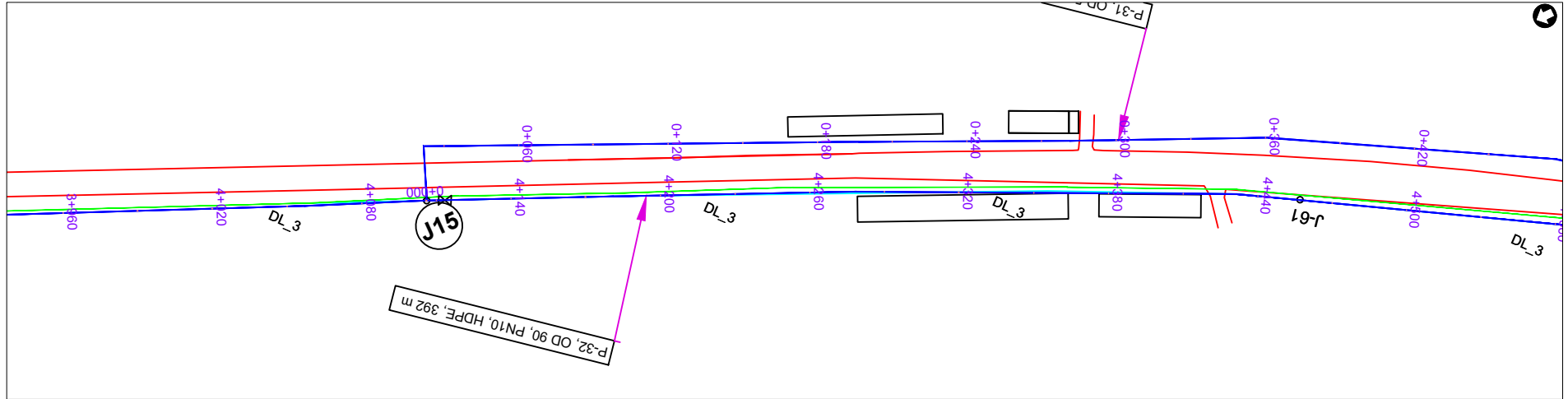
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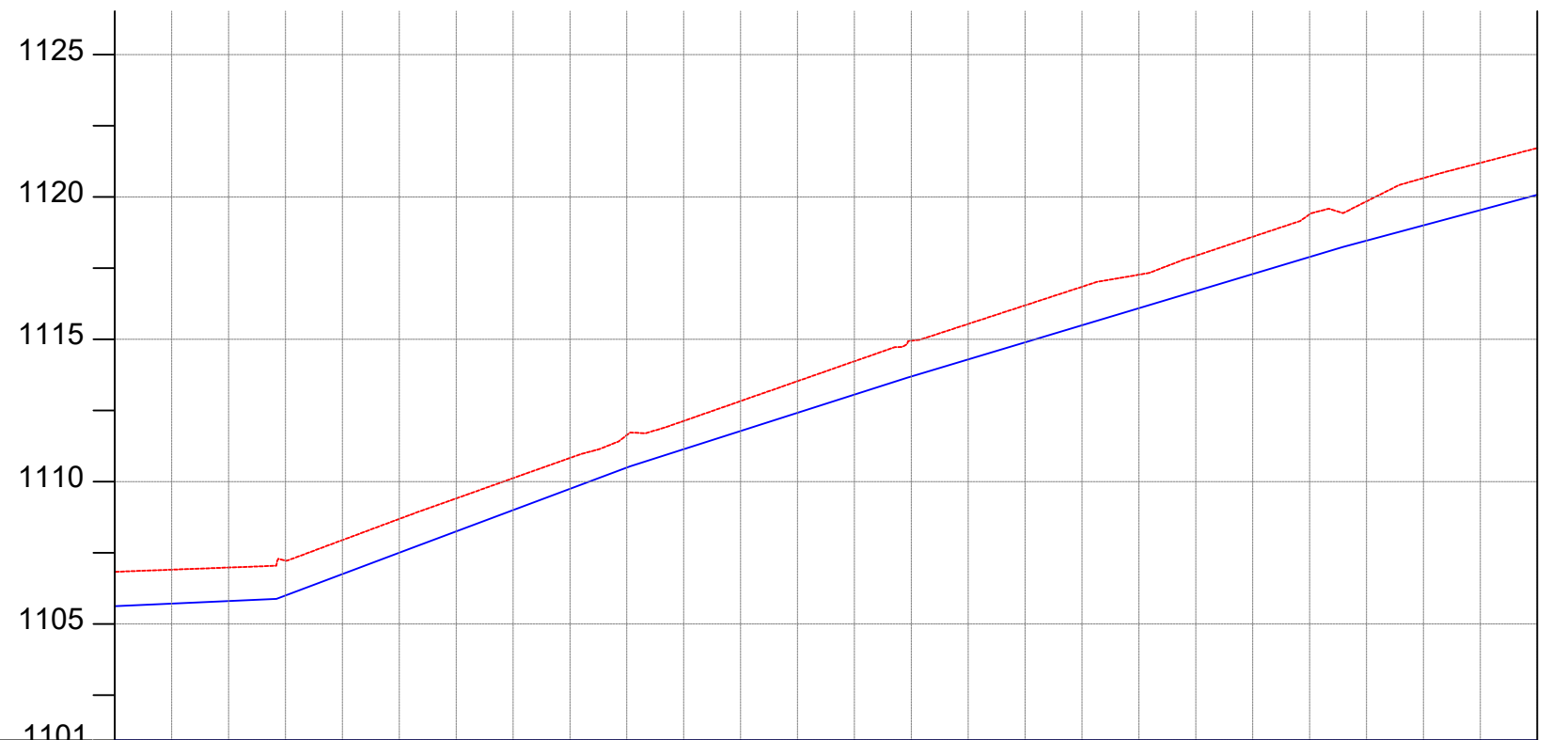
Drawing Title:

DL_3 (CH 3+500.00 - 4+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 3+500.00 - 4+000.00)	
Sheet No.: 8	Format: A3



PLAN LAYOUT



CHAINAGE	4+000		4+040		4+080		4+120		4+160		4+200		4+240		4+280		4+320		4+360		4+400		4+440		4+480	4+500		
GROUND LEVEL(m)	1106.830	1106.905	1106.981	1107.225	1107.944	1108.688	1109.409	1110.119	1110.830	1111.633	1112.130	1112.829	1113.528	1114.227	1114.949	1115.538	1116.191	1116.844	1117.268	1117.933	1118.600	1119.394	1119.844	1120.661	1121.197	1121.715		
PIPE DETAILS	OD 160, PN10, uPVC																											
PIPE INVERT(m)	1105.730	1105.805	1105.881	1106.125	1106.844	1107.588	1108.309	1109.019	1109.730	1110.533	1111.030	1111.729	1112.428	1113.127	1113.849	1114.438	1115.091	1115.744	1116.168	1116.833	1117.500	1118.294	1118.744	1119.561	1120.097	1120.615		

OD 90, PN10, HDPE

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

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MINISTRY OF WATER AND ENVIRONMENT

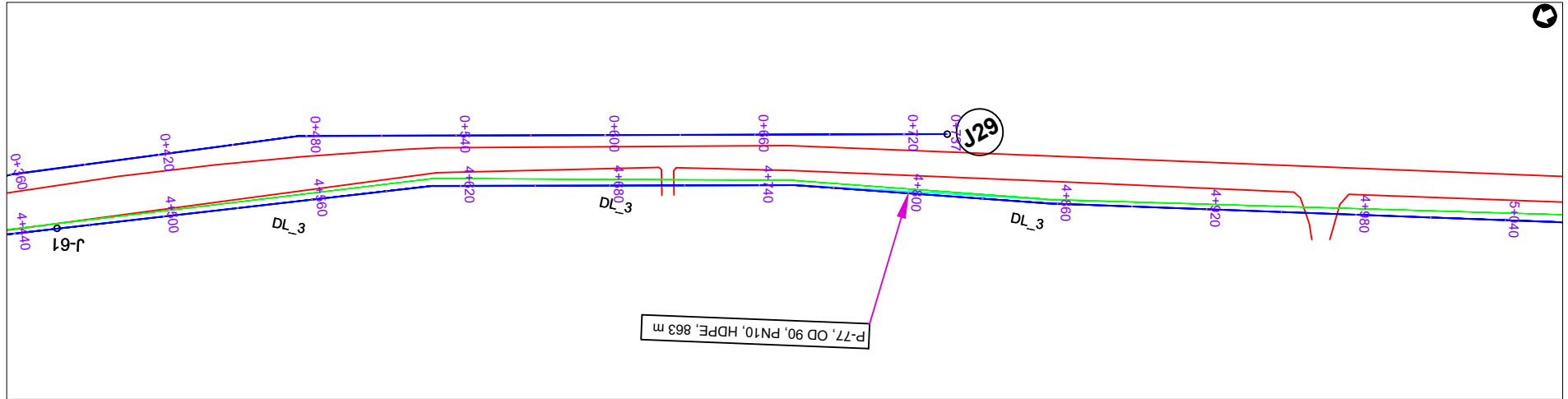
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

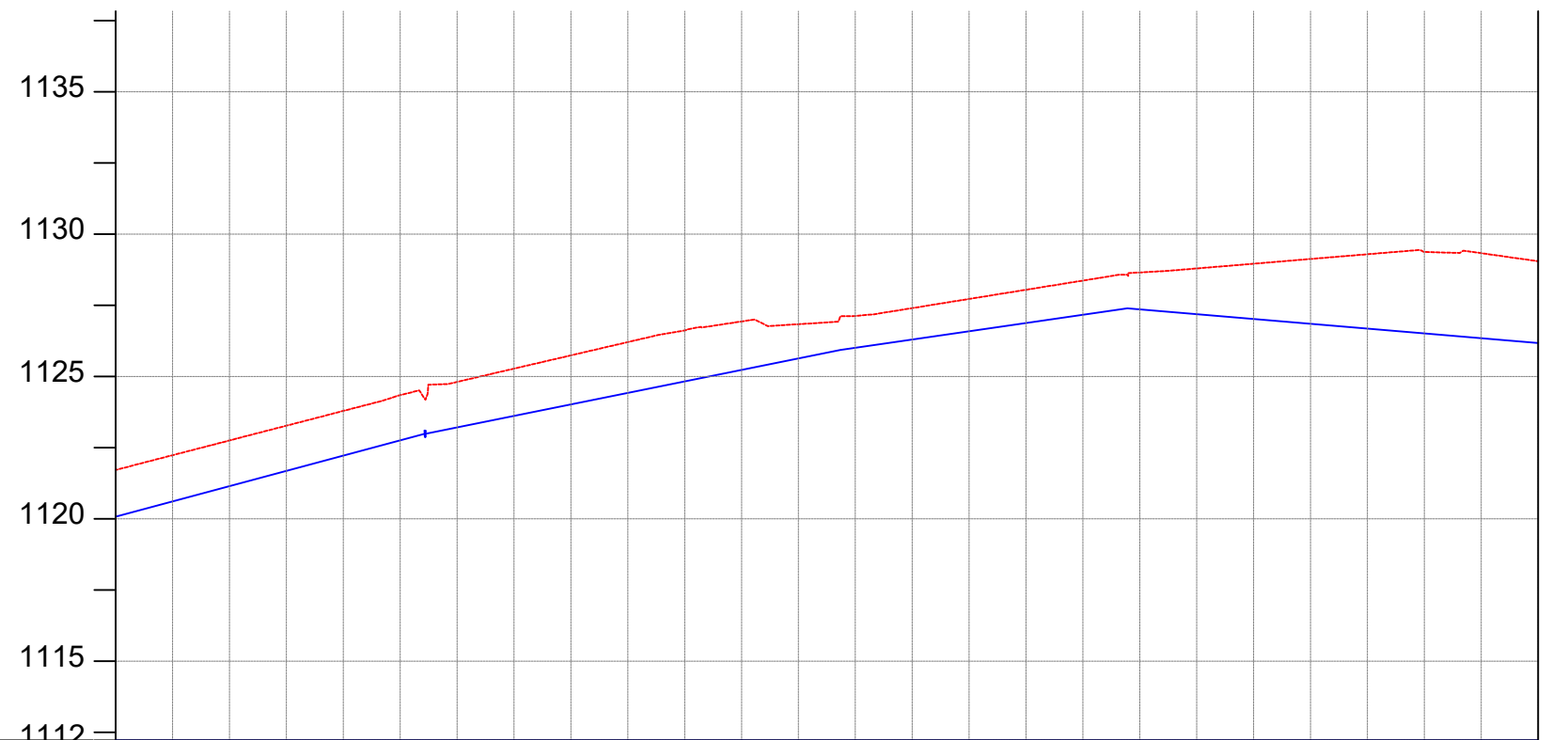


Drawing Title:
DL_3 (CH 4+000.00 - 4+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 4+000.00 - 4+500.00)	
Sheet No.: 9	Format: A3



PLAN LAYOUT



CHAINAGE	4+500	4+520	4+560	4+600	4+640	4+680	4+720	4+760	4+800	4+840	4+880	4+920	4+960	5+000														
GROUND LEVEL(m)	1121.715	1122.234	1122.752	1123.270	1123.789	1124.342	1124.808	1125.275	1125.741	1126.207	1126.617	1126.931	1126.836	1127.126	1127.401	1127.723	1128.046	1128.368	1128.654	1128.794	1128.961	1129.127	1129.293	1129.377	1129.331	1129.048		
PIPE DETAILS	OD 90, PN10, HDPE																											
PIPE INVERT(m)	1120.615	1121.134	1121.652	1122.170	1122.689	1123.242	1123.708	1124.175	1124.641	1125.107	1125.517	1125.831	1125.736	1126.026	1126.301	1126.623	1126.946	1127.268	1127.554	1127.694	1127.861	1128.027	1128.193	1128.277	1128.231	1127.948		

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 BUDAKA, KADAMA, KIBUKU & TIRINYI

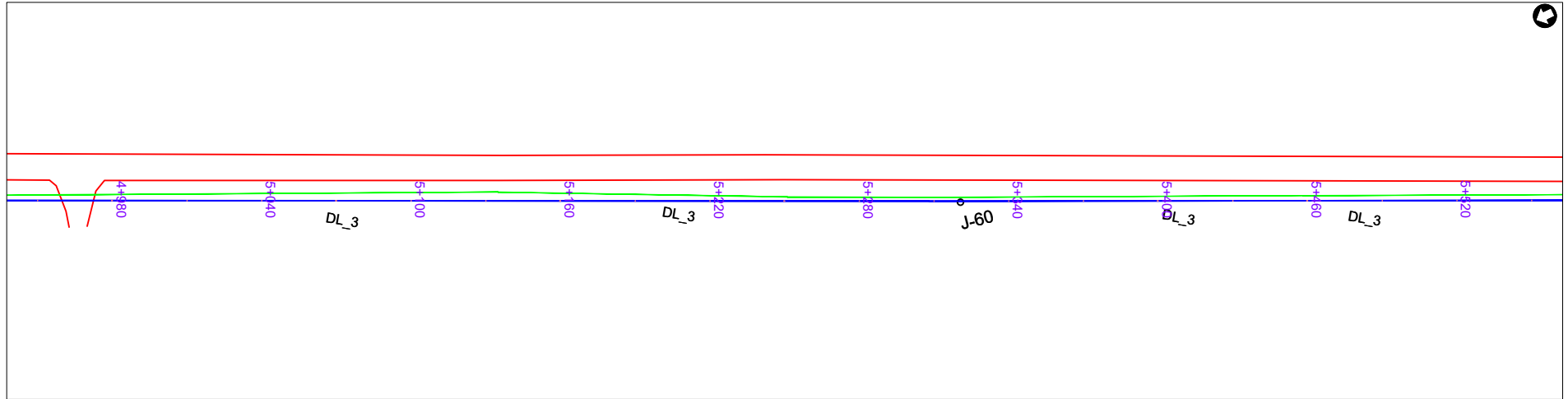
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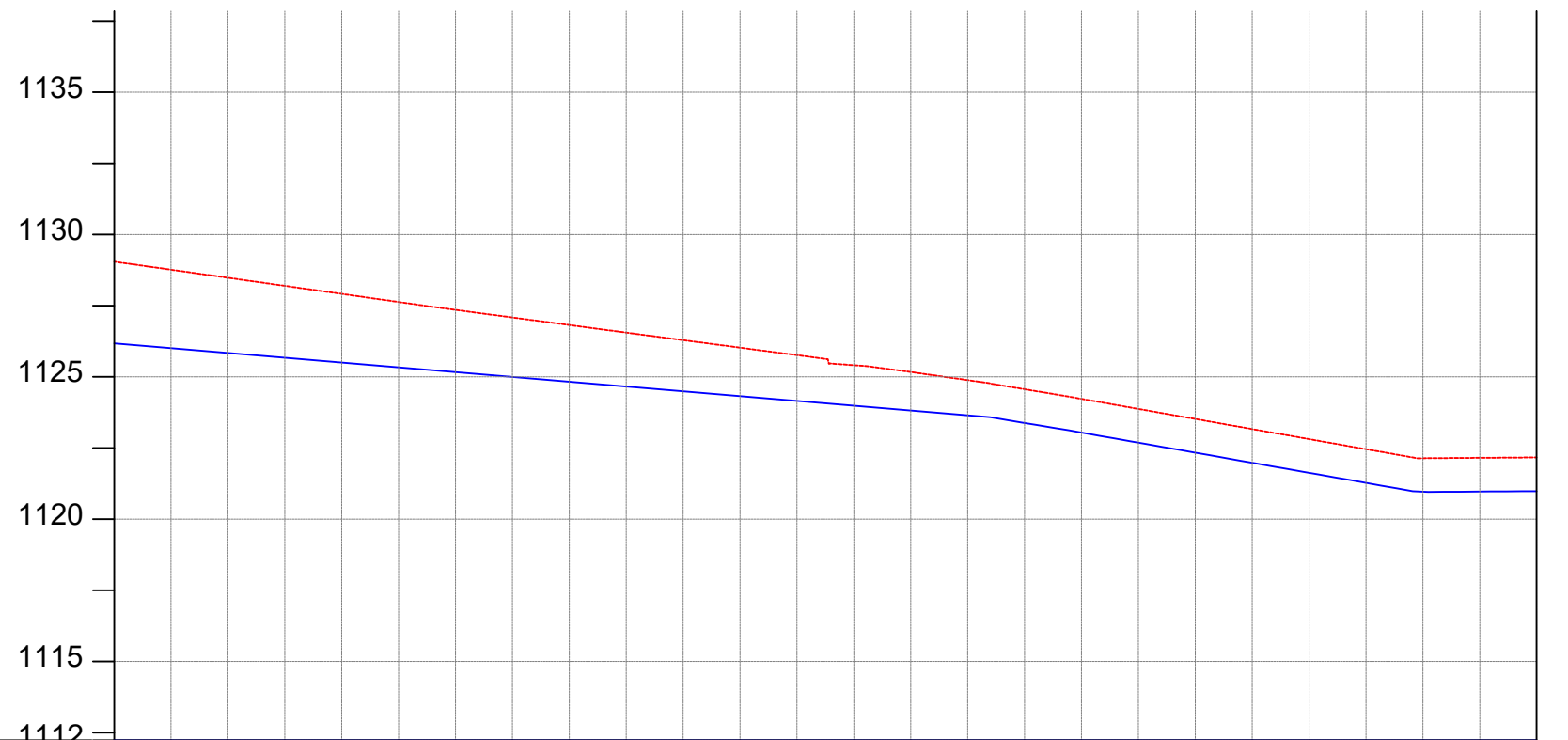
Drawing Title:

DL_3 (CH 4+500.00 - 5+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 4+500.00 - 5+000.00)	
Sheet No.: 10	Format: A3



PLAN LAYOUT



CHAINAGE	5+000		5+040		5+080		5+120		5+160		5+200		5+240		5+280		5+320		5+360		5+400		5+440		5+480	5+500
GROUND LEVEL(m)	1129.048	1128.764	1128.481	1128.197	1127.914	1127.630	1127.353	1127.087	1126.821	1126.555	1126.289	1126.026	1125.763	1125.410	1125.169	1124.886	1124.565	1124.227	1123.874	1123.520	1123.167	1122.813	1122.459	1122.141	1122.156	1122.168
PIPE DETAILS	OD 90, PN10, HDPE												OD 90, PN10, HDPE													
PIPE INVERT(m)	1127.948	1127.664	1127.381	1127.097	1126.814	1126.530	1126.253	1125.987	1125.721	1125.455	1125.189	1124.926	1124.663	1124.310	1124.069	1123.786	1123.465	1123.127	1122.774	1122.420	1122.067	1121.713	1121.359	1121.041	1121.056	1121.068

AMENDMENTS

No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

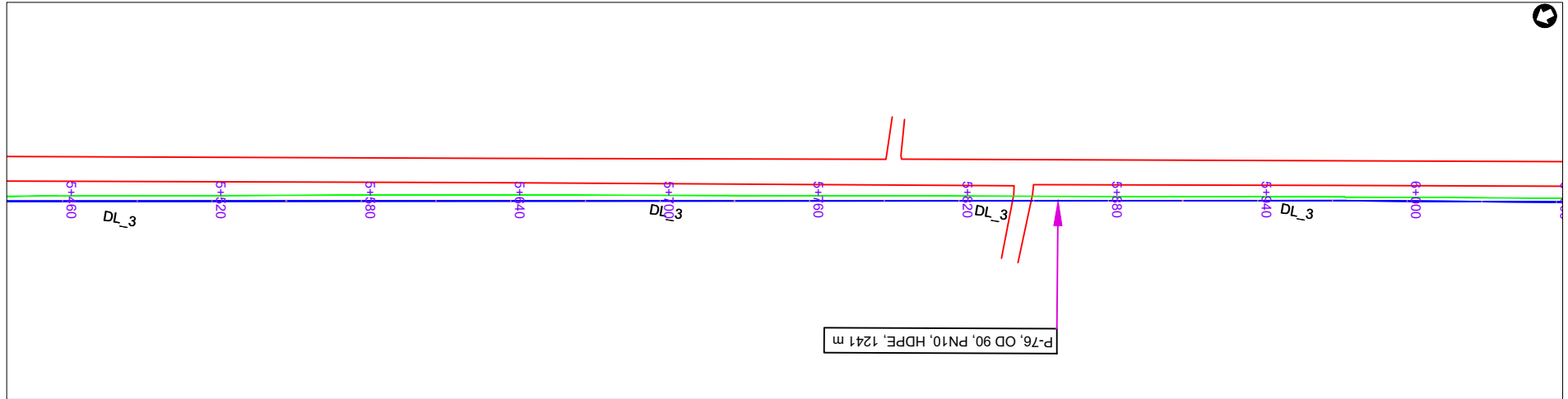
MINISTRY OF WATER AND ENVIRONMENT

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

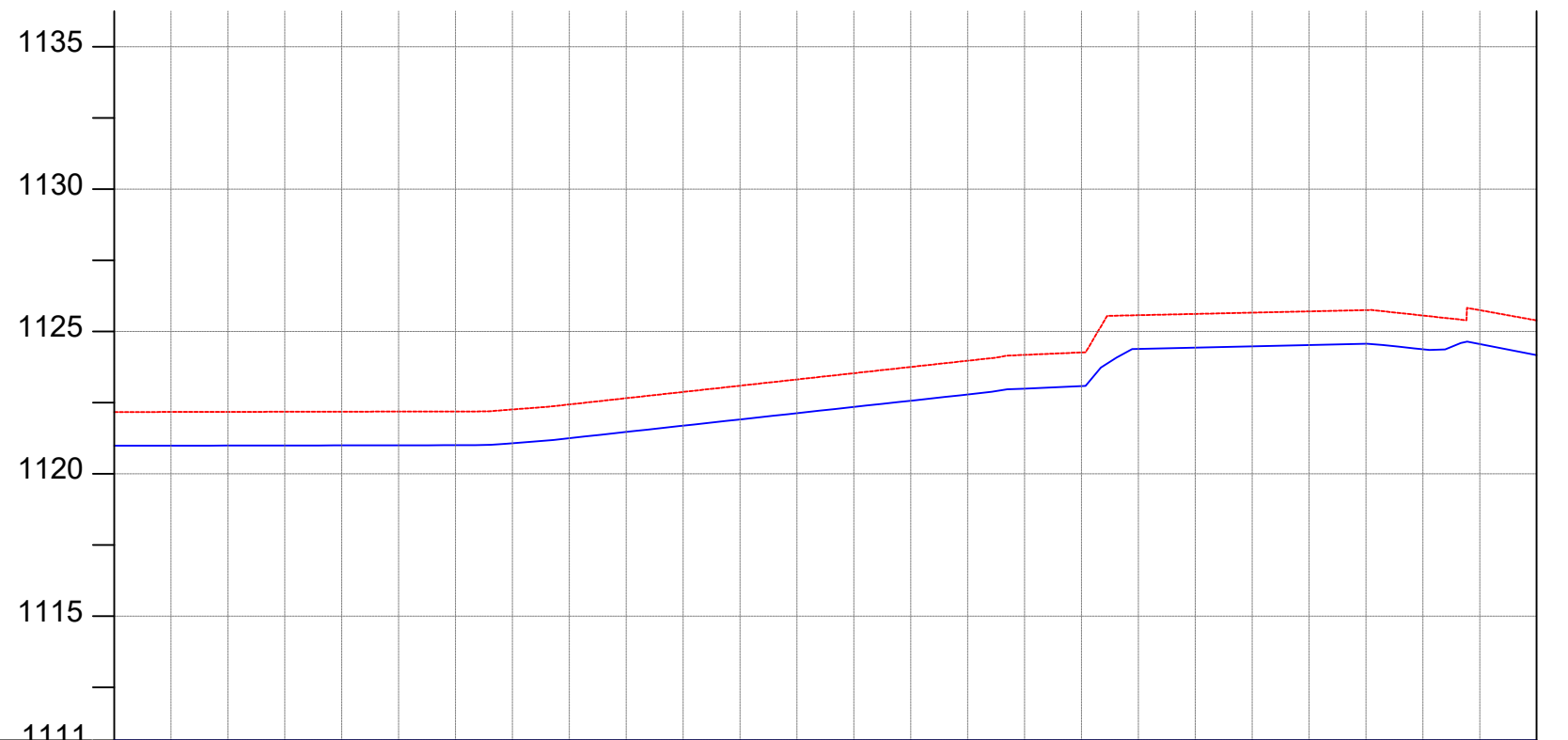
CONSULTANT:

Drawing Title:
DL_3 (CH 5+000.00 - 5+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 5+000.00 - 5+500.00)	
Sheet No.: 11	Format: A3



PLAN LAYOUT



CHAINAGE	5+500	5+520	5+560	5+600	5+640	5+680	5+720	5+760	5+800	5+840	5+880	5+920	5+960	6+000														
GROUND LEVEL(m)	1122.168	1122.171	1122.174	1122.178	1122.181	1122.184	1122.188	1122.258	1122.435	1122.654	1122.873	1123.093	1123.312	1123.532	1123.751	1123.971	1124.176	1124.262	1125.570	1125.615	1125.659	1125.704	1125.749	1125.558	1125.746	1125.386	6+000	
PIPE DETAILS	OD 90, PN10, HDPE																											
PIPE INVERT(m)	1121.068	1121.071	1121.074	1121.078	1121.081	1121.084	1121.088	1121.158	1121.335	1121.554	1121.773	1121.993	1122.212	1122.432	1122.651	1122.871	1123.076	1123.162	1124.470	1124.515	1124.559	1124.604	1124.649	1124.458	1124.646	1124.286		

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

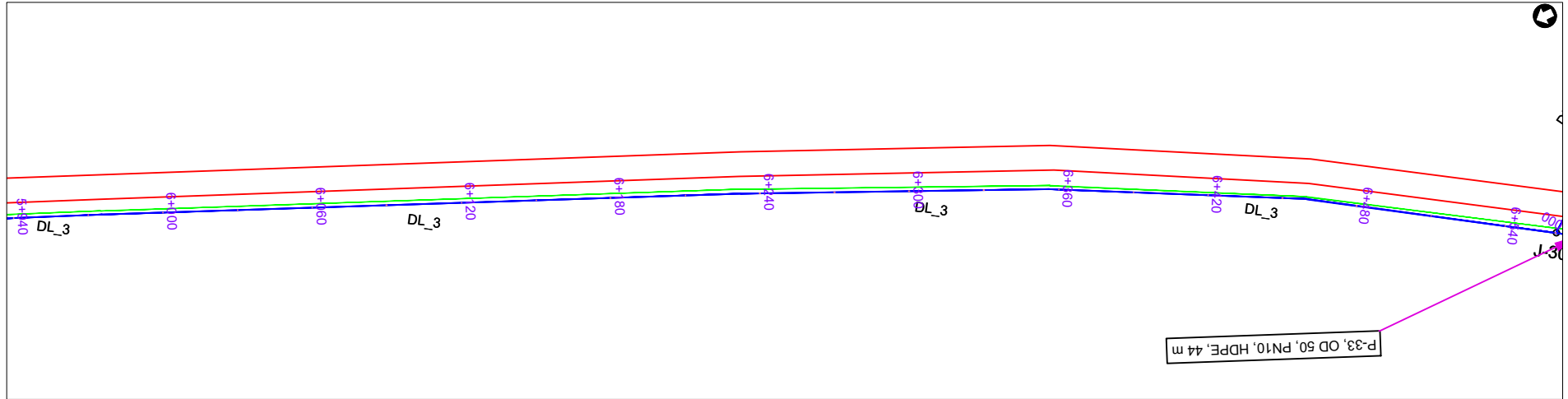
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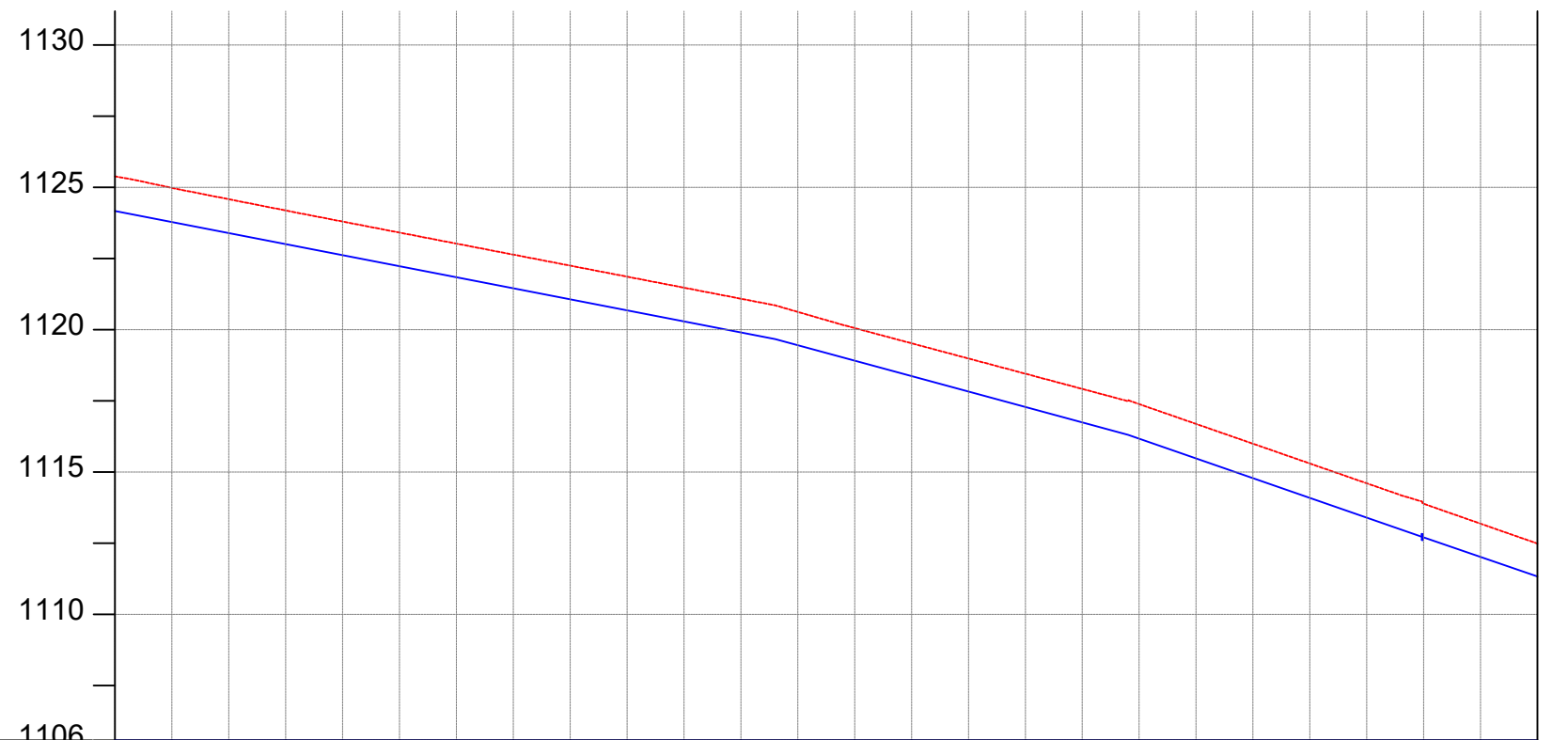
Drawing Title:

DL_3 (CH 5+500.00 - 6+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 5+500.00 - 6+000.00)	
Sheet No.: 12	Format: A3



PLAN LAYOUT



CHAINAGE	6+000	6+040	6+080	6+120	6+160	6+200	6+240	6+280	6+320	6+360	6+400	6+440	6+480	6+500													
GROUND LEVEL(m)	1125.386	1124.981	1124.583	1124.187	1123.798	1123.410	1123.023	1122.636	1122.249	1121.862	1121.474	1121.087	1120.624	1120.056	1119.521	1118.987	1118.452	1117.918	1117.384	1116.689	1115.993	1115.298	1114.602	1113.883	1113.184	1112.485	1111.385
PIPE DETAILS	OD 90, PN10, HDPE																										
PIPE INVERT(m)	1124.286	1123.881	1123.483	1123.087	1122.698	1122.310	1121.923	1121.536	1121.149	1120.762	1120.374	1119.987	1119.524	1118.956	1118.421	1117.887	1117.352	1116.818	1116.284	1115.589	1114.893	1114.198	1113.502	1112.783	1112.084		

AMENDMENTS

No	Date	Revision

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

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

REPUBLIC OF UGANDA

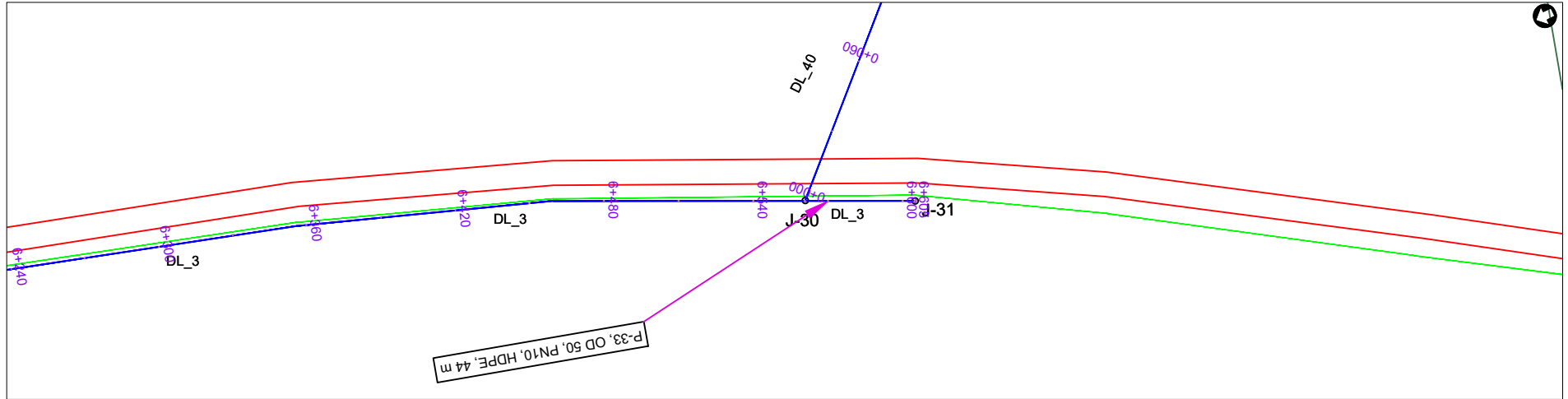
MINISTRY OF WATER AND ENVIRONMENT

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

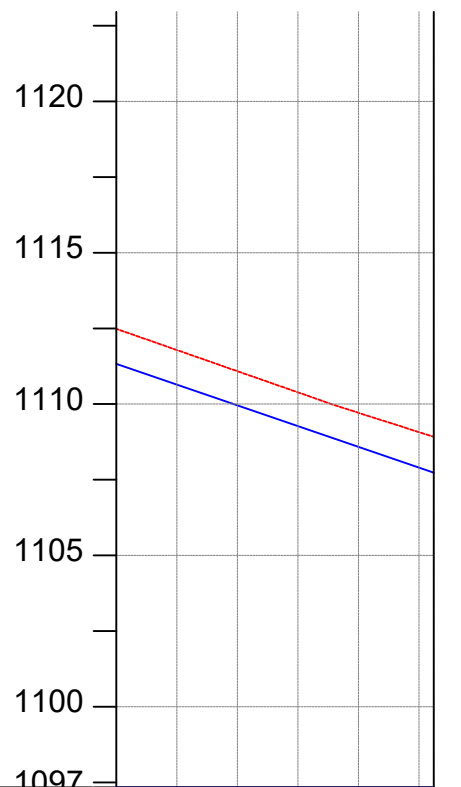
CONSULTANT:

Drawing Title:
DL_3 (CH 6+000.00 - 6+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 6+000.00 - 6+500.00)	
Sheet No.: 13	Format: A3



PLAN LAYOUT



CHAINAGE	6+500	6+520		6+560		6+600
GROUND LEVEL(m)	1112.485	1111.786	1111.087	1110.387	1109.712	1109.074
PIPE DETAILS	OD 50, PN10, HDPE					
PIPE INVERT(m)	1111.385	1110.686	1109.987	1109.287	1108.612	1107.974

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

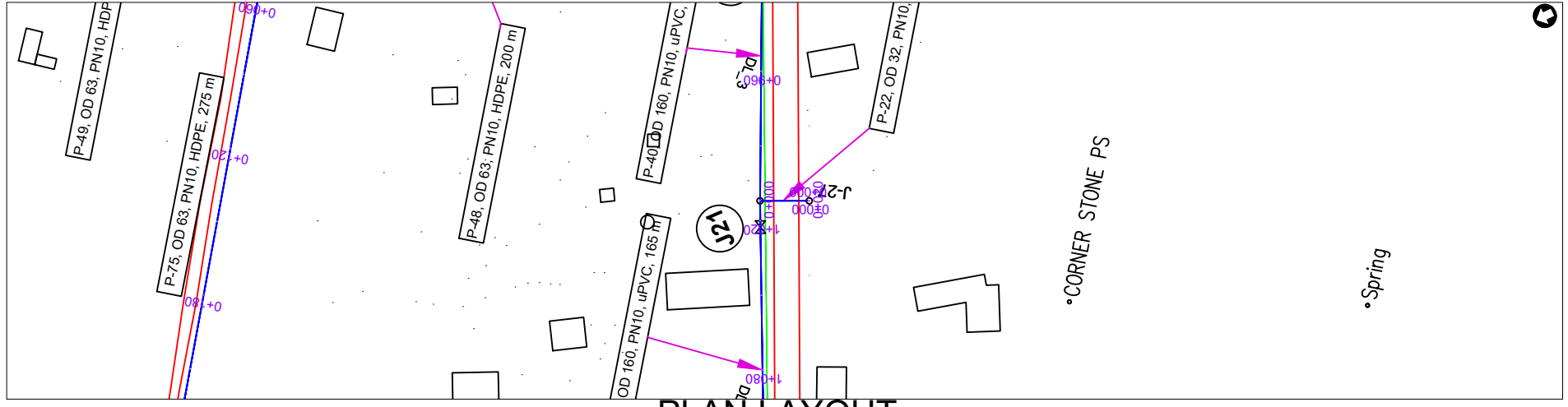
PROJECT:
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:



Drawing Title:
DL_3 (CH 6+500.00 - 6+604.86)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_3 (CH 6+500.00 - 6+604.86)	
Sheet No.: 14	Format: A3



PLAN LAYOUT

	1150	
	1145	
	1140	
	1135	
	1130	
	1128	
CHAINAGE	0+000	0+020
GROUND LEVEL(m)	1141.480	1140.746
PIPE DETAILS		
PIPE INVERT(m)	1140.380	1139.646

OD 32,PN10, HDPE

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
	Double Orifice Air Valve
	Type 2 Washout
	Node detail No. 01

REPUBLIC OF UGANDA

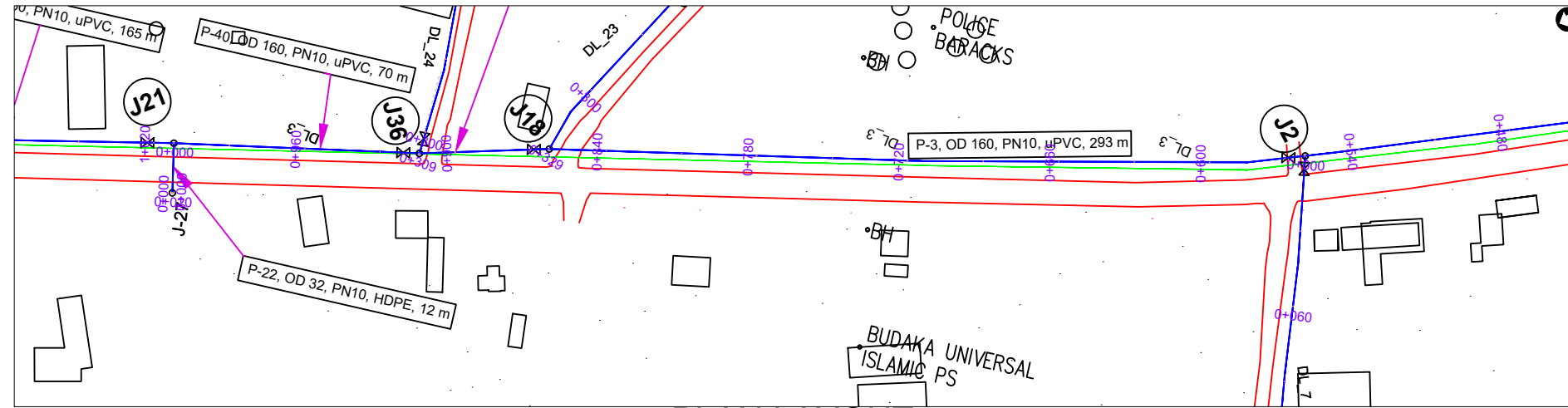
MINISTRY OF WATER AND ENVIRONMENT

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

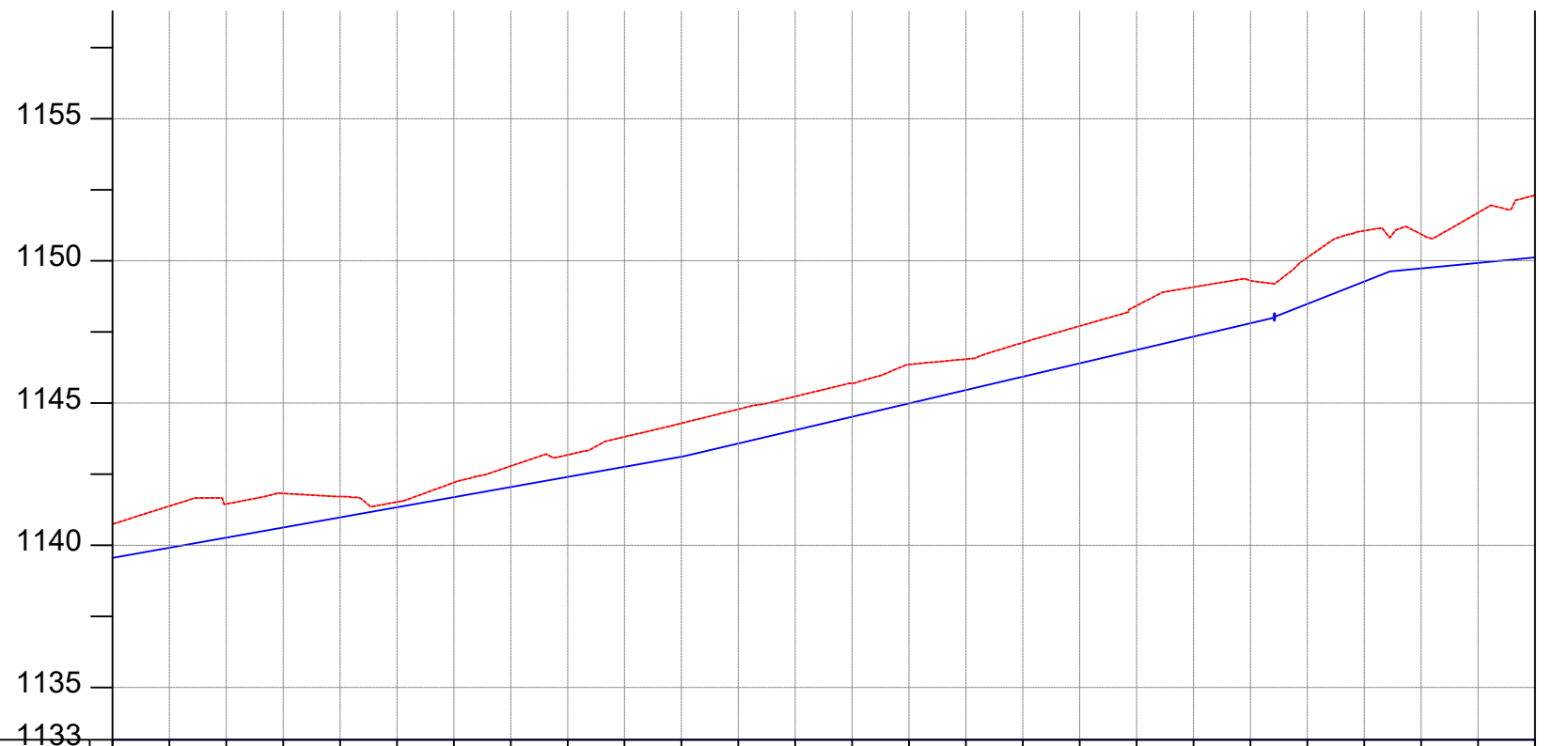
CONSULTANT:

Drawing Title:
DL_4 (CH 0+000.00 - 0+019.78)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_4 (CH 0+000.00 - 0+019.78)	
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)	1140.746	1141.377	1141.452	1141.824	1141.714	1141.526	1142.206	1142.786	1143.179	1143.814	1144.291	1144.785	1145.234	1145.694	1146.359	1146.546	1147.127	1147.709	1148.427	1149.079	1149.305	1150.117	1151.059	1150.936	1151.691	1152.307
PIPE DETAILS	OD32, PN10, HDPE																									
PIPE INVERT(m)	1139.646	1140.277	1140.352	1140.724	1140.614	1140.426	1141.106	1141.686	1142.079	1142.714	1143.191	1143.685	1144.134	1144.594	1145.259	1145.446	1146.027	1146.609	1147.327	1147.979	1148.205	1149.017	1149.959	1149.836	1150.591	1151.207

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

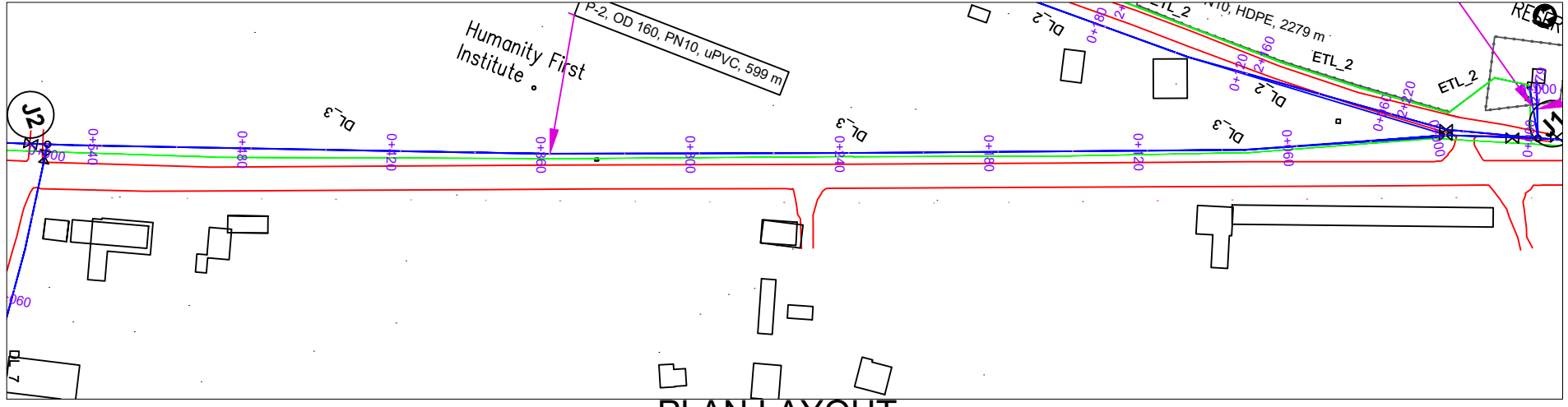
CONSULTANT:



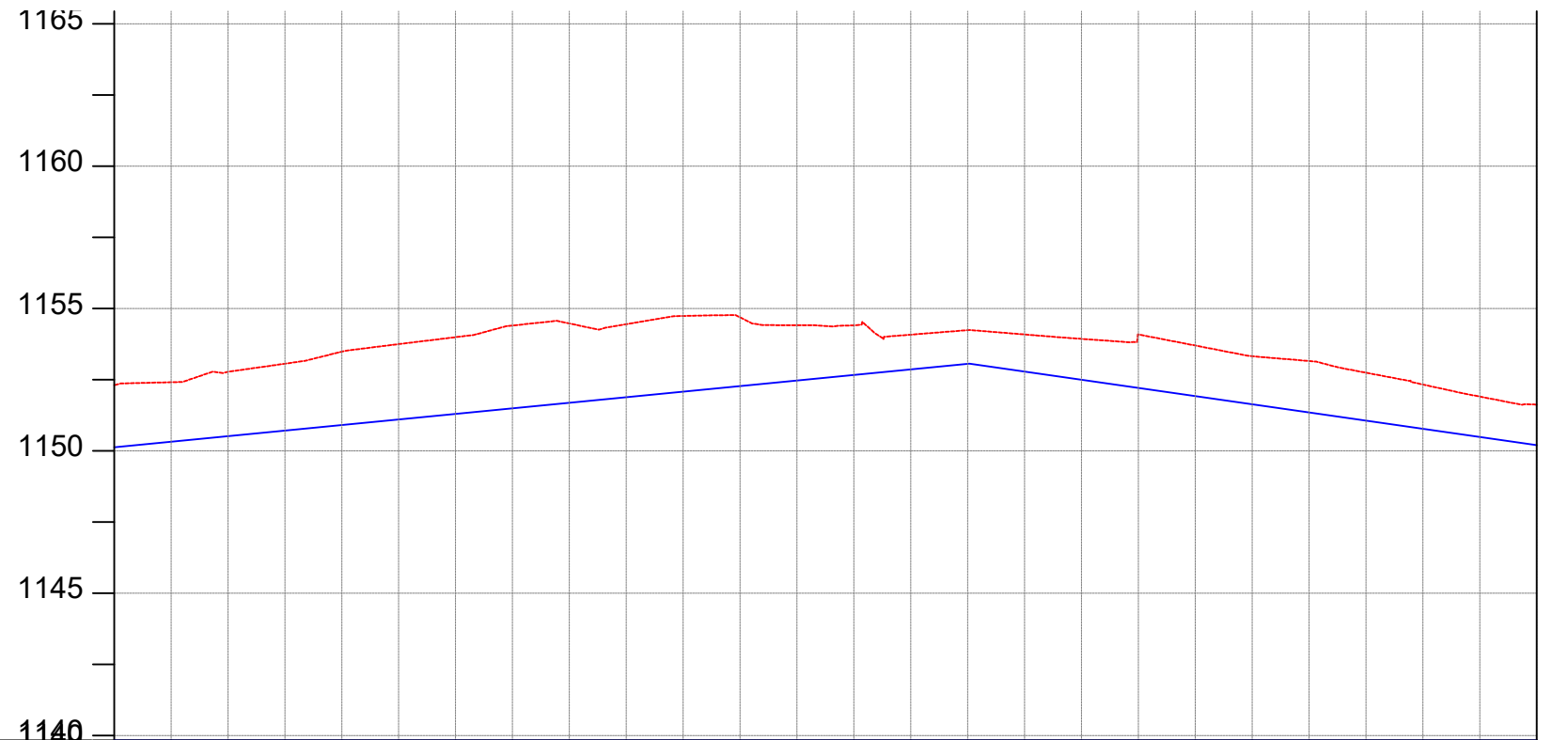
Drawing Title:

DL_5 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_5 (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)	1152.307	1152.410	1152.777	1153.060	1153.484	1153.749	1153.993	1154.402	1154.475	1154.449	1154.738	1154.412	1154.406	1154.081	1154.240	1154.088	1153.933	1154.089	1153.700	1153.326	1153.155	1152.745	1152.329	1151.906	1151.620	
PIPE DETAILS	OD32, PN10, HDPE																									
PIPE INVERT(m)	1151.207	1151.310	1151.677	1151.960	1152.384	1152.649	1152.893	1153.302	1153.375	1153.349	1153.638	1153.589	1153.312	1153.306	1152.981	1153.140	1152.988	1152.833	1152.989	1152.600	1152.226	1152.055	1151.645	1151.229	1150.806	1150.520

AMENDMENTS

No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

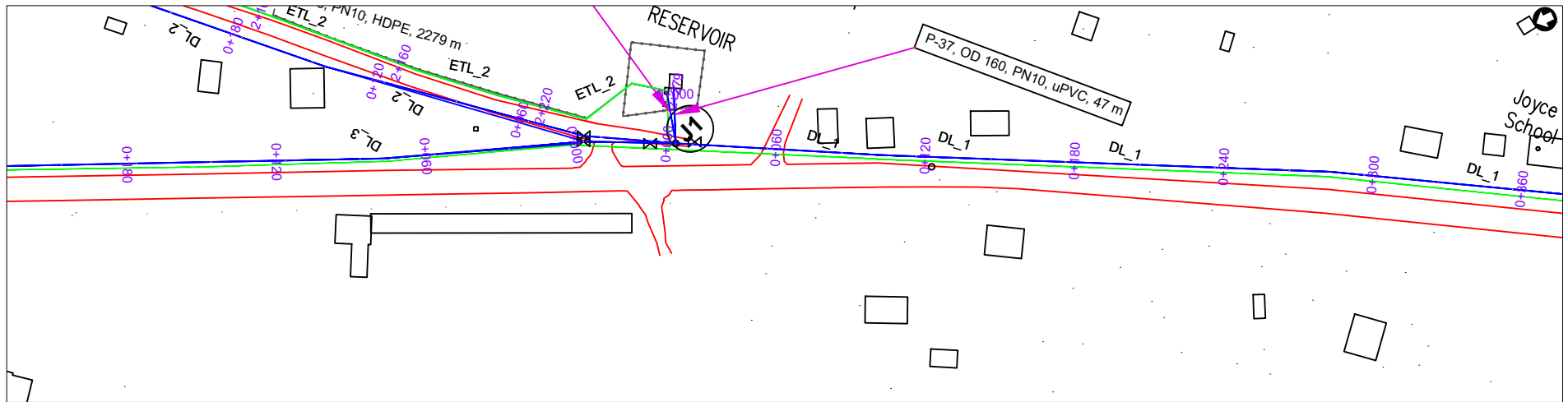
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

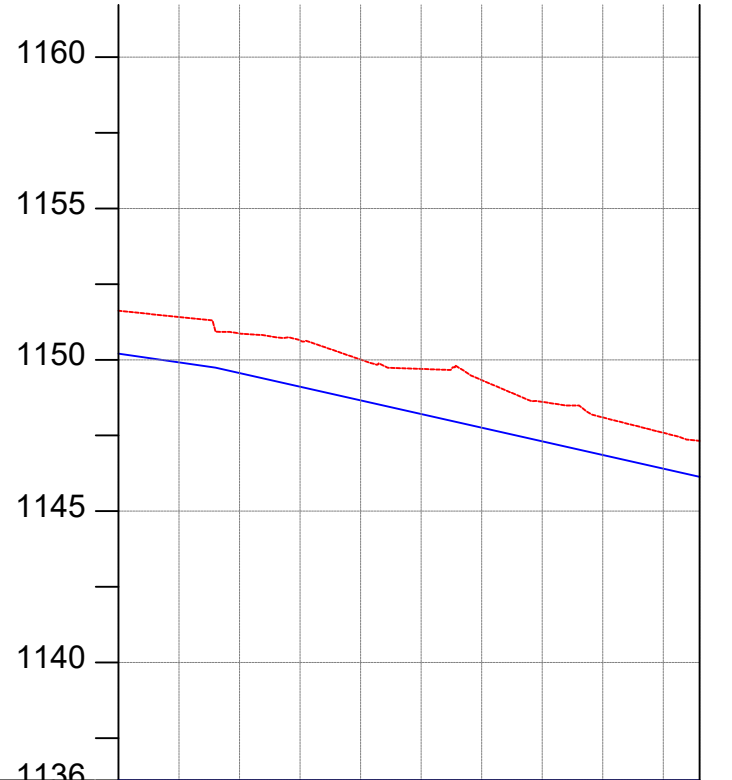
Drawing Title:

DL_5 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_5 (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+192
GROUND LEVEL(m)	1151.620	1151.414	1150.869	1150.641	1150.008	1149.699	1149.331	1148.611	1148.097	1147.590	1147.322
PIPE DETAILS	OD32, PN10, HDPE										
PIPE INVERT(m)	1150.520	1150.314	1149.769	1149.541	1148.908	1148.599	1148.231	1147.511	1146.997	1146.490	1146.222

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 BUDAKA, KADAMA, KIBUKU & TIRINYI

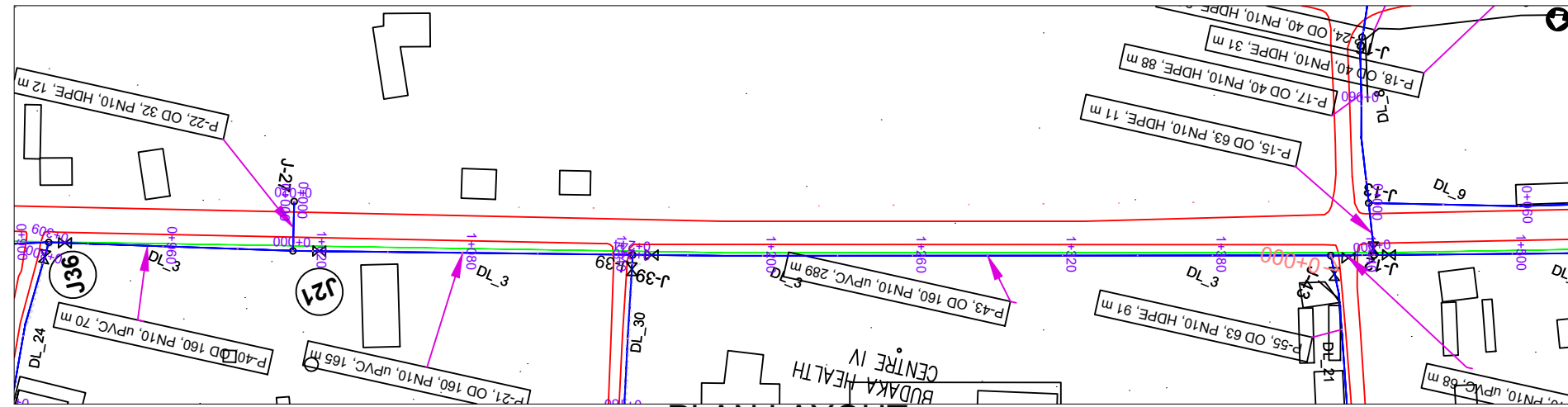
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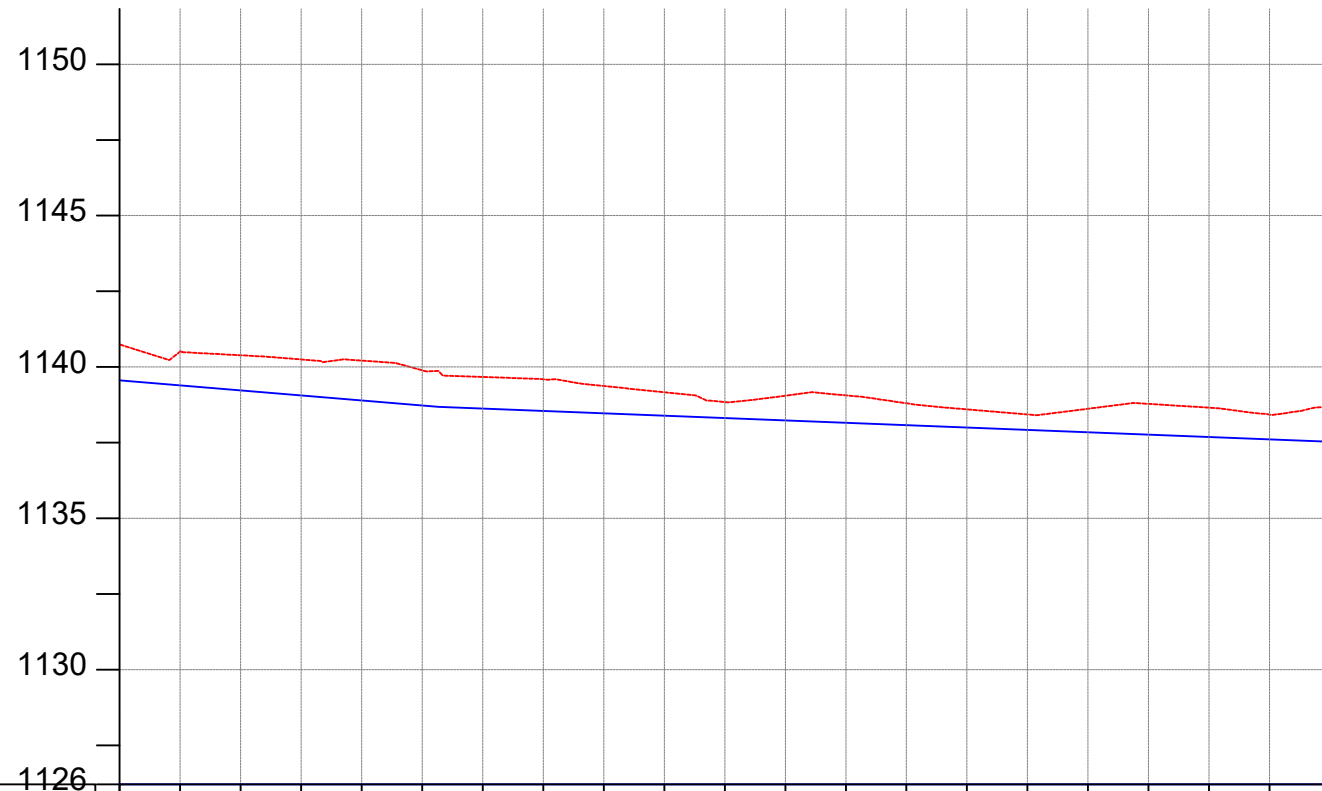
Drawing Title:

DL_5 (CH 1+000.00 - 1+192.04)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_5 (CH 1+000.00 - 1+192.04)	
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
GROUND LEVEL(m)	1140.746	1140.512	1140.387	1140.249	1140.212	1139.893	1139.670	1139.591	1139.371	1139.167	1138.841	1139.051	1139.063	1138.802	1138.600	1138.433	1138.621	1138.782	1138.656	1138.425	1138.702
PIPE DETAILS	OD32, PN10, HDPE																				
PIPE INVERT(m)	1139.646	1139.412	1139.287	1139.149	1139.112	1138.793	1138.570	1138.491	1138.271	1138.067	1137.741	1137.951	1137.963	1137.702	1137.500	1137.333	1137.521	1137.682	1137.556	1137.325	1137.602

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 BUDAKA, KADAMA, KIBUKU & TIRINYI

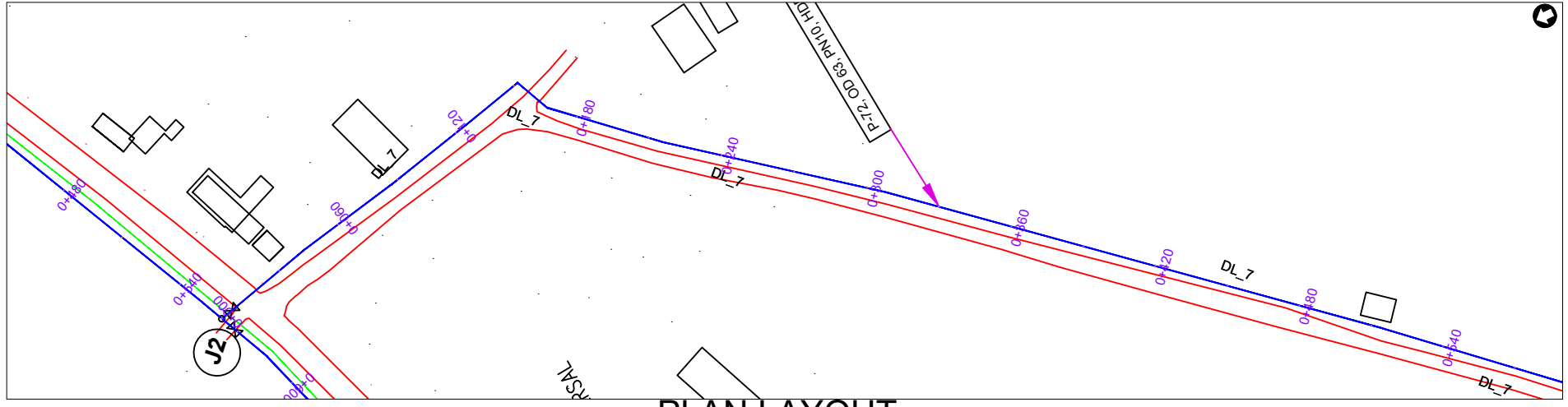
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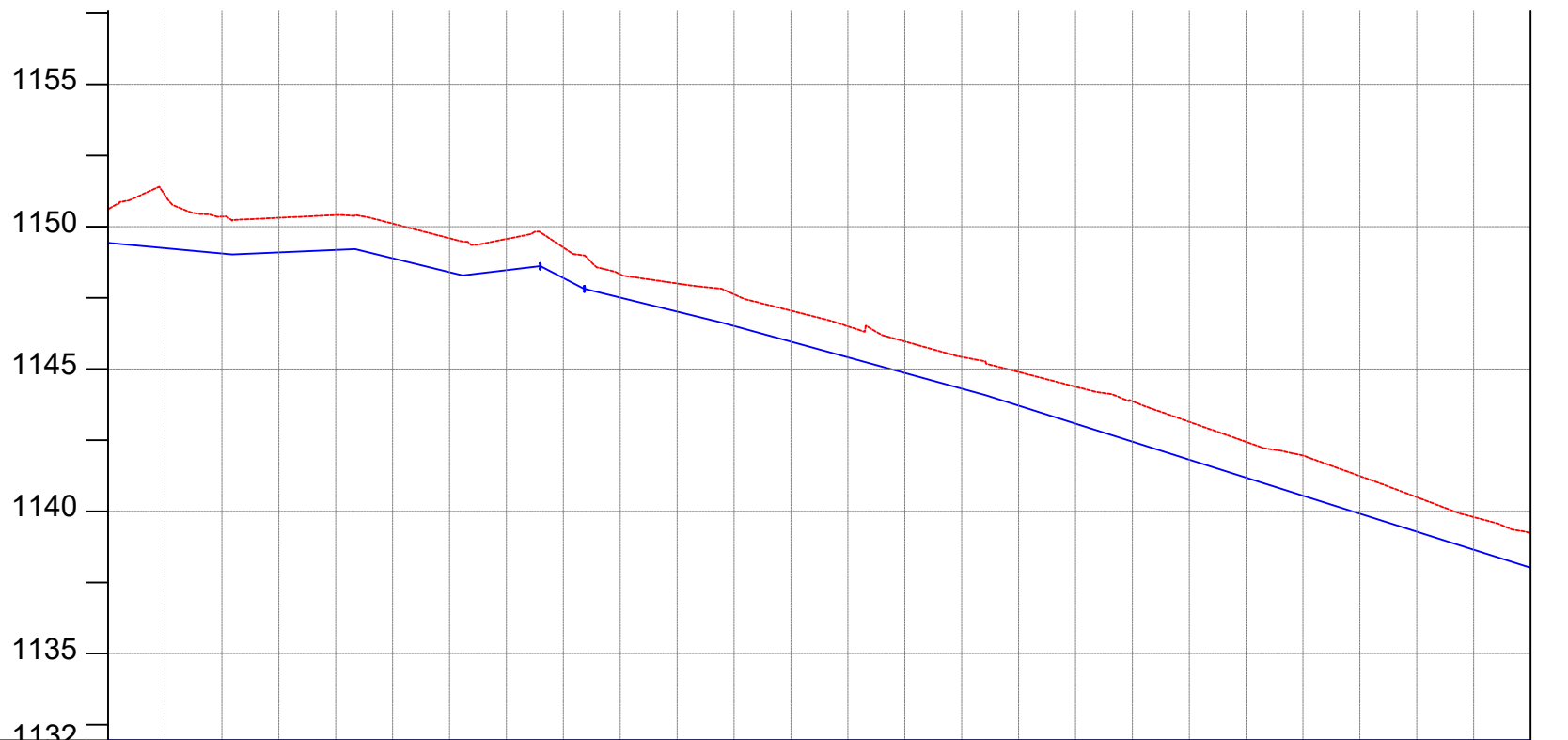
Drawing Title:

DL_6 (CH 0+000.00 - 0+400.85)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL_6 (CH 0+000.00 - 0+400.85)
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)	1150.613	1151.096	1150.354	1150.312	1150.409	1150.107	1149.592	1149.567	1149.266	1148.323	1148.003	1147.621	1147.047	1146.499	1145.966	1145.423	1144.894	1144.379	1143.867	1143.142	1142.437	1141.960	1141.237	1140.495	1139.795	1139.228	0+500	
PIPE DETAILS	OD63, PN10, HDPE																											
PIPE INVERT(m)	1149.513	1149.996	1149.254	1149.212	1149.309	1149.007	1148.492	1148.467	1148.166	1147.223	1146.903	1146.521	1145.947	1145.399	1144.866	1144.323	1143.794	1143.279	1142.767	1142.042	1141.337	1140.860	1140.137	1139.395	1138.695	1138.128	0+500	

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 BUDAKA, KADAMA, KIBUKU & TIRINYI

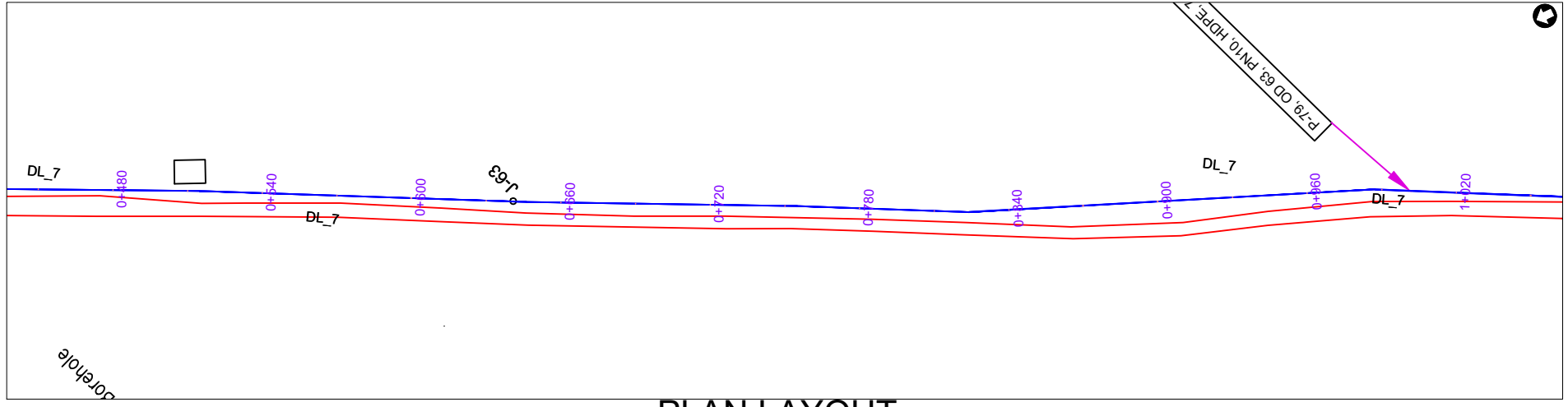
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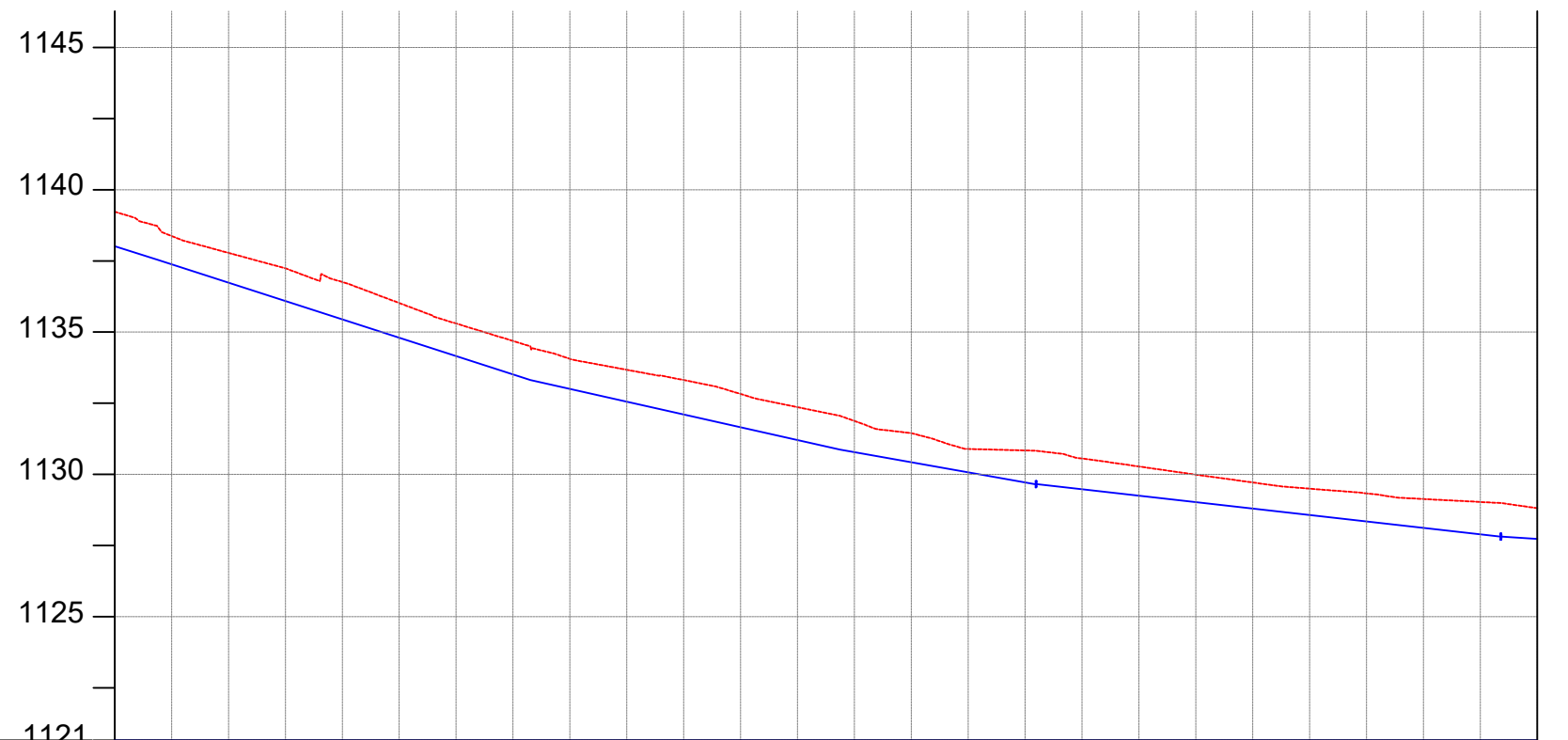
Drawing Title:

DL_7 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_7 (CH 0+000.00 - 0+500.00)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+500	0+520	0+560	0+600	0+640	0+680	0+720	0+760	0+800	0+840	0+880	0+920	0+960	1+000														
GROUND LEVEL(m)	1139.228	1138.374	1137.782	1137.240	1136.760	1136.021	1135.301	1134.688	1134.060	1133.675	1133.315	1132.825	1132.363	1131.878	1131.450	1130.894	1130.841	1130.558	1130.278	1129.991	1129.717	1129.499	1129.335	1129.135	1129.032	1128.813	1+000	
PIPE DETAILS	OD63, PN10, HDPE																											
PIPE INVERT(m)	1138.128	1137.274	1136.682	1136.140	1135.660	1134.921	1134.201	1133.588	1132.960	1132.575	1132.215	1131.725	1131.263	1130.778	1130.350	1129.794	1129.741	1129.458	1129.178	1128.891	1128.617	1128.399	1128.235	1128.035	1127.932	1127.713	1+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. MBW/0.0.0
4. For Node details, see Dwg. MBW/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

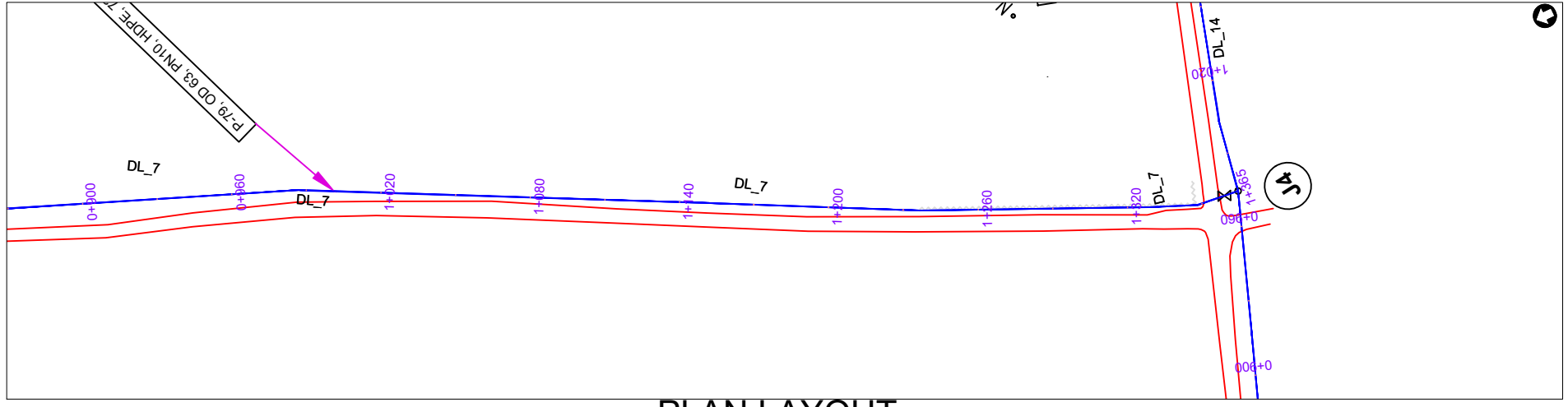
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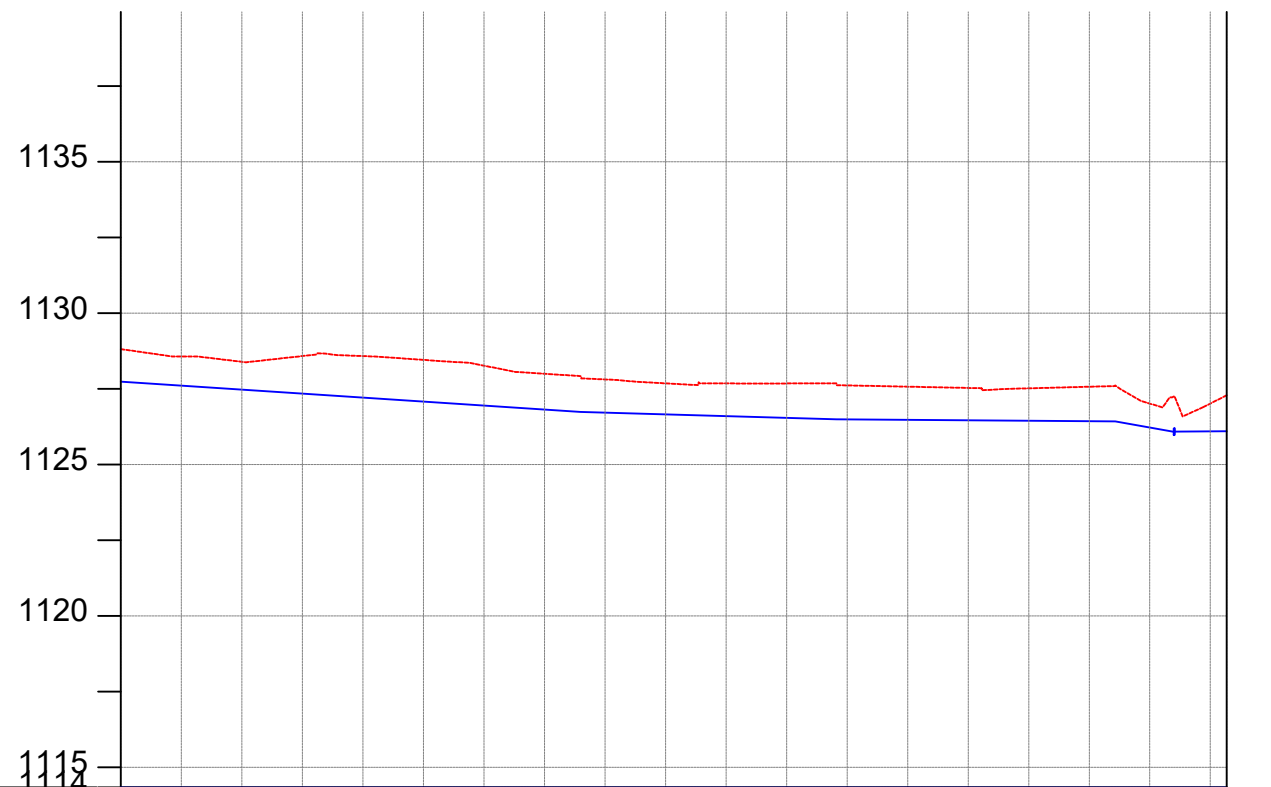
Drawing Title:

DL_7 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_7 (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+365.38
GROUND LEVEL(m)	1128.813	1128.571	1128.394	1128.584	1128.583	1128.457	1128.265	1127.998	1127.811	1127.681	1127.679	1127.678	1127.614	1127.572	1127.530	1127.517	1127.570	1127.014	1127.285
PIPE DETAILS	OD63, PN10, HDPE																		
PIPE INVERT(m)	1127.713	1127.471	1127.294	1127.484	1127.483	1127.357	1127.165	1126.898	1126.711	1126.581	1126.579	1126.578	1126.514	1126.472	1126.430	1126.417	1126.470	1125.914	1126.185

AMENDMENTS

No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

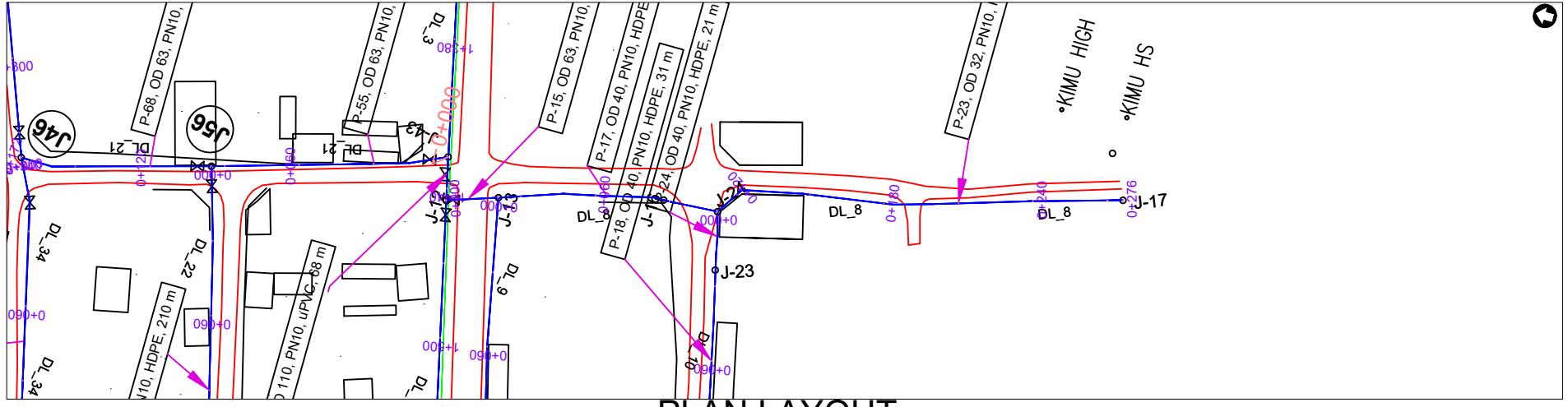
MINISTRY OF WATER AND ENVIRONMENT

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

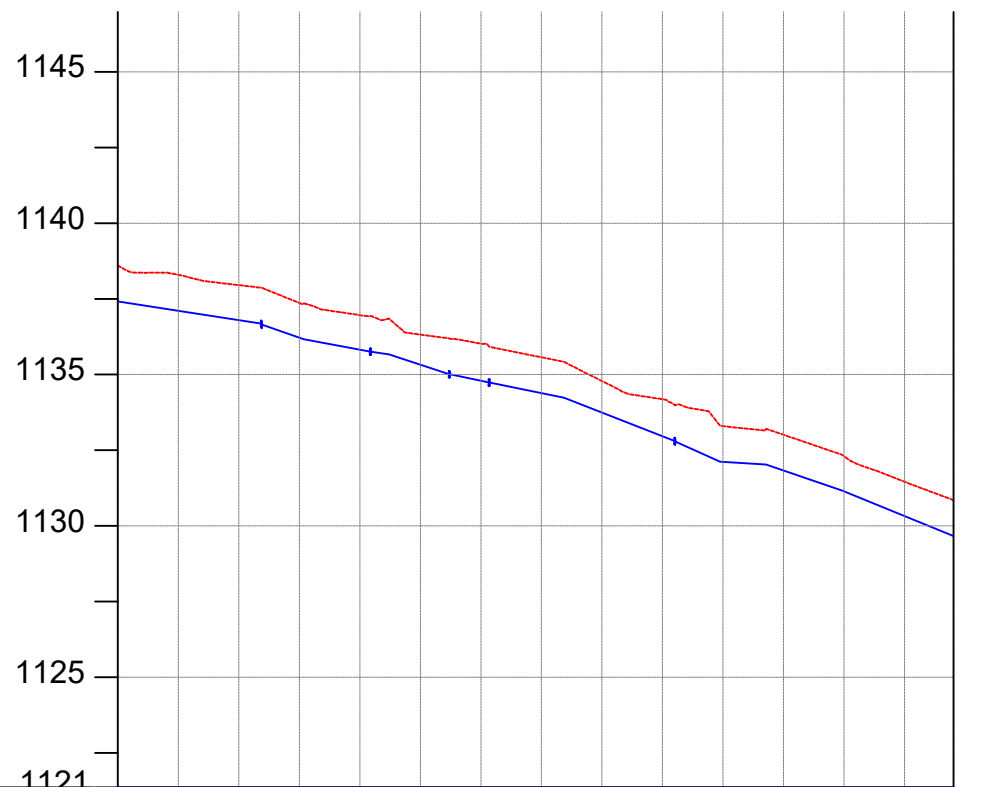
CONSULTANT:

Drawing Title:
DL_7 (CH 1+000.00 - 1+365.38)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_7 (CH 1+000.00 - 1+365.38)	
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+160	0+200	0+240	0+276
GROUND LEVEL(m)	1138.601	1138.294	1137.954	1137.366	1136.963	1136.319	1136.019	1135.570
PIPE DETAILS	OD40, PN10, HDPE							
PIPE INVERT(m)	1137.501	1137.194	1136.854	1136.266	1135.863	1135.219	1134.919	1134.470
								1133.686
								1133.084
								1132.196
								1131.912
								1131.202
								1130.359
								1129.752

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
- (N01) Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

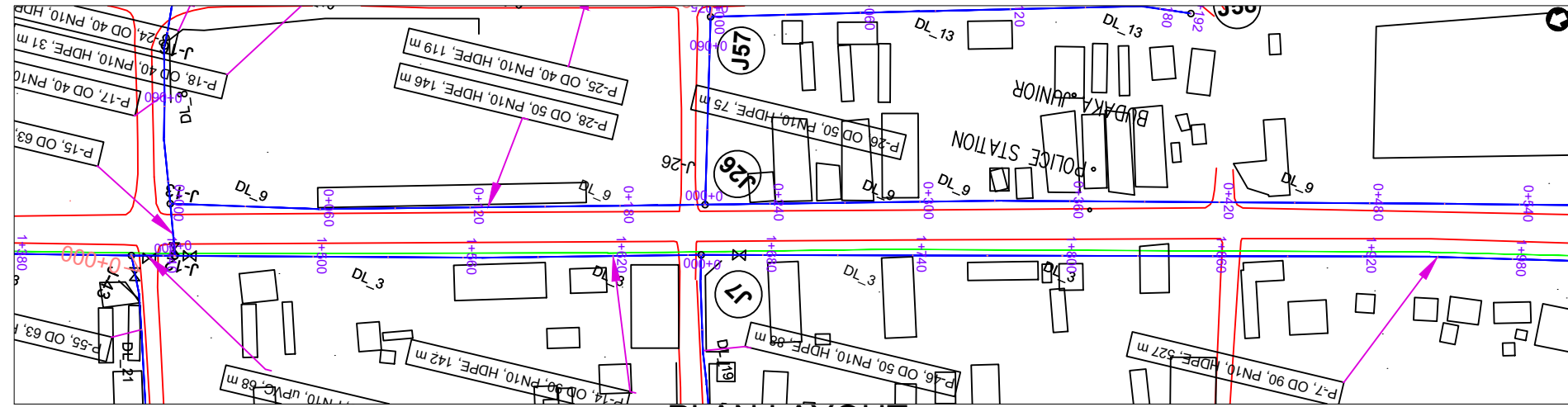
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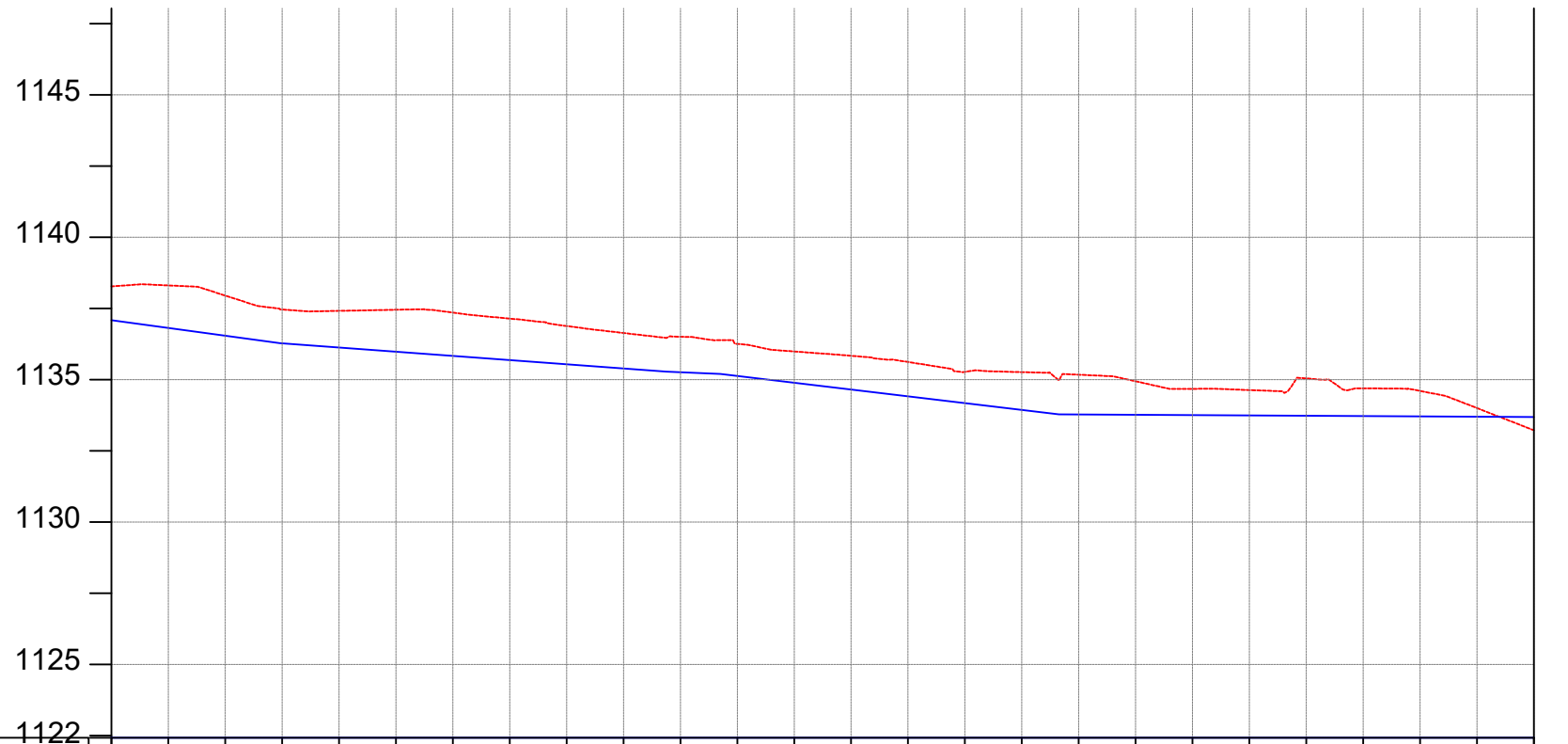
Drawing Title:

DL_8 (CH 0+000.00 - 0+276.16)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_8 (CH 0+000.00 - 0+276.16)	
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)	1138.276	1138.311	1137.954	1137.464	1137.417	1137.456	1137.356	1137.146	1136.885	1136.640	1136.508	1136.257	1135.991	1135.839	1135.622	1135.274	1135.266	1135.175	1134.944	1134.679	1134.636	1135.045	1134.695	1134.605	1134.002	1133.224
PIPE DETAILS	OD 50, PN10, HDPE																									
PIPE INVERT(m)	1137.176	1137.211	1136.854	1136.364	1136.317	1136.356	1136.046	1135.785	1135.540	1135.408	1135.157	1134.891	1134.739	1134.522	1134.174	1134.166	1134.075	1133.844	1133.579	1133.536	1133.945	1133.595	1133.505	1132.902	1132.124	

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

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

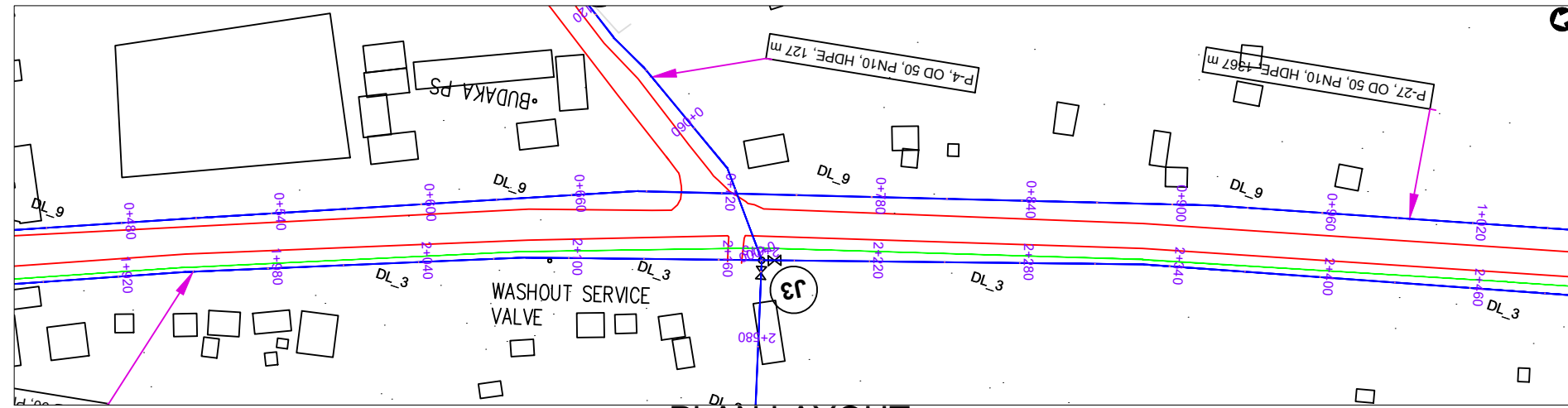
CONSULTANT:



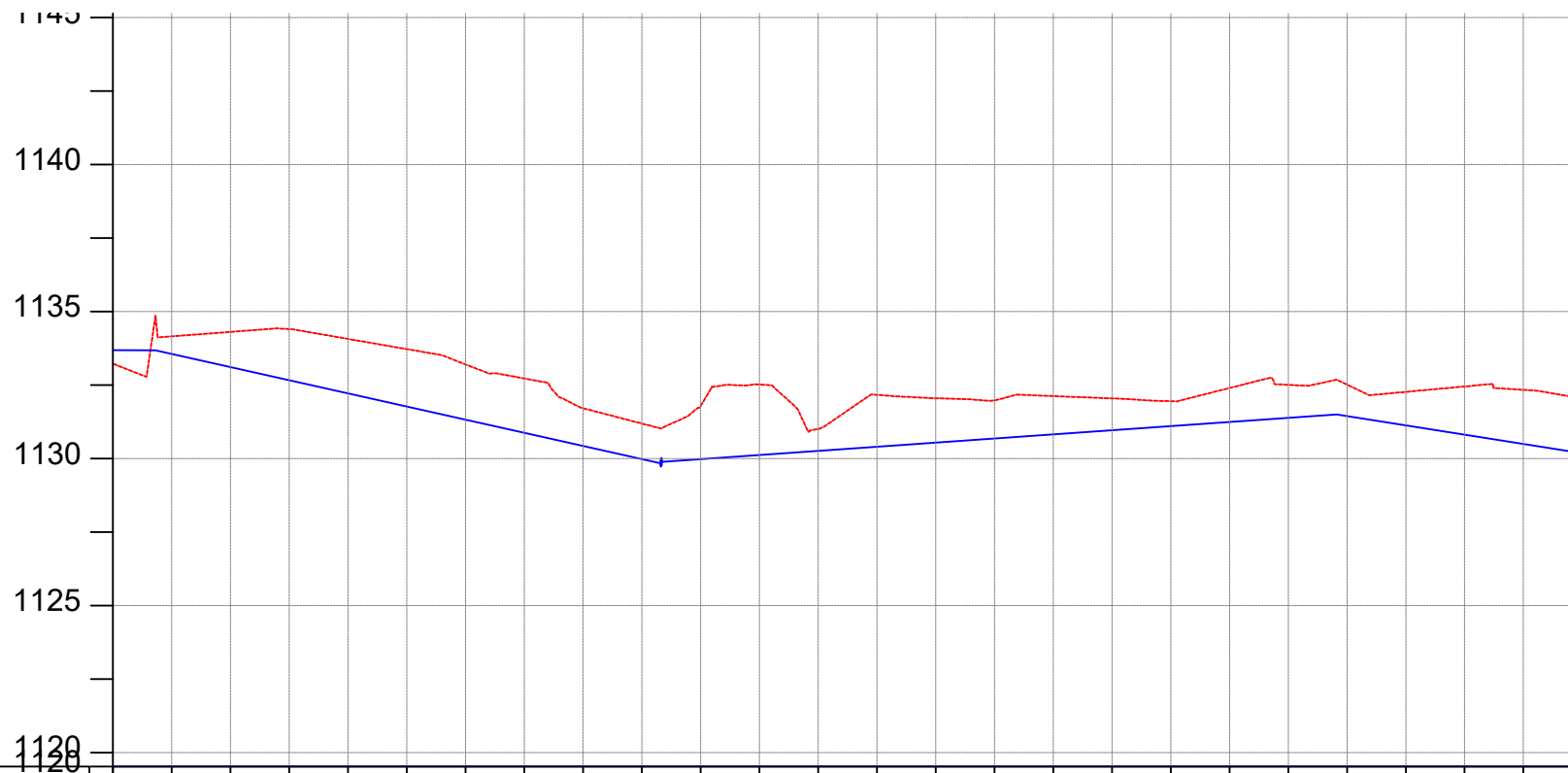
Drawing Title:

DL_9 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_9 (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)	1133.224	1134.158	1134.309	1134.403	1134.070	1133.724	1133.202	1132.725	1131.712	1131.191	1131.785	1132.519	1131.007	1132.168	1132.052	1131.977	1132.125	1132.047	1131.951	1132.400	1132.507	1132.515	1132.268	1132.452	1132.337	1132.045	1132.045	
PIPE DETAILS	OD 50, PN10, HDPE																											
PIPE INVERT(m)	1132.124	1133.058	1133.209	1133.303	1132.970	1132.624	1132.102	1131.625	1130.612	1130.091	1130.685	1131.419	1129.907	1131.068	1130.952	1130.877	1131.025	1130.947	1130.851	1131.300	1131.407	1131.415	1131.168	1131.352	1131.237	1130.945	1130.945	

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

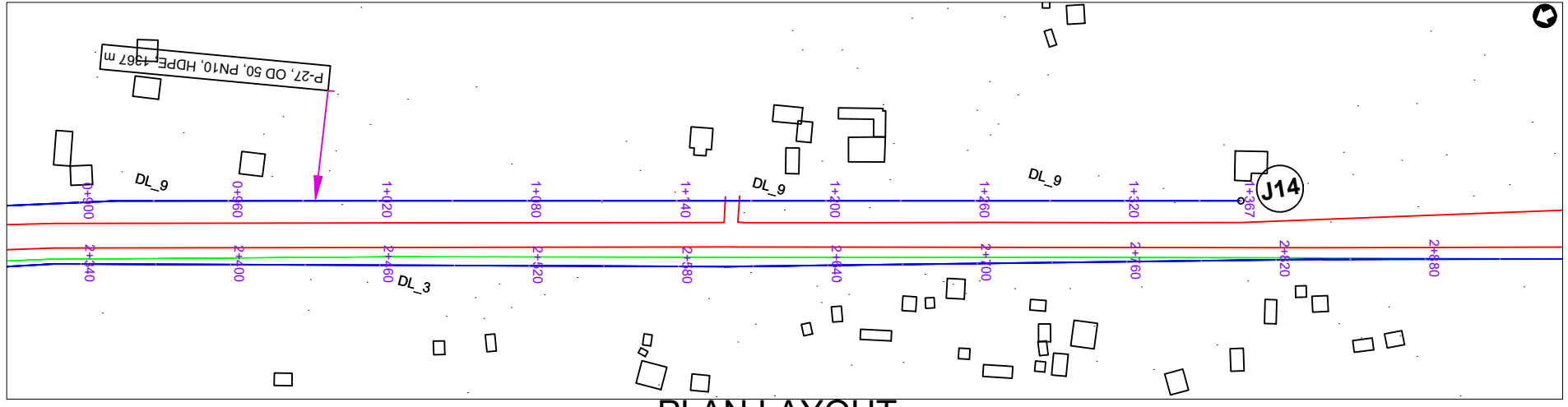
CONSULTANT:



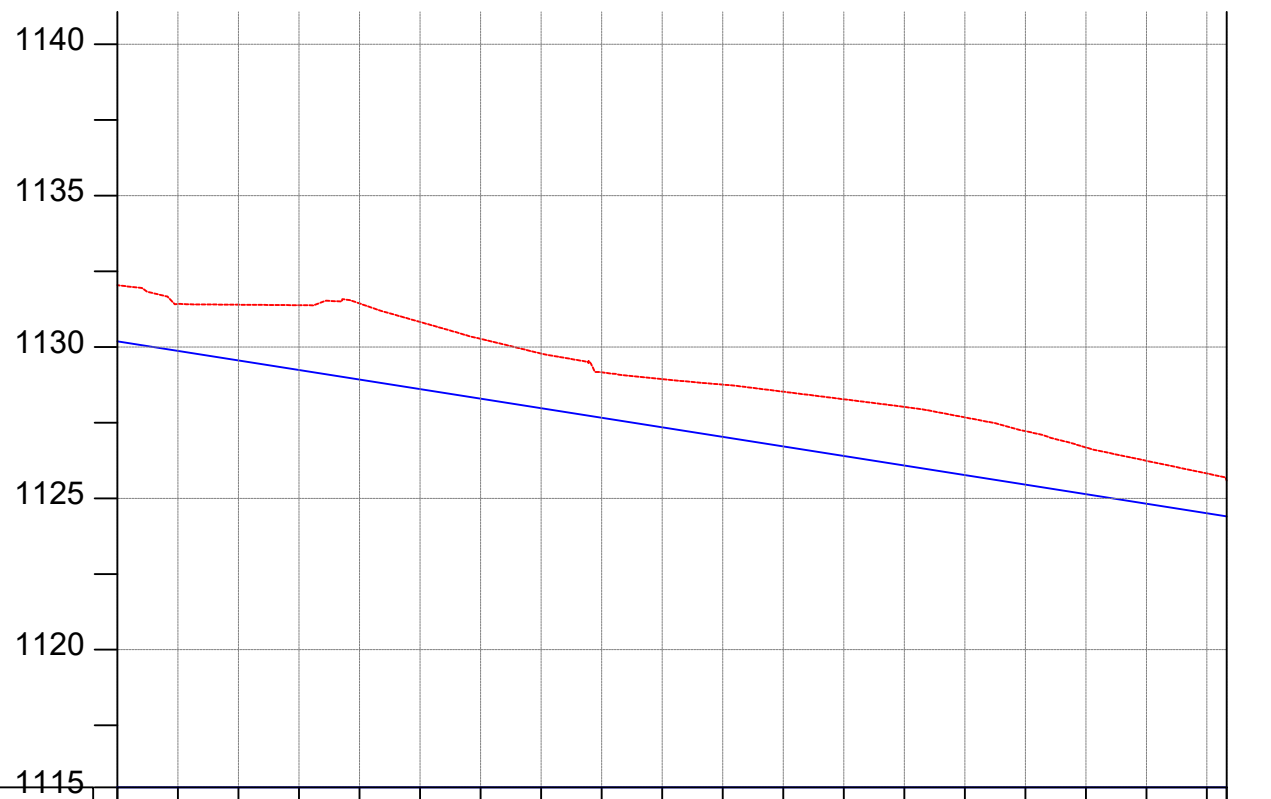
Drawing Title:

DL_9 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL_9 (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+367	
GROUND LEVEL(m)	1132.045	1131.419	1131.395	1131.380	1131.438	1130.826	1130.270	1129.782	1129.164	1128.941	1128.757	1128.523	1128.273	1128.019	1127.674	1127.220	1126.681	1126.240	1125.820	1125.586
PIPE DETAILS	OD 50, PN10, HDPE																			
PIPE INVERT(m)	1130.945	1130.319	1130.295	1130.280	1130.338	1129.726	1129.170	1128.682	1128.064	1127.841	1127.657	1127.423	1127.173	1126.919	1126.574	1126.120	1125.581	1125.140	1124.720	1124.486

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
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

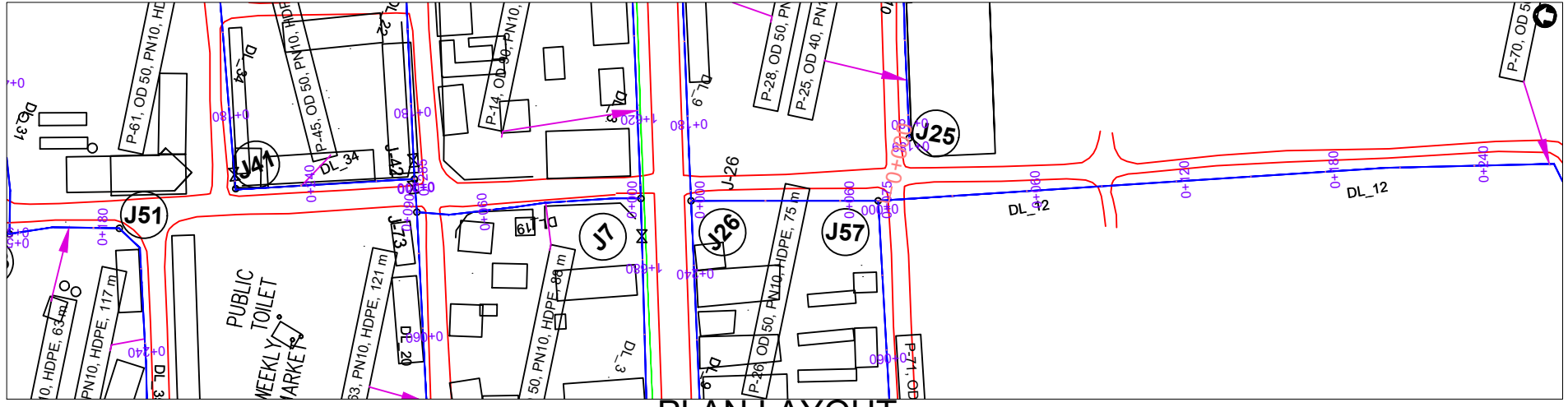
CONSULTANT:



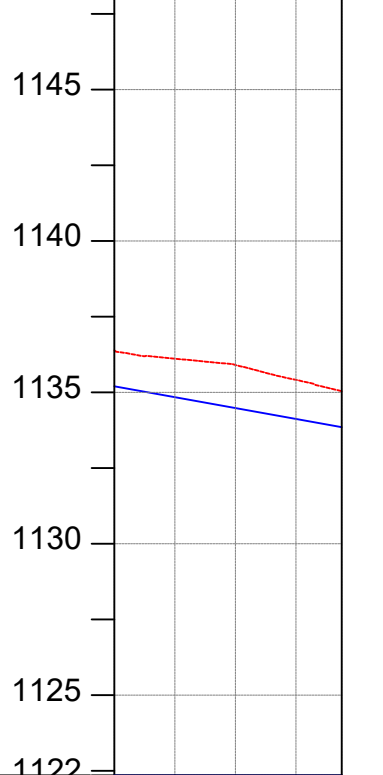
Drawing Title:

DL_9 (CH 1+000.00 - 1+366.52)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_9 (CH 1+000.00 - 1+366.52)	
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+075
GROUND LEVEL(m)	1136.387	1136.115	1135.908
PIPE DETAILS	OD 50, PN10, HDPE		
PIPE INVERT(m)	1135.287	1135.015	1134.808
	1135.413	1135.038	1133.938

OD 50, PN10, HDPE

AMENDMENTS		
No	Date	Revision

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

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

REPUBLIC OF UGANDA

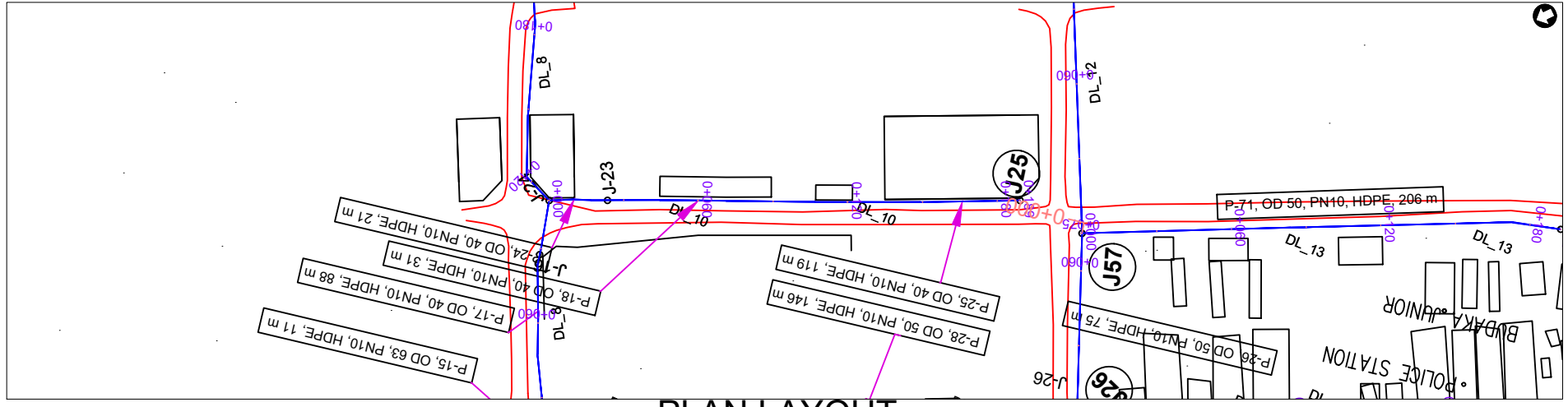
MINISTRY OF WATER AND ENVIRONMENT

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

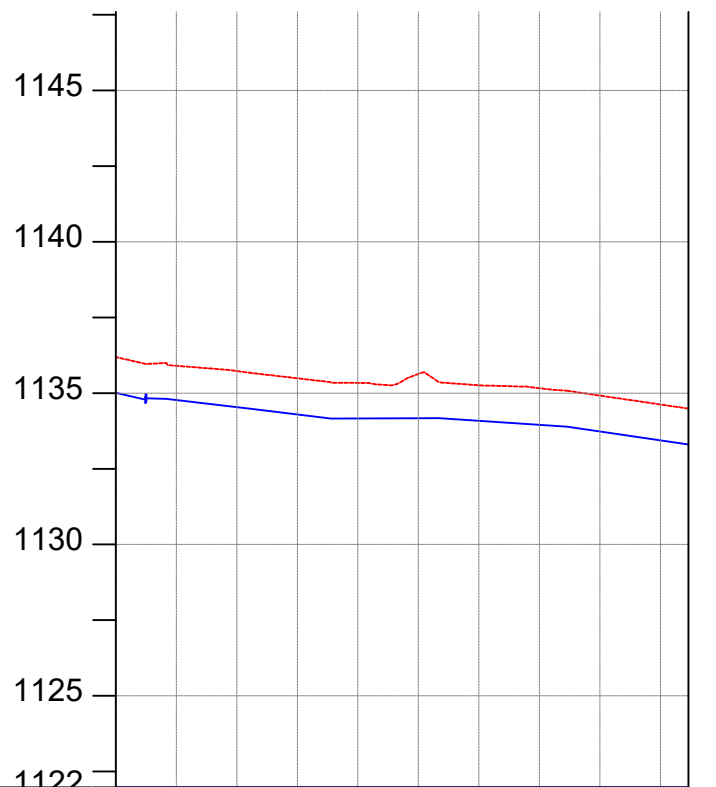
CONSULTANT:

Drawing Title:
DL_11 (CH 0+000.00 - 0+075.16)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_11 (CH 0+000.00 - 0+075.16)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+160	0+189.22
GROUND LEVEL(m)	1136.192	1135.903	1135.731	1135.490	1135.338	1135.635	1135.259	1135.162	1134.918	1134.624
PIPE DETAILS	OD 40, PN10, HDPE									
PIPE INVERT(m)	1135.092	1134.803	1134.631	1134.390	1134.238	1134.535	1134.159	1134.062	1133.818	1133.524
										1133.388

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
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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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

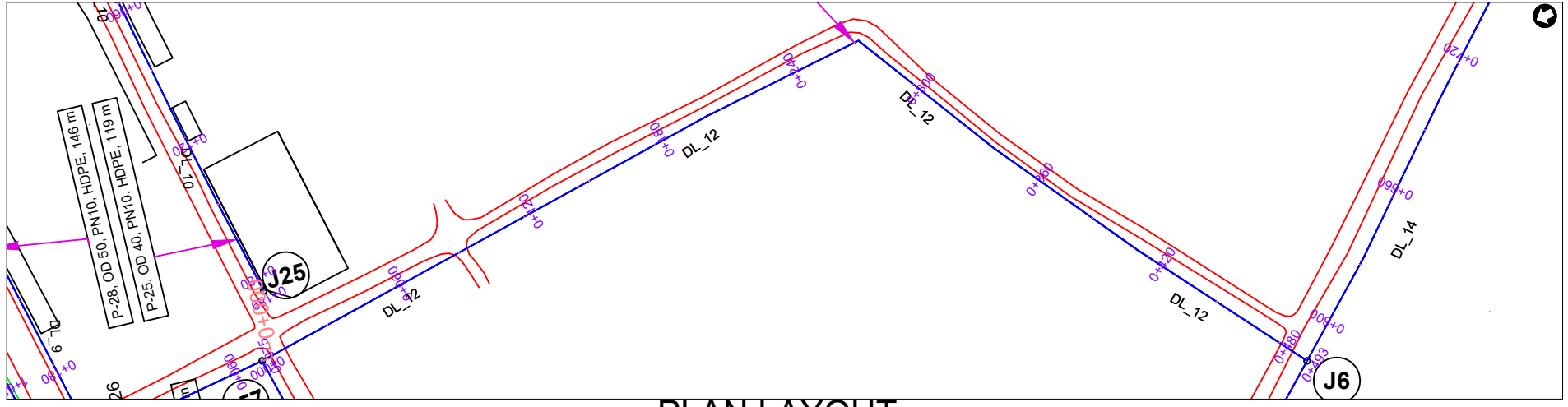
CONSULTANT:



Drawing Title:

DL_10 (CH 0+000.00 - 0+189.22)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_10 (CH 0+000.00 - 0+189.22)	
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+493		
GROUND LEVEL(m)	1135.038	1133.884	1133.624	1133.299	1132.710	1131.688	1131.048	1130.369	1129.899	1129.337	1128.718	1128.038	1127.339	1126.553	1125.982	1125.665	1125.078	1124.574	1124.160	1123.641	1122.922	1122.338	1121.805	1121.254	1120.501	1120.667		
PIPE DETAILS	OD 50, PN10, HDPE																											
PIPE INVERT(m)	1133.938	1132.784	1132.524	1132.199	1131.610	1130.588	1129.948	1129.269	1128.799	1128.237	1127.618	1126.938	1126.239	1125.453	1124.882	1124.565	1123.978	1123.474	1123.060	1122.541	1121.822	1121.238	1120.705	1120.154	1119.401	1119.567		

AMENDMENTS

No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

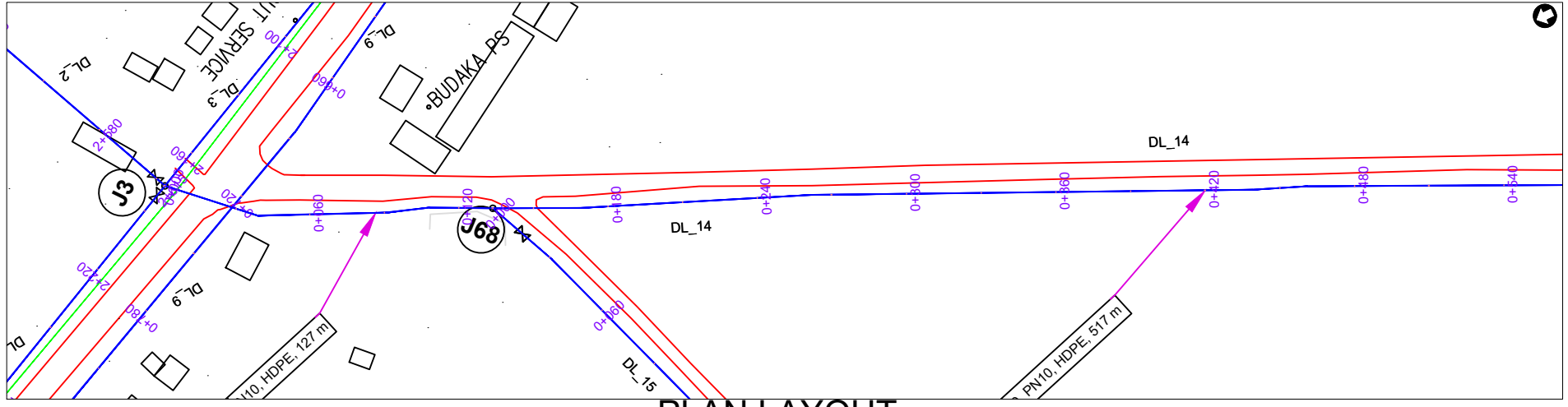
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

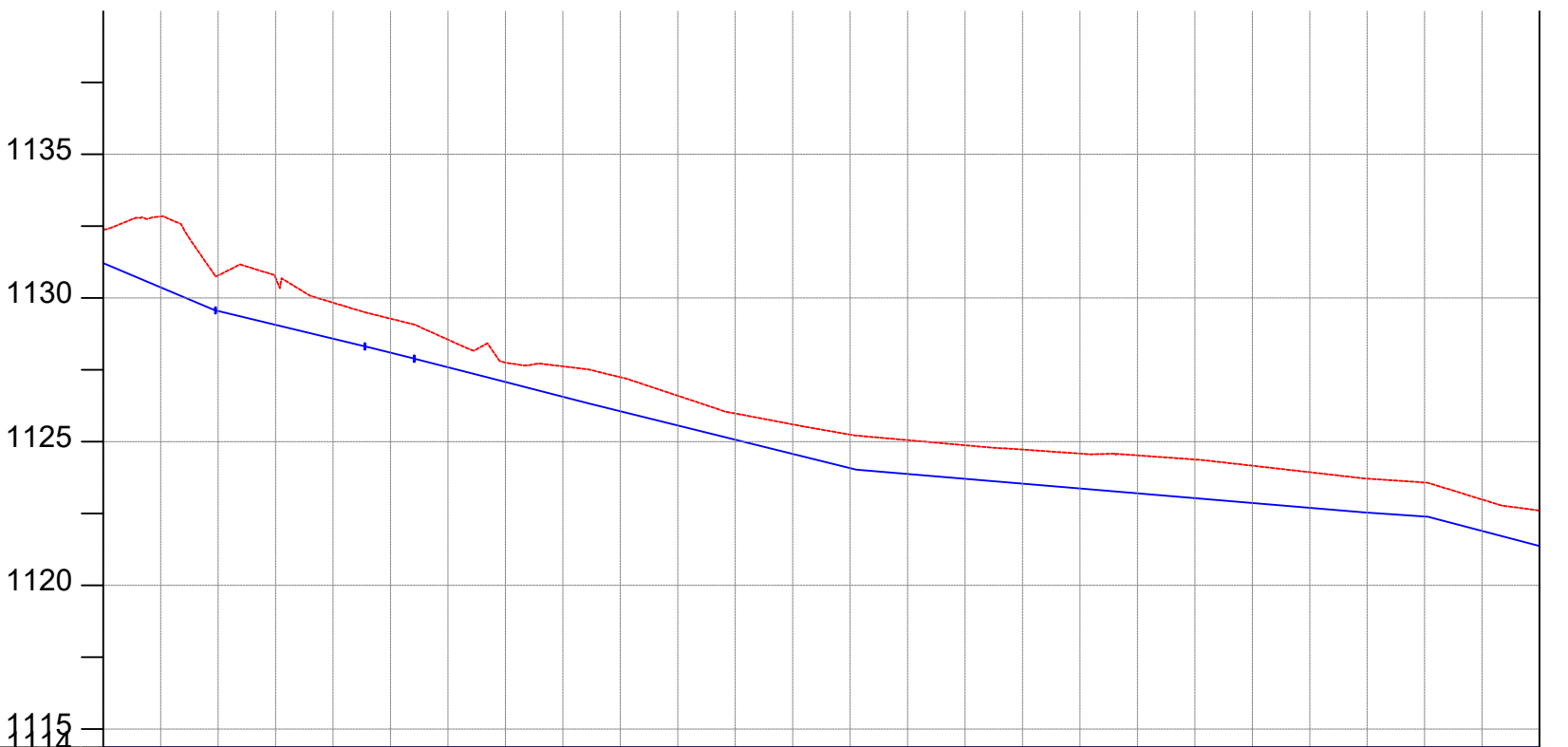
Drawing Title:

DL_12 (CH 0+000.00 - 0+493.37)

Drawn by : Andrew Turyakira	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+493.37)	
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)	1132.398	1132.837	1130.785	1130.705	1129.836	1129.280	1128.550	1127.751	1127.621	1127.243	1126.598	1125.981	1125.601	1125.245	1125.053	1124.875	1124.726	1124.585	1124.523	1124.380	1124.164	1123.936	1123.713	1123.578	1122.986	1122.602
PIPE DETAILS	OD 50, PN10, HDPE													OD 50, PN10, HDPE												
PIPE INVERT(m)	1131.298	1131.737	1129.685	1129.605	1128.736	1128.180	1127.450	1126.651	1126.521	1126.143	1125.498	1124.881	1124.501	1124.145	1123.953	1123.775	1123.626	1123.485	1123.423	1123.280	1123.064	1122.836	1122.613	1122.478	1121.886	1121.502

AMENDMENTS

No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

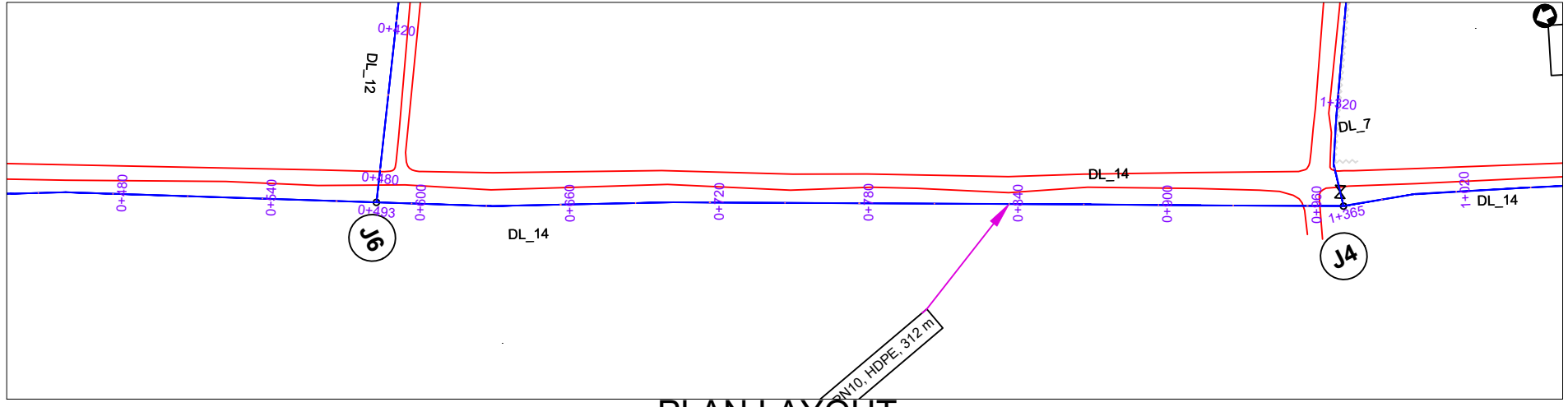
MINISTRY OF WATER AND ENVIRONMENT

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

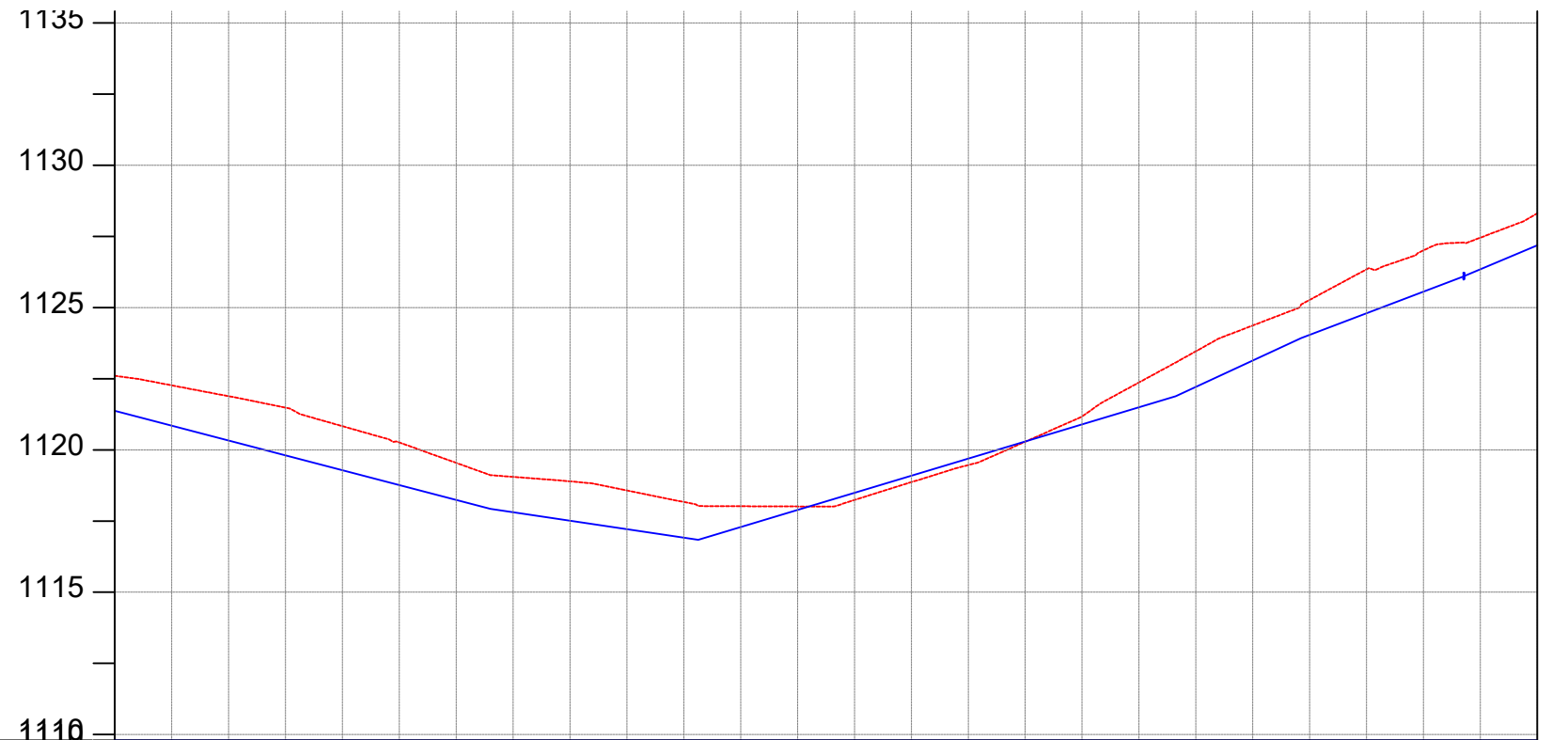
CONSULTANT:

Drawing Title:
DL_14 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	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+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)	1122.602	1122.267	1121.887	1121.485	1120.833	1120.261	1119.544	1119.052	1118.895	1118.574	1118.170	1118.020	1118.013	1118.239	1118.867	1119.467	1120.285	1121.173	1122.369	1123.464	1124.370	1125.269	1126.344	1127.007	1127.455	1128.310
PIPE DETAILS	OD 50, PN10, HDPE														OD 50, PN10, HD											
PIPE INVERT(m)	1121.502	1121.167	1120.787	1120.385	1119.733	1119.161	1118.444	1117.952	1117.795	1117.474	1117.070	1116.920	1116.913	1117.139	1117.767	1118.367	1119.185	1120.073	1121.269	1122.364	1123.270	1124.169	1125.244	1125.907	1126.355	1127.210

AMENDMENTS

No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

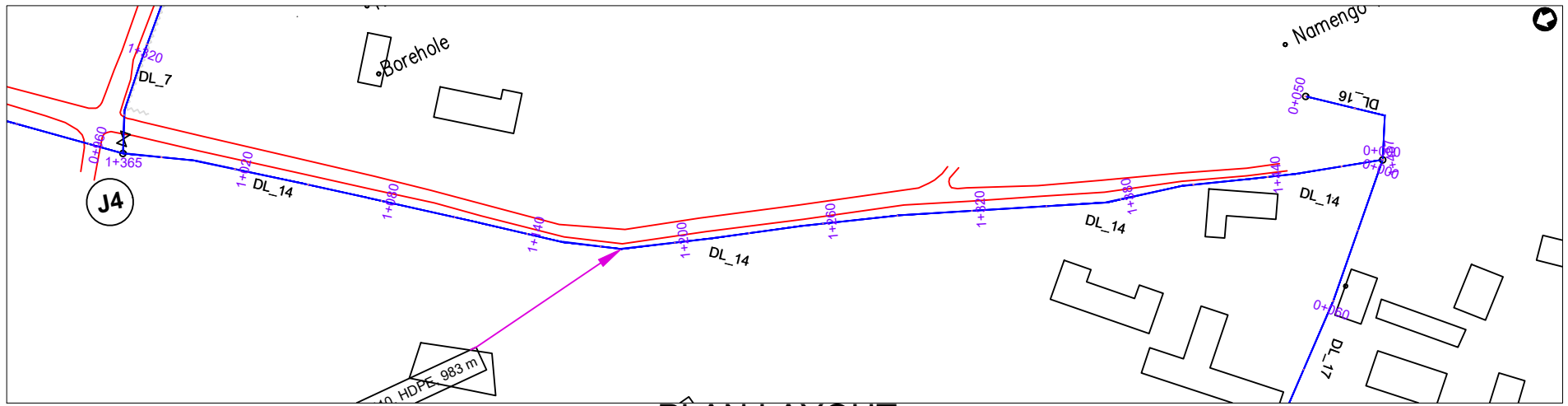
MINISTRY OF WATER AND ENVIRONMENT

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

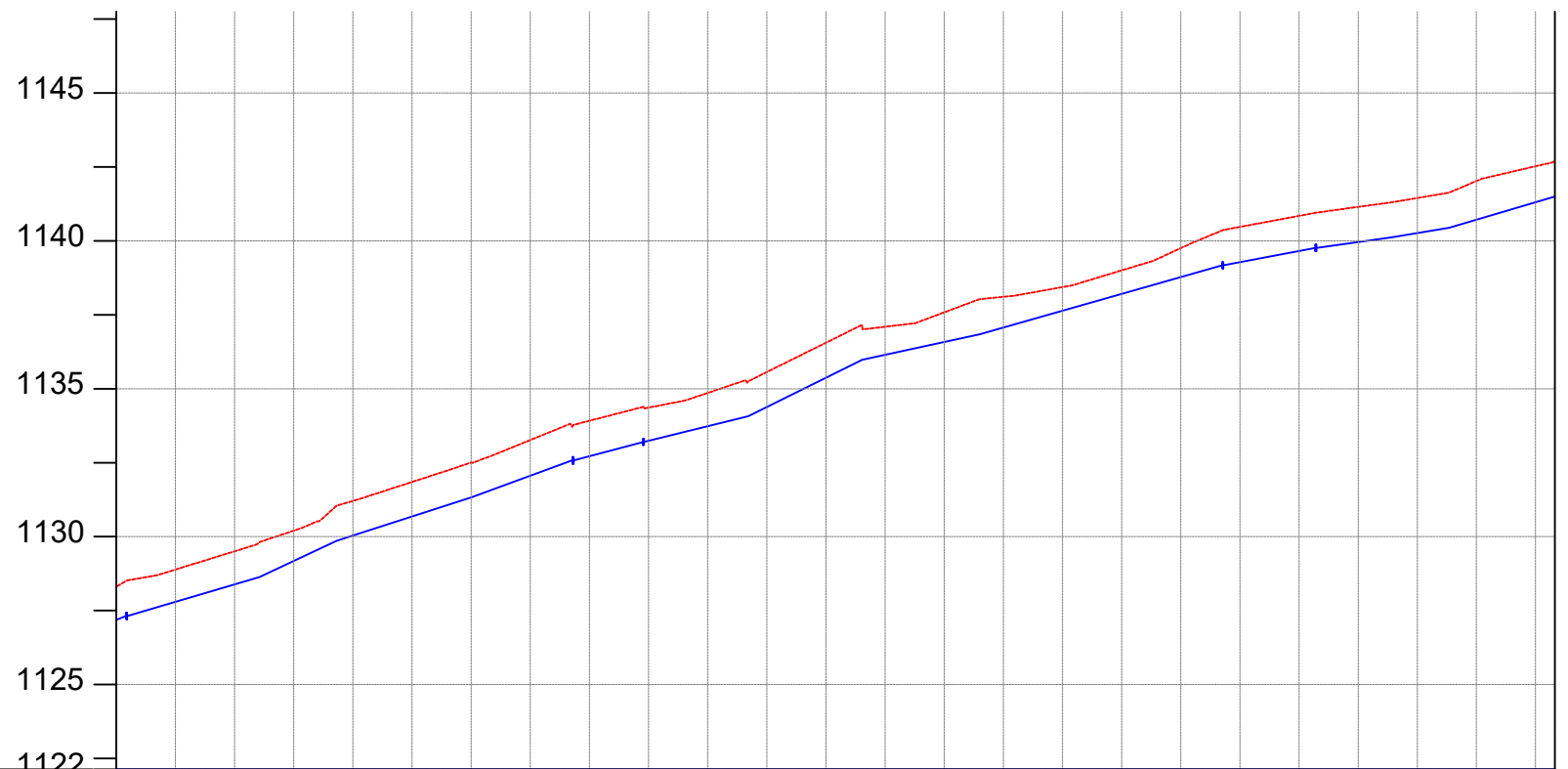
CONSULTANT:

Drawing Title:
DL_14 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	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+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+489	
GROUND LEVEL(m)	1128.310	1128.888	1129.505	1130.203	1131.208	1131.849	1132.509	1133.266	1133.918	1134.362	1134.858	1135.564	1136.556	1137.096	1137.581	1138.107	1138.436	1139.001	1139.753	1140.470	1140.844	1141.147	1141.448	1142.022	1142.521	
PIPE DETAILS	OD 50, PN10, HDPE																									
PIPE INVERT(m)	1127.210	1127.788	1128.405	1129.103	1130.108	1130.749	1131.409	1132.166	1132.818	1133.262	1133.758	1134.464	1135.456	1135.996	1136.481	1137.007	1137.336	1137.901	1138.653	1139.370	1139.744	1140.047	1140.348	1140.922	1141.421	

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

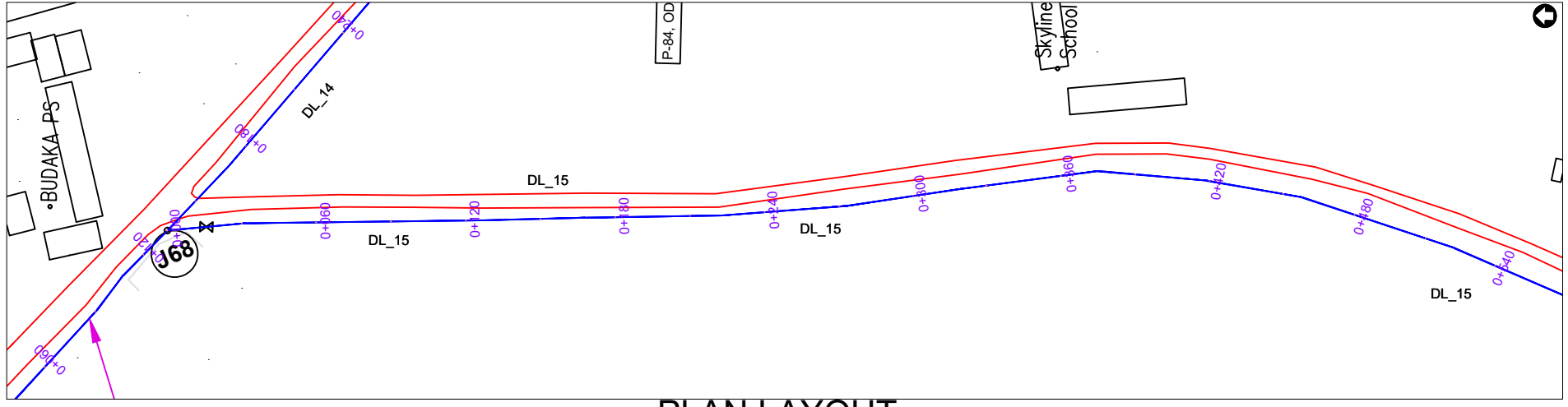
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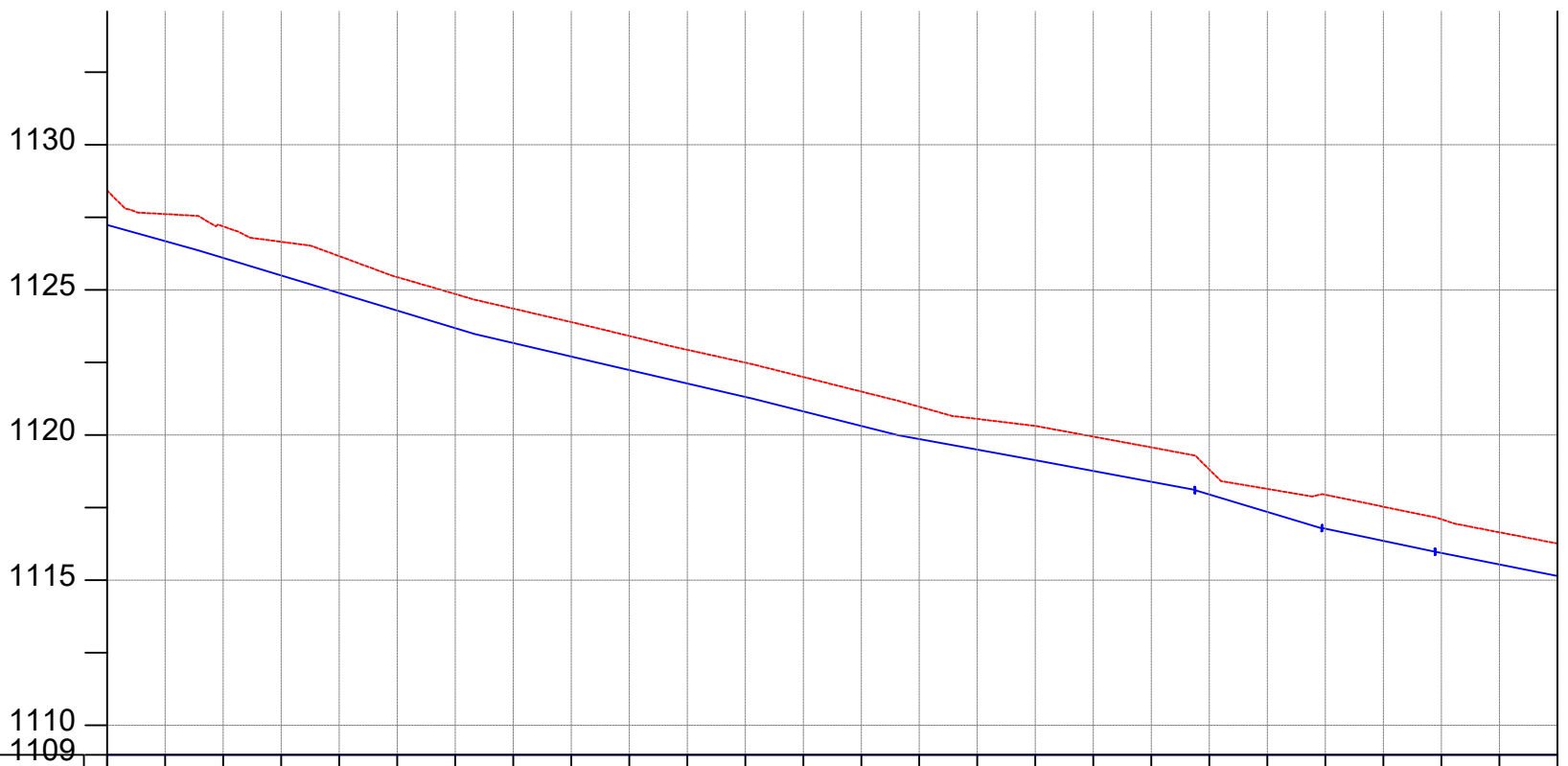
Drawing Title:

DL_14 (CH 1+000.00 - 1+486.56)

Drawn by : Andrew Turyakira	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 1+000.00 - 1+486.56)	
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)	1128.426	1127.613	1127.188	1126.658	1126.164	1125.442	1124.859	1124.356	1123.892	1123.413	1122.937	1122.494	1122.000	1121.497	1120.974	1120.554	1120.313	1119.945	1119.574	1118.811	1118.145	1117.941	1117.530	1117.095	1116.648	1116.261		
PIPE DETAILS	OD 40, PN10, HDPE																											
PIPE INVERT(m)	1127.326	1126.513	1126.088	1125.558	1125.064	1124.342	1123.759	1123.256	1122.792	1122.313	1121.837	1121.394	1120.900	1120.397	1119.874	1119.454	1119.213	1118.845	1118.474	1117.711	1117.045	1116.841	1116.430	1115.995	1115.548	1115.161		

AMENDMENTS

No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

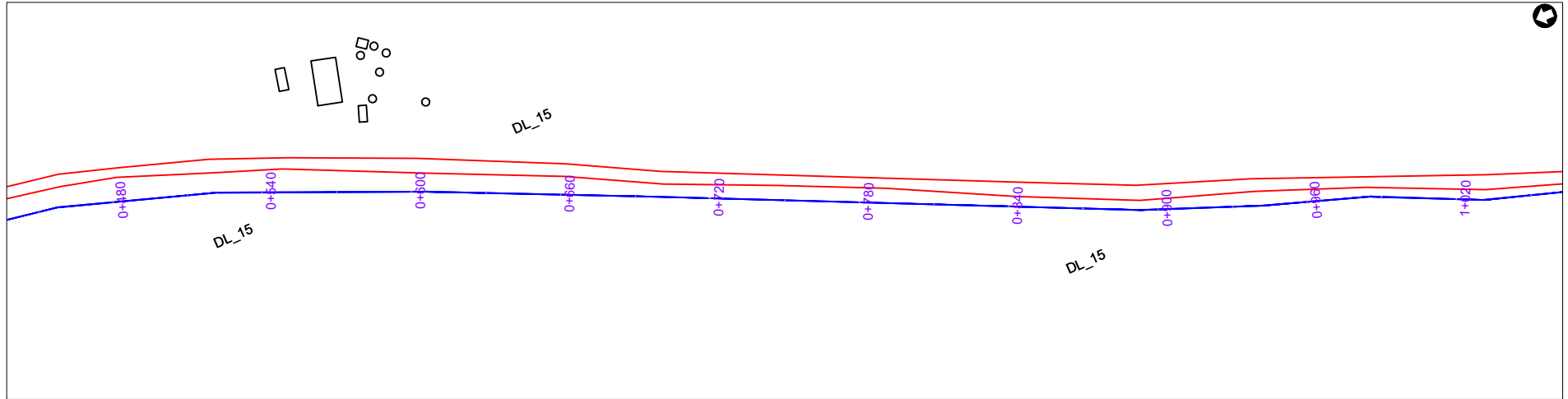
MINISTRY OF WATER AND ENVIRONMENT

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

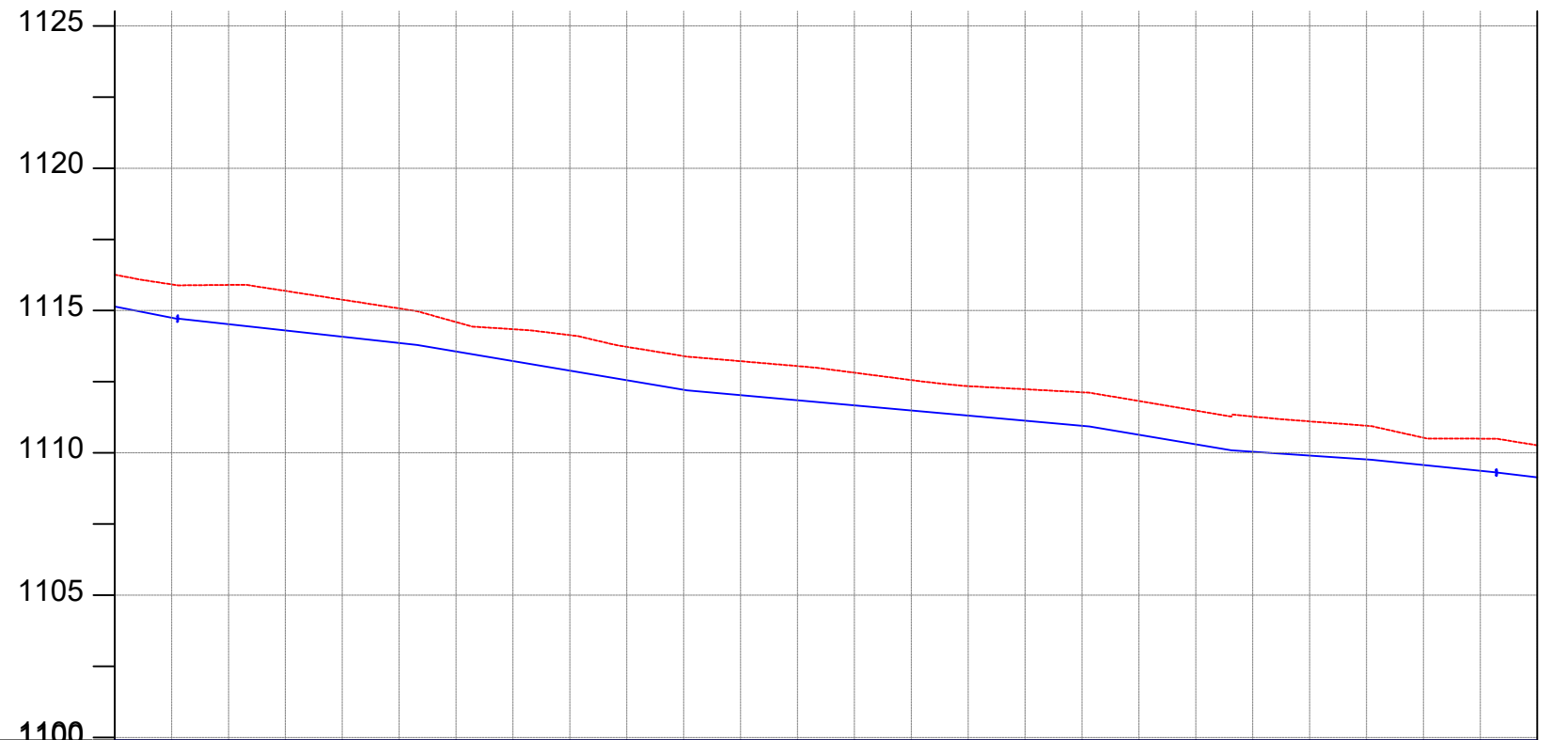
CONSULTANT:

Drawing Title:
DL_15 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	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+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)	1116.261	1115.919	1115.901	1115.690	1115.382	1115.074	1114.596	1114.345	1114.137	1113.724	1113.401	1113.221	1113.050	1112.817	1112.558	1112.344	1112.236	1112.128	1111.822	1111.486	1111.277	1111.106	1110.954	1110.533	1110.499	1110.267	1110.267	
PIPE DETAILS	OD 40, PN10, HDPE																											
PIPE INVERT(m)	1115.161	1114.819	1114.801	1114.590	1114.282	1113.974	1113.496	1113.245	1113.037	1112.624	1112.301	1112.121	1111.950	1111.717	1111.458	1111.244	1111.136	1111.028	1110.722	1110.386	1110.177	1110.006	1109.854	1109.433	1109.399	1109.167	1109.167	

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

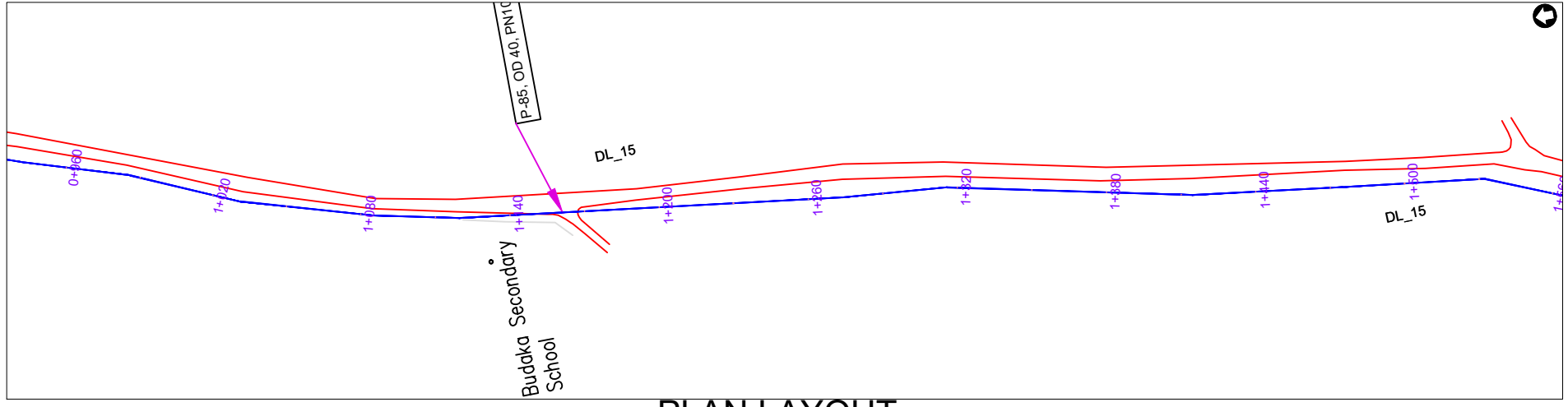
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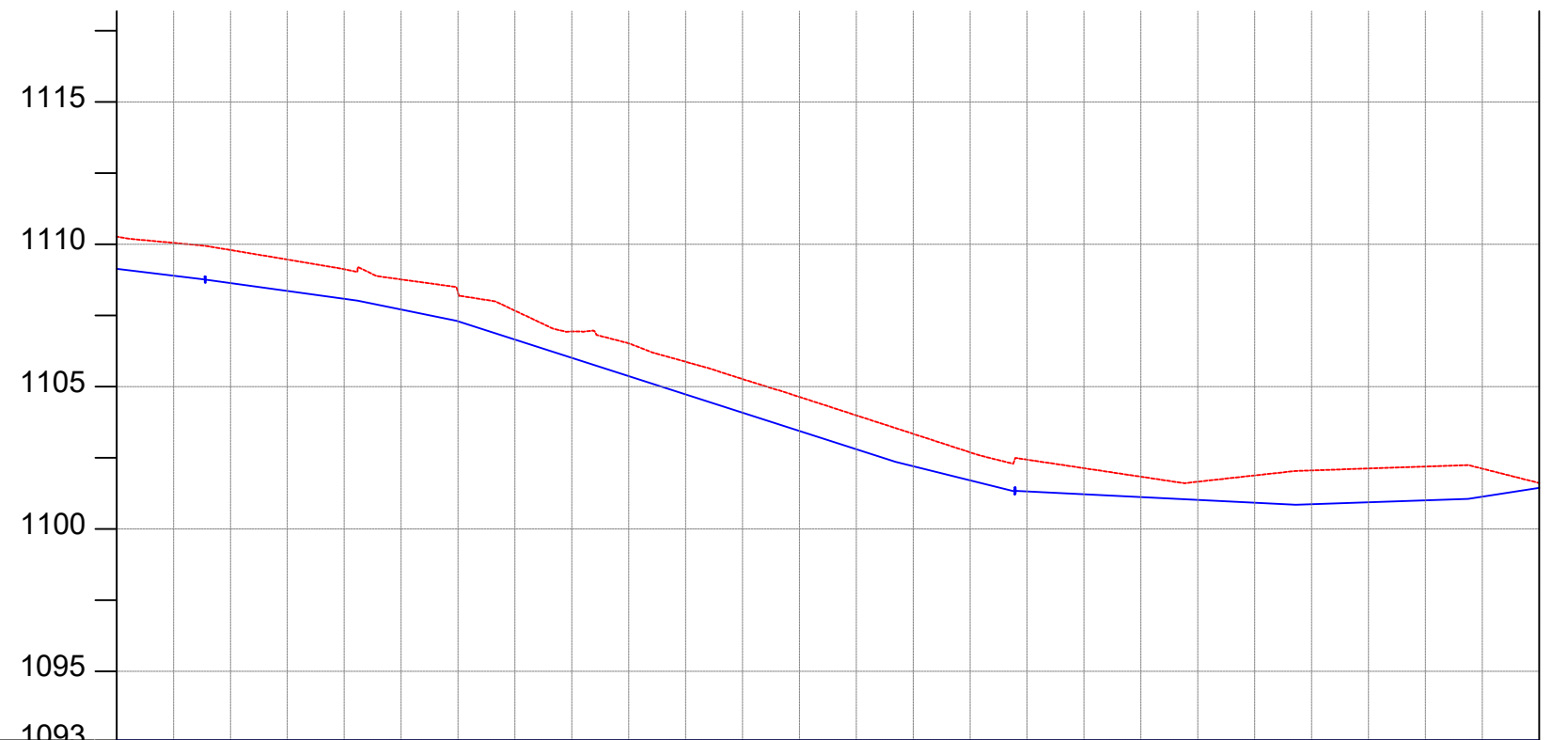
Drawing Title:

DL_15 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	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+500.00 - 1+000.00)	Sheet No.: 2
Format: A3	



PLAN LAYOUT



CHAINAGE	1+000		1+040		1+080		1+120		1+160		1+200		1+240		1+280		1+320		1+360		1+400		1+440		1+480	1+500		
GROUND LEVEL(m)	1110.267	1110.050	1109.799	1109.464	1109.122	1108.765	1108.300	1107.668	1106.939	1106.521	1105.872	1105.264	1104.638	1103.989	1103.341	1102.691	1102.434	1102.134	1101.835	1101.660	1101.879	1102.056	1102.124	1102.191	1102.119	1101.614		
PIPE DETAILS	OD 40, PN10, HDPE																											
PIPE INVERT(m)	1109.167	1108.950	1108.699	1108.364	1108.022	1107.665	1107.200	1106.568	1105.839	1105.421	1104.772	1104.164	1103.538	1102.889	1102.241	1101.591	1101.334	1101.034	1100.735	1100.560	1100.779	1100.956	1101.024	1101.091	1101.019	1100.514		

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 BUDAKA, KADAMA, KIBUKU & TIRINYI

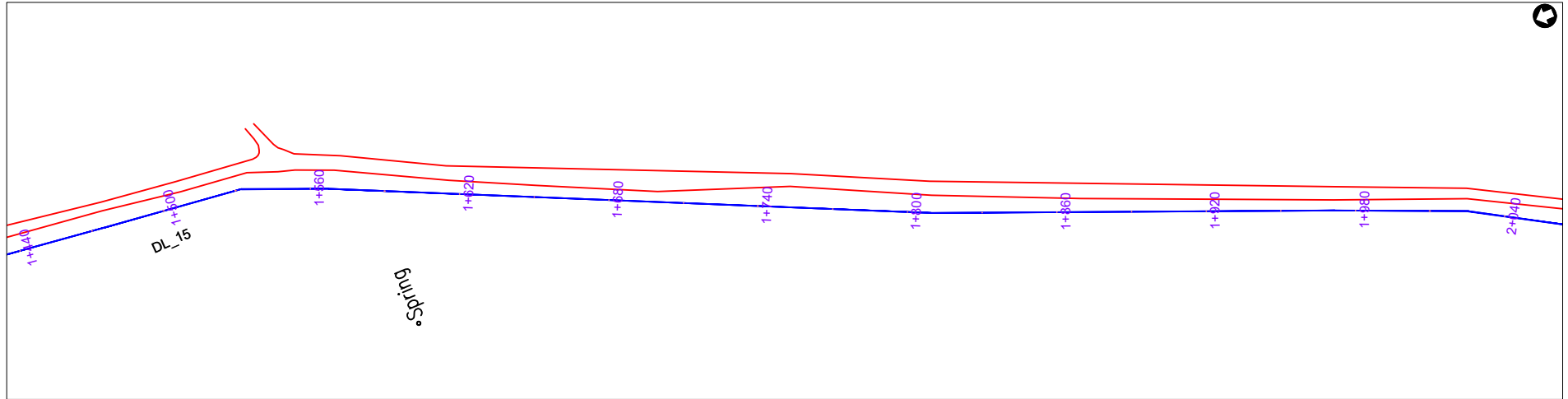
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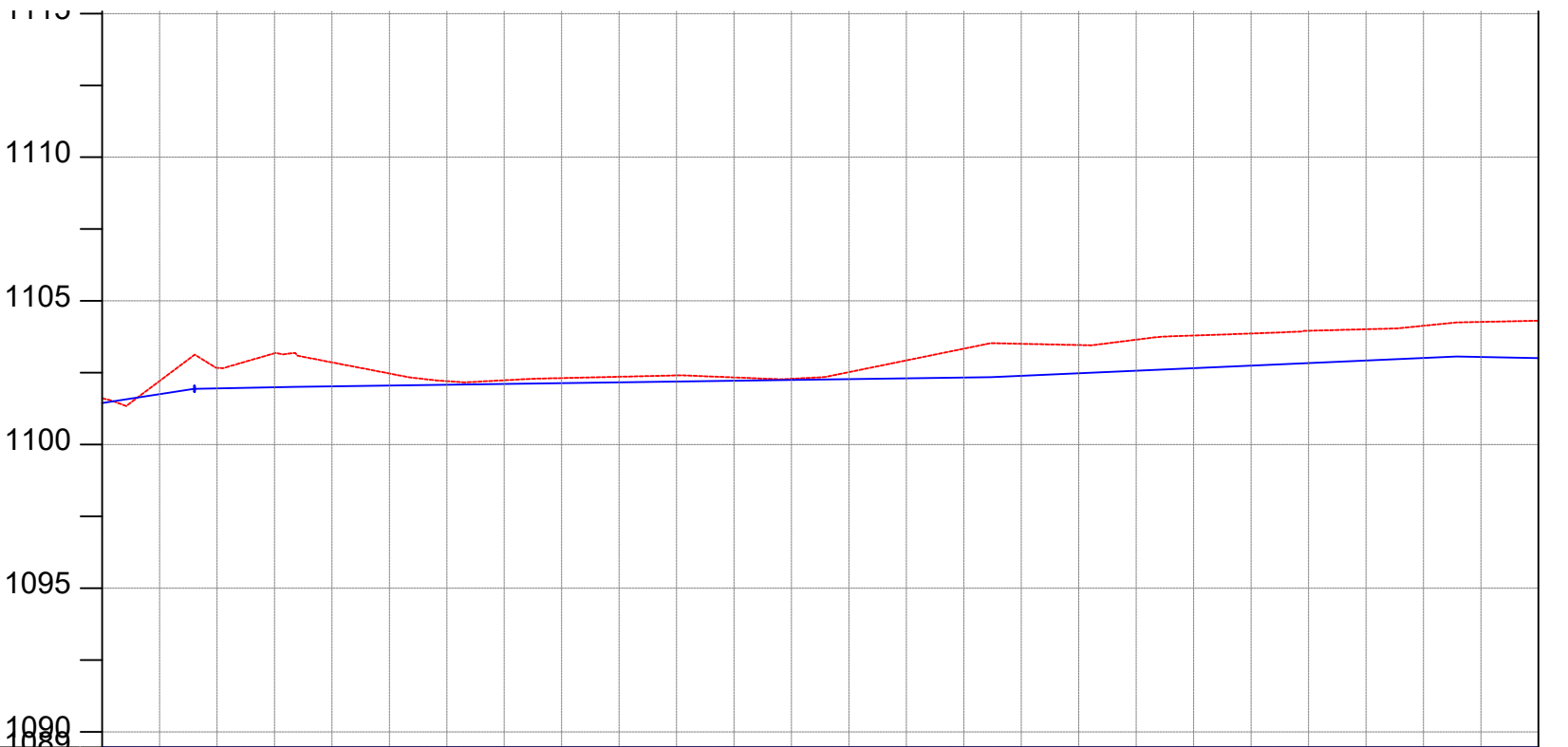
Drawing Title:

DL_15 (CH 1+000.00 - 1+500.00)

Drawn by : Andrew Turyakira	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 1+000.00 - 1+500.00)	
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	1+500	1+520	1+560	1+600	1+640	1+680	1+720	1+760	1+800	1+840	1+880	1+920	1+960	2+000														
GROUND LEVEL(m)	1101.614	1102.211	1102.672	1103.177	1102.861	1102.474	1102.208	1102.237	1102.314	1102.360	1102.412	1102.337	1102.291	1102.518	1102.927	1103.336	1103.507	1103.464	1103.650	1103.795	1103.865	1103.961	1104.014	1104.135	1104.269	1104.310	2+000	
PIPE DETAILS	OD 40, PN10, HDPE																											
PIPE INVERT(m)	1100.514	1101.111	1101.572	1102.077	1101.761	1101.374	1101.108	1101.137	1101.214	1101.260	1101.312	1101.237	1101.191	1101.418	1101.827	1102.236	1102.407	1102.364	1102.550	1102.695	1102.765	1102.861	1102.914	1103.035	1103.169	1103.210	2+000	

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 BUDAKA, KADAMA, KIBUKU & TIRINYI

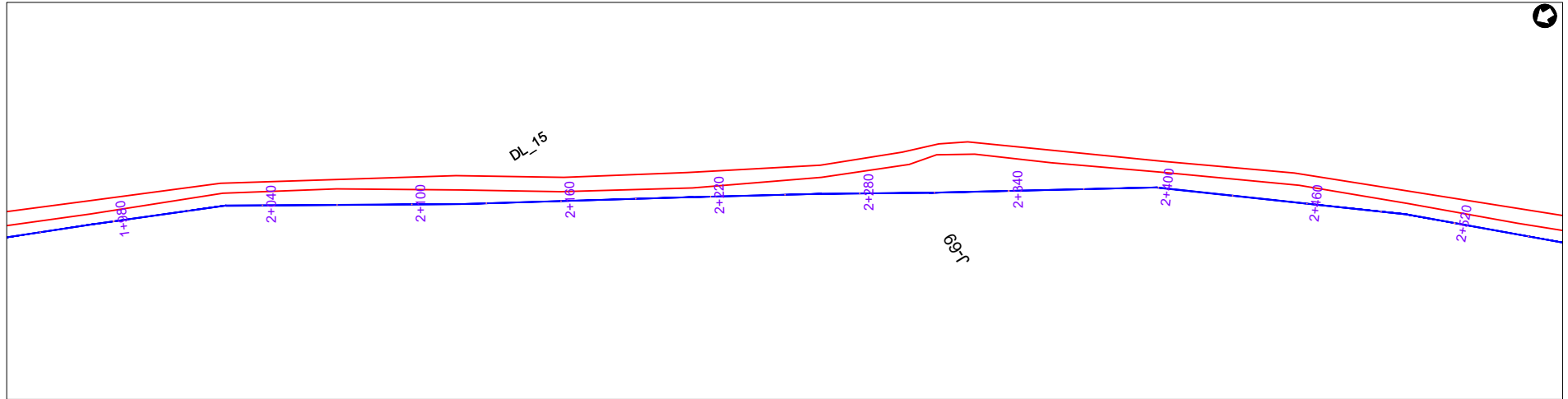
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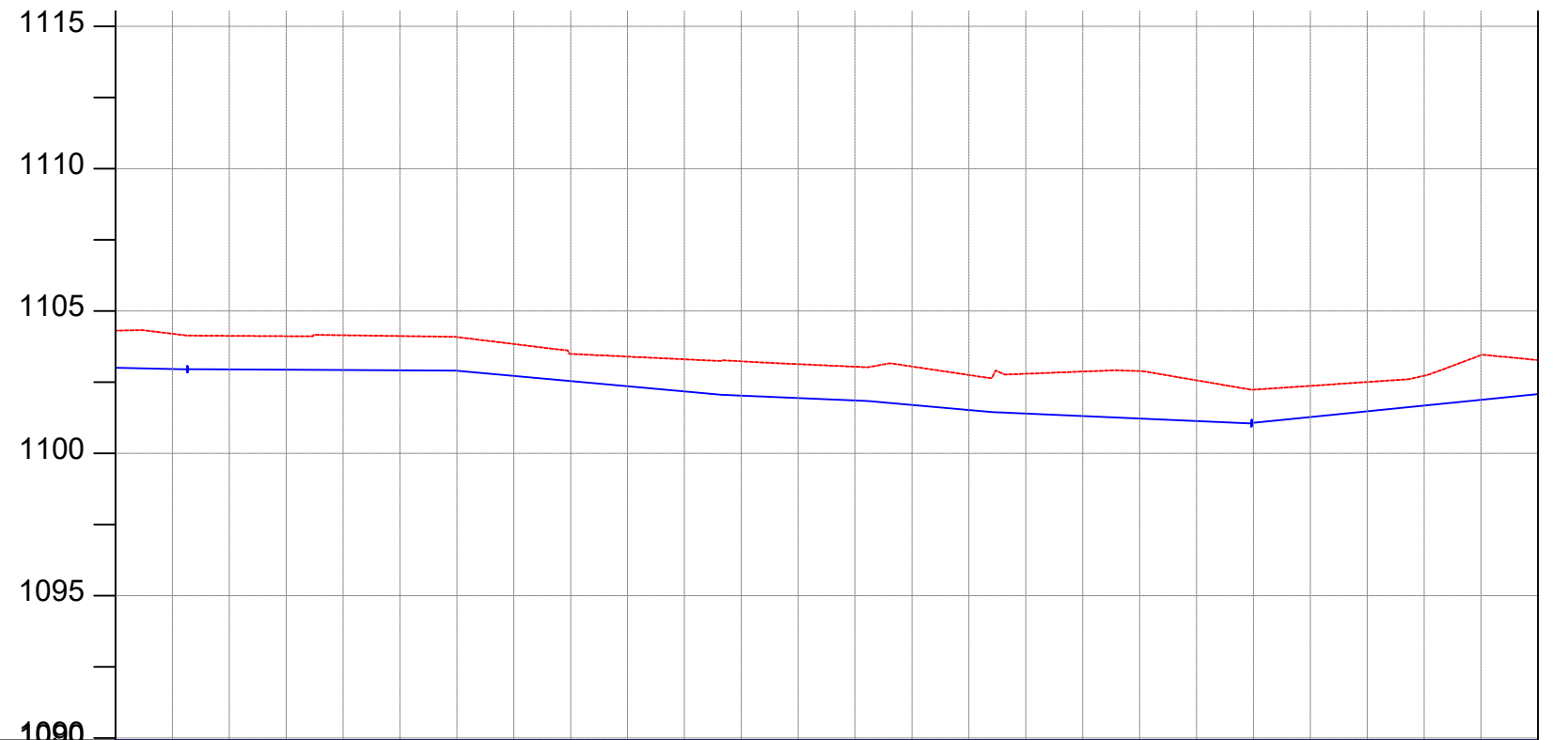
Drawing Title:

DL_15 (CH 1+500.00 - 2+000.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL_15 (CH 1+500.00 - 2+000.00)
Sheet No.: 4	Format: A3



PLAN LAYOUT



CHAINAGE	2+000		2+040		2+080		2+120		2+160		2+200		2+240		2+280		2+320		2+360		2+400		2+440		2+480	2+500
GROUND LEVEL(m)	1104.310	1104.202	1104.128	1104.116	1104.149	1104.121	1104.087	1103.841	1103.494	1103.399	1103.304	1103.234	1103.133	1103.043	1103.050	1102.754	1102.796	1102.874	1102.888	1102.565	1102.236	1102.371	1102.506	1102.727	1103.449	1103.275
PIPE DETAILS	OD 40, PN10, HDPE												OD 32, PN10, HDPE													
PIPE INVERT(m)	1103.210	1103.102	1103.028	1103.016	1103.049	1103.021	1102.987	1102.741	1102.394	1102.299	1102.204	1102.134	1102.033	1101.943	1101.950	1101.654	1101.696	1101.774	1101.788	1101.465	1101.136	1101.271	1101.406	1101.627	1102.349	1102.175

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 BUDAKA, KADAMA, KIBUKU & TIRINYI

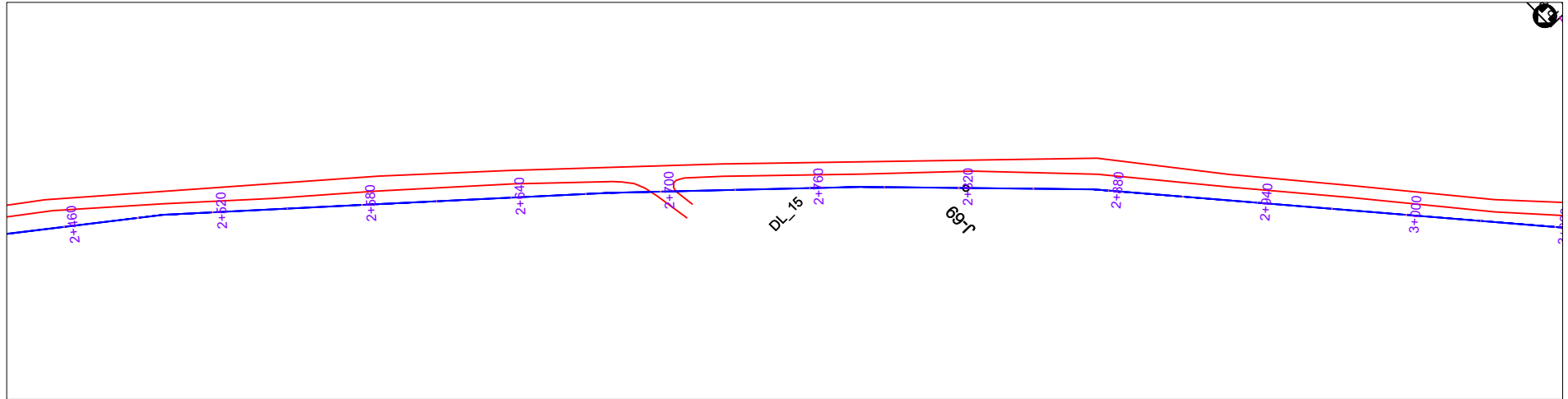
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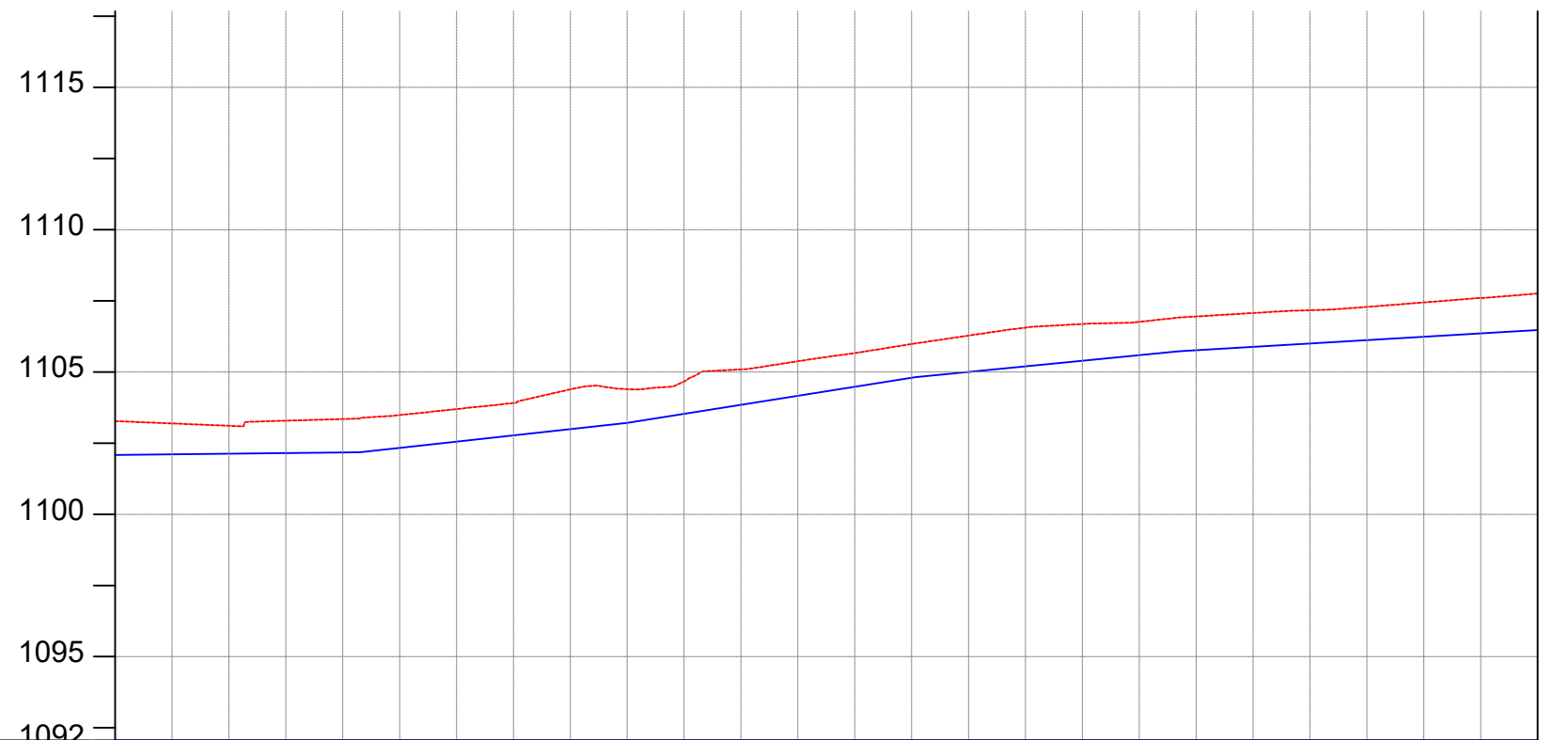
Drawing Title:

DL_15 (CH 2+000.00 - 2+500.00)

Drawn by : Andrew Turyakira	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 2+000.00 - 2+500.00)	
Sheet No.: 5	Format: A3



PLAN LAYOUT



CHAINAGE	2+500	2+520	2+560	2+600	2+640	2+680	2+720	2+760	2+800	2+840	2+880	2+920	2+960	3+000															
GROUND LEVEL(m)	1103.275	1103.192	1103.110	1103.288	1103.346	1103.485	1103.696	1103.907	1104.389	1104.396	1104.666	1105.090	1105.378	1105.664	1105.982	1106.278	1106.559	1106.685	1106.761	1106.950	1107.070	1107.169	1107.285	1107.443	1107.597	1107.754			
PIPE DETAILS	OD 32, PN10, HDPE																												
PIPE INVERT(m)	1102.175	1102.092	1102.010	1102.188	1102.246	1102.385	1102.596	1102.807	1103.289	1103.296	1103.566	1103.990	1104.278	1104.564	1104.882	1105.178	1105.459	1105.585	1105.661	1105.850	1105.970	1106.069	1106.185	1106.343	1106.497	1106.654			

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

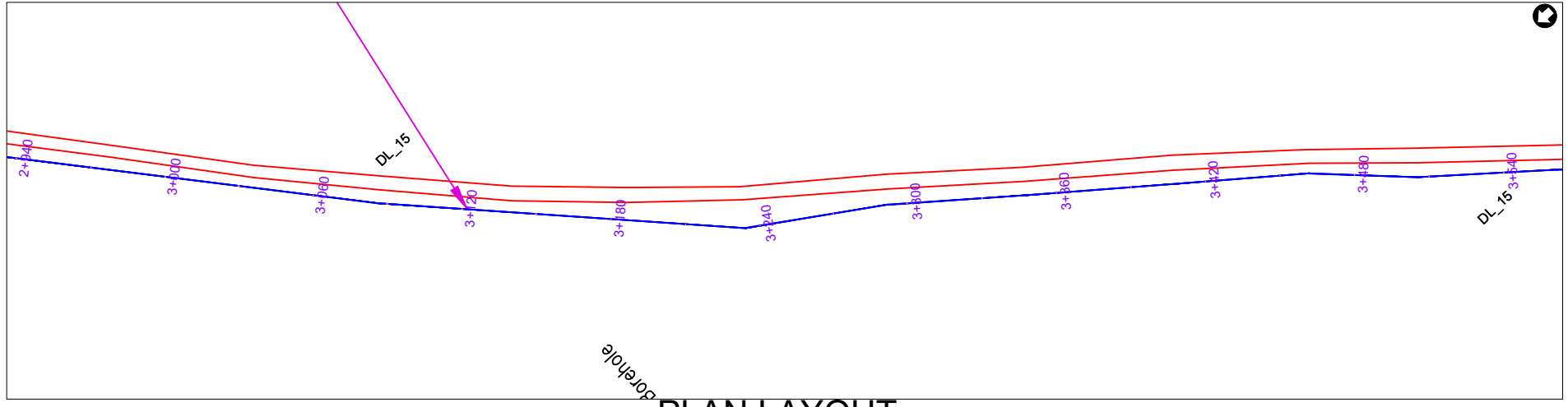
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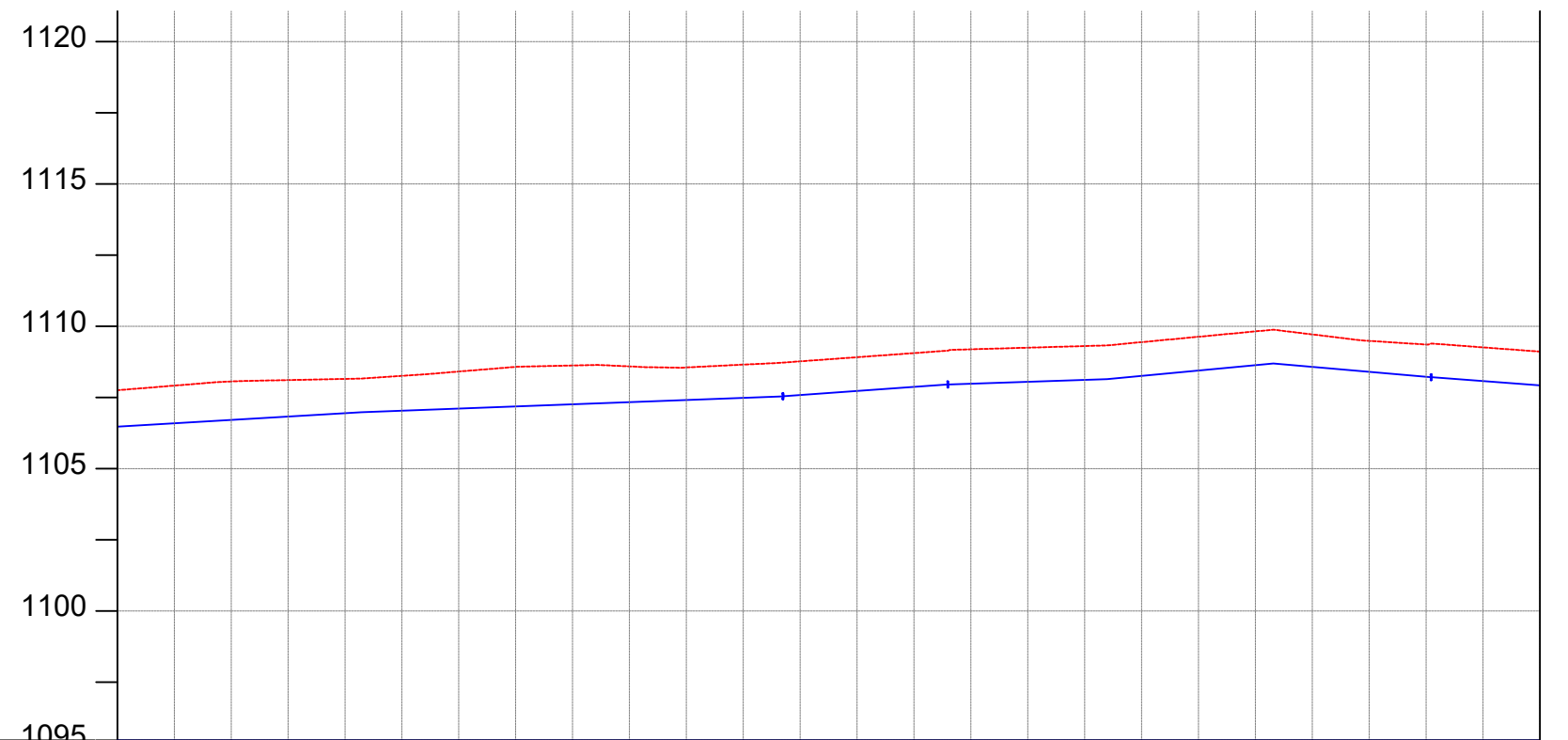
Drawing Title:

DL_15 (CH 2+500.00 - 3+000.00)

Drawn by : Andrew Turyakira	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 2+500.00 - 3+000.00)	
Sheet No.: 6	Format: A3



PLAN LAYOUT



CHAINAGE	3+000		3+040		3+080		3+120		3+160		3+200		3+240		3+280		3+320		3+360		3+400		3+440		3+480	3+500		
GROUND LEVEL(m)	1107.754	1107.917	1108.062	1108.111	1108.152	1108.259	1108.412	1108.576	1108.623	1108.592	1108.556	1108.654	1108.770	1108.915	1109.059	1109.192	1109.249	1109.307	1109.444	1109.633	1109.822	1109.716	1109.488	1109.361	1109.261	1109.111		
PIPE DETAILS	OD 32, PN10, HDPE																											
PIPE INVERT(m)	1106.654	1106.817	1106.962	1107.011	1107.052	1107.159	1107.312	1107.476	1107.523	1107.492	1107.456	1107.554	1107.670	1107.815	1107.959	1108.092	1108.149	1108.207	1108.344	1108.533	1108.722	1108.616	1108.388	1108.261	1108.161	1108.011		

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

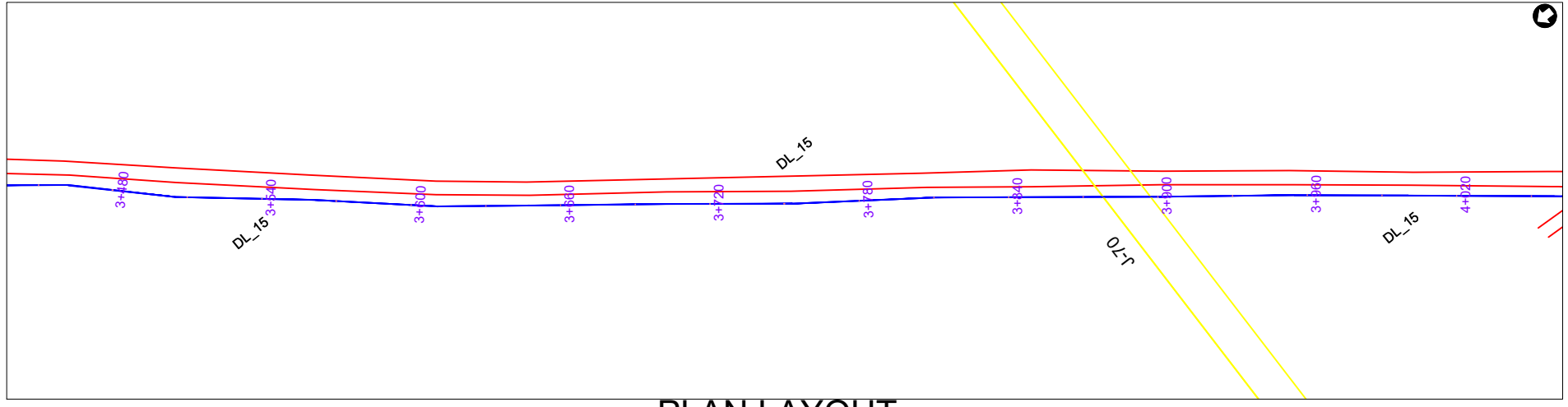
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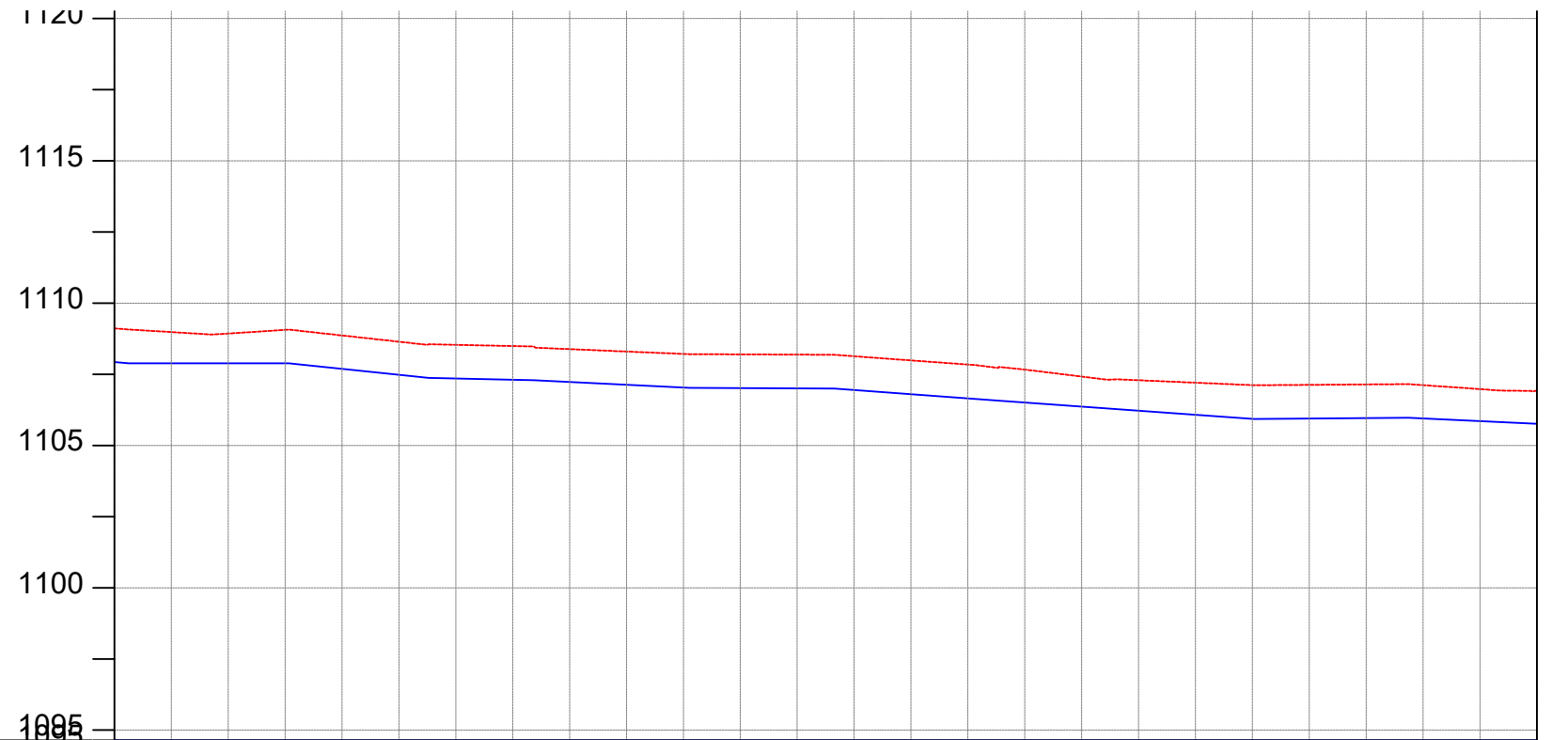
Drawing Title:

DL_15 (CH 3+000.00 - 3+500.00)

Drawn by : Andrew Turyakira	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 3+000.00 - 3+500.00)	
Sheet No.: 7	Format: A3



PLAN LAYOUT



CHAINAGE	3+500	3+520	3+560	3+600	3+640	3+680	3+720	3+760	3+800	3+840	3+880	3+920	3+960	4+000														
GROUND LEVEL(m)	1109.111	1108.983	1108.932	1109.061	1108.864	1108.644	1108.535	1108.492	1108.384	1108.300	1108.216	1108.199	1108.191	1108.133	1107.988	1107.843	1107.666	1107.420	1107.291	1107.205	1107.117	1107.129	1107.144	1107.119	1106.979	1106.930	4+000	
PIPE DETAILS	OD 32, PN10, HDPE																											
PIPE INVERT(m)	1108.011	1107.883	1107.832	1107.961	1107.764	1107.544	1107.435	1107.392	1107.284	1107.200	1107.116	1107.099	1107.091	1107.033	1106.888	1106.743	1106.566	1106.320	1106.191	1106.105	1106.017	1106.029	1106.044	1106.019	1105.879	1105.830	1105.830	4+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. MBW/0.0.0
4. For Node details, see Dwg. MBW/6.0.0
5. All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

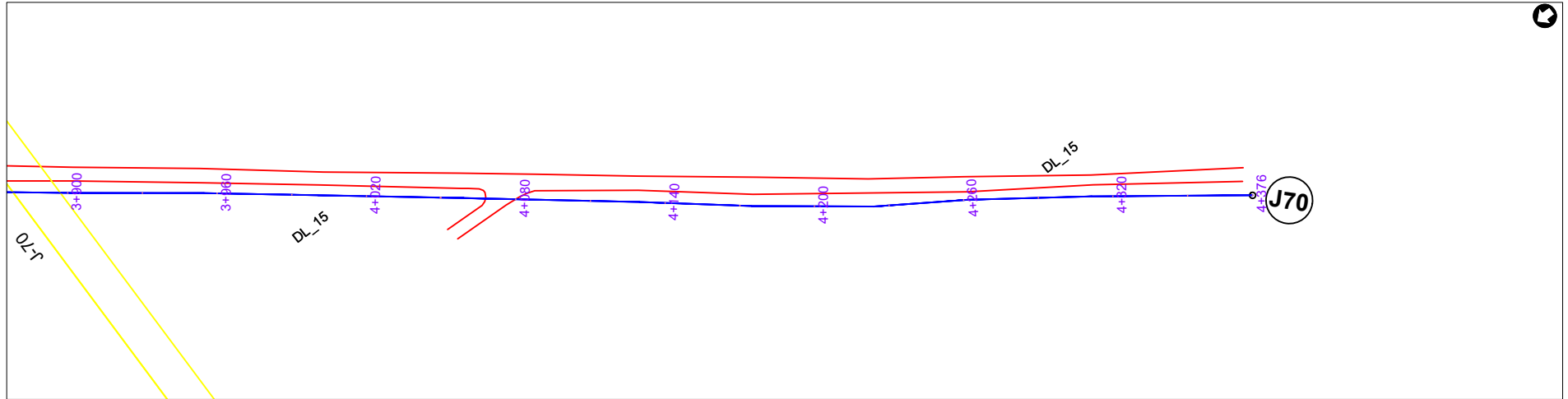
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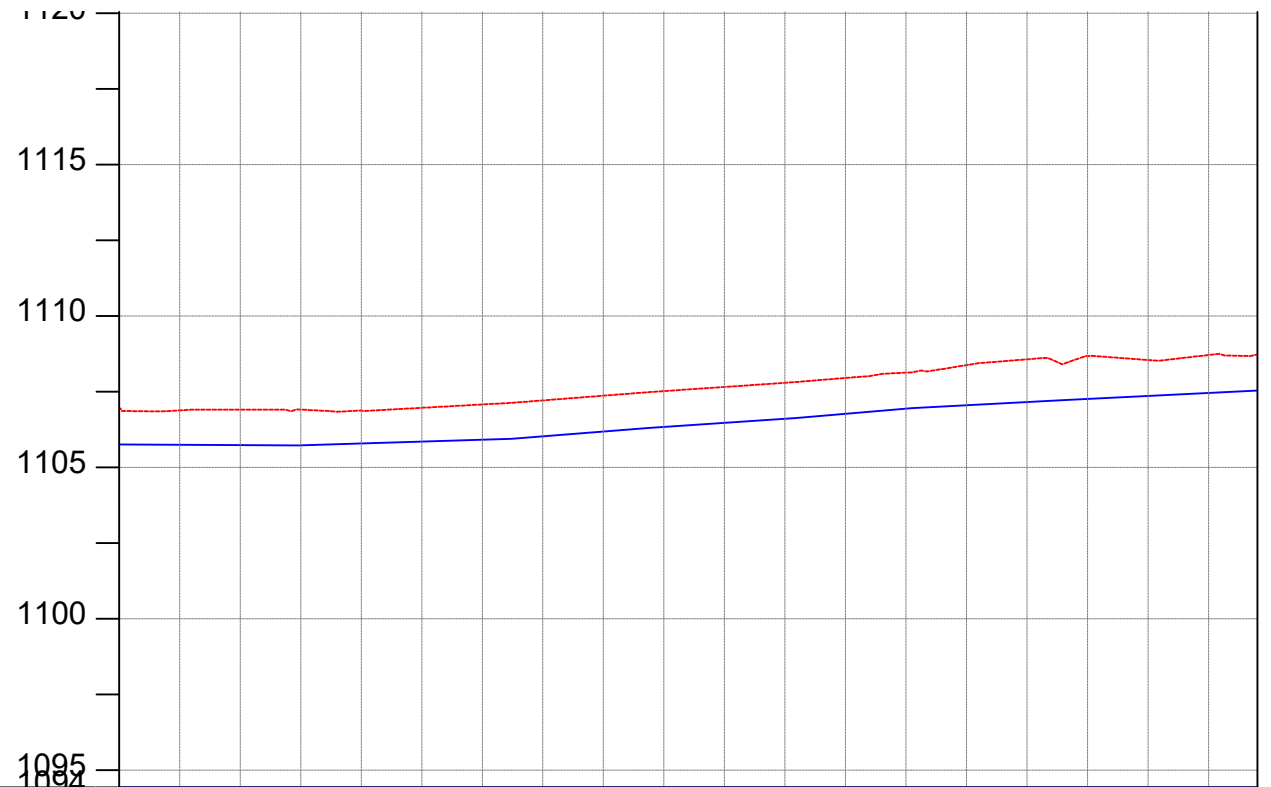
Drawing Title:

DL_15 (CH 3+500.00 - 4+000.00)

Drawn by : Andrew Turyakira	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 3+500.00 - 4+000.00)	
Sheet No.: 8	Format: A3



PLAN LAYOUT



CHAINAGE	4+000		4+040		4+080		4+120		4+160		4+200		4+240		4+280		4+320		4+360	4+376
GROUND LEVEL(m)	1106.930	1106.881	1106.904	1106.907	1106.877	1106.967	1107.077	1107.211	1107.367	1107.518	1107.656	1107.793	1107.953	1108.130	1108.377	1108.570	1108.676	1108.545	1108.712	1108.725
PIPE DETAILS	OD 32, PN10, HDPE																			
PIPE INVERT(m)	1105.830	1105.781	1105.804	1105.807	1105.777	1105.867	1105.977	1106.111	1106.267	1106.418	1106.556	1106.693	1106.853	1107.030	1107.277	1107.470	1107.576	1107.445	1107.612	1107.625

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

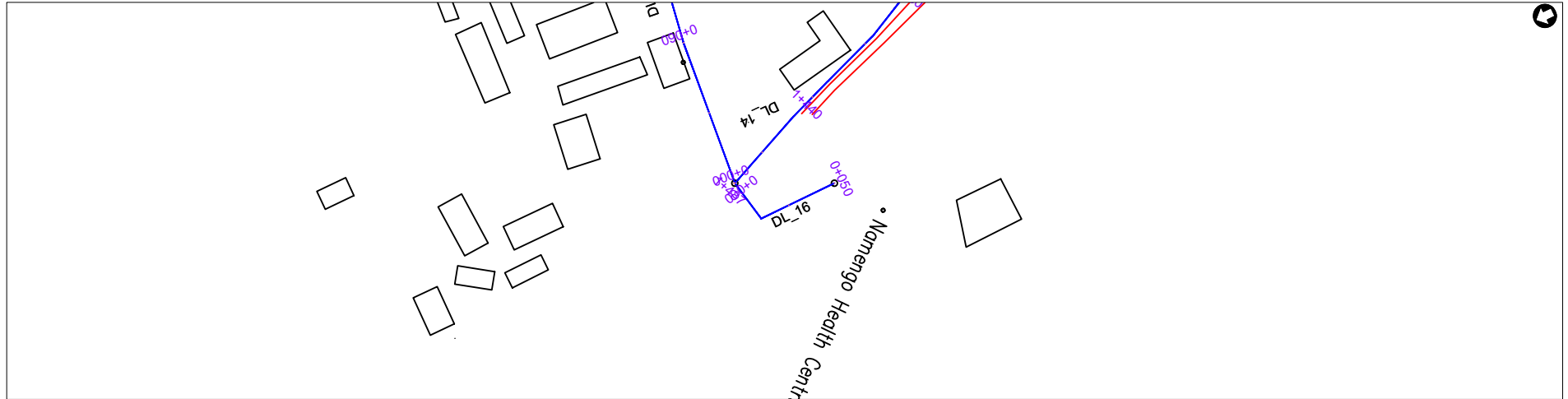
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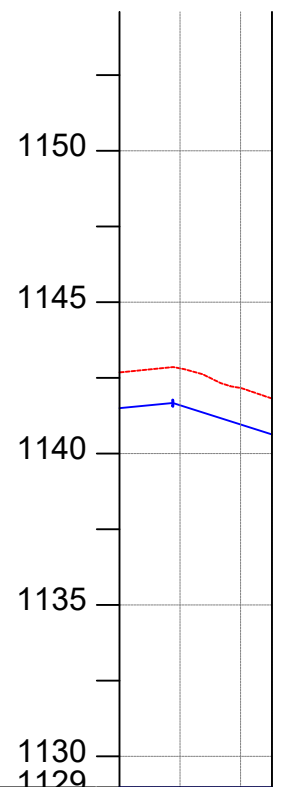
Drawing Title:

DL_15 (CH 4+000.00 - 4+376.13)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL_15 (CH 4+000.00 - 4+376.13)
Sheet No.: 9	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040	0+050
GROUND LEVEL(m)	1142.682	1142.814	1142.167	1141.816
PIPE DETAILS				
PIPE INVERT(m)	1141.582	1141.714	1141.067	1140.716

OD 50, PN10, HDPE

AMENDMENTS

No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

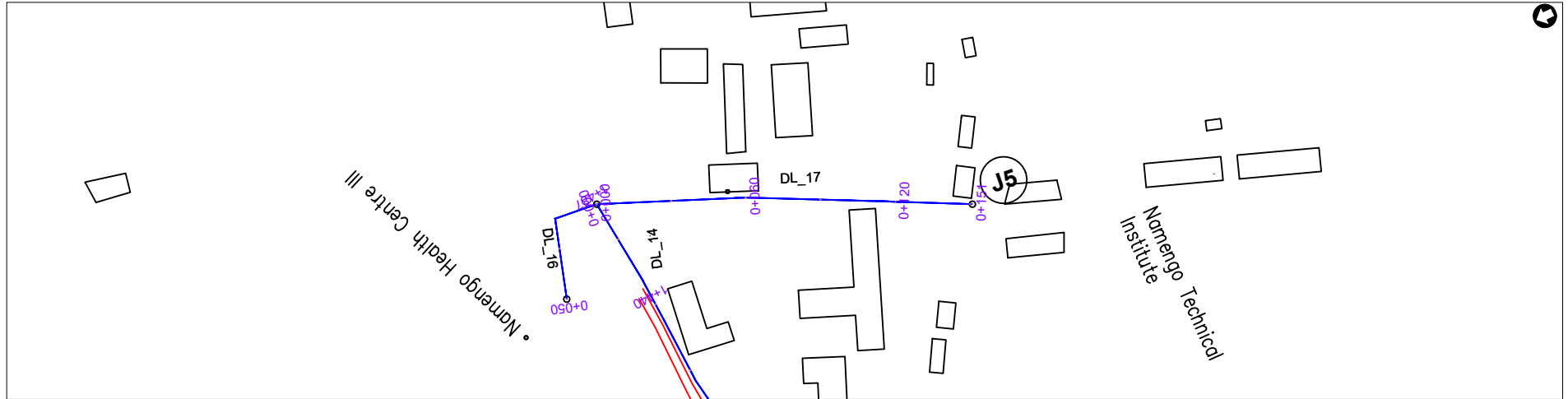
MINISTRY OF WATER AND ENVIRONMENT

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

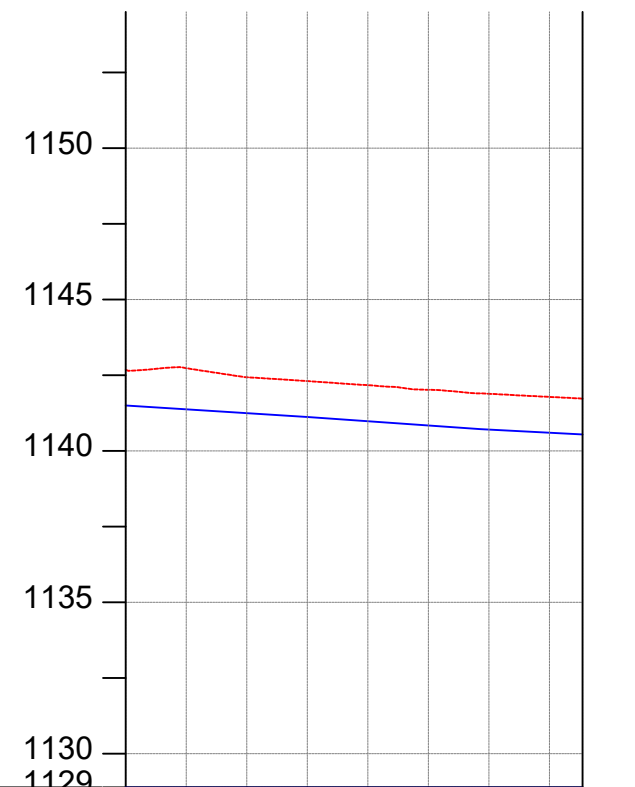
CONSULTANT:

Drawing Title:
DL_16 (CH 0+000.00 - 0+050.41)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_16 (CH 0+000.00 - 0+050.41)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+151
GROUND LEVEL(m)	1142.682	1142.732	1142.433	1142.305	1142.171	1142.017	1141.886	1141.781	1141.726
PIPE DETAILS	OD 50, PN10, HDPE								
PIPE INVERT(m)	1141.582	1141.632	1141.333	1141.205	1141.071	1140.917	1140.786	1140.681	1140.626

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

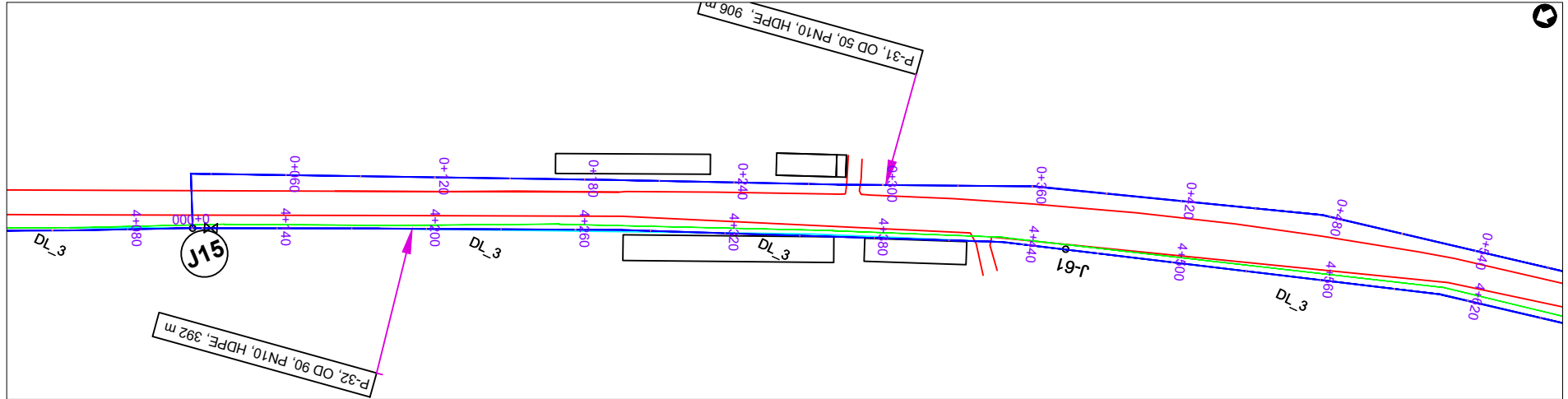
CONSULTANT:



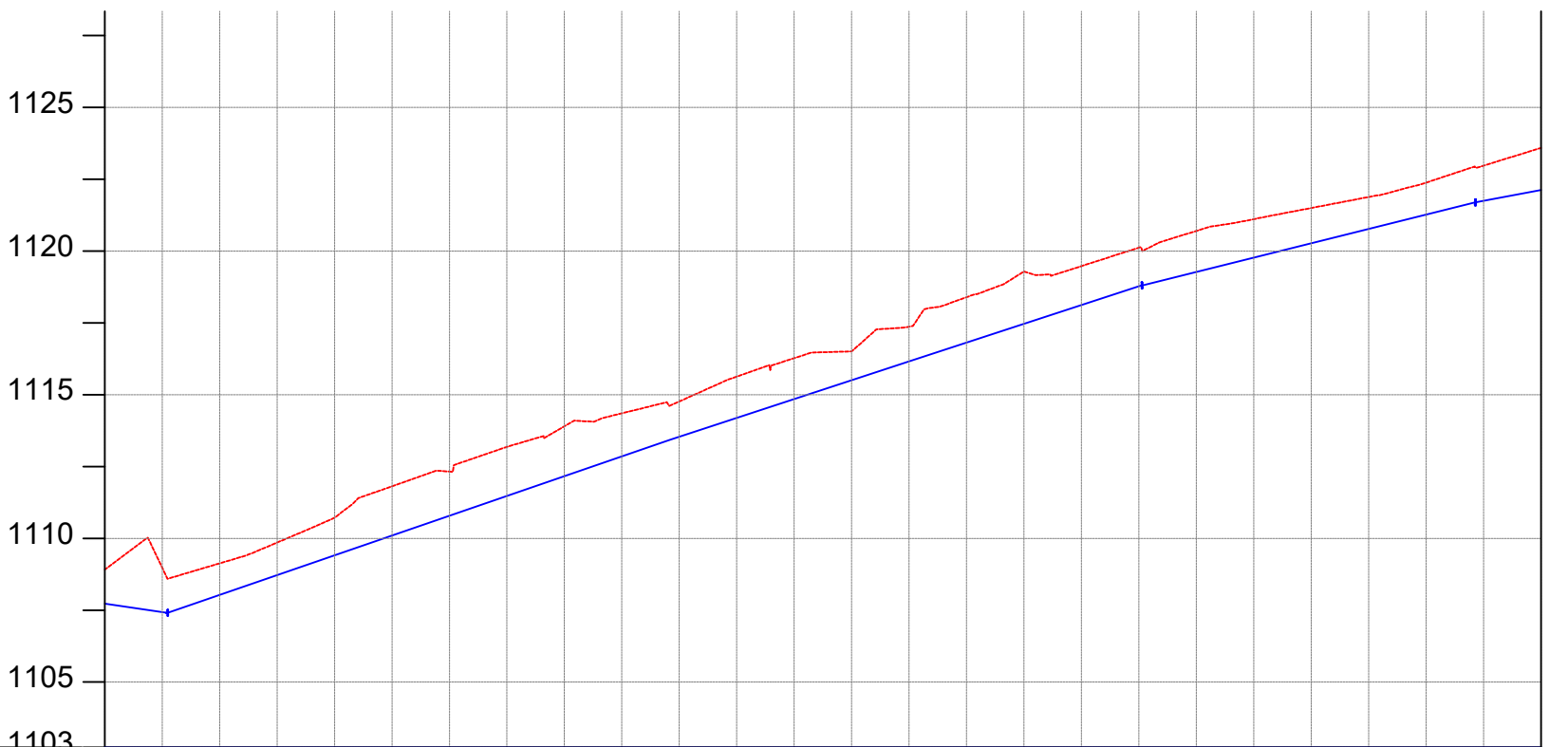
Drawing Title:

DL_17 (CH 0+000.00 - 0+150.96)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_17 (CH 0+000.00 - 0+150.96)	
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)	1108.915	1108.977	1109.131	1109.854	1110.718	1111.814	1112.324	1113.185	1113.901	1114.352	1114.764	1115.630	1116.271	1116.508	1117.367	1118.394	1119.288	1119.475	1120.118	1120.700	1121.106	1121.497	1121.881	1122.380	1122.971	1123.589		
PIPE DETAILS	OD 50, PN10, HDPE																											
PIPE INVERT(m)	1107.815	1107.877	1108.031	1108.754	1109.618	1110.714	1111.224	1112.085	1112.801	1113.252	1113.664	1114.530	1115.171	1115.408	1116.267	1117.294	1118.188	1118.375	1119.018	1119.600	1120.006	1120.397	1120.781	1121.280	1121.871	1122.489		

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

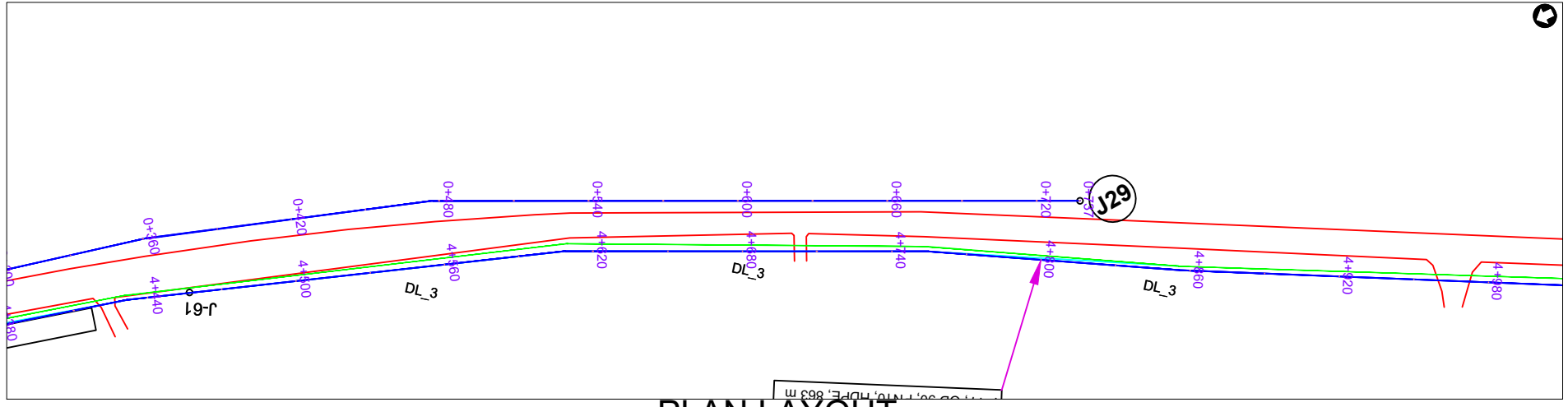
CONSULTANT:



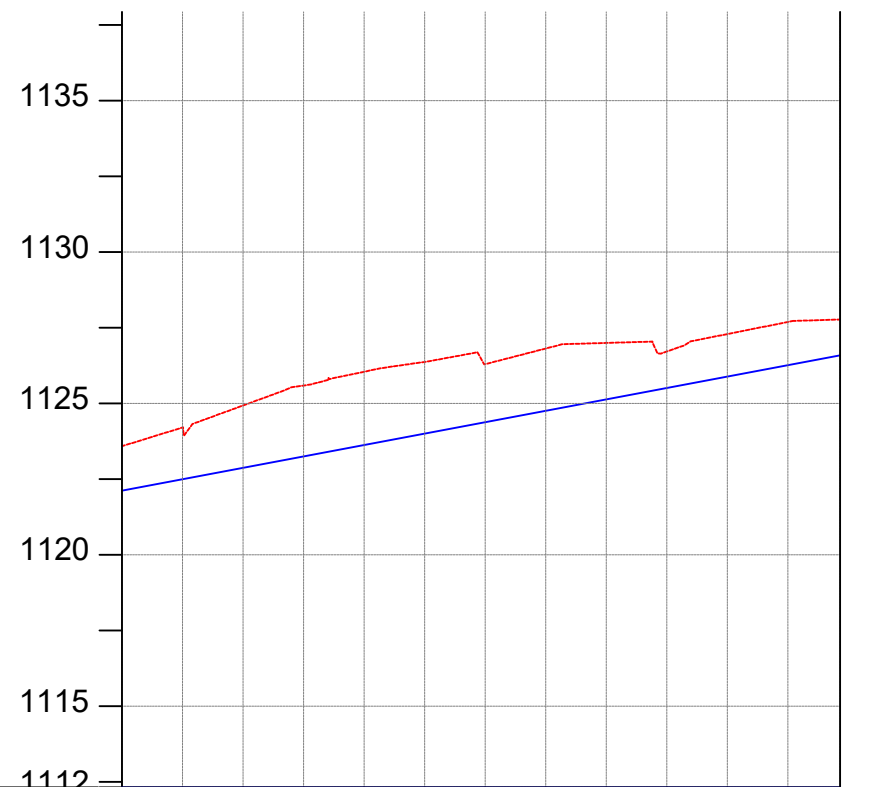
Drawing Title:

DL_18 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_18 (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+737
GROUND LEVEL(m)	1123.589	1124.207	1124.933	1125.592	1126.048	1126.373	1126.298	1126.815	1126.999	1126.715	1127.292	1127.691	1127.773
PIPE DETAILS	OD 50, PN10, HDPE												
PIPE INVERT(m)	1122.489	1123.107	1123.833	1124.492	1124.948	1125.273	1125.198	1125.715	1125.899	1125.615	1126.192	1126.591	1126.673

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

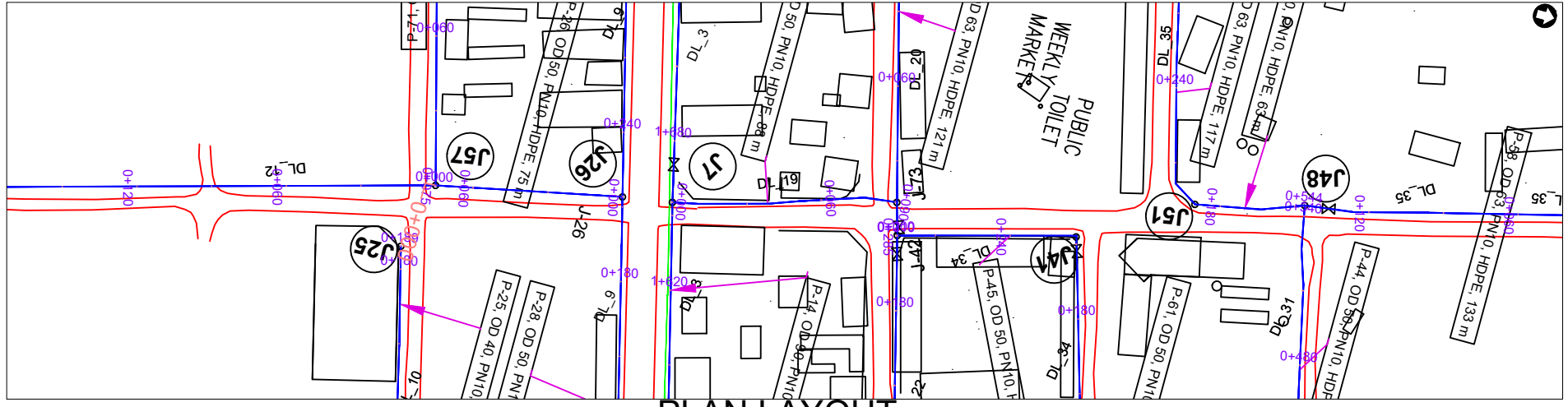
CONSULTANT:



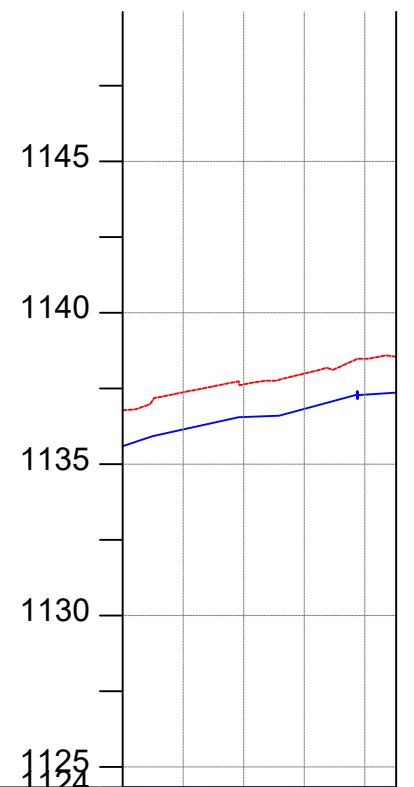
Drawing Title:

DL_18 (CH 0+500.00 - 0+737.22)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL_18 (CH 0+500.00 - 0+737.22)
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+090
GROUND LEVEL(m)	1136.781	1137.375	1137.636	1137.994
PIPE DETAILS	OD 50, PN10, HDPE			
PIPE INVERT(m)	1135.681	1136.275	1136.536	1136.894
	1137.382			1137.447

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

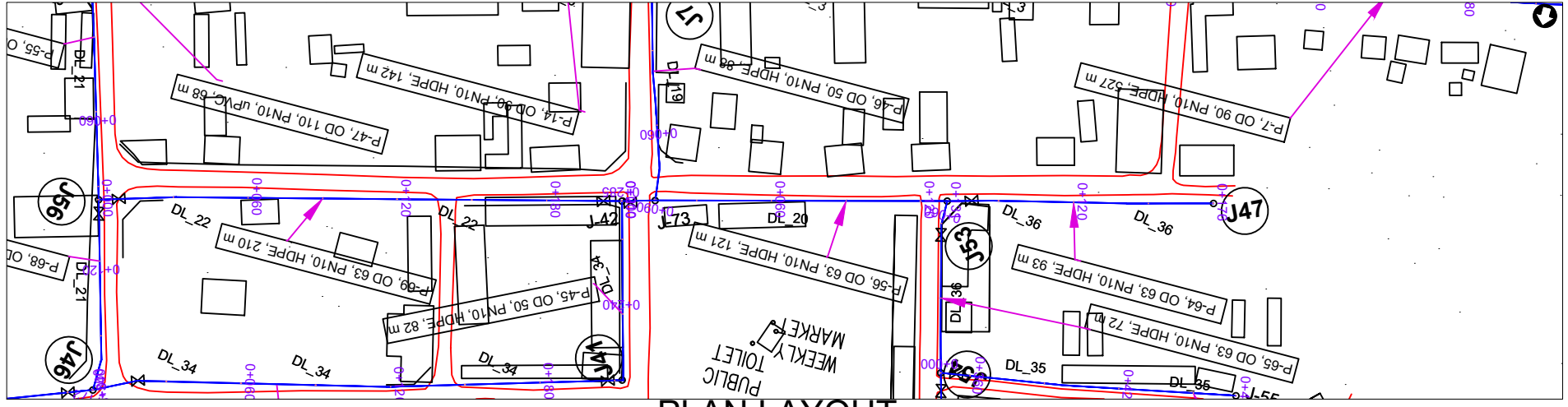
MINISTRY OF WATER AND ENVIRONMENT

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

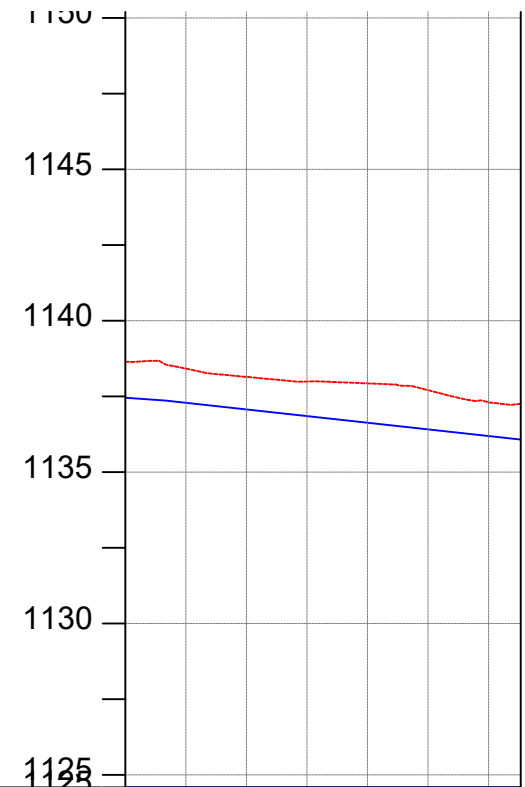
CONSULTANT:

Drawing Title:
DL_19 (CH 0+000.00 - 0+090.38)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_19 (CH 0+000.00 - 0+090.38)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+131
GROUND LEVEL(m)	1138.643	1138.417	1138.144	1137.930	1137.706
PIPE DETAILS	OD 63, PN10, HDPE				
PIPE INVERT(m)	1137.543	1137.317	1137.044	1136.892	1136.830
				1136.606	1136.203
					1136.158

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

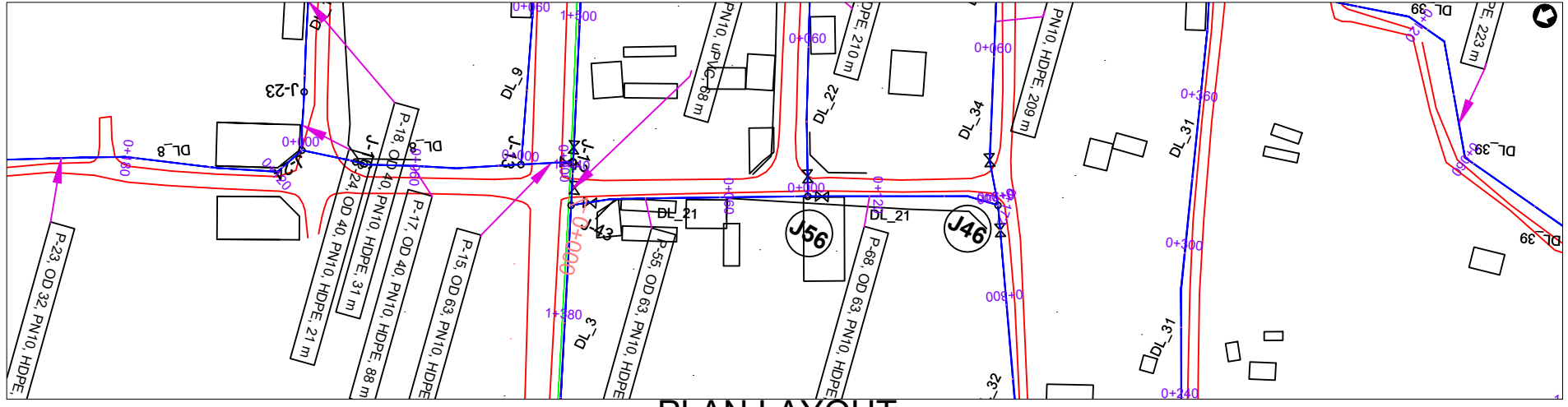
MINISTRY OF WATER AND ENVIRONMENT

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

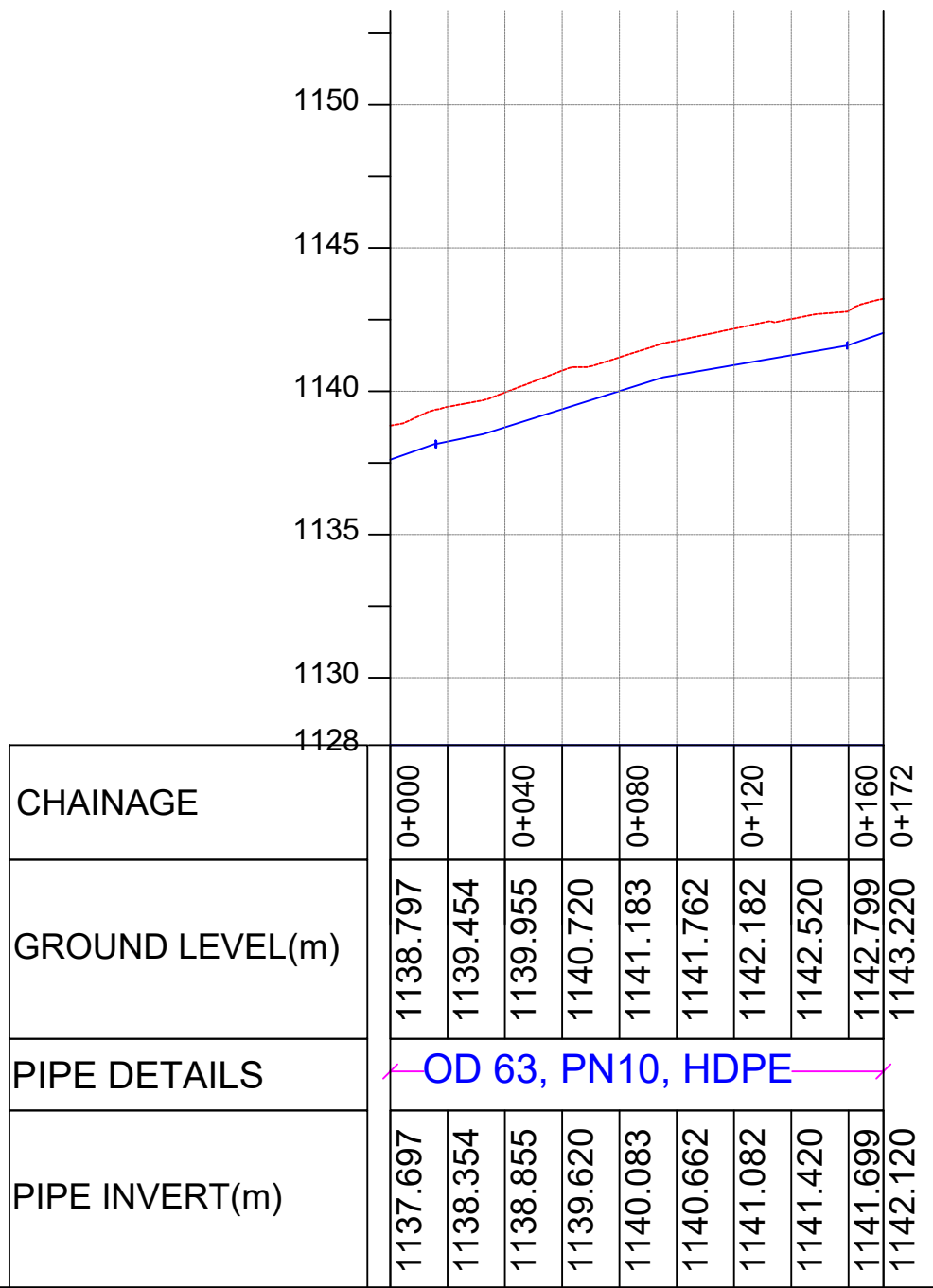
CONSULTANT:

Drawing Title:
DL_20 (CH 0+000.00 - 0+130.65)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_20 (CH 0+000.00 - 0+130.65)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



OD 63, PN10, HDPE

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

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

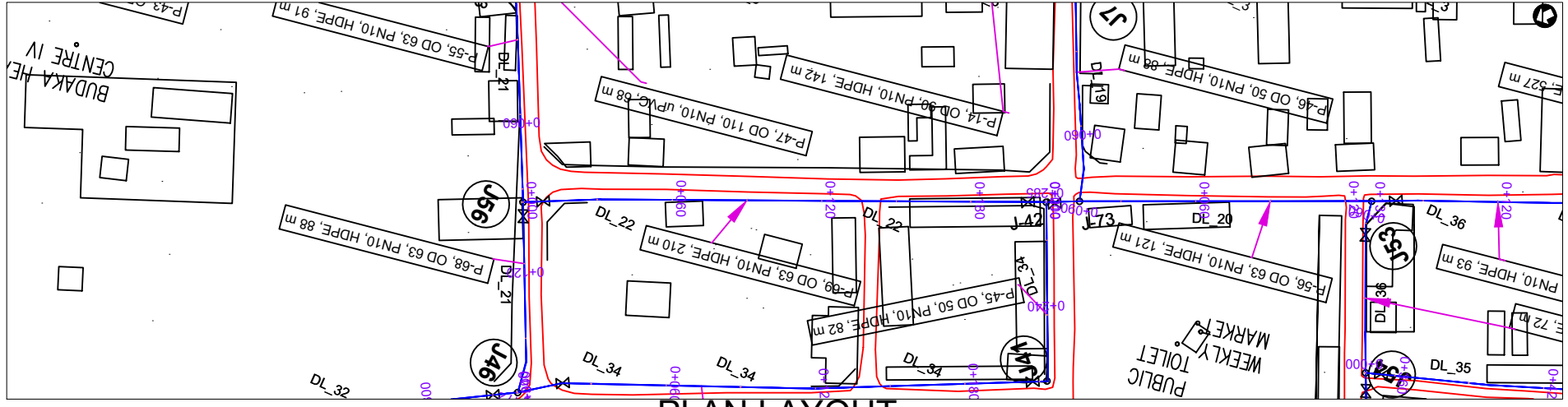
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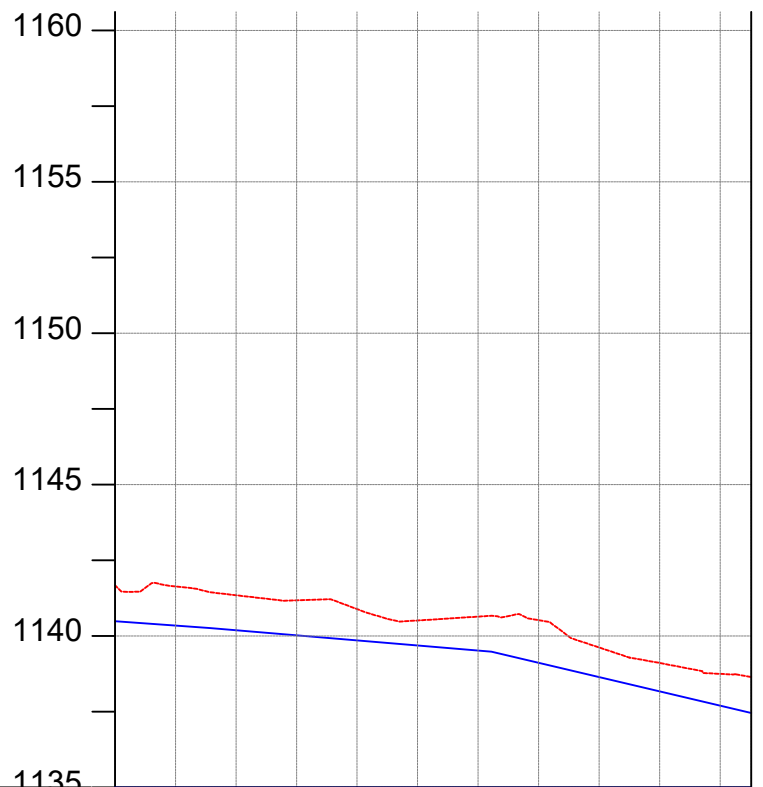


Drawing Title:
DL_21 (CH 0+000.00 - 0+172.22)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Drawing No.: IWMDP/MBA/DL_21 (CH 0+000.00 - 0+172.22)
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+160	0+200	0+210
GROUND LEVEL(m)	1141.672	1141.635	1141.345	1141.177	1140.889	1140.512	1139.748
PIPE DETAILS	OD 63, PN10, HDPE						
PIPE INVERT(m)	1140.572	1140.535	1140.245	1140.077	1139.789	1139.412	1138.648
							1137.543

AMENDMENTS		
No	Date	Revision

- NOTES**
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 - For Node details, see Dwg. MBW/6.0.0
 - All valves, hydrants and washout locations are identified by marker post in positions.

LEGEND

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

REPUBLIC OF UGANDA

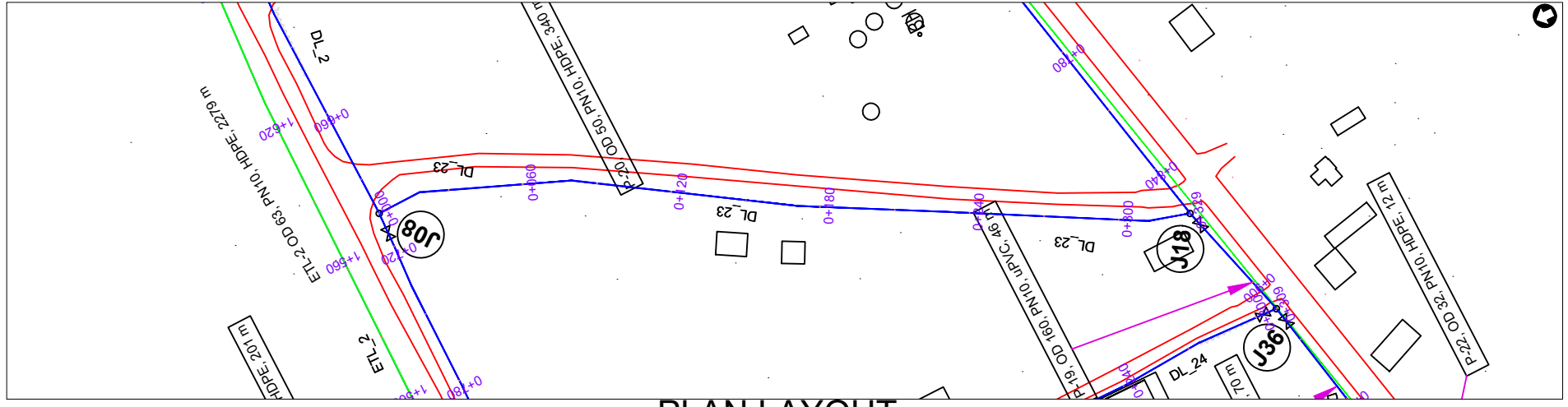
MINISTRY OF WATER AND ENVIRONMENT

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

CONSULTANT:

Drawing Title:
DL_22 (CH 0+000.00 - 0+210.22)

Drawn by : Andrew Turyakira	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+210.22)	
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+329
GROUND LEVEL(m)	1150.746	1150.093	1149.525	1149.606	1149.623	1149.048	1148.208	1147.608	1147.080	1146.594	1146.145	1145.720	1145.401	1145.019	1144.599	1144.069	1143.746	1143.920
PIPE DETAILS	OD 50, PN10, HDPE																	
PIPE INVERT(m)	1149.646	1148.993	1148.425	1148.506	1148.523	1147.948	1147.108	1146.508	1145.980	1145.494	1145.045	1144.620	1144.301	1143.919	1143.499	1142.969	1142.646	1142.820

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

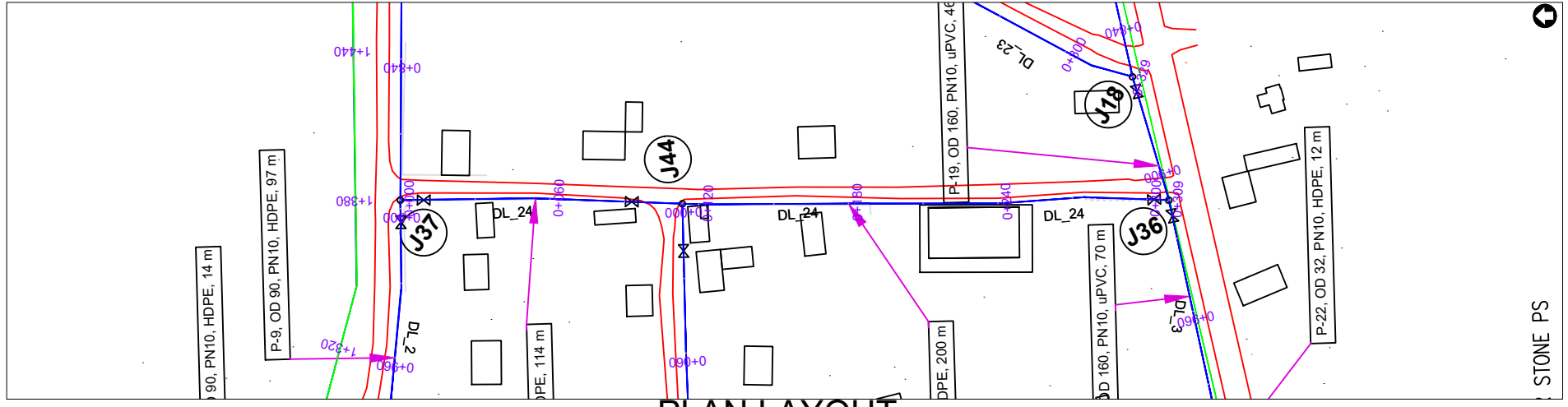
CONSULTANT:



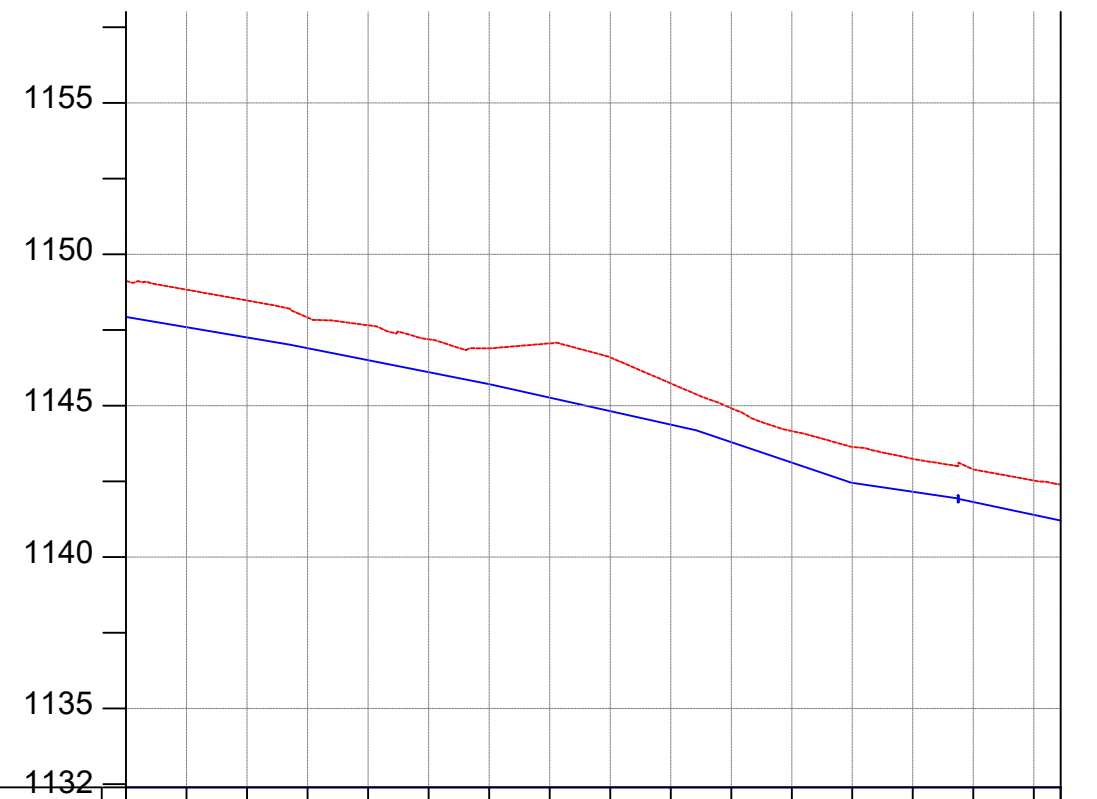
Drawing Title:

DL_23 (CH 0+000.00 - 0+328.95)

Drawn by : Andrew Turyakira	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+328.95)	
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+309	
GROUND LEVEL(m)	1149.117	1148.831	1148.474	1147.910	1147.655	1147.194	1146.892	1147.057	1146.596	1145.736	1144.915	1144.161	1143.638	1143.245	1142.893	1142.526	1142.391
PIPE DETAILS	OD 63, PN10, HDPE																
PIPE INVERT(m)	1148.017	1147.731	1147.374	1146.810	1146.555	1146.094	1145.792	1145.957	1145.496	1144.636	1143.815	1143.061	1142.538	1142.145	1141.793	1141.426	1141.291

OD 63, PN10, HDPE

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

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

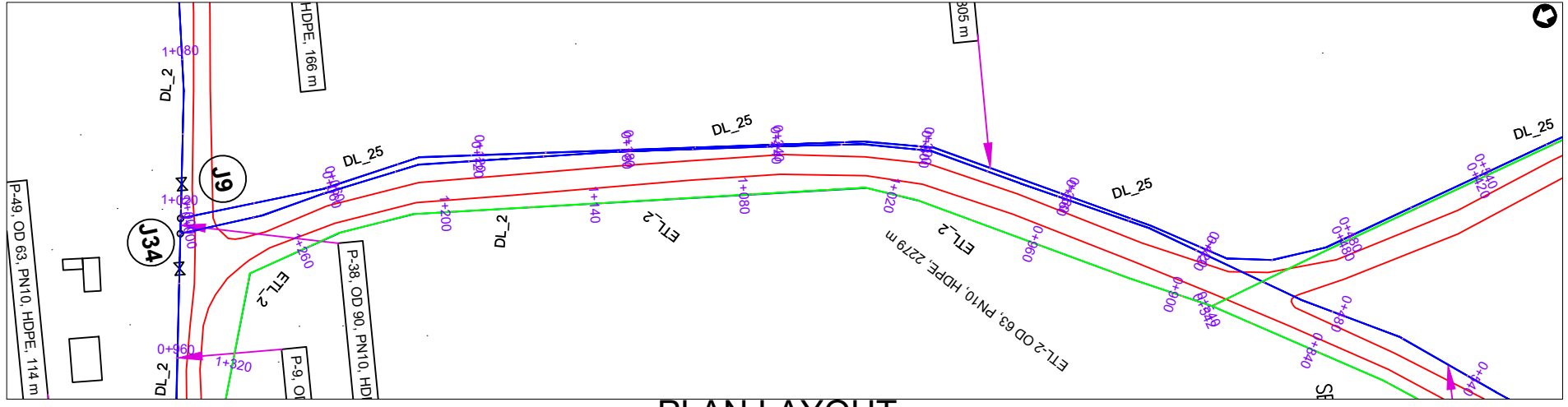
CONSULTANT:



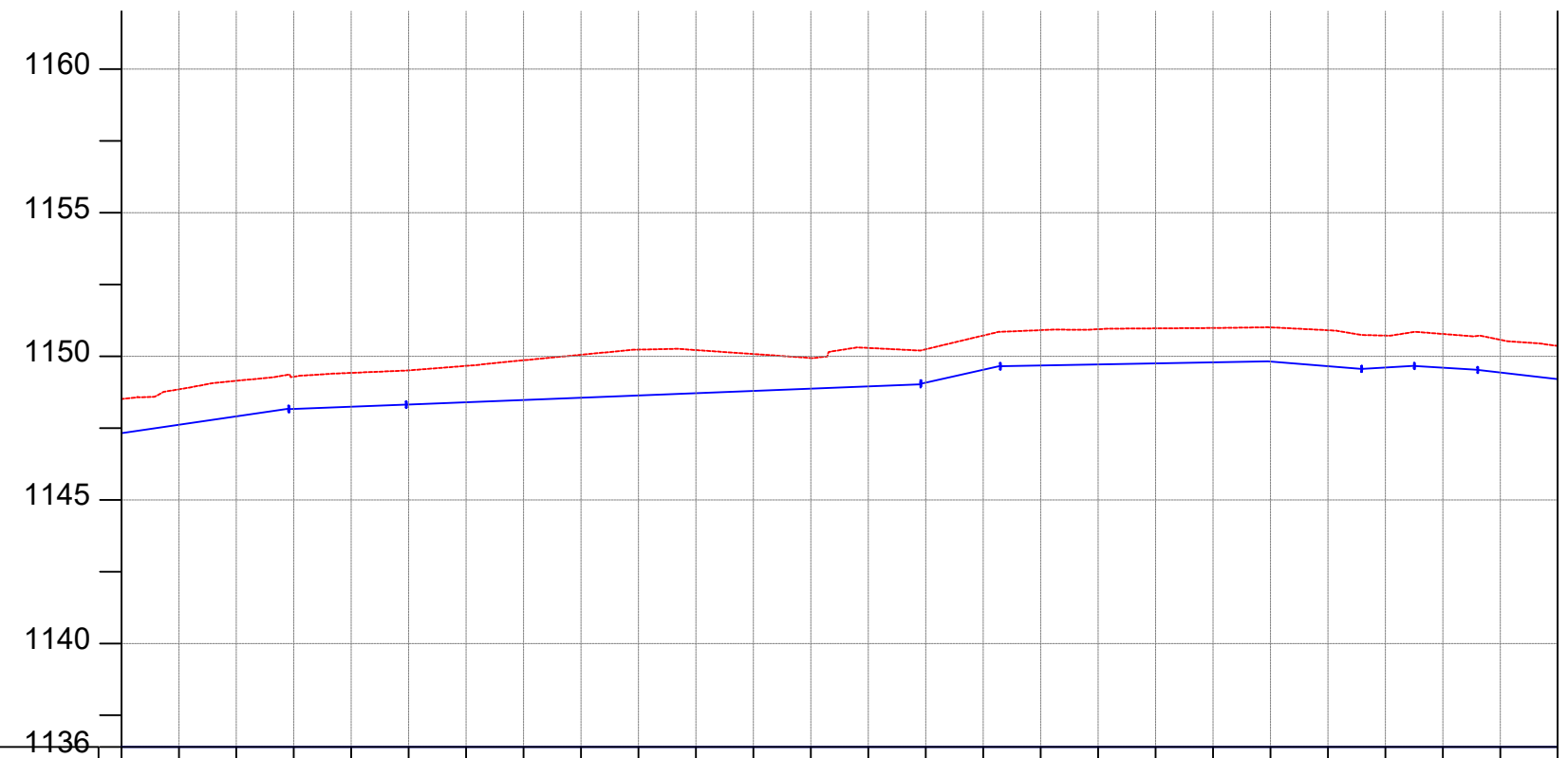


Drawing Title:
DL_24 (CH 0+000.00 - 0+308.83)

Drawn by : Andrew Turyakira	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+308.83)	
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)	1148.510	1148.849	1149.146	1149.288	1149.422	1149.509	1149.666	1149.861	1150.053	1150.231	1150.216	1150.078	1149.941	1150.289	1150.245	1150.722	1150.911	1150.942	1150.971	1150.985	1151.005	1150.909	1150.719	0+440	1150.777	1150.572	0+480	1150.358	0+500
PIPE DETAILS	OD 63, PN10, HDPE																												
PIPE INVERT(m)	1147.410	1147.749	1148.046	1148.188	1148.322	1148.409	1148.566	1148.761	1148.953	1149.131	1149.116	1148.978	1148.841	1149.189	1149.145	1149.622	1149.811	1149.842	1149.871	1149.885	1149.905	1149.809	1149.619	1149.677	1149.472	1149.258			

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

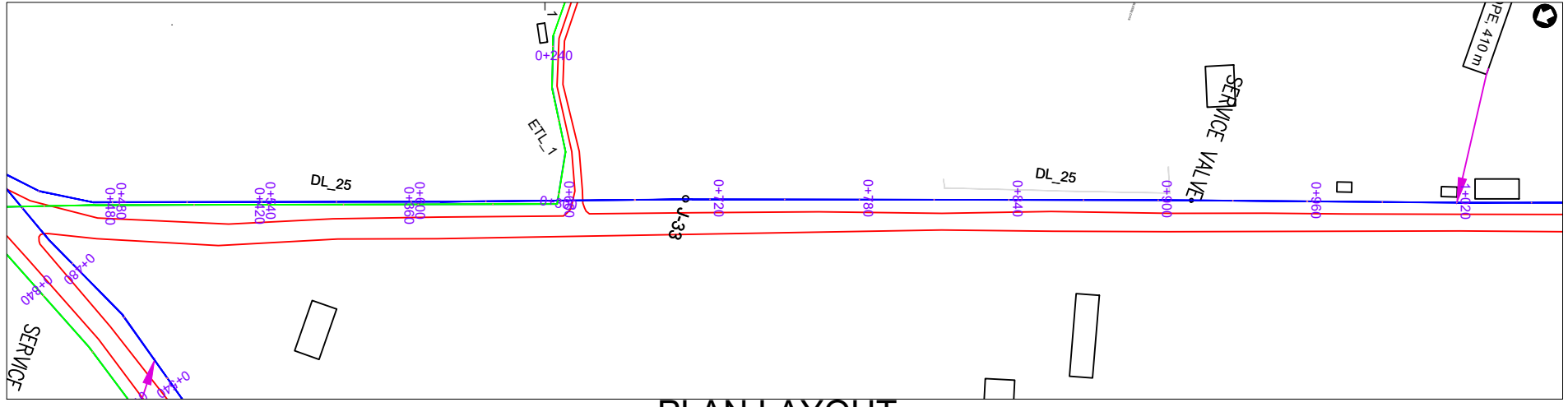
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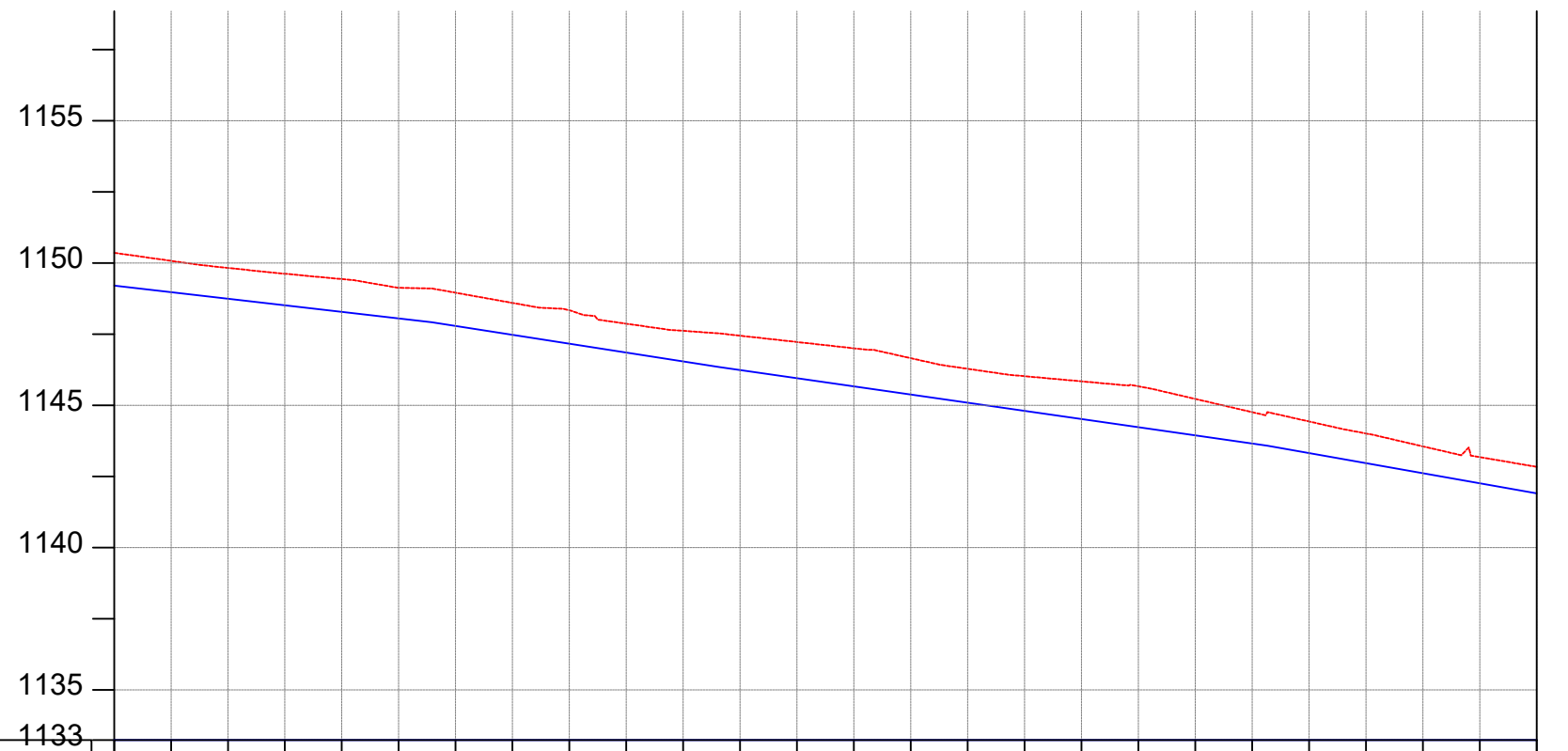
Drawing Title:

DL_25 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	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+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)	1150.358	1150.075	1149.827	1149.622	1149.435	1149.128	1148.955	1148.597	1148.338	1147.867	1147.616	1147.445	1147.224	1147.002	1146.655	1146.282	1146.022	1145.841	1145.668	1145.223	1144.758	1144.431	1144.008	1143.555	1143.177	1142.836	1+000
PIPE DETAILS	OD 63, PN10, HDPE														OD 50, PN10, HDPE												
PIPE INVERT(m)	1149.258	1148.975	1148.727	1148.522	1148.335	1148.028	1147.855	1147.497	1147.238	1146.767	1146.516	1146.345	1146.124	1145.902	1145.555	1145.182	1144.922	1144.741	1144.568	1144.123	1143.658	1143.331	1142.908	1142.455	1142.077	1141.736	

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

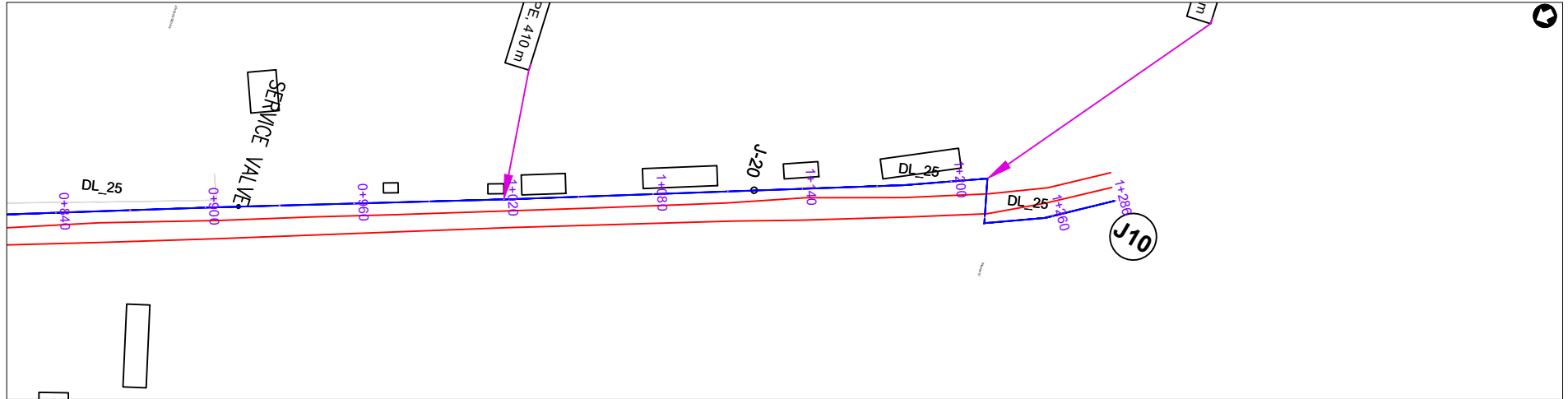
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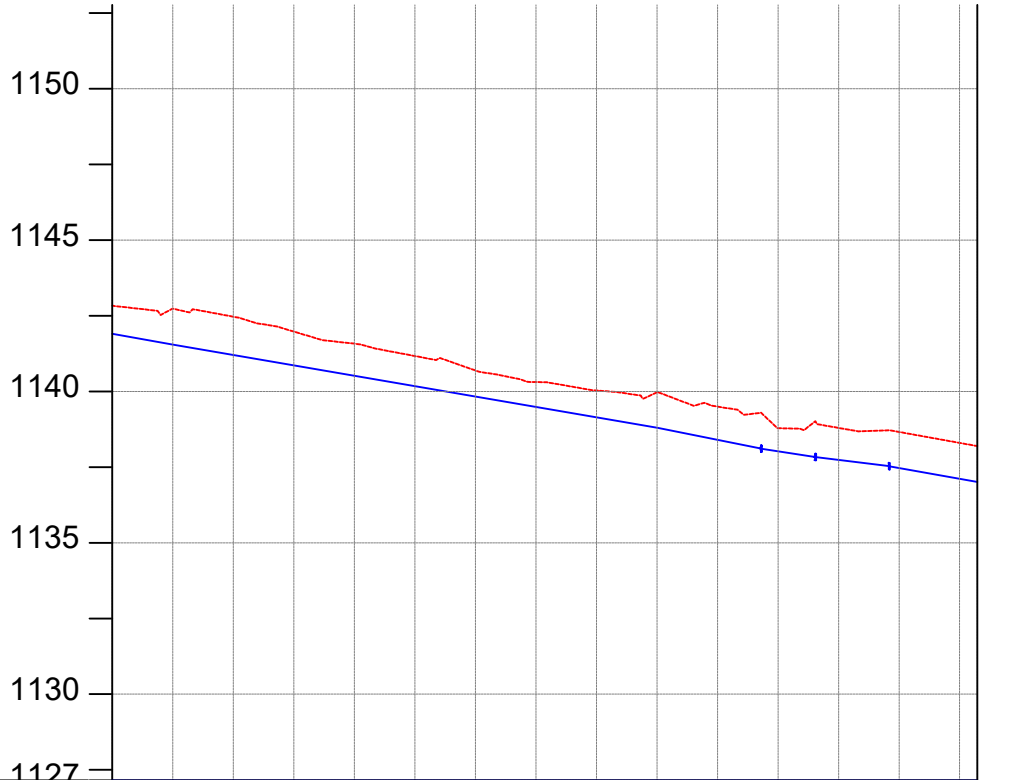
Drawing Title:

DL_25 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	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+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+288
GROUND LEVEL(m)	1142.836	1142.735	1142.469	1141.977	1141.578	1141.169	1140.693	1140.310	1140.030	1139.971	1139.498	1138.785	1138.795	1138.661	1138.700
PIPE DETAILS	OD 50, PN10, HDPE														
PIPE INVERT(m)	1141.736	1141.635	1141.369	1140.877	1140.478	1140.069	1139.593	1139.210	1138.930	1138.871	1138.398	1137.685	1137.695	1137.561	1137.600

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

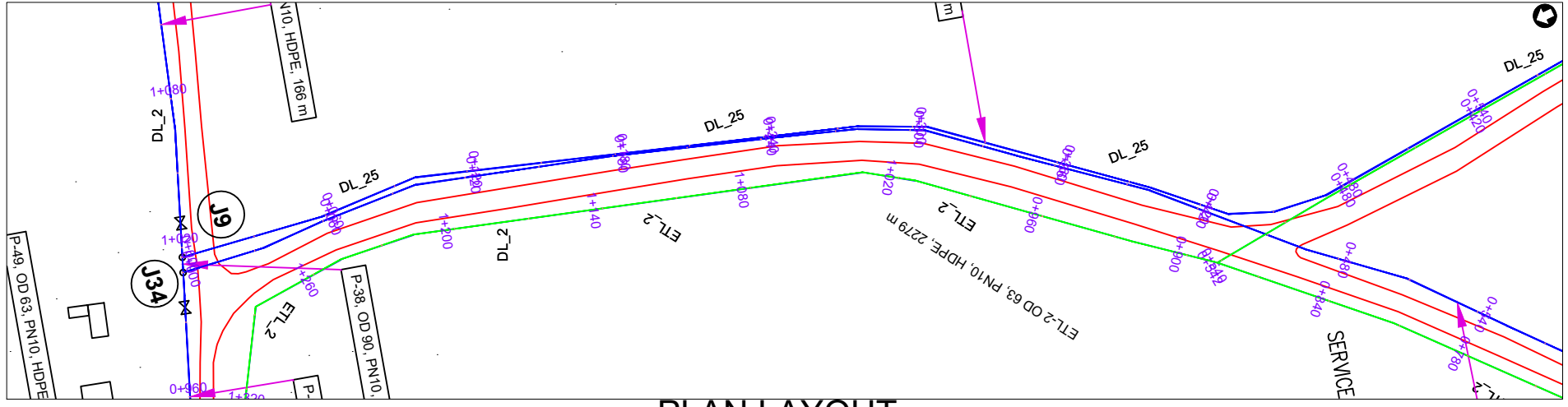
CONSULTANT:



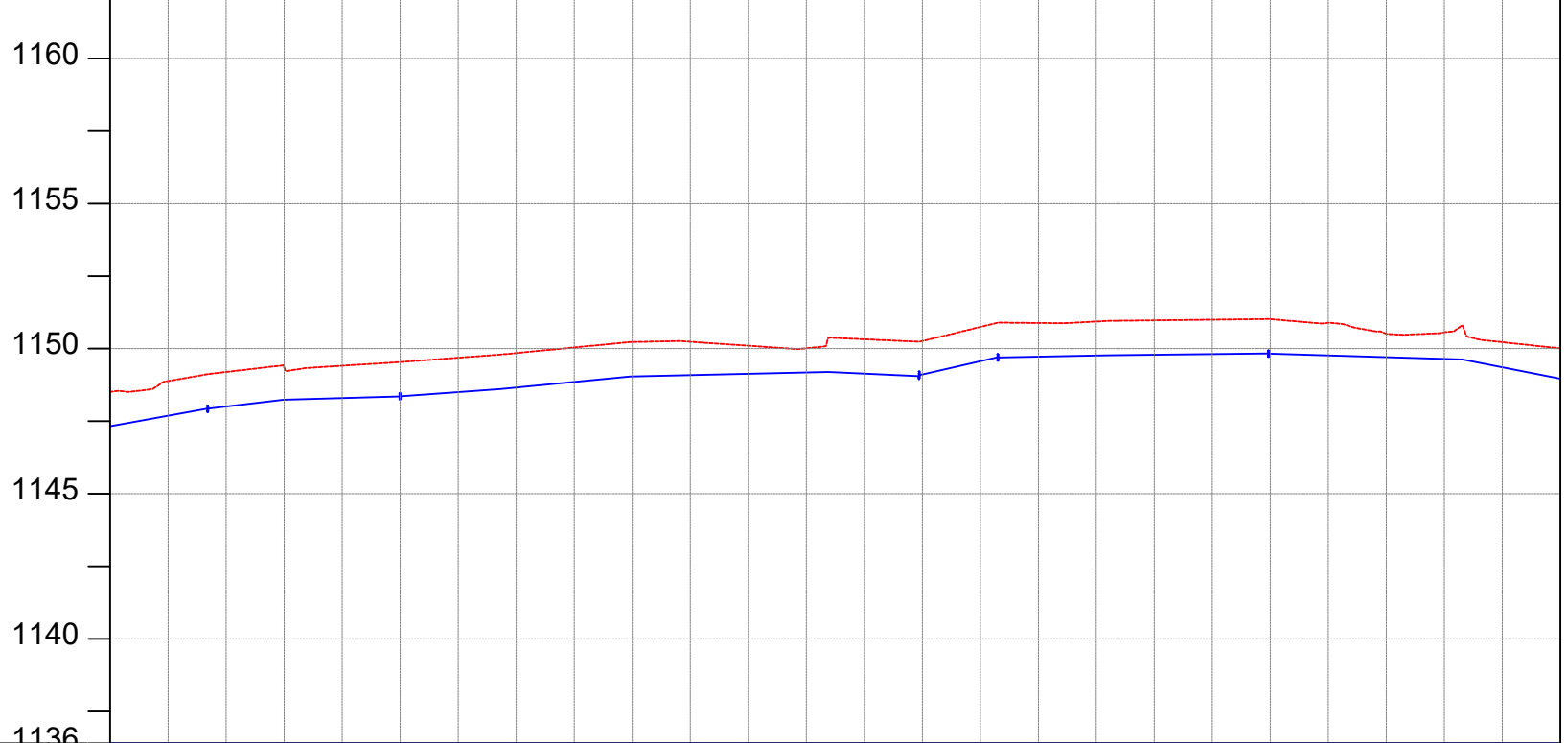
Drawing Title:

DL_25 (CH 1+000.00 - 1+285.83)

Drawn by : Andrew Turyakira	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 1+000.00 - 1+285.83)	
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)	1148.514	1148.883	1149.197	1149.359	1149.412	1149.538	1149.688	1149.849	1150.042	1150.229	1150.238	1150.101	1150.013	1150.324	1150.260	1150.747	1150.885	1150.935	1150.975	1150.998	1151.016	1150.889	1150.512	1150.563	1150.222	1150.013		
PIPE DETAILS	OD 63, PN10, HDPE																											
PIPE INVERT(m)	1147.414	1147.783	1148.097	1148.259	1148.312	1148.438	1148.588	1148.749	1148.942	1149.129	1149.138	1149.001	1148.913	1149.224	1149.160	1149.647	1149.785	1149.835	1149.875	1149.898	1149.916	1149.789	1149.412	1149.463	1149.122	1148.913		

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

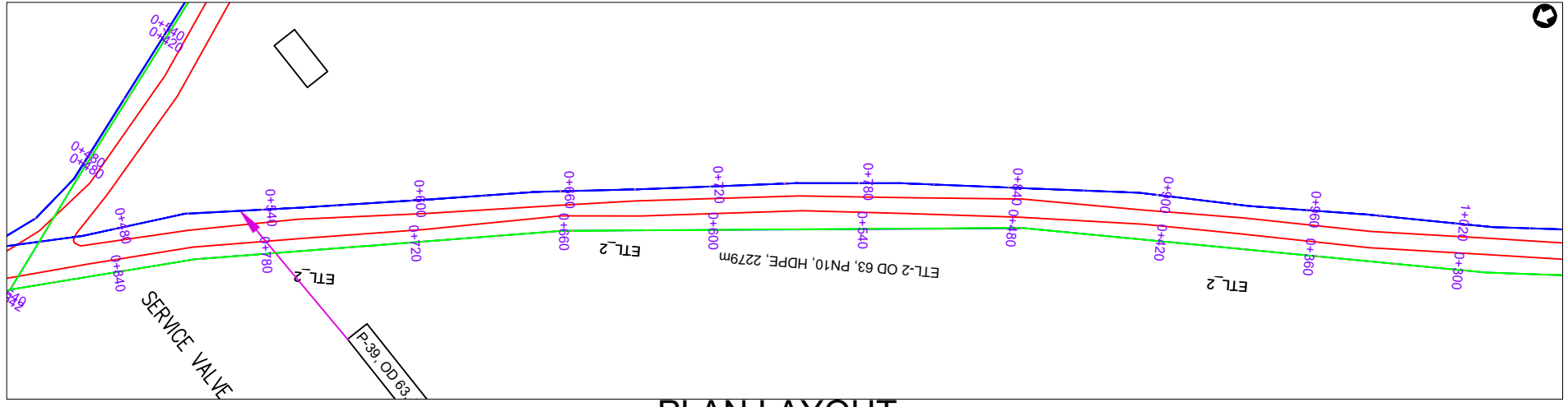
CONSTRUCTION WORKS FOR WATER SUPPLY AND SANITATION SYSTEM IN SMALL TOWNS OF BUDAKA, KADAMA, KIBUKU & TIRINYI

CONSULTANT:

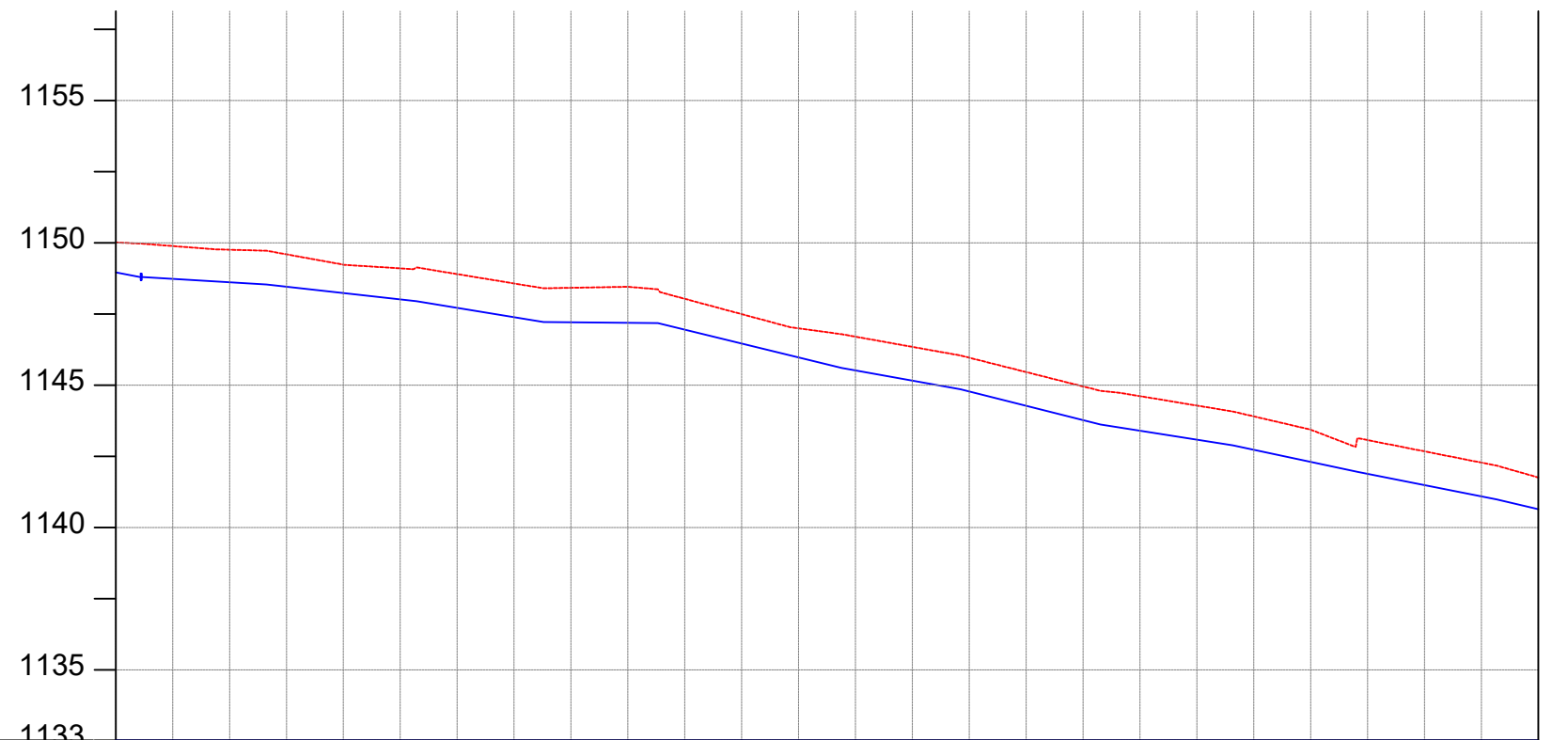
Drawing Title:

DL_26 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	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+720	0+760	0+800	0+840	0+880	0+920	0+960	1+000															
GROUND LEVEL(m)	1150.013	1149.887	1149.758	1149.596	1149.234	1149.103	1148.902	1148.573	1148.420	1148.456	1148.034	1147.495	1146.994	1146.703	1146.345	1145.965	1145.460	1144.955	1144.614	1144.283	1143.903	1143.436	1143.071	1142.675	1142.280	1141.758			
PIPE DETAILS	OD 63, PN10, HDPE																												
PIPE INVERT(m)	1148.913	1148.787	1148.658	1148.496	1148.134	1148.003	1147.802	1147.473	1147.320	1147.356	1146.934	1146.395	1145.894	1145.603	1145.245	1144.865	1144.360	1143.855	1143.514	1143.183	1142.803	1142.336	1141.971	1141.575	1141.180	1140.658			

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

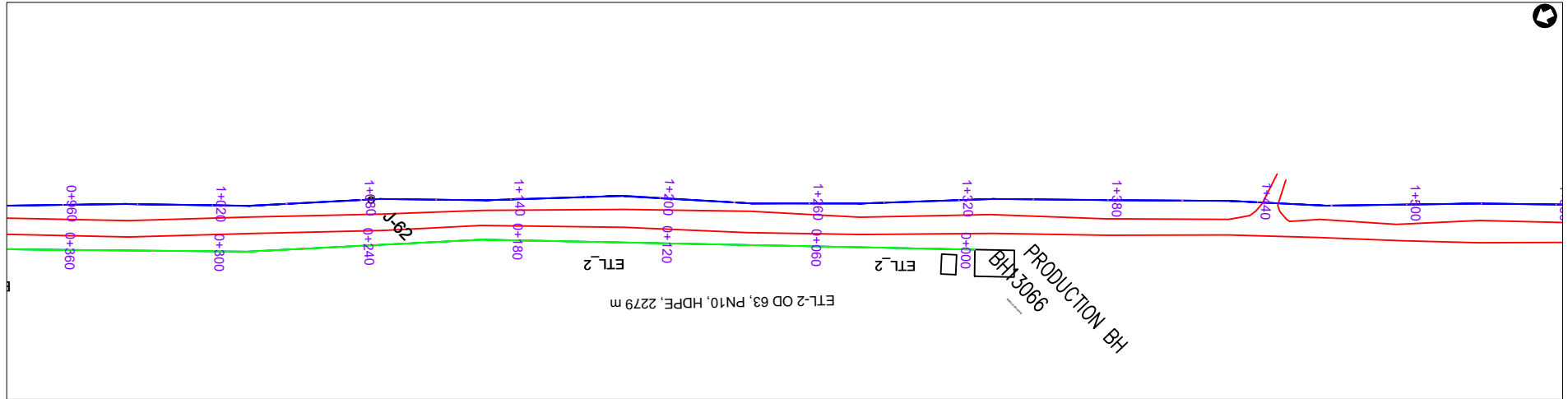
MINISTRY OF WATER AND ENVIRONMENT

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

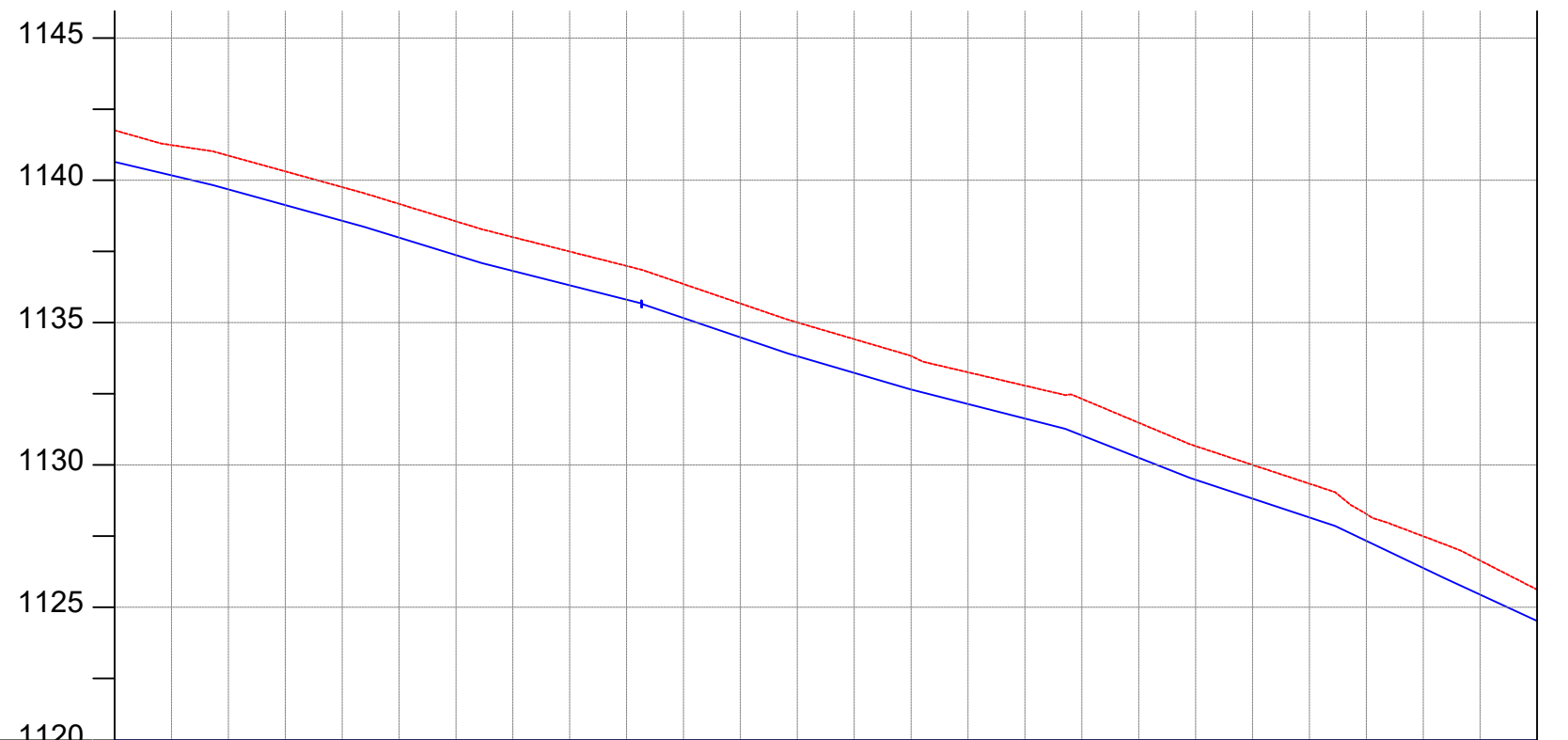
CONSULTANT:

Drawing Title:
DL_26 (CH 0+500.00 - 1+000.00)

Drawn by : Andrew Turyakira	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 - 1+000.00)	
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	1+000		1+040		1+080		1+120		1+160		1+200		1+240		1+280		1+320		1+360		1+400		1+440		1+480	1+500
GROUND LEVEL(m)	1141.758	1141.237	1140.867	1140.314	1139.761	1139.171	1138.559	1138.004	1137.497	1136.991	1136.355	1135.672	1135.006	1134.419	1133.826	1133.256	1132.786	1132.322	1131.483	1130.662	1130.002	1129.342	1128.281	1127.495	1126.642	1125.620
PIPE DETAILS	OD 63, PN10, HDPE												OD 50, PN10, HDPE													
PIPE INVERT(m)	1140.658	1140.137	1139.767	1139.214	1138.661	1138.071	1137.459	1136.904	1136.397	1135.891	1135.255	1134.572	1133.906	1133.319	1132.726	1132.156	1131.686	1131.222	1130.383	1129.562	1128.902	1128.242	1127.181	1126.395	1125.542	1124.520

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

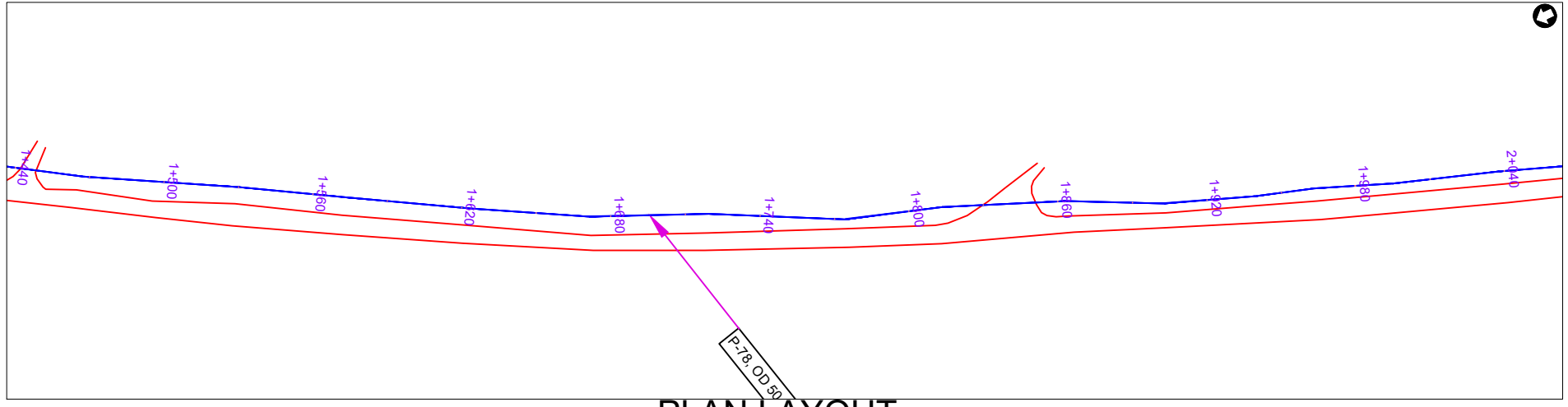
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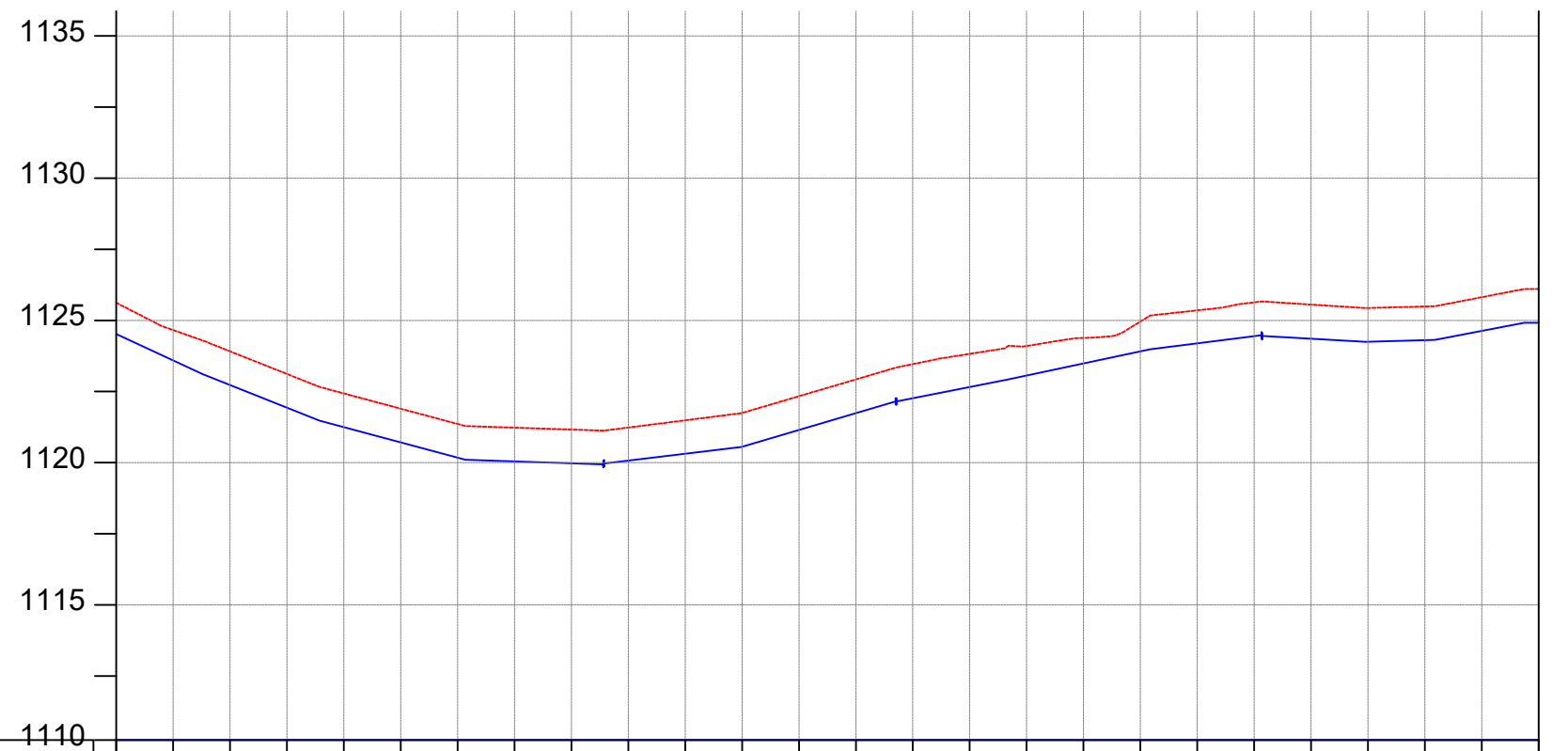
Drawing Title:

DL_26 (CH 1+000.00 - 1+500.00)

Drawn by : Andrew Turyakira	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 1+000.00 - 1+500.00)	
Sheet No.: 3	Format: A3



PLAN LAYOUT



CHAINAGE	1+500	1+520		1+560		1+600		1+640		1+680		1+720		1+760		1+800		1+840		1+880		1+920		1+960		2+000		
GROUND LEVEL(m)	1125.620	1124.661	1123.914	1123.118	1122.434	1121.897	1121.361	1121.230	1121.164	1121.235	1121.489	1121.747	1122.337	1122.926	1123.465	1123.825	1124.100	1124.382	1124.962	1125.353	1125.634	1125.556	1125.435	1125.489	1125.816	1126.101		
PIPE DETAILS	OD 50, PN10, HDPE																											
PIPE INVERT(m)	1124.520	1123.561	1122.814	1122.018	1121.334	1120.797	1120.261	1120.130	1120.064	1120.135	1120.389	1120.647	1121.237	1121.826	1122.365	1122.725	1123.000	1123.282	1123.862	1124.253	1124.534	1124.456	1124.335	1124.389	1124.716	1125.001		

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

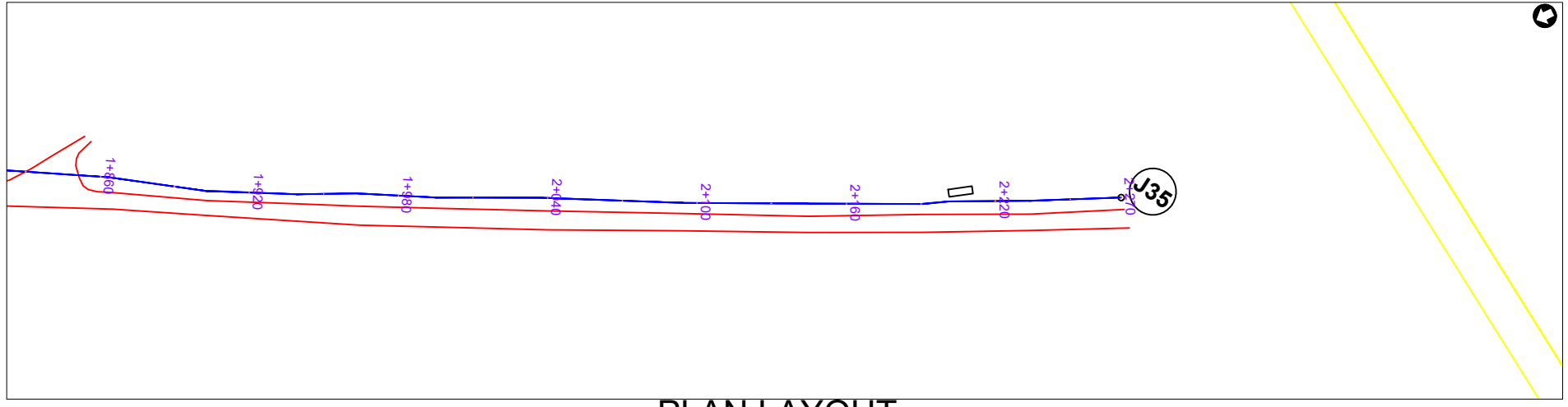
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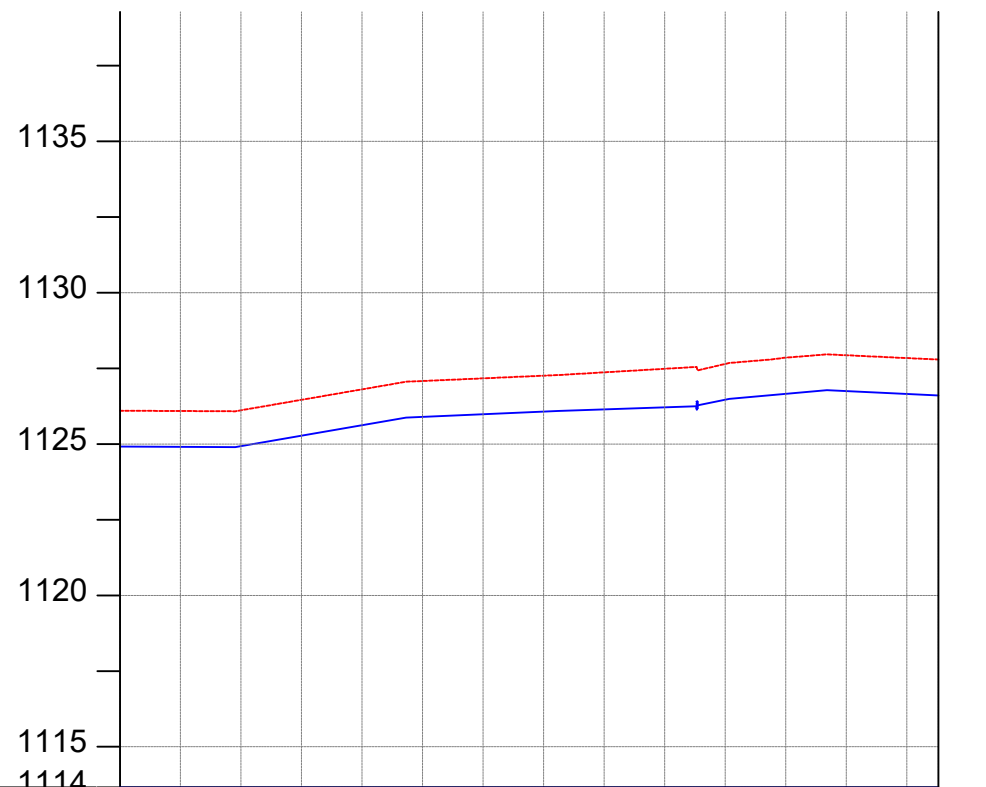
Drawing Title:

DL_26 (CH 1+500.00 - 2+000.00)

Drawn by : Andrew Turyakira	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 1+500.00 - 2+000.00)	
Sheet No.: 4	Format: A3



PLAN LAYOUT



CHAINAGE	2+000		2+040		2+080		2+120		2+160		2+200		2+240		2+270
GROUND LEVEL(m)	1126.101	1126.091	1126.115	1126.461	1126.807	1127.082	1127.170	1127.258	1127.368	1127.485	1127.646	1127.852	1127.932	1127.840	1127.791
PIPE DETAILS	OD 50, PN10, HDPE														
PIPE INVERT(m)	1125.001	1124.991	1125.015	1125.361	1125.707	1125.982	1126.070	1126.158	1126.268	1126.385	1126.546	1126.752	1126.832	1126.740	1126.691

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

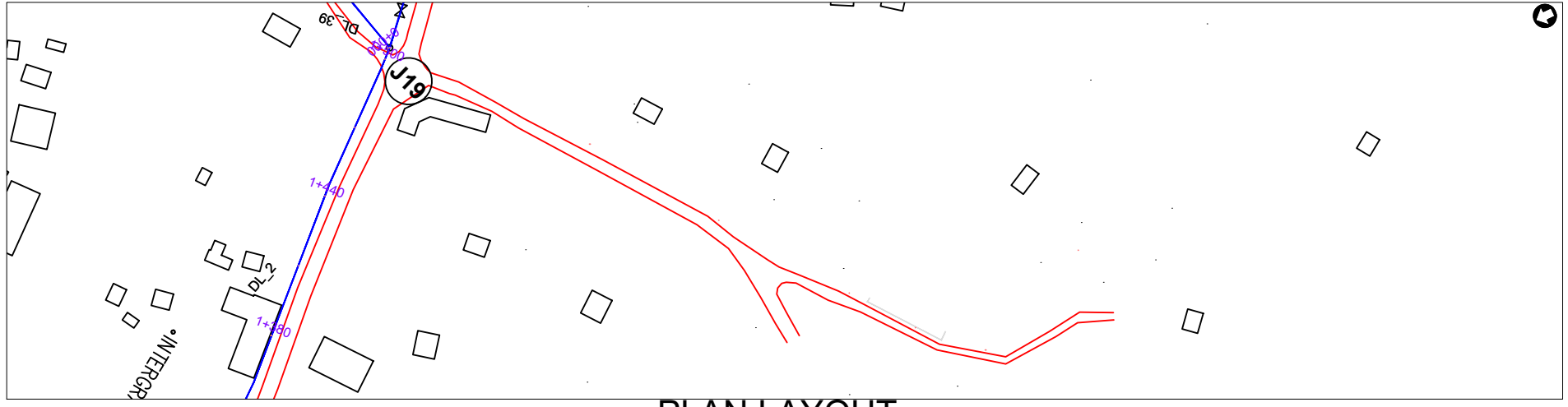
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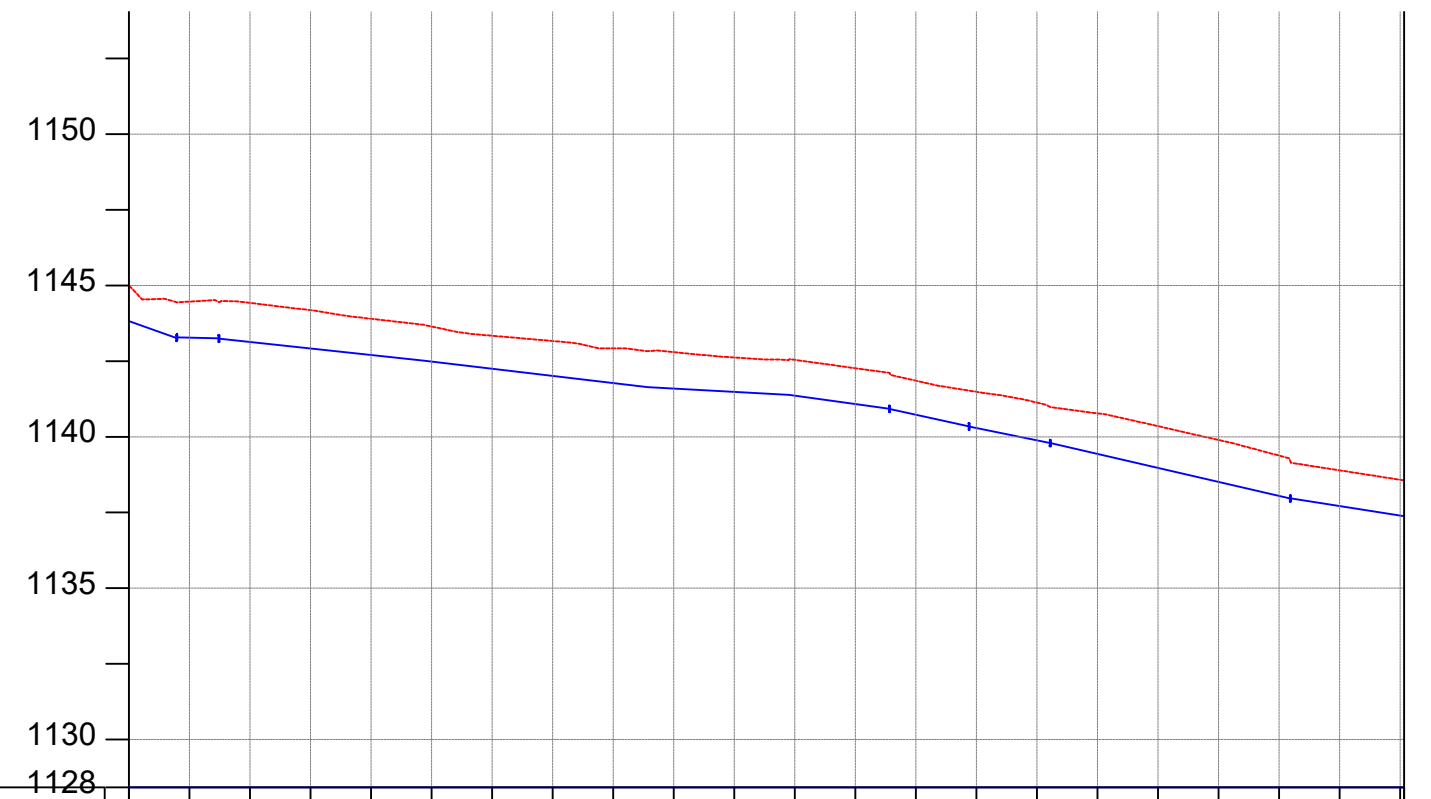
Drawing Title:

DL_26 (CH 2+000.00 - 2+270.45)

Drawn by : Andrew Turyakira	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 2+000.00 - 2+270.45)	
Sheet No.: 5	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+421										
GROUND LEVEL(m)	1145.006	1144.466	1144.423	1144.185	1143.900	1143.644	1143.339	1143.165	1142.924	1142.797	1142.620	1142.542	1142.266	1141.854	1141.488	1141.132	1140.776	1140.353	1139.897	1139.380	1138.892	1138.562
PIPE DETAILS	OD 20, PN10, HDPE																					
PIPE INVERT(m)	1143.906	1143.366	1143.323	1143.085	1142.800	1142.544	1142.239	1142.065	1141.824	1141.697	1141.520	1141.442	1141.166	1140.754	1140.388	1140.032	1139.676	1139.253	1138.797	1138.280	1137.792	1137.462

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

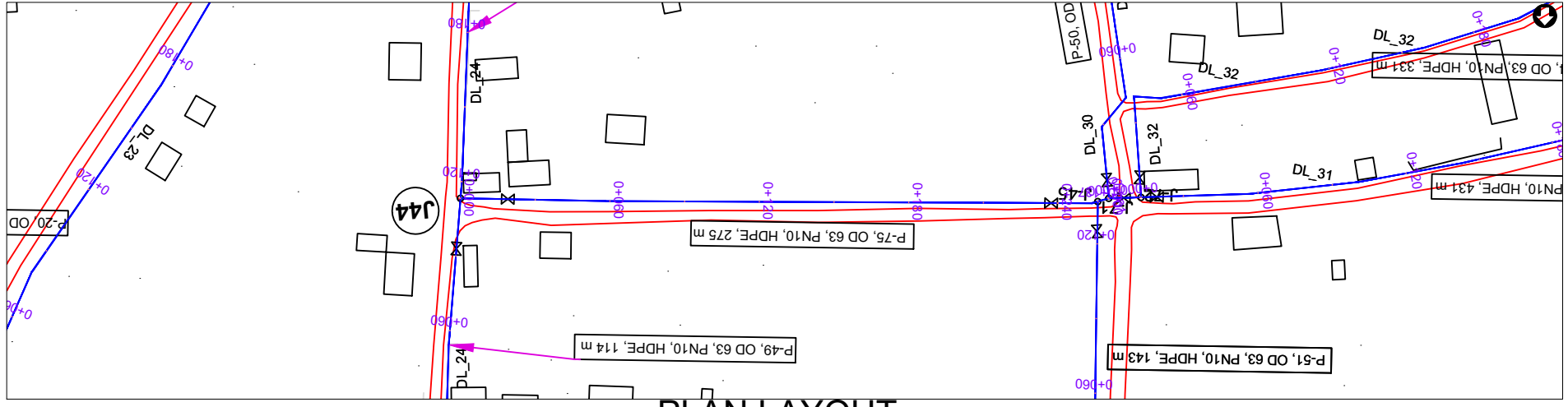
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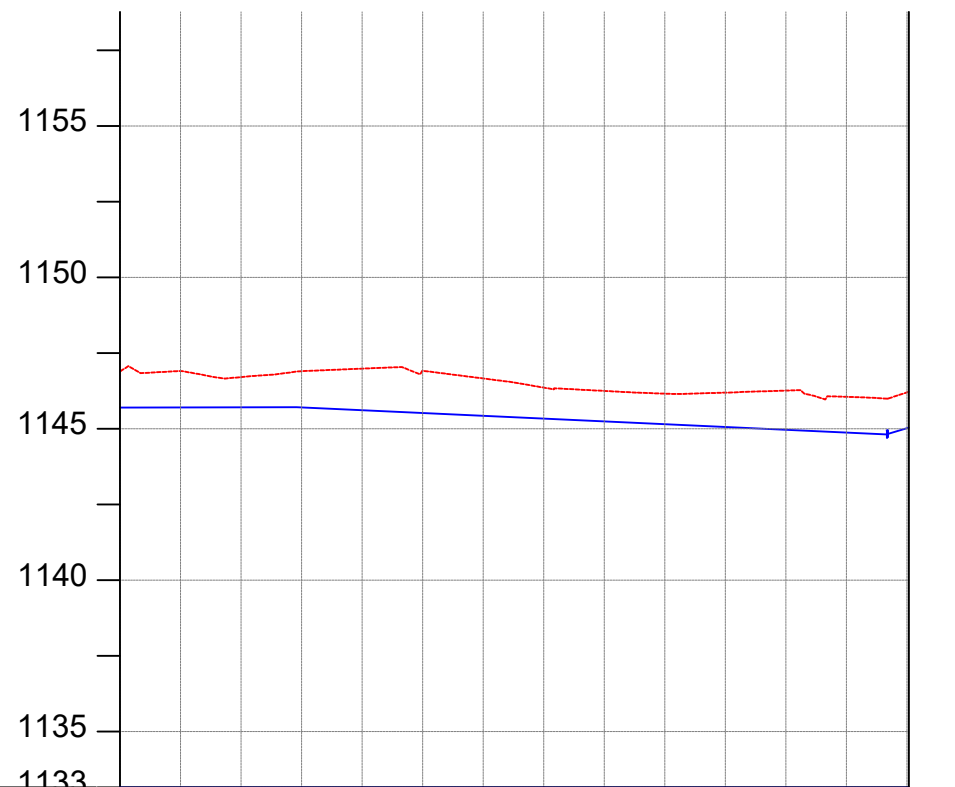
Drawing Title:

DL_27 (CH 0+000.00 - 0+421.33)

Drawn by : Andrew Turyakira	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+421.33)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+160		0+200		0+240	0+261
GROUND LEVEL(m)	1146.887	1146.906	1146.707	1146.902	1146.986	1146.916	1146.661	1146.358	1146.249	1146.159	1146.193	1146.260	1146.054	1146.202
PIPE DETAILS	OD 63, PN10, HDPE													
PIPE INVERT(m)	1145.787	1145.806	1145.607	1145.802	1145.886	1145.816	1145.561	1145.258	1145.149	1145.059	1145.093	1145.160	1144.954	1145.102

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

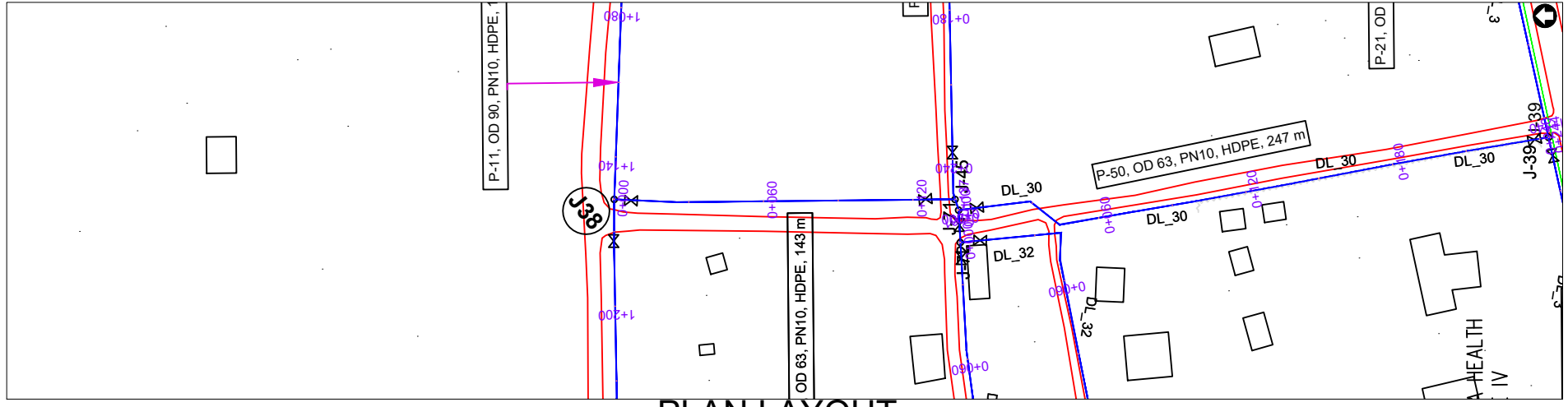
MINISTRY OF WATER AND ENVIRONMENT

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

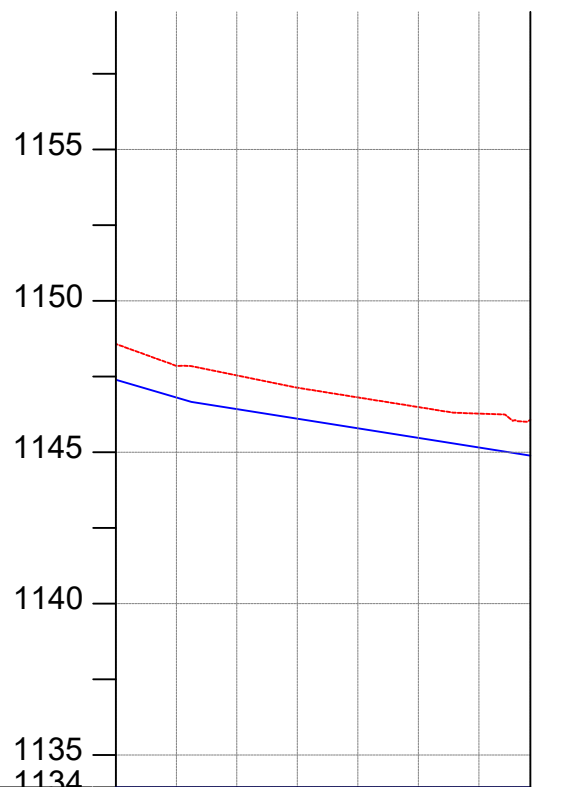
CONSULTANT:

Drawing Title:
DL_28 (CH 0+000.00 - 0+260.65)

Drawn by : Andrew Turyakira	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+000.00 - 0+260.65)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120	0+137
GROUND LEVEL(m)	1148.580	1147.855	1147.540	1147.134	1146.813	1146.493	1146.278	1146.072
PIPE DETAILS	OD 63, PN10, HDPE							
PIPE INVERT(m)	1147.480	1146.755	1146.440	1146.034	1145.713	1145.393	1145.178	1144.972

AMENDMENTS

No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

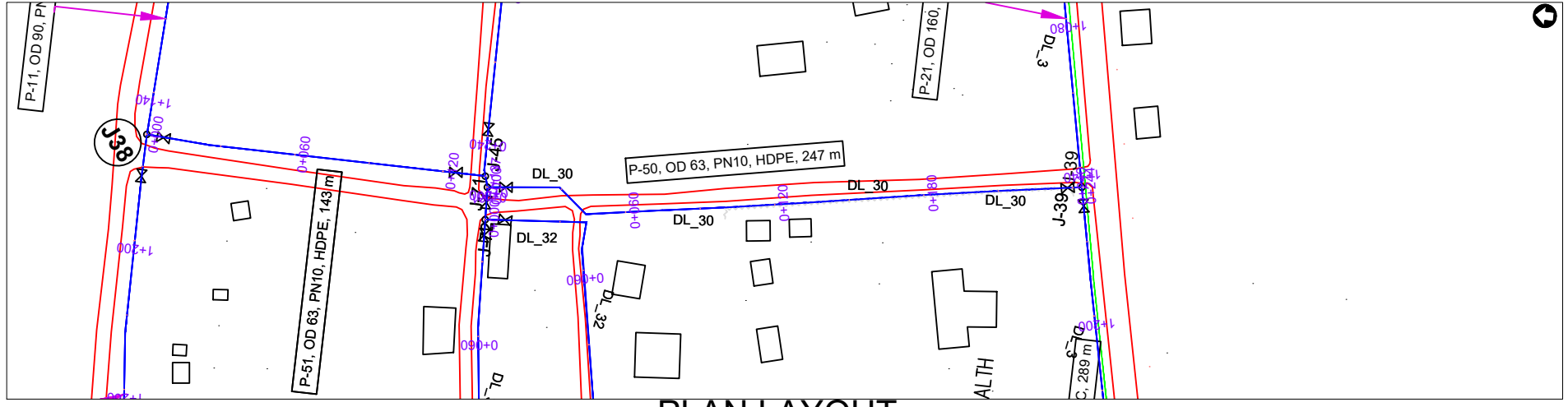
MINISTRY OF WATER AND ENVIRONMENT

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

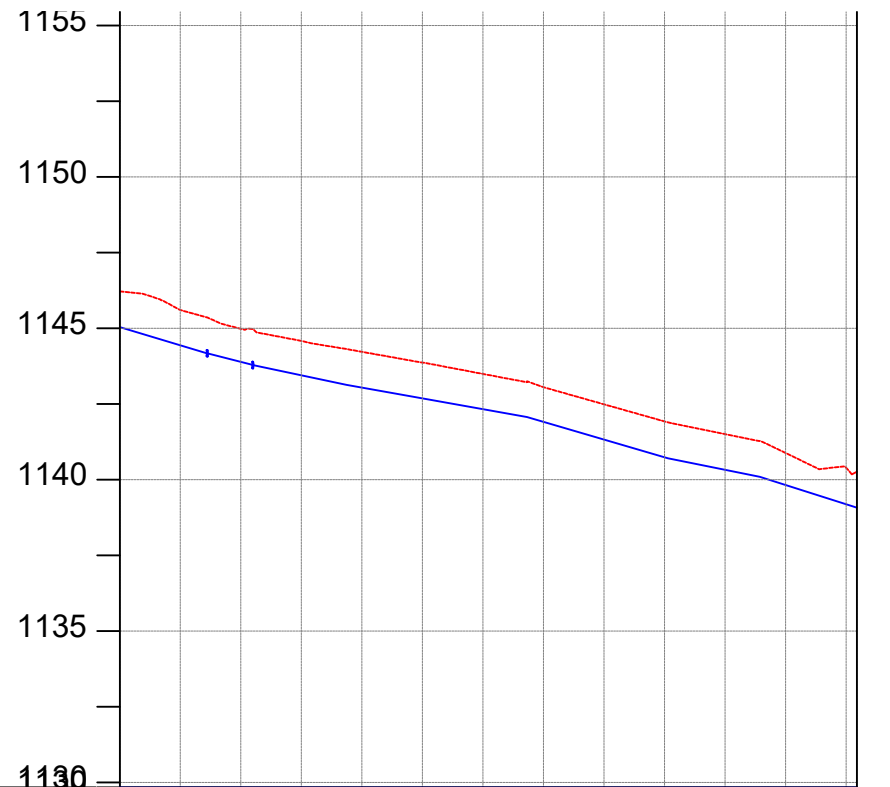
CONSULTANT:

Drawing Title:
DL_29 (CH 0+000.00 - 0+136.98)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_29 (CH 0+000.00 - 0+136.98)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+160		0+200		0+244
GROUND LEVEL(m)	1146.222	1145.606	1144.984	1144.586	1144.225	1143.868	1143.494	1143.055	1142.490	1141.925	1141.507	1140.882	1140.287
PIPE DETAILS	OD 63, PN10, HDPE												
PIPE INVERT(m)	1145.122	1144.506	1143.884	1143.486	1143.125	1142.768	1142.394	1141.955	1141.390	1140.825	1140.407	1139.782	1139.487

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

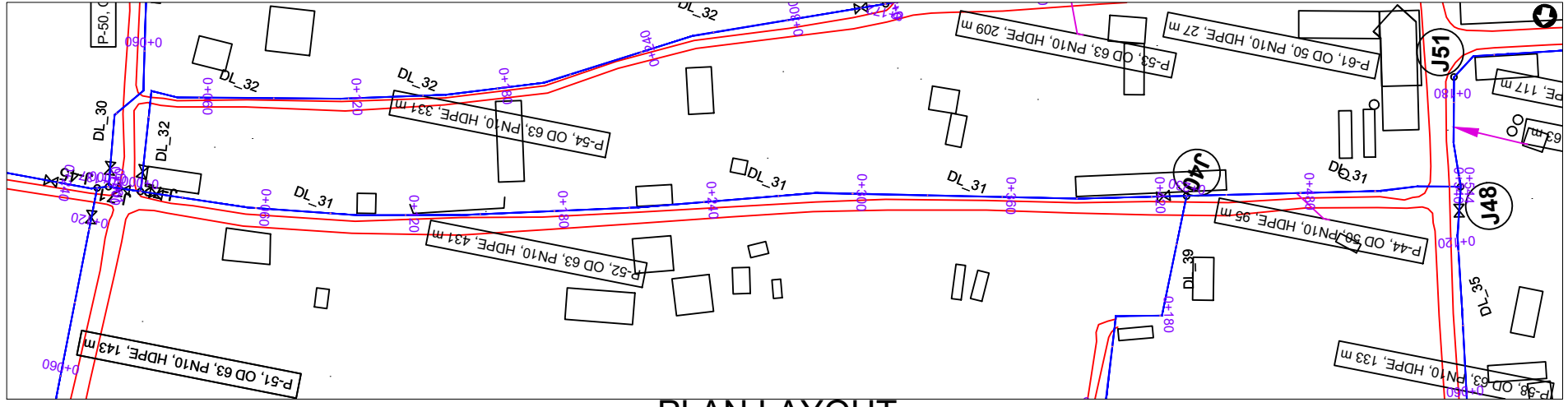
MINISTRY OF WATER AND ENVIRONMENT

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

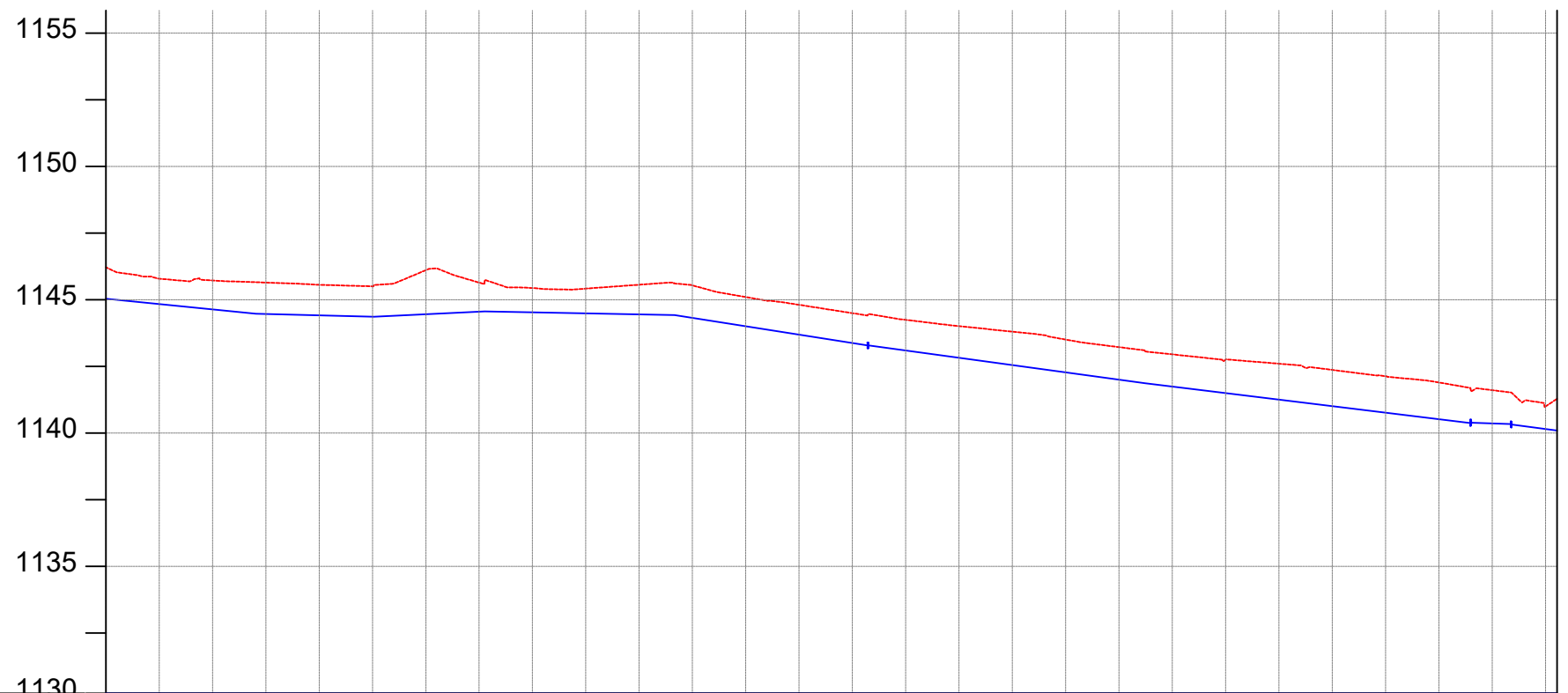
CONSULTANT:

Drawing Title:
DL_30 (CH 0+000.00 - 0+243.54)

Drawn by : Andrew Turyakira	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+000.00 - 0+243.54)	
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+520	0+544		
GROUND LEVEL(m)	1146.222	1145.792	1145.724	1145.646	1145.561	1145.505	1146.110	1145.643	1145.440	1145.419	1145.564	1145.540	1145.103	1144.811	1144.498	1144.247	1144.012	1143.804	1143.507	1143.223	1142.953	1142.754	1142.603	1142.370	1142.134	1141.899	1141.609	1140.988		
PIPE DETAILS	OD 50, PN10, HDPE																													
PIPE INVERT(m)	1145.122	1144.692	1144.624	1144.546	1144.461	1144.405	1145.010	1144.543	1144.340	1144.319	1144.464	1144.440	1144.003	1143.711	1143.398	1143.147	1142.912	1142.704	1142.407	1142.123	1141.853	1141.654	1141.503	1141.270	1141.034	1140.799	1140.509	1140.988		

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

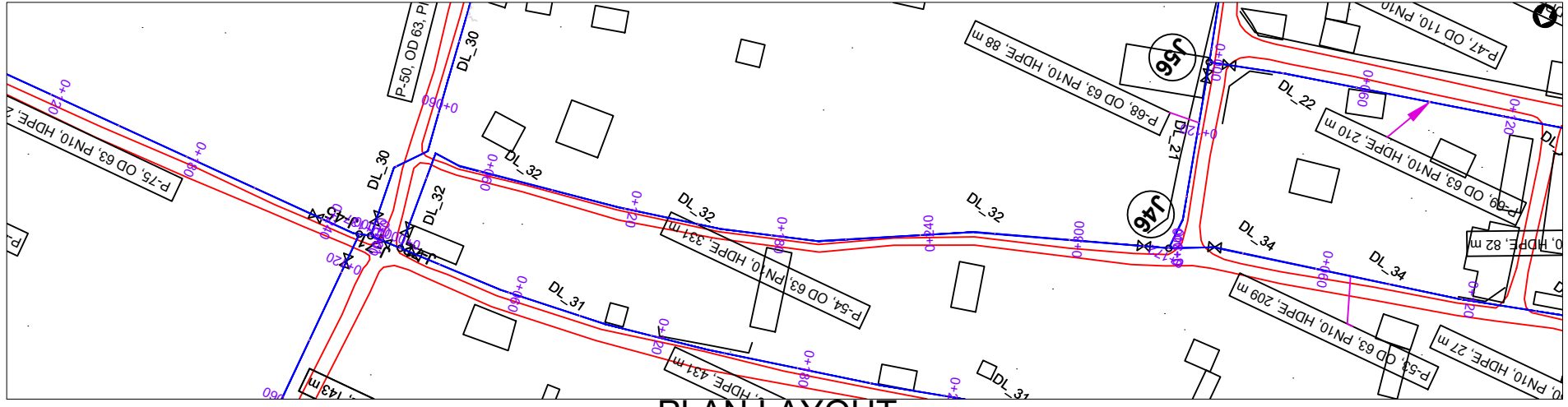
MINISTRY OF WATER AND ENVIRONMENT

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

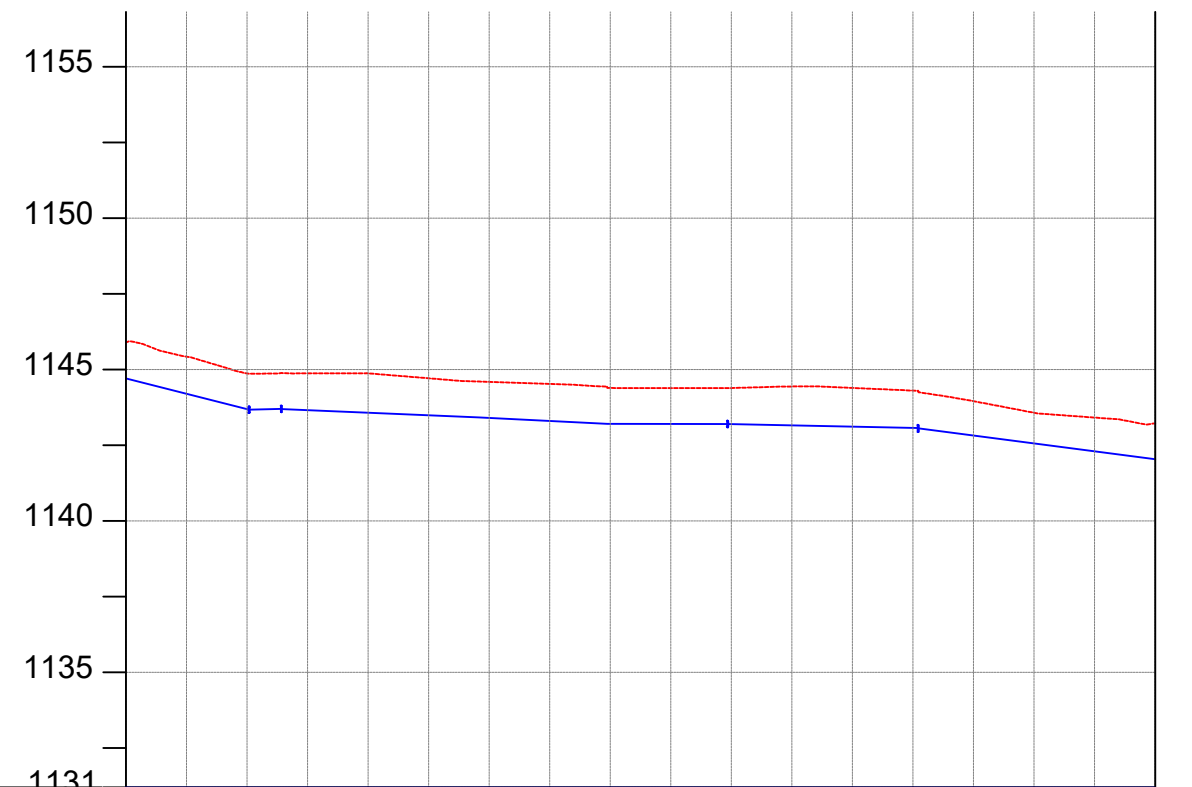
CONSULTANT:

Drawing Title:
DL_31 (CH 0+000.00 - 0+544.32)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_31 (CH 0+000.00 - 0+544.32)	
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+340								
GROUND LEVEL(m)	1145.893	1145.426	1144.873	1144.874	1144.876	1144.712	1144.594	1144.528	1144.392	1144.389	1144.390	1144.442	1144.393	1144.306	1143.957	1143.574	1143.414	1143.221
PIPE DETAILS	OD 63, PN10, HDPE																	
PIPE INVERT(m)	1144.793	1144.326	1143.773	1143.774	1143.776	1143.612	1143.494	1143.428	1143.292	1143.289	1143.290	1143.342	1143.293	1143.206	1142.857	1142.474	1142.314	1142.121

AMENDMENTS

No	Date	Revision

NOTES

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

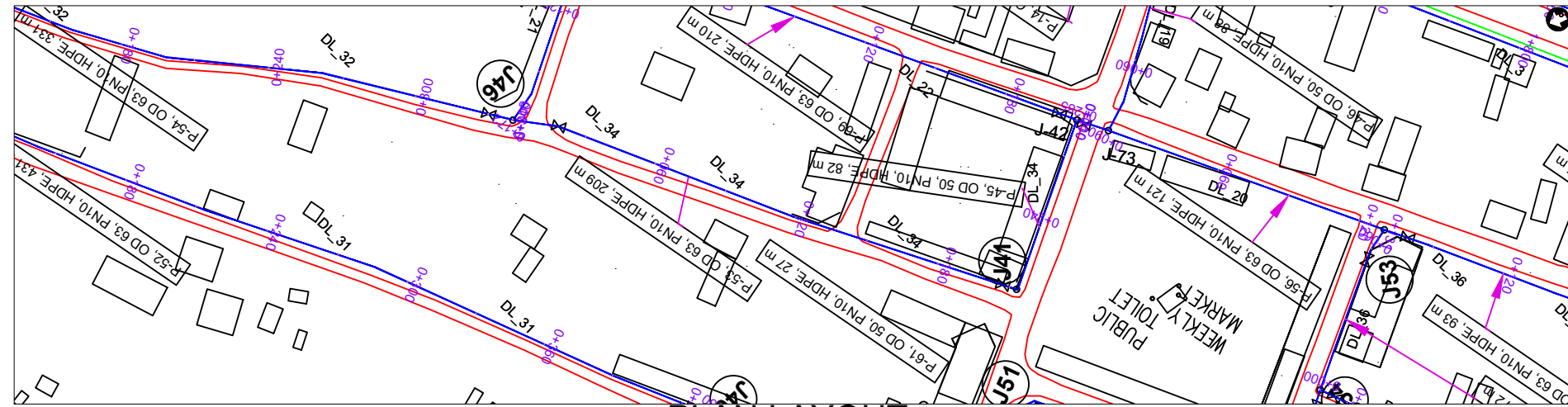
CONSULTANT:



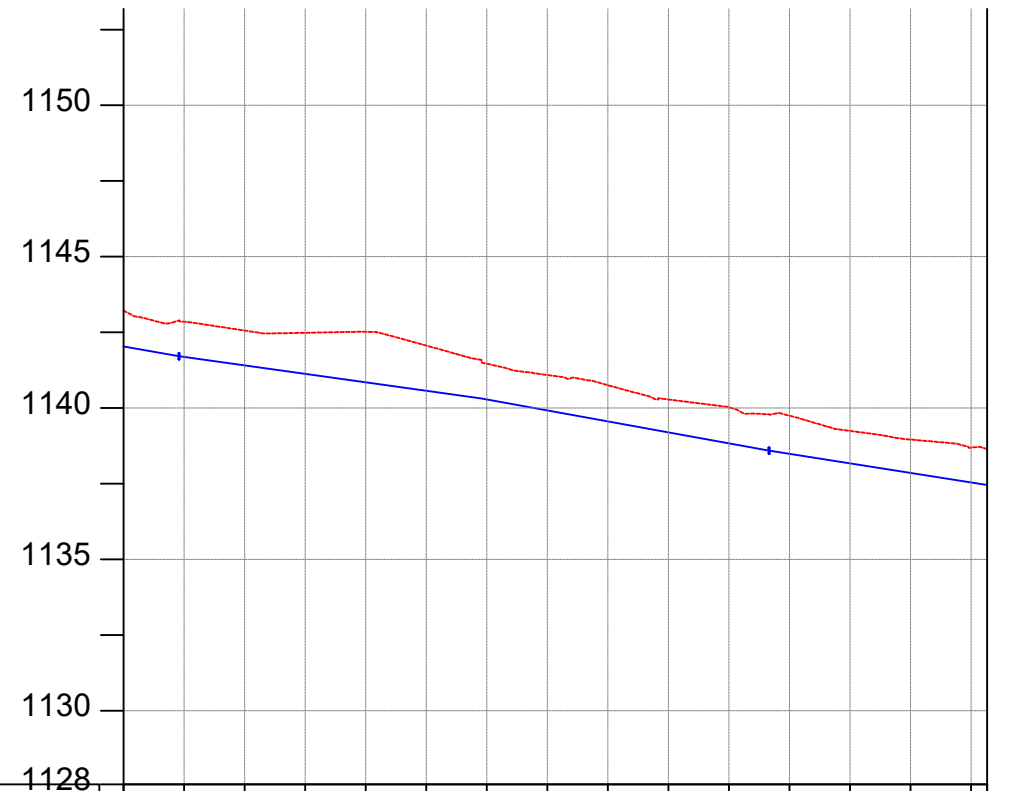
Drawing Title:

DL_32 (CH 0+000.00 - 0+340.08)

Drawn by : Andrew Turyakira	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+340.08)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000	0+040	0+080	0+120	0+160	0+200	0+240	0+288
GROUND LEVEL(m)	1143.221	1142.851	1142.518	1142.064	1141.464	1141.090	1140.255	1138.643
PIPE DETAILS	OD 63, PN10, HDPE							
PIPE INVERT(m)	1142.121	1141.751	1141.418	1140.964	1140.364	1139.990	1139.655	1137.543

OD 50, PN10, HDPE

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

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

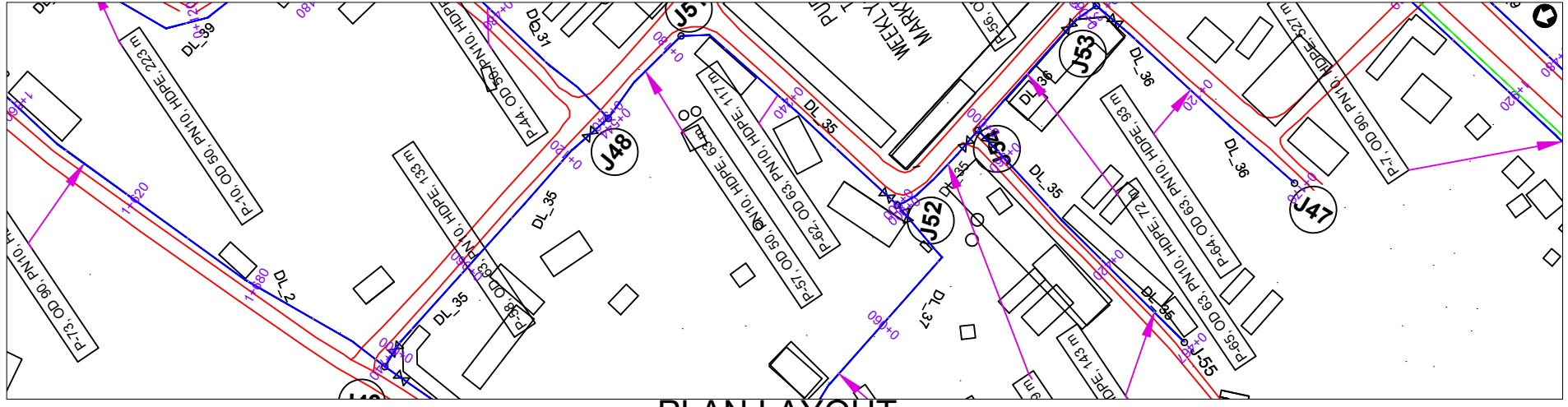
CONSULTANT:



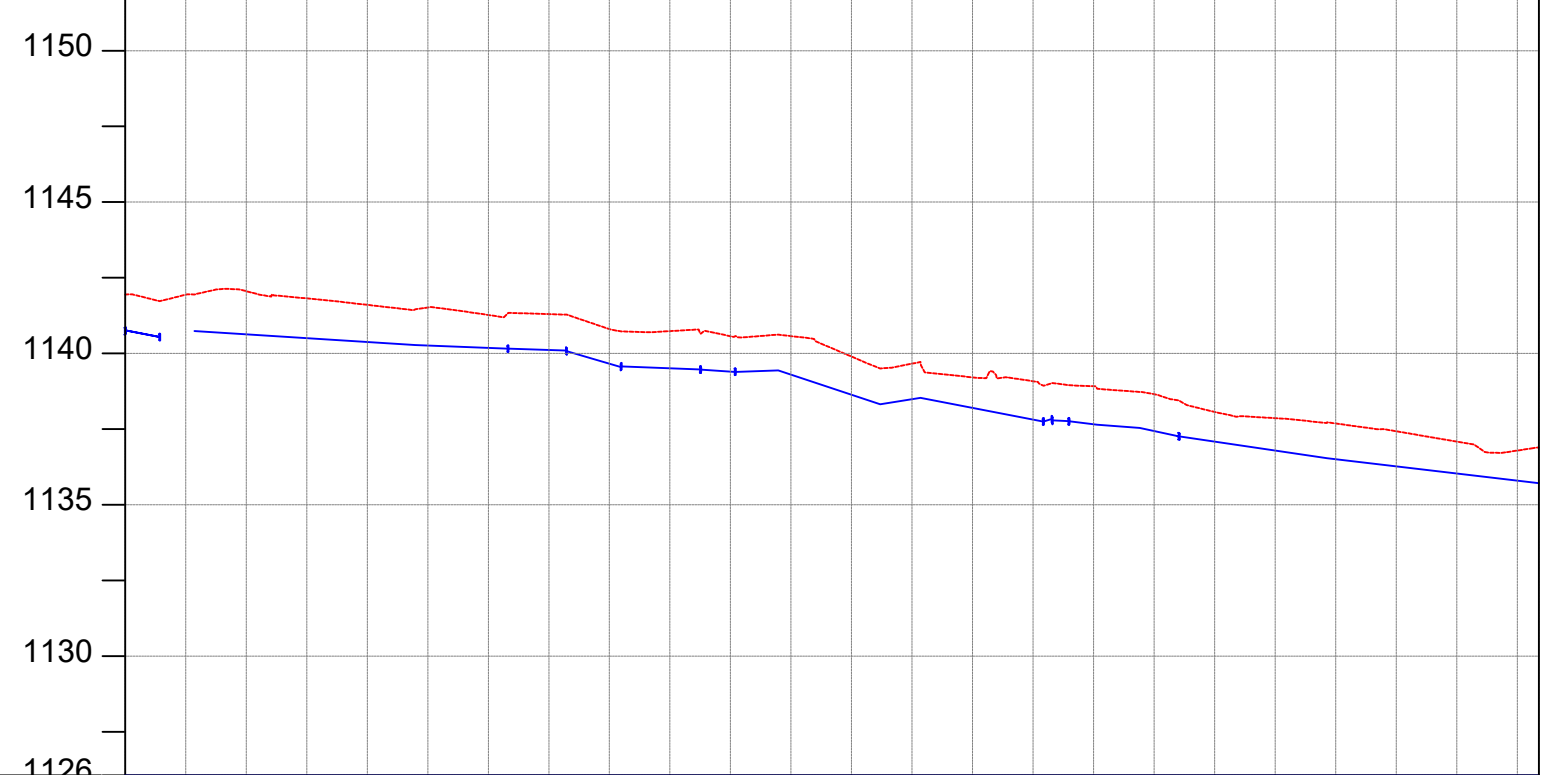


Drawing Title:
DL_34 (CH 0+000.00 - 0+285.34)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_34 (CH 0+000.00 - 0+285.34)	
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+400		0+440		0+467	
GROUND LEVEL(m)	1141.949	1141.939	1142.056	1141.819	1141.605	1141.517	1141.271	1141.300	1140.803	1140.737	1140.570	1140.573	1139.897	1139.663	1139.210	1139.080	1138.915	1138.654	1138.067	1137.862	1137.686	1137.429	1137.088	1136.793	1136.898	
PIPE DETAILS	OD 63, PN10, HDPE																									
PIPE INVERT(m)	1140.849	1140.839	1140.956	1140.719	1140.505	1140.417	1140.171	1140.200	1139.703	1139.637	1139.470	1139.473	1138.797	1138.563	1138.110	1137.980	1137.815	1137.554	1136.967	1136.762	1136.586	1136.329	1135.988	1135.693	1135.798	

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

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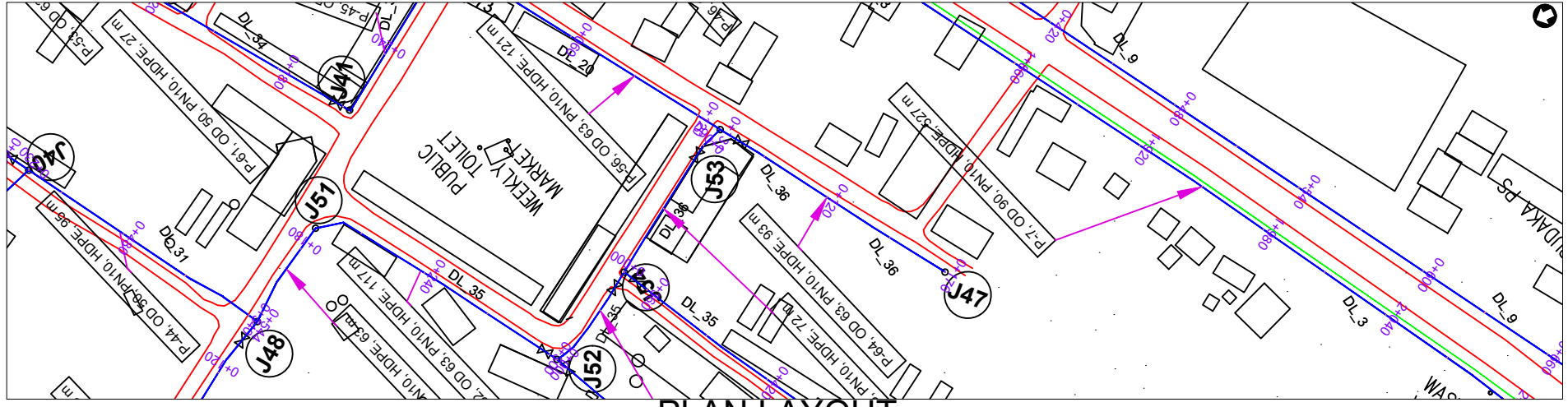
MINISTRY OF WATER AND ENVIRONMENT

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

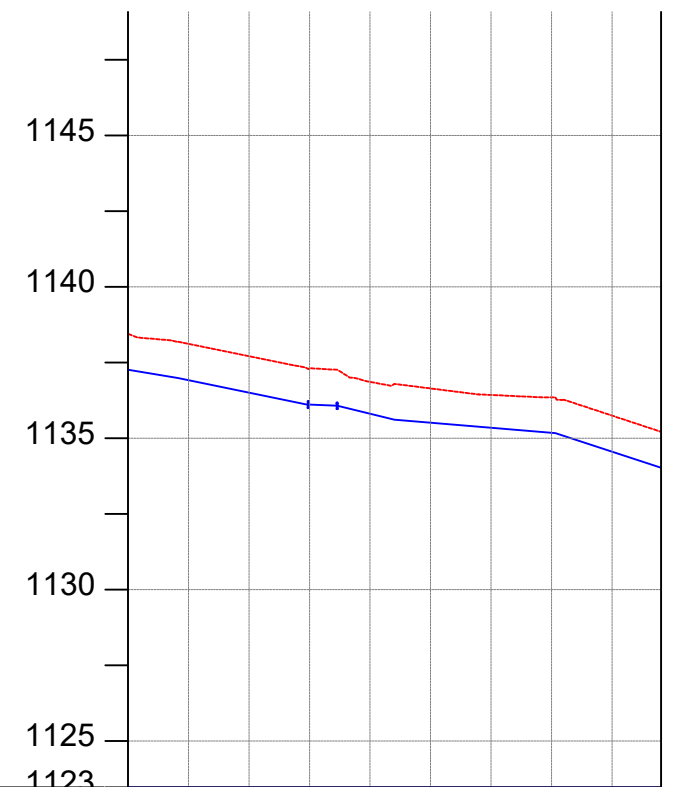
CONSULTANT:

Drawing Title:
DL_35 (CH 0+000.00 - 0+467.12)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_35 (CH 0+000.00 - 0+467.12)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+160	0+176
GROUND LEVEL(m)	1138.446	1138.113	1137.706	1137.302	1136.860	1136.644	1136.427	1136.348	1135.745	1135.211
PIPE DETAILS	OD 63, PN10, HDPE									
PIPE INVERT(m)	1137.346	1137.013	1136.606	1136.202	1135.760	1135.544	1135.327	1135.248	1134.645	1134.111

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

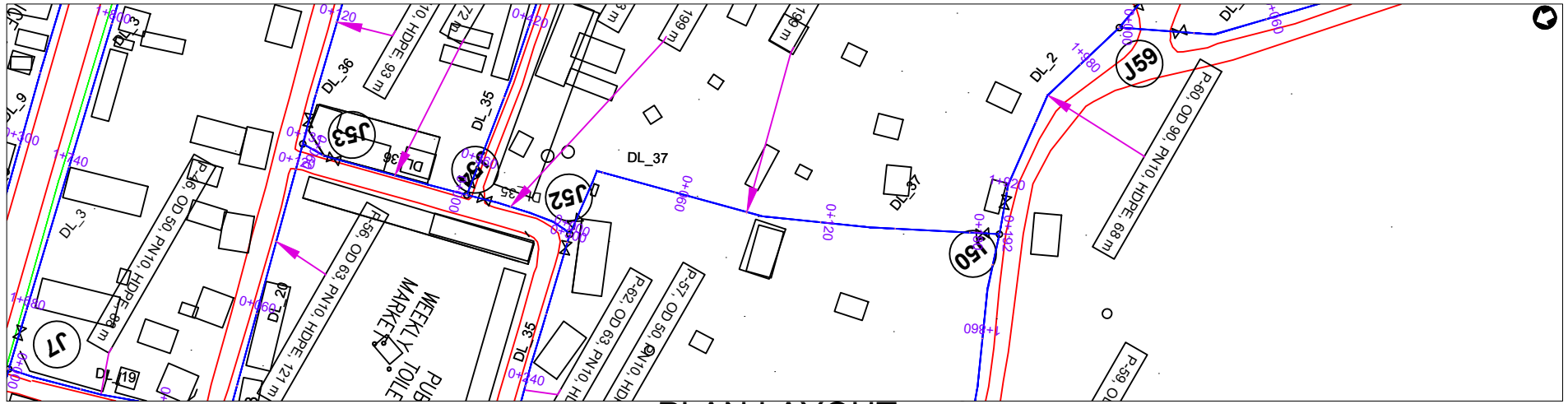
MINISTRY OF WATER AND ENVIRONMENT

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

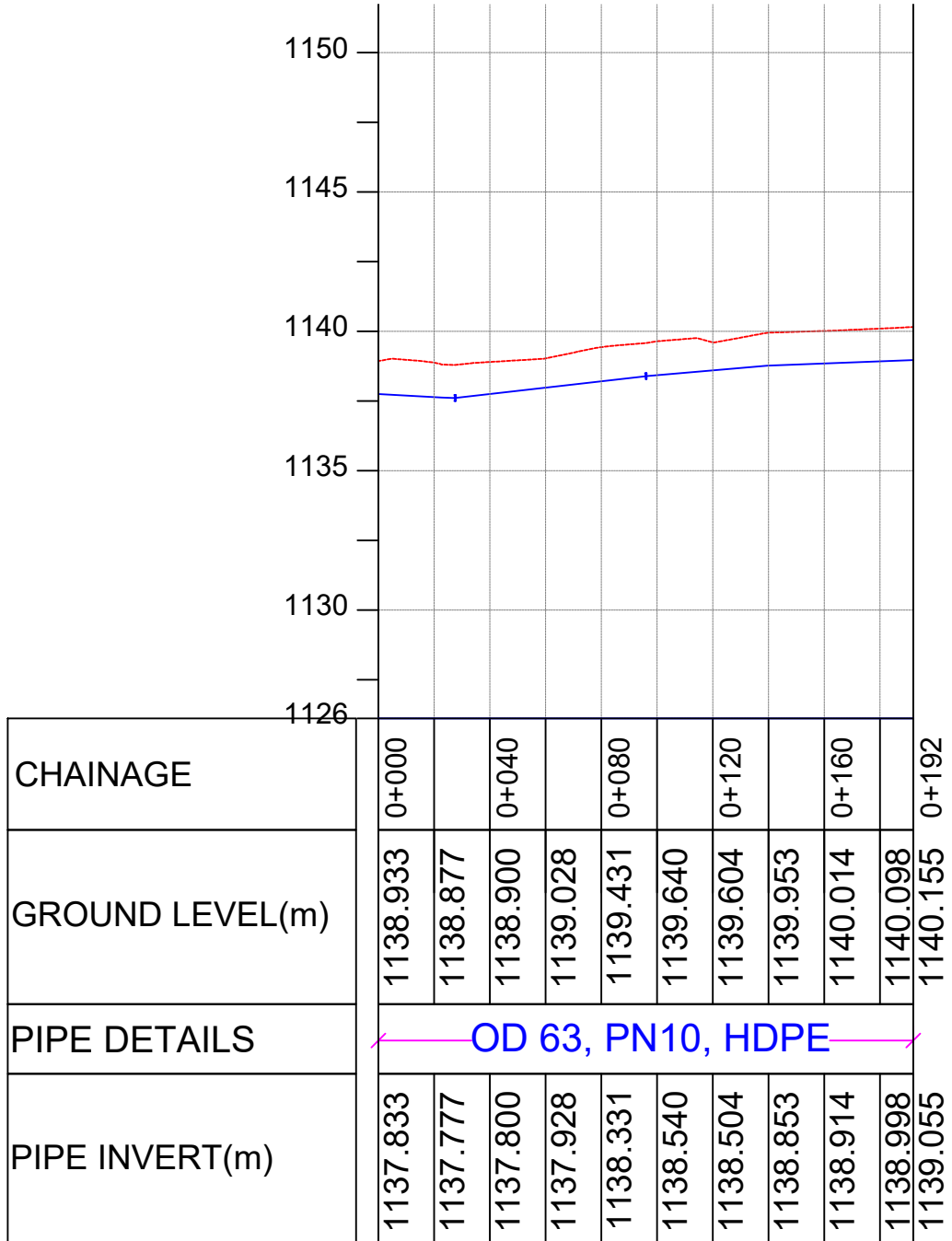
CONSULTANT:

Drawing Title:
DL_36 (CH 0+000.00 - 0+176.18)

Drawn by : Andrew Turyakira	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+176.18)	
Sheet No.: 1	Format: A3



PLAN LAYOUT



AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA

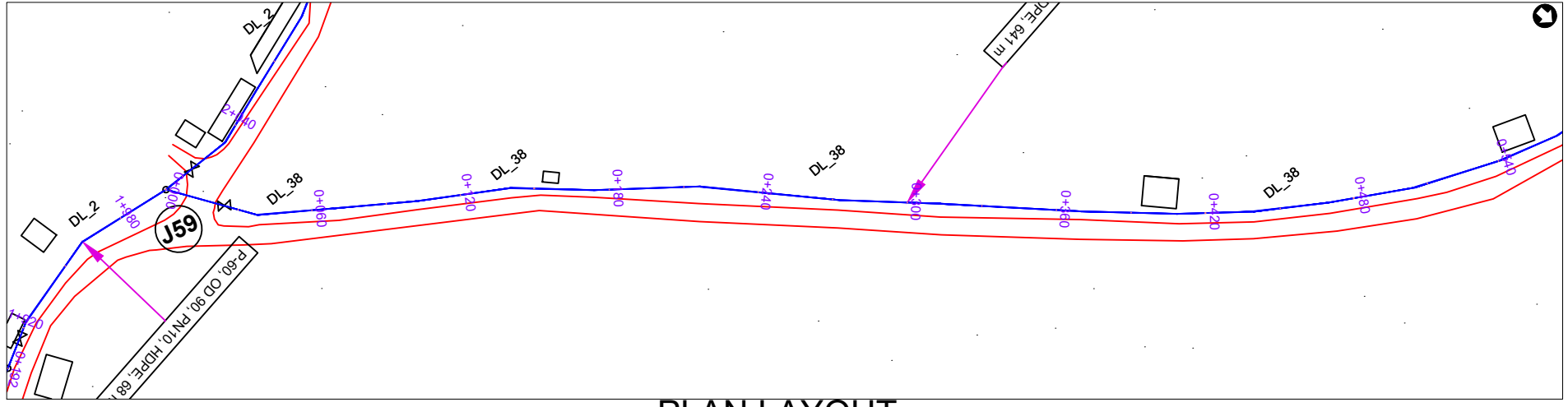
MINISTRY OF WATER AND ENVIRONMENT

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

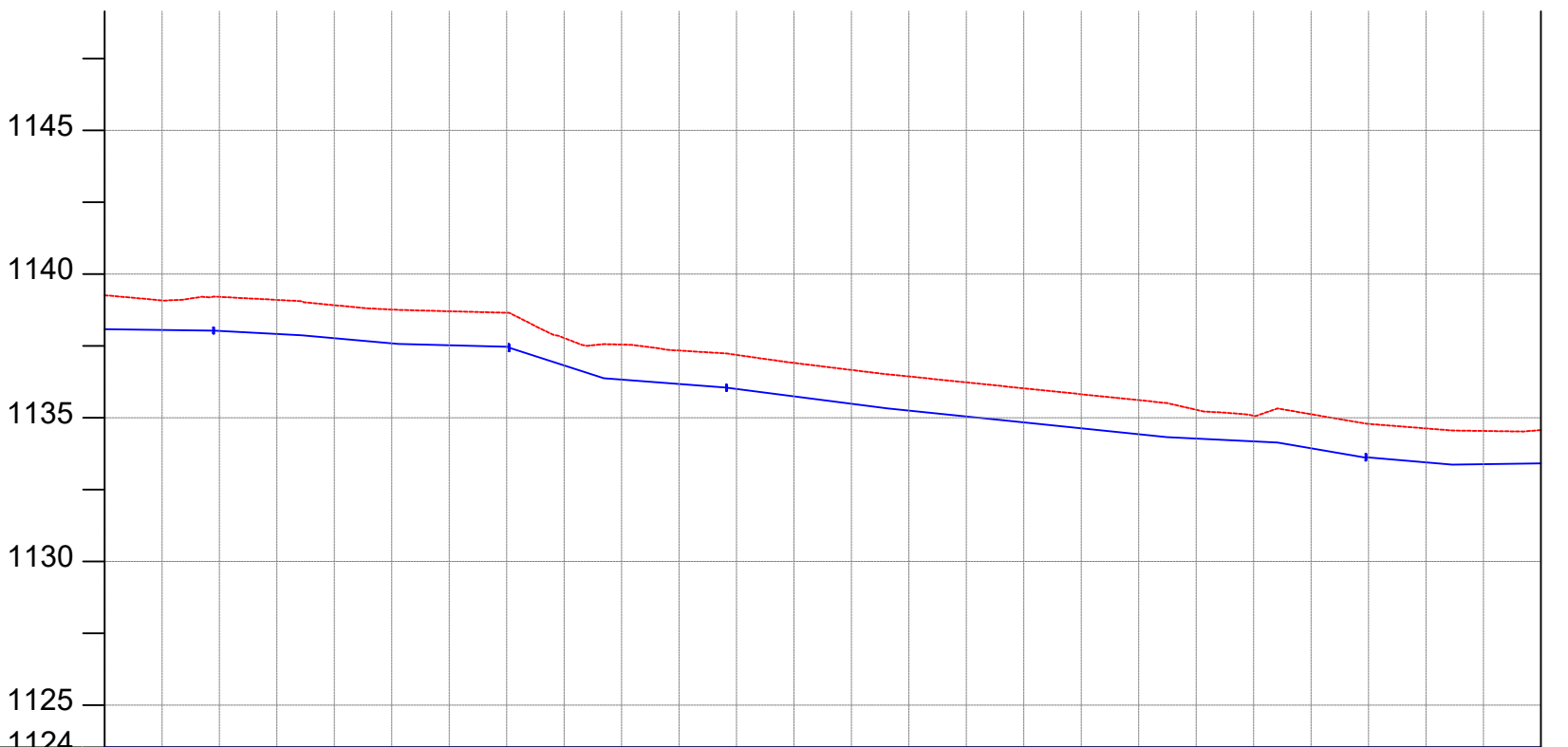
CONSULTANT:

Drawing Title:
DL_37 (CH 0+000.00 - 0+191.97)

Drawn by : Andrew Turyakira	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+191.97)	
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)	1139.266	1139.083	1139.209	1139.103	1138.919	1138.766	1138.708	1138.655	1137.778	1137.548	1137.341	1137.189	1136.909	1136.665	1136.438	1136.232	1136.026	1135.821	1135.615	1135.280	1135.073	1135.125	1134.789	1134.631	1134.542	1134.572
PIPE DETAILS	OD 63, PN10, HDPE																									
PIPE INVERT(m)	1138.166	1137.983	1138.109	1138.003	1137.819	1137.666	1137.608	1137.555	1136.678	1136.448	1136.241	1136.089	1135.809	1135.565	1135.338	1135.132	1134.926	1134.721	1134.515	1134.180	1133.973	1134.025	1133.689	1133.531	1133.442	1133.472

AMENDMENTS

No	Date	Revision

NOTES

1. All dimensions are in metres unless stated otherwise.
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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

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

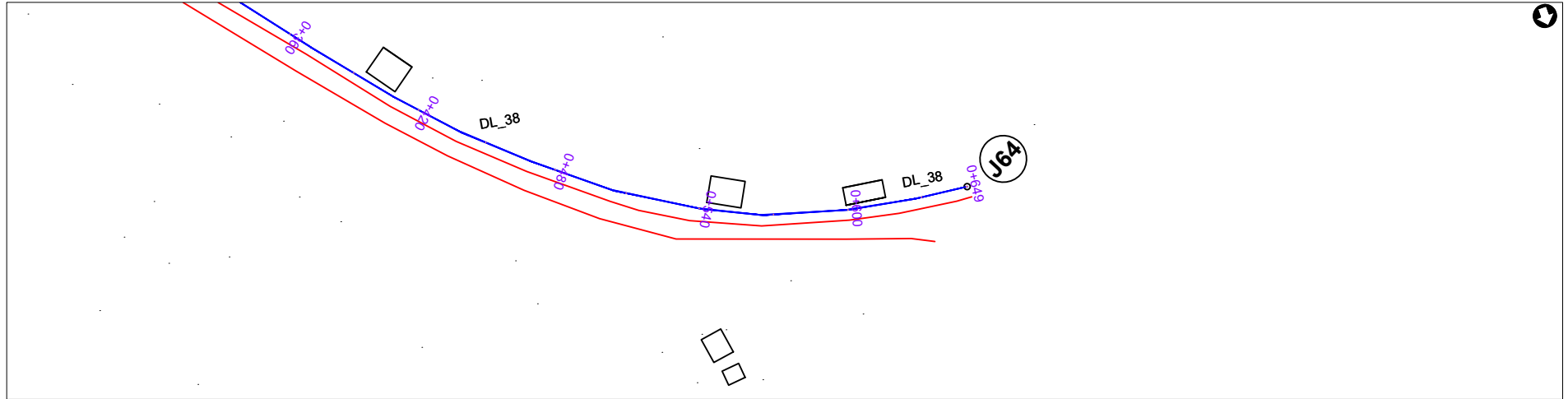
CONSULTANT:



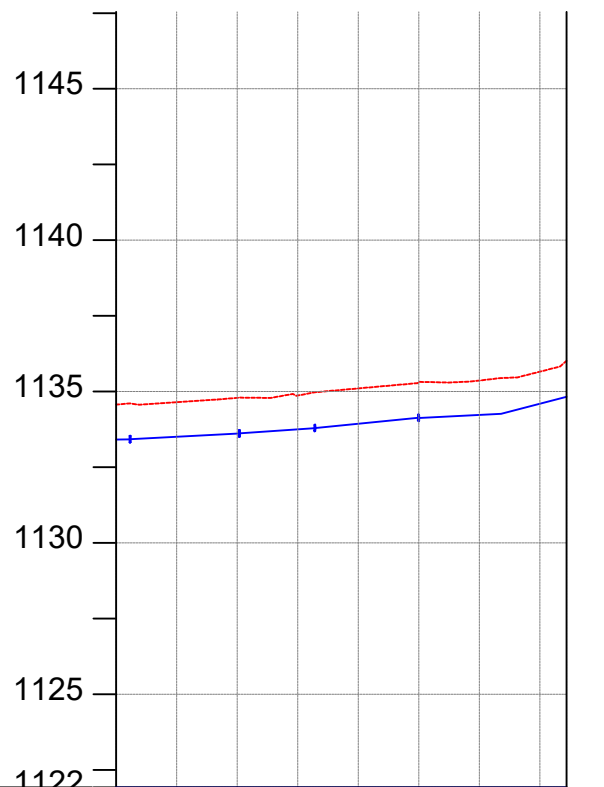
Drawing Title:

DL_38 (CH 0+000.00 - 0+500.00)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_38 (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)	1134.572	1134.647	1134.792	1134.869	1135.104	1135.316	1135.364	1135.657
PIPE DETAILS	OD 63, PN10, HDPE							
PIPE INVERT(m)	1133.472	1133.547	1133.692	1133.769	1134.004	1134.216	1134.264	1134.557

AMENDMENTS

No	Date	Revision

NOTES

1. All dimensions are in metres unless stated otherwise.
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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
- Node detail No. 01

REPUBLIC OF UGANDA



MINISTRY OF WATER AND ENVIRONMENT

PROJECT:

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

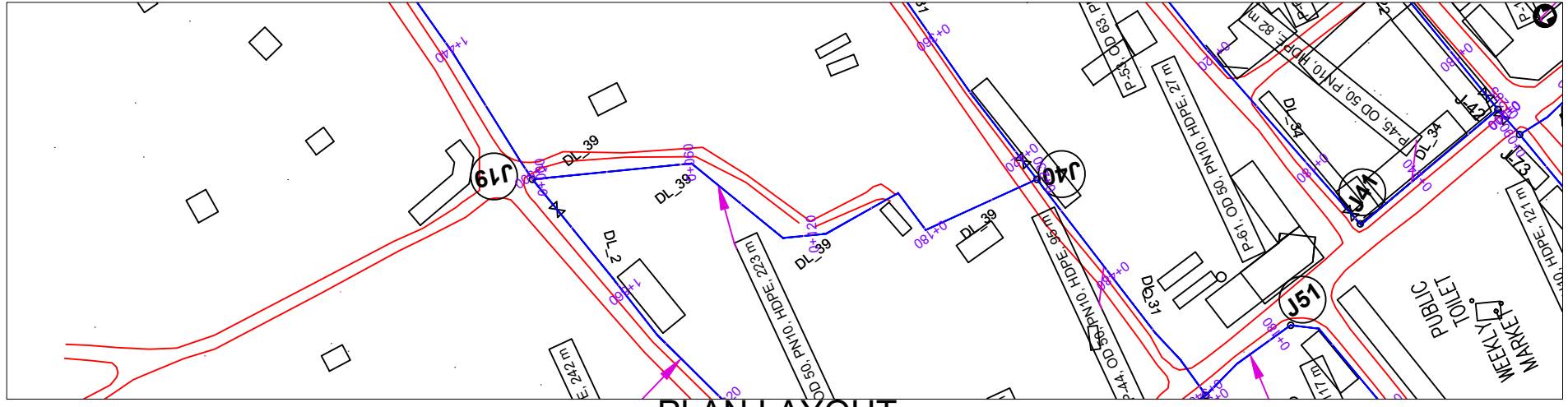
CONSULTANT:



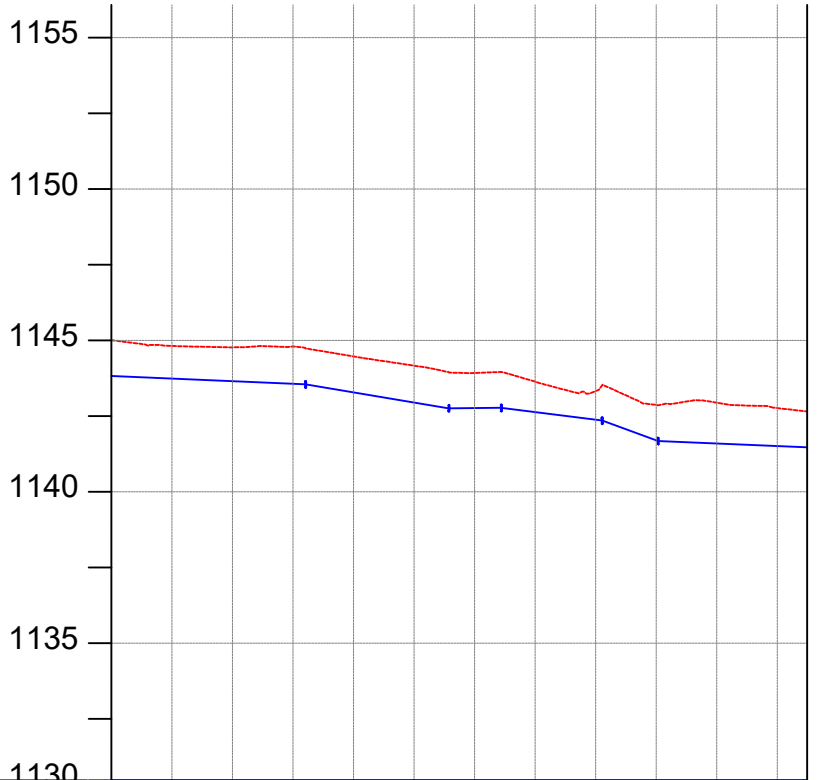
Drawing Title:

DL_38 (CH 0+500.00 - 0+648.81)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/DL_38 (CH 0+500.00 - 0+648.81)	
Sheet No.: 2	Format: A3



PLAN LAYOUT



CHAINAGE	0+000		0+040		0+080		0+120		0+160		0+200		0+230
GROUND LEVEL(m)	1145.006	1144.816	1144.770	1144.797	1144.469	1144.165	1143.922	1143.636	1143.324	1142.866	1142.941	1142.763	1142.651
PIPE DETAILS	OD 50, PN10, HDPE												
PIPE INVERT(m)	1143.906	1143.716	1143.670	1143.697	1143.369	1143.065	1142.822	1142.536	1142.224	1141.766	1141.841	1141.663	1141.551

AMENDMENTS		
No	Date	Revision

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

LEGEND

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

REPUBLIC OF UGANDA



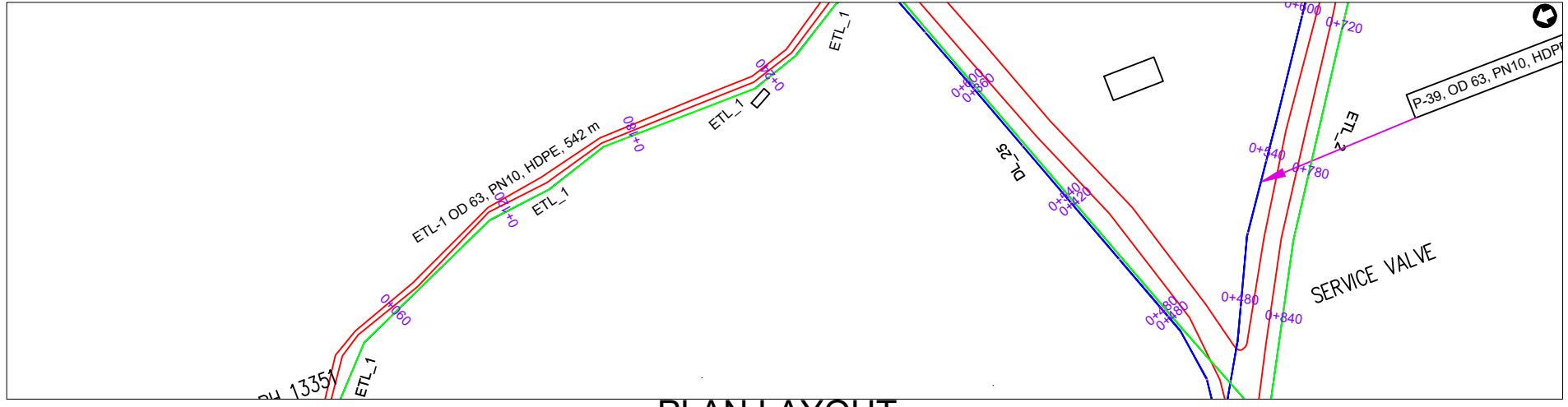
MINISTRY OF WATER AND ENVIRONMENT

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

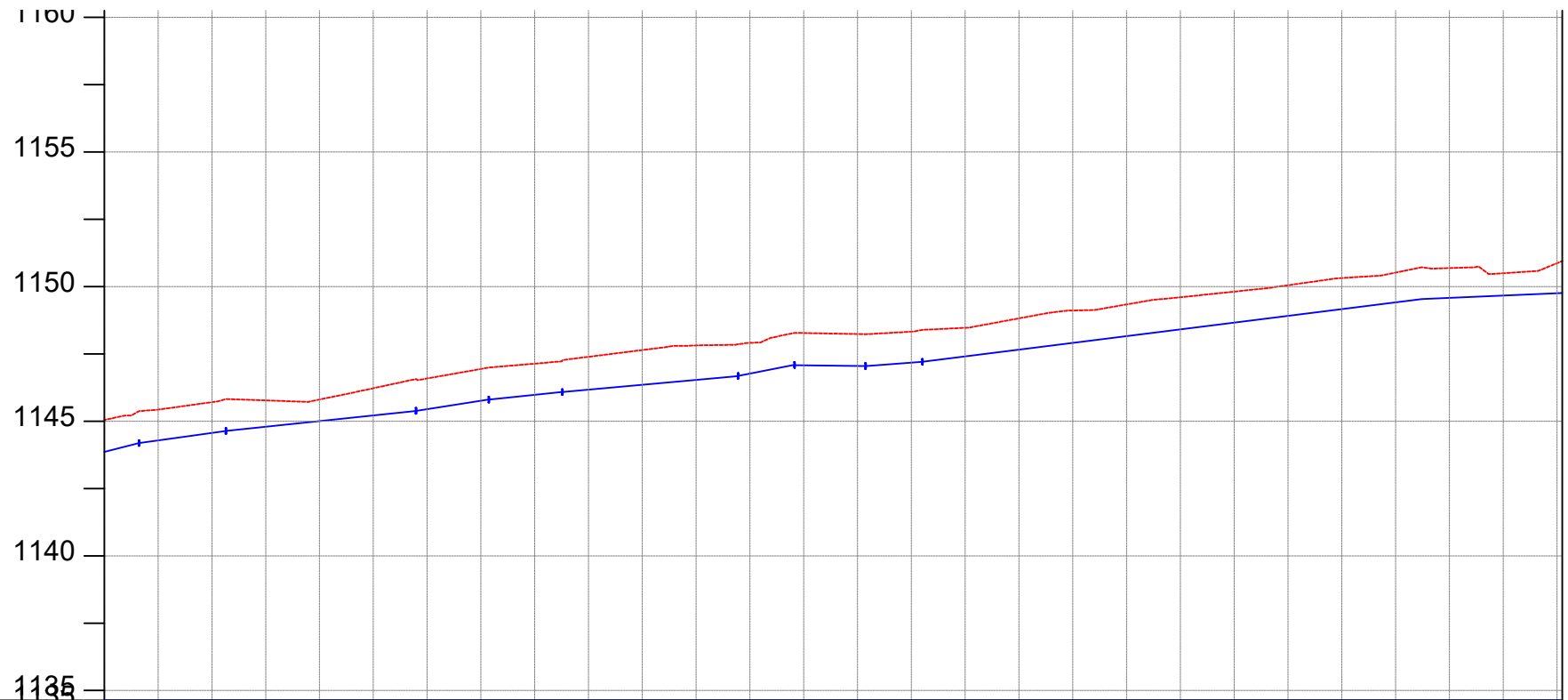
CONSULTANT:

Drawing Title:
DL_39 (CH 0+000.00 - 0+229.89)

Drawn by : Andrew Turyakira	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+229.89)	
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+520	0+542													
GROUND LEVEL(m)	1145.046	1145.431	1145.706	1145.772	1145.803	1146.225	1146.588	1146.940	1147.137	1147.392	1147.642	1147.815	1147.908	1148.276	1148.324	1148.470	1148.819	1149.112	1149.336	1149.602	1149.812	1150.049	1150.317	1150.518	1150.687	1150.946	1150.948	
PIPE DETAILS	OD 63, PN10, HDPE																											
PIPE INVERT(m)	1143.946	1144.331	1144.606	1144.672	1144.703	1145.125	1145.488	1145.840	1146.037	1146.292	1146.542	1146.715	1146.808	1147.176	1147.137	1147.224	1147.370	1147.719	1148.012	1148.236	1148.502	1148.712	1148.949	1149.217	1149.418	1149.587	1149.396	1149.398

AMENDMENTS		
No	Date	Revision

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

REPUBLIC OF UGANDA

MINISTRY OF WATER AND ENVIRONMENT

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

CONSULTANT:

Drawing Title:
ETL_1 (CH 0+000.00 - 0+541.98)

Drawn by : Andrew Turyakira	Approved by: Dongwoon OH
Checked by: Dr. Ronald Musenze	Date: December 2021
Scale: As Indicated	Date: December 2021
Drawing No.: IWMDP/MBA/ETL_1 (CH 0+000.00 - 0+541.98)	
Sheet No.: 1	Format: A3