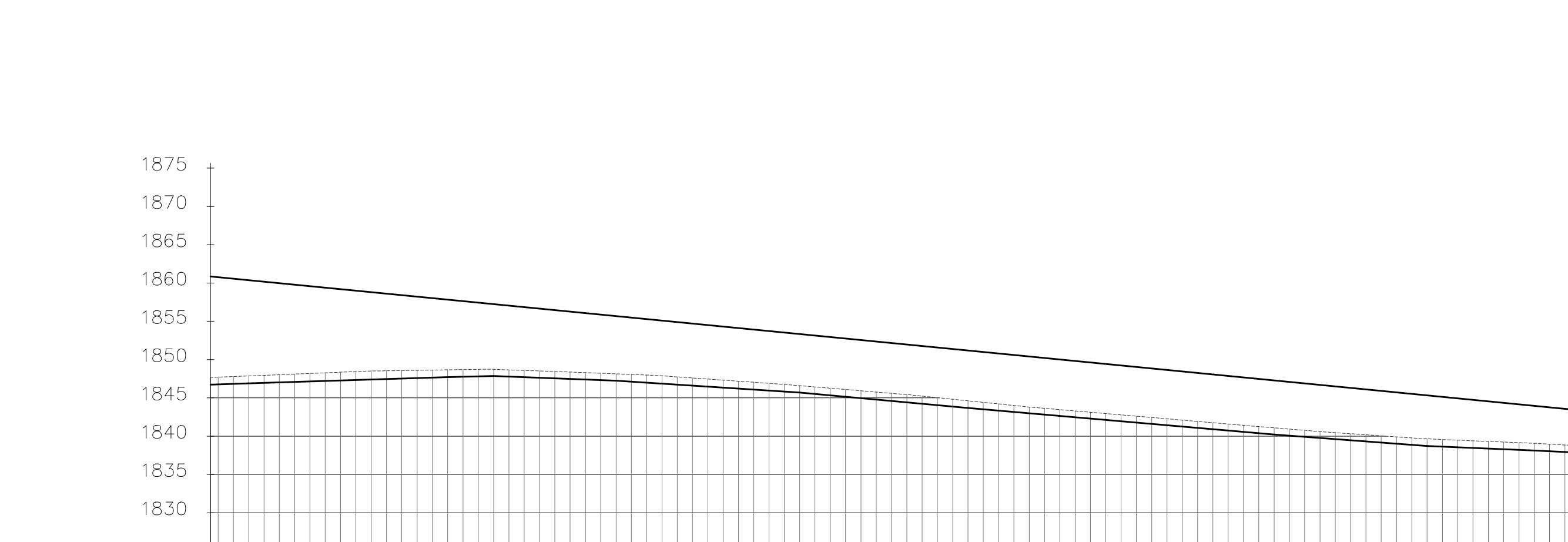


- NOTES**
- ALL LEVELS ARE IN METERS ABOVE SEA LEVEL.
 - COORDINATES ARE BASED ON UTM.
 - LOCATION OF AIR VALVES, WASHOUTS, BENDS AND OTHER FITTINGS AS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER ON SITE.
 - GROUND AND INVERT LEVEL SHOWN ARE AS SHOWN ON DRAWING UNLESS OTHERWISE INDICATED ON SITE BY THE ENGINEER.
 - PIPES ARE TO BE LAID TO EVEN GRADIENTS WITH A MINIMUM COVER OF 1.0M. WHERE COVER IS LESS THAN THIS, PIPE TO BE SURROUNDED WITH CONCRETE.
 - ALL BENDS ARE HORIZONTAL UNLESS OTHERWISE STATED.
 - IN WATER LOGGED AREAS, PIPES TO BE BEDDED WITH SINGLE SIZED OR GRADED AGGREGATES AS PER CLAUSE 430.1 AND 216 OF TECHNICAL SPECIFICATIONS AND/OR ANCHOR BLOCKS AS MAY BE DIRECTED ON SITE BY THE ENGINEER.
- LEGEND:**
- PROPOSED PIPELINE
 - EXISTING GROUND PROFILE
 - PIPE INVERT PROFILE
 - EXISTING ROAD
 - ◇ AIR VALVE
 - DAV DOUBLE AIR VALVE
 - ▽ WASHOUT
 - W01 WASHOUT TYPE 1
 - W02 WASHOUT TYPE 2
 - DN NOMINAL DIAMETER
 - PN NOMINAL PRESSURE
 - VB VERTICAL BEND
 - HB HORIZONTAL BEND
 - ▨ EXISTING STRUCTURE
 - ER EARTH ROAD
 - GR GRAVEL ROAD
 - ▭ CUT



- FOR CONSTRUCTION**
- signed CMTS
- | REV | REVISIONS | SIGN | DATE | APPROVED |
|-----|-------------------------|---------|------|----------|
| | BY | | | |
| | CHECKED | | | |
| | BY | | | |
| | CHECKED | | | |
| | BY | | | |
| | CHECKED | | | |
| GO | ISSUED FOR CONSTRUCTION | BY | | |
| | | CHECKED | | |

DISTANCE DATUM (m)	GROUND LEVELS (m)	INVERT LEVELS(m)	DEPTH FROM GROUND LEVEL TO INVERT LEVEL (m)	HGL(m)	TYPE OF PIPE AND SIZE
1+840	1846.76	1845.72	0.94	1846.76	2+500
1+860	1846.83	1845.78	0.96	1846.83	2+500
1+880	1846.89	1845.86	0.97	1846.89	2+500
1+900	1846.96	1845.95	0.99	1846.96	2+500
1+920	1847.02	1846.03	1.01	1847.02	2+500
1+940	1847.08	1846.11	1.03	1847.08	2+500
1+960	1847.14	1846.19	1.04	1847.14	2+500
1+980	1847.21	1846.27	1.06	1847.21	2+500
2+000	1847.27	1846.35	1.08	1847.27	2+500
2+020	1847.33	1846.43	1.10	1847.33	2+500
2+040	1847.39	1846.51	1.11	1847.39	2+500
2+060	1847.46	1846.54	1.08	1847.46	2+500
2+080	1847.52	1846.57	1.05	1847.52	2+500
2+100	1847.58	1846.60	1.02	1847.58	2+500
2+120	1847.64	1846.63	0.99	1847.64	2+500
2+140	1847.70	1846.66	0.96	1847.70	2+500
2+160	1847.75	1846.69	0.94	1847.75	2+500
2+180	1847.81	1846.73	0.93	1847.81	2+500
2+200	1847.85	1846.73	0.88	1847.85	2+500
2+220	1847.89	1846.77	0.89	1847.89	2+500
2+240	1847.90	1846.79	0.89	1847.90	2+500
2+260	1847.91	1846.81	0.89	1847.91	2+500
2+280	1847.92	1846.82	0.89	1847.92	2+500
2+300	1847.93	1846.83	0.90	1847.93	2+500
2+320	1847.94	1846.84	0.90	1847.94	2+500
2+340	1847.95	1846.85	0.90	1847.95	2+500
2+360	1847.96	1846.86	0.90	1847.96	2+500
2+380	1847.97	1846.87	0.90	1847.97	2+500
2+400	1847.98	1846.88	0.90	1847.98	2+500
2+420	1847.99	1846.89	0.90	1847.99	2+500
2+440	1848.00	1846.90	0.90	1848.00	2+500
2+460	1848.01	1846.91	0.90	1848.01	2+500
2+480	1848.02	1846.92	0.90	1848.02	2+500
2+500	1848.03	1846.93	0.90	1848.03	2+500
2+520	1848.04	1846.94	0.90	1848.04	2+500
2+540	1848.05	1846.95	0.90	1848.05	2+500
2+560	1848.06	1846.96	0.90	1848.06	2+500
2+580	1848.07	1846.97	0.90	1848.07	2+500
2+600	1848.08	1846.98	0.90	1848.08	2+500
2+620	1848.09	1846.99	0.90	1848.09	2+500
2+640	1848.10	1847.00	0.90	1848.10	2+500
2+660	1848.11	1847.01	0.90	1848.11	2+500
2+680	1848.12	1847.02	0.90	1848.12	2+500
2+700	1848.13	1847.03	0.90	1848.13	2+500
2+720	1848.14	1847.04	0.90	1848.14	2+500
2+740	1848.15	1847.05	0.90	1848.15	2+500
2+760	1848.16	1847.06	0.90	1848.16	2+500
2+780	1848.17	1847.07	0.90	1848.17	2+500
2+800	1848.18	1847.08	0.90	1848.18	2+500
2+820	1848.19	1847.09	0.90	1848.19	2+500
2+840	1848.20	1847.10	0.90	1848.20	2+500
2+860	1848.21	1847.11	0.90	1848.21	2+500
2+880	1848.22	1847.12	0.90	1848.22	2+500
2+900	1848.23	1847.13	0.90	1848.23	2+500
2+920	1848.24	1847.14	0.90	1848.24	2+500
2+940	1848.25	1847.15	0.90	1848.25	2+500
2+960	1848.26	1847.16	0.90	1848.26	2+500
2+980	1848.27	1847.17	0.90	1848.27	2+500
3+000	1848.28	1847.18	0.90	1848.28	3+000
3+020	1848.29	1847.19	0.90	1848.29	3+000
3+040	1848.30	1847.20	0.90	1848.30	3+000
3+060	1848.31	1847.21	0.90	1848.31	3+000
3+080	1848.32	1847.22	0.90	1848.32	3+000
3+100	1848.33	1847.23	0.90	1848.33	3+000
3+120	1848.34	1847.24	0.90	1848.34	3+000
3+140	1848.35	1847.25	0.90	1848.35	3+000
3+160	1848.36	1847.26	0.90	1848.36	3+000
3+180	1848.37	1847.27	0.90	1848.37	3+000
3+200	1848.38	1847.28	0.90	1848.38	3+000
3+220	1848.39	1847.29	0.90	1848.39	3+000
3+240	1848.40	1847.30	0.90	1848.40	3+000
3+260	1848.41	1847.31	0.90	1848.41	3+000
3+280	1848.42	1847.32	0.90	1848.42	3+000
3+300	1848.43	1847.33	0.90	1848.43	3+000
3+320	1848.44	1847.34	0.90	1848.44	3+000
3+340	1848.45	1847.35	0.90	1848.45	3+000
3+360	1848.46	1847.36	0.90	1848.46	3+000
3+380	1848.47	1847.37	0.90	1848.47	3+000
3+400	1848.48	1847.38	0.90	1848.48	3+000
3+420	1848.49	1847.39	0.90	1848.49	3+000
3+440	1848.50	1847.40	0.90	1848.50	3+000
3+460	1848.51	1847.41	0.90	1848.51	3+000
3+480	1848.52	1847.42	0.90	1848.52	3+000
3+500	1848.53	1847.43	0.90	1848.53	3+000
3+520	1848.54	1847.44	0.90	1848.54	3+000
3+540	1848.55	1847.45	0.90	1848.55	3+000
3+560	1848.56	1847.46	0.90	1848.56	3+000
3+580	1848.57	1847.47	0.90	1848.57	3+000
3+800	1848.58	1847.48	0.90	1848.58	3+800

CLIENT

TANA WATER WORKS DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

DESIGNS FOR AUGMENTATION OF TIGITHI-HUMUKA WATER PROJECT

Civil/Structural Engineers

TANA WATER WORKS DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title

MWIYOGO TO KWA NEWTON LINE

PLAN AND PROFILE (SHEET 2 OF 2)

Designed by KNG	Drawn by MK
Checked by JMM	Approved by
Scale AS SHOWN (A1)	Date SEPTEMBER 2023
Job No. 1	ACAD File:
PD STATUS	DRAWING No.TWWD/THWP/MNL/02

Mwiyogo to Kwa Newton Line
SCALE: HOR 1:2000 VERT 1:1000