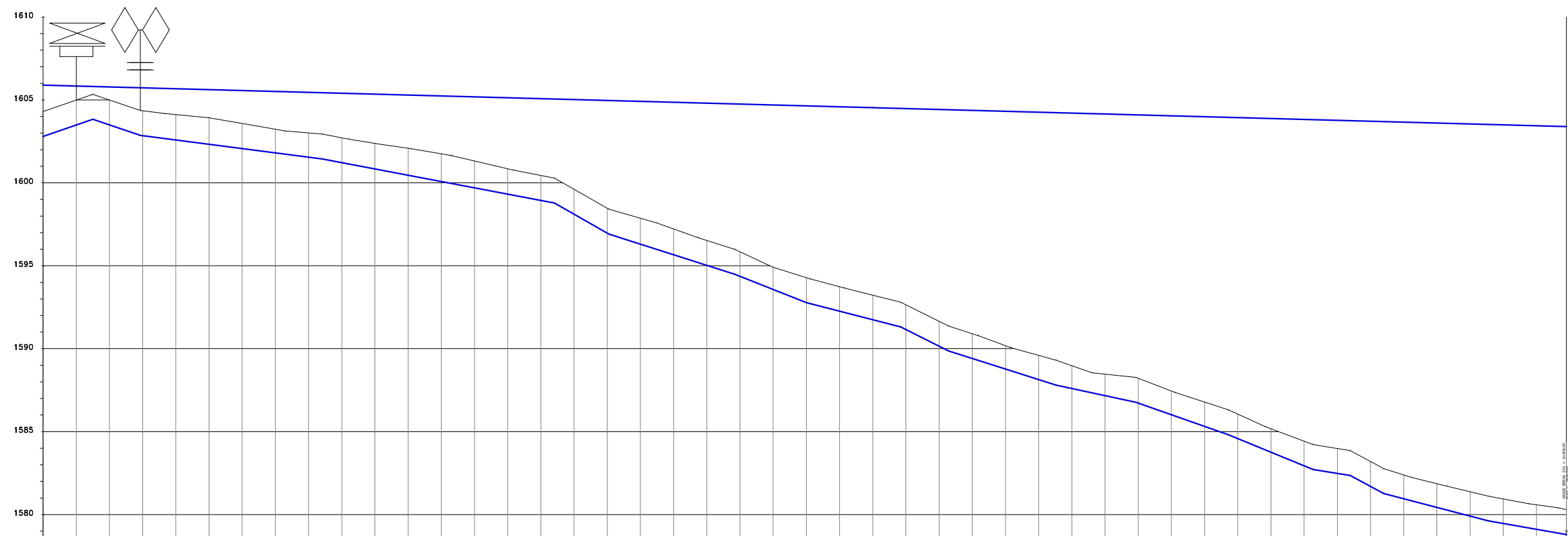


- NOTES**
1. ALL LEVELS ARE IN METERS ABOVE SEA LEVEL.
 2. COORDINATES ARE BASED ON UTM.
 3. LOCATION OF AIR VALVES, WASHOUTS, BENDS AND OTHER FITTINGS AS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER ON SITE.
 4. GROUND AND INVERT LEVEL SHOWN ARE AS SHOWN ON DRAWING UNLESS OTHERWISE INDICATED ON SITE BY THE ENGINEER.
 5. 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.
 6. ALL BENDS ARE HORIZONTAL UNLESS OTHERWISE STATED.
 7. 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
 - WO1 — WASHOUT TYPE 1
 - WO2 — WASHOUT TYPE 2
 - DN — NOMINAL DIAMETER
 - PN — NOMINAL PRESSURE
 - VB — VERTICAL BEND
 - HB — HORIZONTAL BEND
 - ▨ — EXISTING STRUCTURE
 - ER — EARTH ROAD
 - GR — GRAVEL ROAD
 - CUT

KIANGORO LATERAL



CHAINAGE (m)	ORIGINAL GROUND LEVEL (m.a.s.l.)	PIPELINE INVERT LEVEL (m.a.s.l.)	TRENCH DEPTH (m)	PIPE SLOPE	PIPE DIA. & MAT.	PIPE FITTINGS
0+000	1602.801	1605.885	3.884			
0+020	1603.493	1605.831	2.338	0:29.92		S.V A.V
0+040	1603.396	1605.777	2.281	-1:29.62		
0+060	1602.849	1605.723	2.874			
0+080	1602.889	1605.669	3.880			
0+100	1602.329	1605.615	3.286	-1:17.68		
0+120	1602.089	1605.561	3.472			
0+140	1601.809	1605.507	3.698	-1:52.77		
0+160	1601.549	1605.453	3.904			
0+180	1601.220	1605.398	4.178	-1:17.50		
0+200	1600.841	1605.344	4.504			
0+220	1600.462	1605.290	4.828	-1:25.34		
0+240	1600.083	1605.236	5.153			
0+260	1599.704	1605.182	5.278	-1:38.62		
0+280	1599.325	1605.128	5.803	-1:20.01		
0+300	1598.946	1605.074	6.128			
0+320	1598.567	1605.020	6.453	-1:31.20		
0+340	1604.965	1604.965	0.000			
0+360	1604.911	1604.911	0.000			
0+380	1604.857	1604.857	0.000			
0+400	1604.803	1604.803	0.000			
0+420	1604.749	1604.749	0.000			
0+440	1604.695	1604.695	0.000			
0+460	1604.641	1604.641	0.000			
0+480	1604.587	1604.587	0.000			
0+500	1604.533	1604.533	0.000			
0+520	1604.478	1604.478	0.000			
0+540	1604.423	1604.423	0.000			
0+560	1604.369	1604.369	0.000			
0+580	1604.314	1604.314	0.000			
0+600	1604.259	1604.259	0.000			
0+620	1604.205	1604.205	0.000			
0+640	1604.150	1604.150	0.000			
0+660	1604.096	1604.096	0.000			
0+680	1604.041	1604.041	0.000			
0+700	1603.986	1603.986	0.000			
0+720	1603.932	1603.932	0.000			
0+740	1603.877	1603.877	0.000			
0+760	1603.822	1603.822	0.000			
0+780	1603.768	1603.768	0.000			
0+800	1603.713	1603.713	0.000			
0+820	1603.659	1603.659	0.000			
0+840	1603.604	1603.604	0.000			
0+860	1603.549	1603.549	0.000			
0+880	1603.495	1603.495	0.000			
0+900	1603.440	1603.440	0.000			
0+918	1603.391	1603.391	0.000			

FOR CONSTRUCTION

REV	REVISIONS	BY	CHKD	DATE	APPROVED
		BY			
		CHECKED			
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		BY			
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		BY			
		CHECKED			

CLIENT

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

PROJECT
NGARIAMA NJUKIINI WATER PROJECT

Civil/Structural Engineers

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

Drawing Title
NGARIAMA NJUKIINI WATER PROJECT
TEE OFF TO KIANGORO PIPELINE
PLAN AND PROFILE (SHEET 1 OF 4)

Designed by DWN	Drawn by EWN
Checked by JMM	Approved by
Scale AS SHOWN (A1)	Date MAY, 2022
Job No. 1	ACAD File:
C STATUS	DRAWING NoJWWDA/NNWP/TK-001
	CO REV