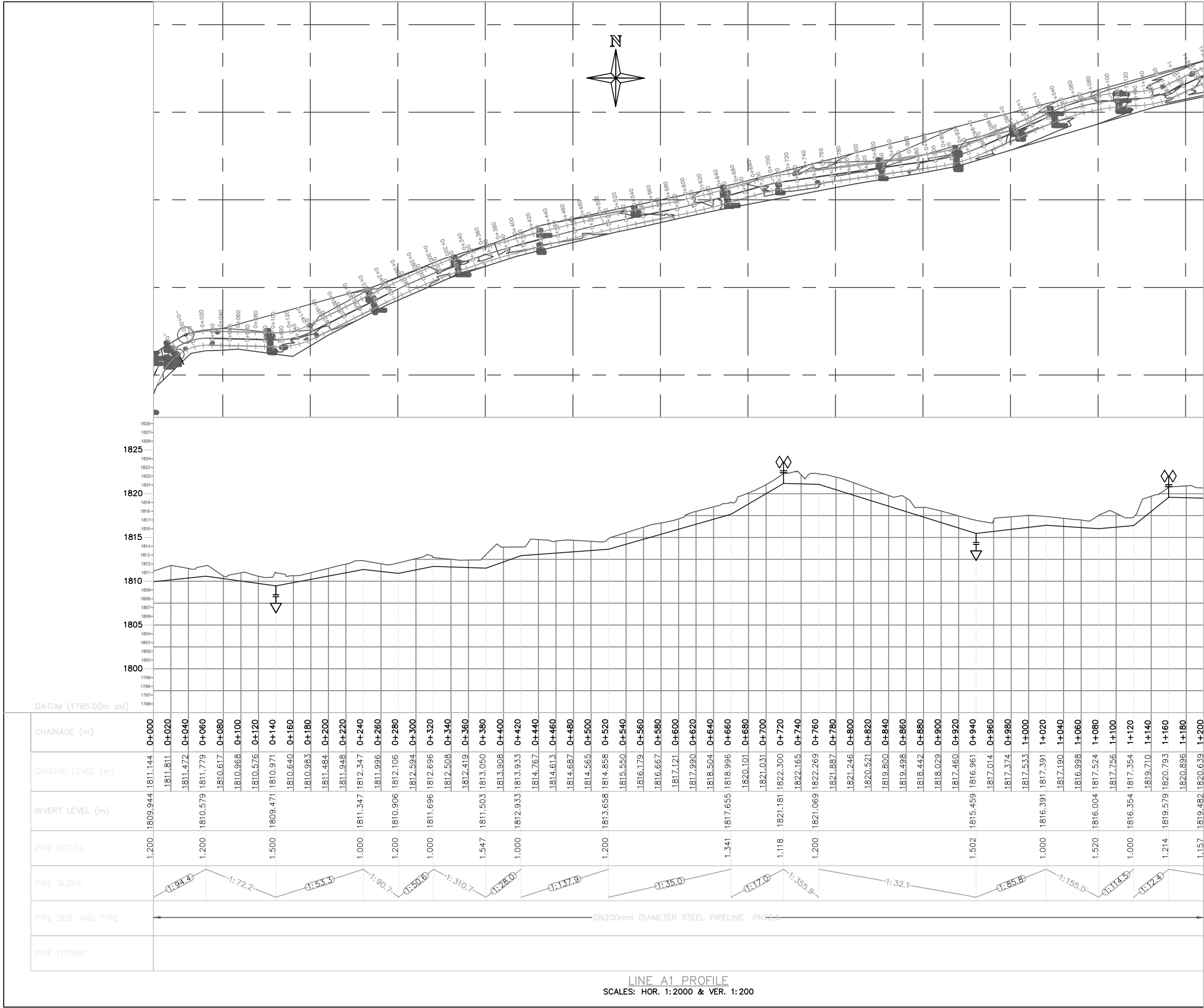




- NOTES**
- ALL LEVELS ARE IN METERS ABOVE ORDINARY DATUM.
 - PIPES ARE TO BE LAID TO EVEN GRADIENTS WITH A MINIMUM COVER OF 1.0M. WHERE COVER IS LESS THAN THIS, PIPE TO BE SURROUNDED WITH CONCRETE.
 - ALL BENDS ARE HORIZONTAL UNLESS OTHERWISE STATED.
 - LOCATION OF AIR VALVES, WASHOUTS, BENDS AND OTHER FITTINGS AS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER ON SITE.
 - EXACT SETTING OUT OF PIPELINE TO BE DETERMINED ON SITE BY THE ENGINEER
 - ALL SOILS ARE RED COFFEE SOILS UNLESS OTHERWISE STATED.

- LEGEND**
- PROPOSED PIPELINE
 - EXISTING GROUND PROFILE
 - WVOV — WASHOUT VALVE
 - DN — NOMINAL DIAMETER
 - PN — NOMINAL PRESSURE
 - VB — VERTICAL BEND
 - HB — HORIZONTAL BEND
 - SV — SLUICE VALVE
 - ER — EARTH ROAD
 - GR — GRAVEL ROAD
 - CS — CONCRETE SURROUND
 - EARTHWORKS (CUT-AWAY)
 - DOUBLE AIR VALVE
 - WASHOUT VALVE
 - SECTIONAL VALVE

BENCHMARKS

POINT	EASTINGS (m)	NORTHINGS (m)	HEIGHT (m)
TBM1	280973.500	9918864.200	1558.096
TBM2	281427.200	9918702.800	1533.156
TBM3	281885.000	9918548.100	1511.129

FOR CONSTRUCTION

Signed C.T.M.S

GITHAGARA-MAIRO ROAD WATER INFRASTRUCTURE RELOCATION PROJECT

CLIENT

 TANA WATER SERVICES BOARD
P.O.Box 1292 - 00100
NYERI, KENYA
E mail: info@twsb.co.ke

CLIENTS SIGNATURE _____

FUNDING

 THE NATIONAL GOVERNMENT OF KENYA
MINISTRY OF WATER AND SANITATION
P.O.Box
NAIROBI, KENYA
E mail: info@gok.co.ke

DRG TITLE			
WATER SUPPLY			
PIPELINE HYDRAULIC PLAN AND PROFILE			
(LINE A1 SHEET 1 OF 3)			
JOB No TWWDA-50/2021		DRG No TWWDA/GIMA/WR-001	
DESIGNED	MARIGI MENGU	REVISIONS	
DRAWN	NYAGA MURITHI	A	D
CHECKED	ENG.D.NGUGI	B	E
SCALE	DATE	C	F
AS SHOWN (A3)	JUNE, 2021		