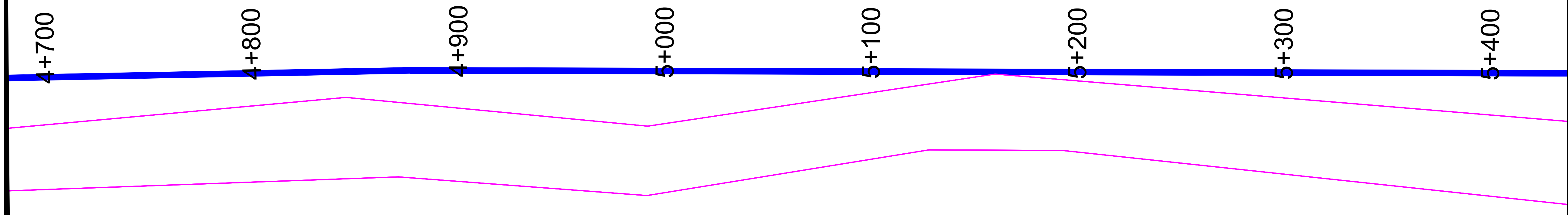
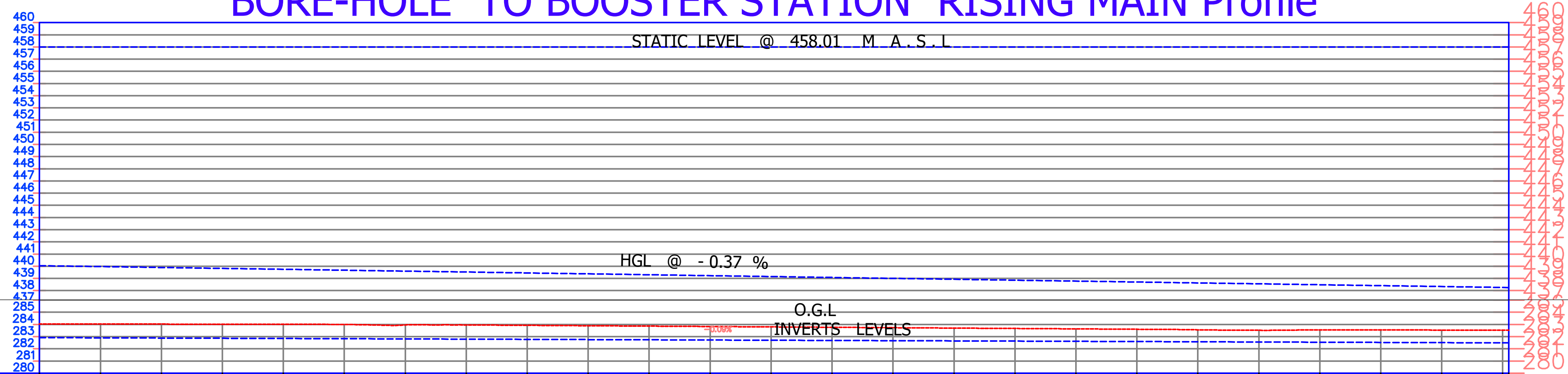


BORE-HOLE TO BOOSTER STATION RISING MAIN Profile



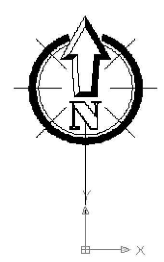
STATION	4+820	4+840	4+860	4+880	4+900	4+920	4+940	4+960	4+980	5+000	5+020	5+040	5+060
STATIC HEAD LEVELS (m)	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01
HYDRAULIC GRADE LEVELS (m)	440.05	439.97	439.90	439.82	439.75	439.67	439.60	439.53	439.45	439.38	439.30	439.23	439.15
EXISTING GROUND LEVEL (m)	284.04	284.03	284.03	284.02	284.02	284.00	283.95	283.96	283.93	283.89	283.86	283.83	283.80
EXCAVATED LEVELS	282.92	282.90	282.88	282.86	282.85	282.83	282.81	282.79	282.77	282.76	282.74	282.72	282.70

STATION	5+080	5+100	5+120	5+140	5+160	5+180	5+200	5+220	5+240	5+260	5+280	5+300 5+302
STATIC HEAD LEVELS (m)	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01	458.01 458.01
HYDRAULIC GRADE LEVELS (m)	439.08	439.00	438.93	438.86	438.78	438.71	438.63	438.56	438.48	438.41	438.33	438.26 438.25
EXISTING GROUND LEVEL (m)	283.77	283.73	283.70	283.67	283.64	283.60	283.56	283.52	283.55	283.55	283.54	283.53 283.53
EXCAVATED LEVELS	282.68	282.67	282.65	282.63	282.61	282.59	282.58	282.56	282.54	282.52	282.50	282.49 282.49

SOIL TYPE	Clay/Sands soils
FLOW	Q=15 M3/HR , V=0.7 m/s
Pipe Data	110 mm Dia HDPE PN 16 Pipe

LEGEND

- EXISTING ROADS
- AIR-STRIP
- BUILDINGS
- EXISTING PIPELINE
- PROPOSED PIPELINE
- LAGAS/RIVERS
- FENCE/COMPOUNDS



SCALE

HORIZONTAL SCALE-1:2,000

VERTICAL SCALE-------1:100

NOTES

1. All dimensions are in mm unless otherwise specified
2. All dimensions to be read off and not scaled.
3. Any discrepancies with dimensions to be notified to the Engineer before commencement of work.
4. All water pipes are all uPVC except where it crosses the laga GI is used

NOTES

5. A nominal minimum cover for all pipes shall be 0.6m
6. Marker posts shall be provided along pipelines at every 200m, except where they follow permanent roads

CLIENT	ENGINEER			PROJECT TITTLE		
REPUBLIC OF KENYA NORTHERN WATER WORKS DEVELOPMENT AGENCY	REPUBLIC OF KENYA NORTHERN WATER WORKS DEVELOPMENT AGENCY	DESIGNED BY:	J.MUE	PROPOSED AUGMENTATION OF MERT - KORBESA WATER & SANITATION PROJECT IN ISIOLO NORTH CONSITITUENCY -ISIOLO COUNTY	SCALE:	AS SHOWN
		SURVEYED BY:	G. N.N		DATE :	JUNE . 2020
		CHECKED BY:	M.Y HUSSEIN		Drg. No. SN/M -002/11	SHEET 011
		APPROVED BY:	ENG. D.NDERI	DRG. TITLE: BOR-HOLE -BOOSTER RISING MAIN LINE		Sheet Size. A3