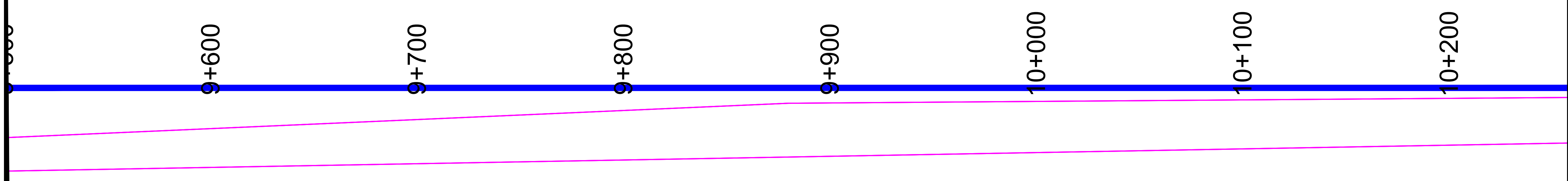
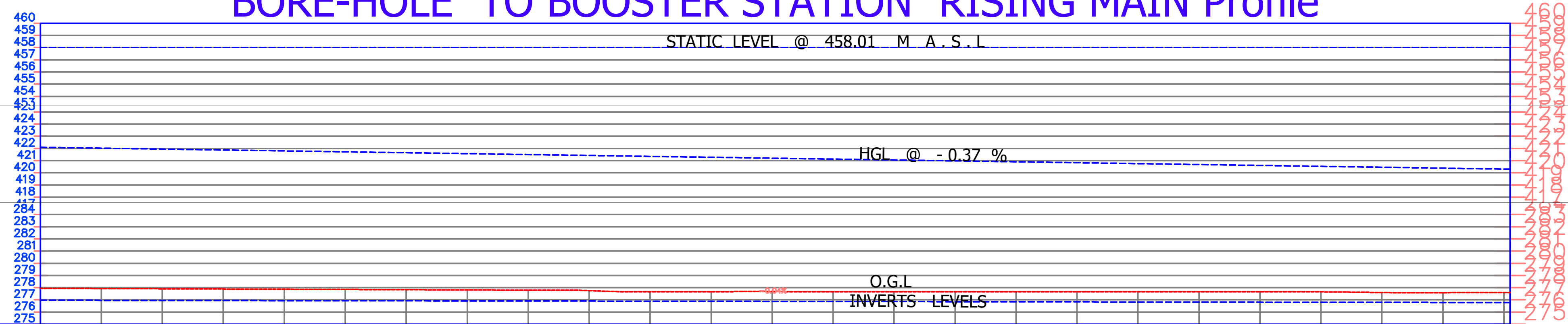


BORE-HOLE TO BOOSTER STATION RISING MAIN Profile



STATION	9+640	9+660	9+680	9+700	9+720	9+740	9+760	9+780	9+800	9+820	9+840	9+860	9+880
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)	422.09	422.02	421.95	421.87	421.80	421.72	421.65	421.57	421.50	421.42	421.35	421.28	421.20
EXISTING GROUND LEVEL (m)	277.94	277.92	277.91	277.89	277.87	277.85	277.83	277.81	277.79	277.75	277.67	277.67	277.67
EXCAVATED LEVELS	276.96	276.95	276.95	276.94	276.93	276.92	276.92	276.91	276.90	276.89	276.88	276.88	276.87

STATION	9+900	9+920	9+940	9+960	9+980	10+000	10+020	10+040	10+060	10+080	10+100	10+120	10+122
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)	421.13	421.05	420.98	420.90	420.83	420.75	420.68	420.60	420.53	420.46	420.38	420.31	420.30
EXISTING GROUND LEVEL (m)	277.67	277.67	277.67	277.67	277.67	277.66	277.66	277.66	277.65	277.60	277.59	277.60	277.61
EXCAVATED LEVELS	276.86	276.85	276.85	276.84	276.83	276.82	276.81	276.81	276.80	276.79	276.78	276.78	276.78

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	DESIGNED BY:	J.MUE	PROJECT TITTLE	SCALE:	AS SHOWN
REPUBLIC OF KENYA NORTHERN WATER WORKS DEVELOPMENT AGENCY	REPUBLIC OF KENYA NORTHERN WATER WORKS DEVELOPMENT AGENCY	SURVEYED BY:	G. N.N	PROPOSED AUGMENTATION OF MERT - KORBESA WATER & SANITATION PROJECT IN ISIOLO NORTH CONSITITUENCY -ISIOLO COUNTY	DATE :	JUNE . 2020
		CHECKED BY:	M.Y HUSSEIN		Drg. No. SN/M -002/21	SHEET 021
		APPROVED BY:	ENG. D.NDERI	DRG. TITLE: BOR-HOLE -BOOSTER RISING MAIN LINE		Sheet Size. A3