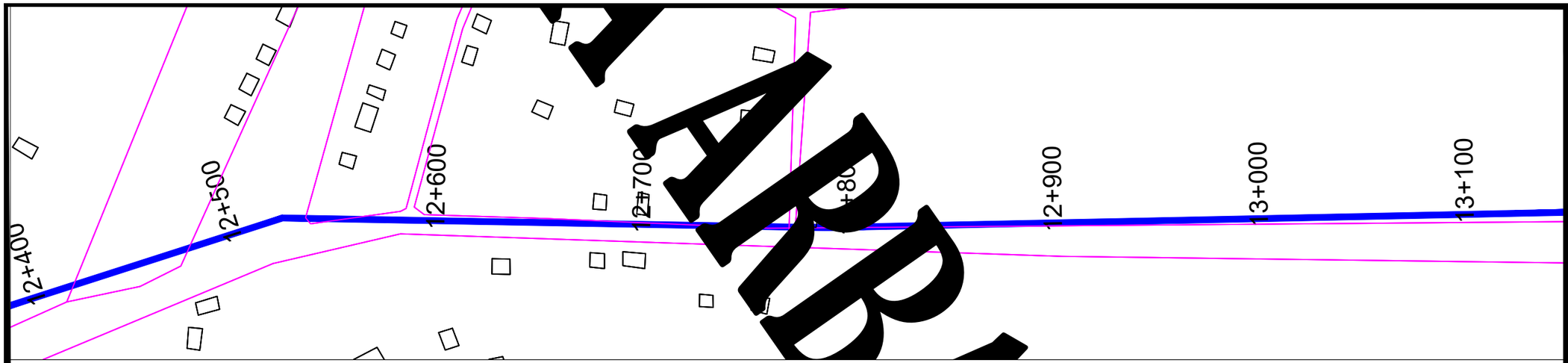
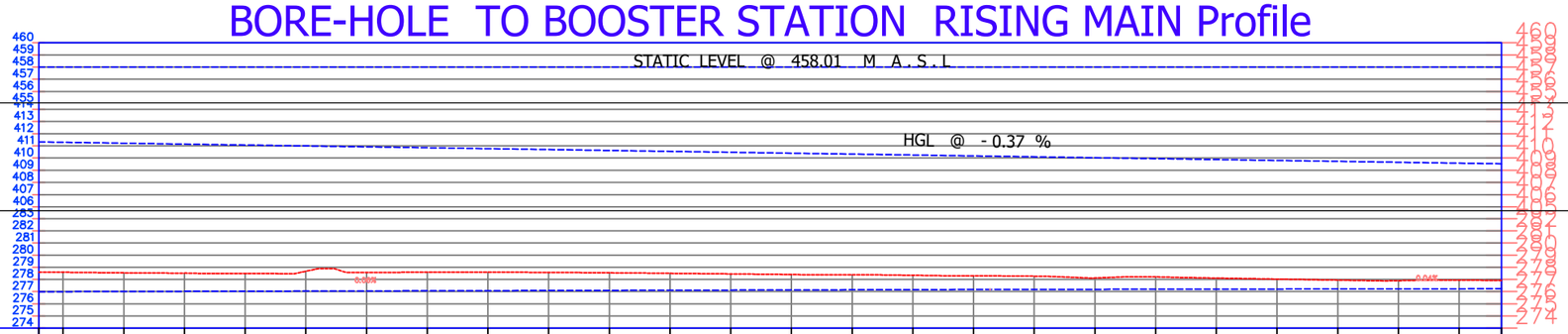


BORE-HOLE TO BOOSTER STATION RISING MAIN Profile



STATION	12+520	12+540	12+560	12+580	12+600	12+620	12+640	12+660	12+680	12+700	12+720	12+740	12+760	12+780	12+800	12+820	12+840	12+860	12+880	12+900	12+920	12+940	12+960	12+980	13+000	13+014
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	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)	411.32	411.29	411.22	411.14	411.07	411.00	410.92	410.85	410.77	410.70	410.62	410.55	410.47	410.40	410.32	410.25	410.18	410.10	410.03	409.95	409.88	409.80	409.73	409.65	409.58	409.53
EXISTING GROUND LEVEL (m)	278.60	278.59	278.54	278.52	278.49	278.67	278.58	278.59	278.59	278.57	278.54	278.50	278.45	278.40	278.38	278.34	278.30	278.27	278.12	278.21	278.11	278.03	277.95	277.90	277.94	277.92
EXCAVATED LEVELS	276.99	276.99	277.01	277.02	277.03	277.04	277.05	277.07	277.08	277.09	277.10	277.11	277.12	277.14	277.15	277.16	277.17	277.18	277.19	277.19	277.20	277.21	277.21	277.22	277.23	277.23
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 -002/027	SHEET 027
		APPROVED BY:	ENG. D.NDERI	DRG. TITLE: BOR-HOLE -BOOSTER RISING MAIN LINE		Sheet Size. A3