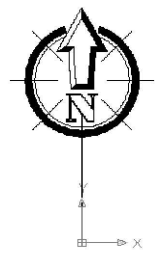


**LEGEND**

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

**BORE-HOLE TO BOOSTER STATION RISING MAIN Profile**

STATION	10+122	10+140	10+160	10+180	10+200	10+220	10+240	10+260	10+280	10+300	10+320	10+340	10+360	10+380	10+400	10+420	10+440	10+460	10+480	10+500	10+520	10+540	10+560	10+580	10+600	10+620	10+640	10+660	10+680	10+700
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	458.01	458.01	458.01	458.3101
HYDRAULIC GRADE LEVELS (m)	420.30	420.23	420.16	420.08	420.01	419.93	419.86	419.79	419.71	419.64	419.56	419.49	419.41	419.34	419.26	419.19	419.11	419.04	418.97	418.89	418.82	418.74	418.67	418.59	418.52	418.45	418.38	418.31	418.24	418.17
EXISTING GROUND LEVEL (m)	276.78	277.62	277.64	277.66	277.64	277.59	277.49	277.48	277.56	277.64	277.72	277.75	277.72	277.70	277.67	277.64	277.61	277.58	277.55	277.48	277.45	277.41	277.31	277.28	277.39	277.32	277.32	277.32	277.32	277.32
EXCAVATED LEVELS	276.78	277.62	277.64	277.66	277.64	277.59	277.49	277.48	277.56	277.64	277.72	277.75	277.72	277.70	277.67	277.64	277.61	277.58	277.55	277.48	277.45	277.41	277.31	277.28	277.39	277.32	277.32	277.32	277.32	277.32
SOIL TYPE	Clay/Sands soils																													
FLOW	Q=15 M3/HR , V=0.7 m/s																													
Pipe Data	110 mm Dia HDPE PN 16 Pipe																													



**SCALE**

HORIZONTAL SCALE-1:2,000

VERTICAL SCALE-----1:100

**NOTES**

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

**NOTES**

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

	<b>CLIENT</b> REPUBLIC OF KENYA NORTHERN WATER WORKS DEVELOPMENT AGENCY		<b>ENGINEER</b> REPUBLIC OF KENYA NORTHERN WATER WORKS DEVELOPMENT AGENCY	<b>DESIGNED BY:</b> J.MUE	<b>PROJECT TITLE</b> PROPOSED AUGMENTATION OF MERT - KORBESA WATER & SANITATION PROJECT IN ISIOLO NORTH CONSITUENCY-ISIOLO COUNTY	<b>SCALE:</b> AS SHOWN
				<b>SURVEYED BY:</b> G.N.N		<b>DATE :</b> JUNE . 2020
				<b>CHECKED BY:</b> M.Y.HUSSEIN		<b>SHEET 022</b> Sheet Size.
				<b>APPROVED BY:</b> ENG. D.NDERI	<b>DRG. TITLE:</b> BOR-HOLE -BOOSTER RISING MAIN LINE	<b>SN/M -002/022</b> <b>A3</b>