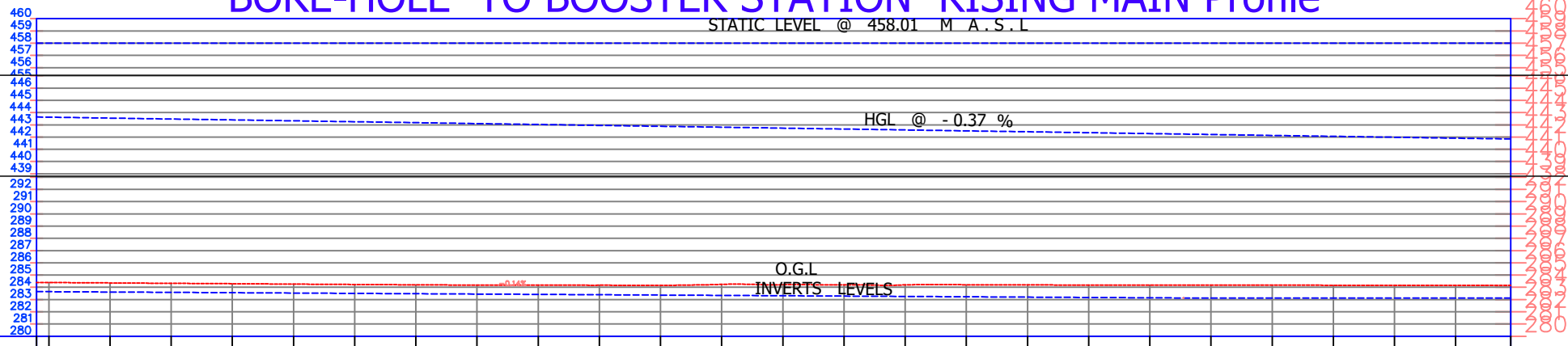


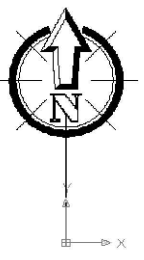
**LEGEND**

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

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



	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		
	HYDRAULIC GRADE LEVELS (m)	443.64	443.62	443.55	443.47	443.40	443.32	443.25	443.18	443.10	443.03	442.95	442.88	442.80	442.73	442.65	442.58	442.51	442.43	442.36	442.28	442.21	442.13	442.06	441.98	441.91	441.84
	STATION	3+850	3+880	3+900	3+920	3+940	3+960	3+980	4+000	4+020	4+040	4+060	4+080	4+100	4+120	4+140	4+160	4+180	4+200	4+220	4+240	4+260	4+280	4+300	4+320	4+338	
	EXISTING GROUND LEVEL (m)	284.40	284.36	284.33	284.29	284.26	284.23	284.20	284.18	284.17	284.16	284.16	284.24	284.22	284.20	284.19	284.18	284.18	284.17	284.17	284.16	284.16	284.16	284.16	284.16	284.15	284.15
	EXCAVATED LEVELS	283.65	283.61	283.59	283.56	283.53	283.50	283.47	283.45	283.42	283.39	283.36	283.34	283.31	283.28	283.25	283.23	283.20	283.17	283.14	283.13	283.12	283.12	283.12	283.12	283.12	283.12
	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**

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

 <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>SURVEYED BY:</b> G. N.N	<b>PROJECT TITLE</b> PROPOSED AUGMENTATION OF MERT - KORBESA WATER & SANITATION PROJECT IN ISIOLO NORTH CONSITUENCY -ISIOLO COUNTY	<b>SCALE:</b> AS SHOWN
		<b>CHECKED BY:</b> M.Y HUSSEIN	<b>APPROVED BY:</b> ENG. D.NDERI	<b>DRG. TITLE:</b> BOR-HOLE -BOOSTER RISING MAIN LINE	<b>DATE :</b> JUNE . 2020
					<b>Drg. No.</b> SN/M -002/009
					<b>SHEET 009</b> Sheet Size. <b>A3</b>