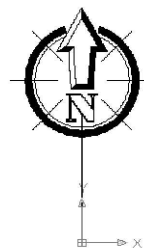


### BORE-HOLE TO BOOSTER STATION RISING MAIN Profile

	456	459	458	457	456	455	454	428	427	426	425	424	423	422	421	284	283	282	281	280	279	278	277	276	275			
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			
HYDRAULIC GRADE LEVELS (m)	425.69	425.67	425.60	425.52	425.45	425.37	425.30	425.22	425.15	425.07	425.00	424.93	424.85	424.78	424.70	424.63	424.55	424.48	424.40	424.33	424.25	424.18	424.11	424.03	423.96	423.89		
STATION	8+600	8+650	8+700	8+720	8+740	8+760	8+780	8+800	8+820	8+840	8+860	8+880	8+900	8+920	8+940	8+960	8+980	9+000	9+020	9+040	9+060	9+080	9+100	9+120	9+140	9+158		
EXISTING GROUND LEVEL (m)	277.40	277.39	277.50	277.48	277.47	277.46	277.45	277.44	277.43	277.41	277.40	277.39	277.38	277.37	277.36	277.34	277.33	277.32	277.30	277.28	277.25	277.23	277.21	277.20	277.18	277.16		
EXCAVATED LEVELS	277.40	277.39	277.38	277.37	277.36	277.35	277.34	277.33	277.32	277.31	277.30	277.29	277.28	277.27	277.26	277.24	277.23	277.22	277.22	277.21	277.21	277.20	277.19	277.18	277.18	277.16		
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

 <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>SHEET 019</b> Sheet Size. <b>A3</b>