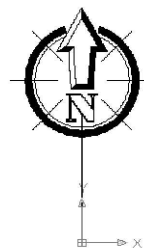


BORE-HOLE TO BOOSTER STATION RISING MAIN Profile

| STATION | 12+050 | 12+060 | 12+080 | 12+100 | 12+120 | 12+140 | 12+160 | 12+180 | 12+200 | 12+220 | 12+240 | 12+260 | 12+280 | 12+300 | 12+320 | 12+340 | 12+360 | 12+380 | 12+400 | 12+420 | 12+440 | 12+460 | 12+480 | 12+500 | 12+520 | 12+532 | |
|----------------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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) | 413.12 | 413.08 | 413.01 | 412.93 | 412.86 | 412.78 | 412.71 | 412.63 | 412.56 | 412.48 | 412.41 | 412.34 | 412.26 | 412.19 | 412.11 | 412.04 | 411.96 | 411.89 | 411.81 | 411.74 | 411.67 | 411.59 | 411.52 | 411.44 | 411.37 | 411.32 | |
| EXISTING GROUND LEVEL (m) | 277.21 | 278.07 | 278.06 | 278.03 | 278.01 | 277.98 | 277.96 | 277.82 | 277.72 | 277.51 | 277.58 | 277.65 | 277.72 | 277.80 | 277.81 | 277.77 | 277.68 | 277.79 | 277.96 | 278.10 | 278.22 | 278.30 | 278.42 | 278.55 | 278.57 | 278.60 | |
| EXCAVATED LEVELS | 277.21 | 277.20 | 277.19 | 277.17 | 277.16 | 277.14 | 277.13 | 277.12 | 277.10 | 277.09 | 277.07 | 277.06 | 277.04 | 277.03 | 277.01 | 277.00 | 276.99 | 276.97 | 276.96 | 276.94 | 276.94 | 276.95 | 276.96 | 276.97 | 276.98 | 276.98 | |
| 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

- 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

| | | | | | | |
|--|--|--|--|----------------------------------|---|---|
| | CLIENT REPUBLIC OF KENYA NORTHERN WATER WORKS DEVELOPMENT AGENCY | | ENGINEER REPUBLIC OF KENYA NORTHERN WATER WORKS DEVELOPMENT AGENCY | DESIGNED BY: J.MUE | PROJECT TITLE PROPOSED AUGMENTATION OF MERT - KORBESA WATER & SANITATION PROJECT IN ISIOLO NORTH CONSITUENCY -ISIOLO COUNTY | SCALE: AS SHOWN |
| | | | | SURVEYED BY: G. N.N | | DATE : JUNE . 2020 |
| | | | | CHECKED BY: M.Y HUSSEIN | | SHEET 0026 |
| | | | | APPROVED BY: ENG. D.NDERI | DRG. TITLE: BOR-HOLE -BOOSTER RISING MAIN LINE | Drg. No. SN/M -002/26 Sheet Size. A3 |