

NOTES

1. PROGRAMME, METHOD OF CONSTRUCTION AND SETTING OUT OF WORK TO BE APPROVED BY THE ENGINEER BEFORE COMMENCEMENT OF WORK
2. DESIGN CRITERIA
 - (a) DESIGN CODES B.S. 8007 & B.S. 8110
 - (b) UNIFORM NON-COMPRESSIBLE FOUNDATION WITH MINIMUM BEARING CAPACITY 90kN/m²
3. CONCRETE
 - (a) CEMENT TO BE CEM 1 - 42.5 TO KES EAS 18-1 AND KS EAS 18-3
 - (c) WATER IN CONCRETE TO B.S. 3148
 - (d) CONCRETE CLASSES TO BE AS FOLLOWS:-
MASS CONCRETE FILL AND BLINDING MIX, CLASS 15/20
REINFORCED CONCRETE CLASS 25/20
 - (e) MINIMUM COVER TO ALL REINFORCEMENT TO BE 40mm UNLESS AS SPECIFIED BELOW
FOR BUILDINGS:-
MEMBERS OF BUILDINGS:-
- SLABS - 20mm
- BEAMS - 25mm
- COLUMNS - 40mm
- FOUNDATIONS AND FOOTINGS - 50mm
IN A FULL HEIGHT POUR AS SOON AS POSSIBLE AFTER THE BASE HAS BEEN CONCRETED (2 TO 3 DAYS)
4. REINFORCEMENT:
 - (a) REINFORCEMENT TO BE HIGH YIELD SQUARE TWISTED BARS TO B.S. 4461
 - (b) BENDING DIMENSIONS TO B.S. 4466
 - (d) EXAMPLE: 16 T12 -07-150 SIGNIFIES 16No. HIGH AT 150mm CENTRE TO CENTRE SPACING
5. JOINTS
 - (a) THE POSITION AND NUMBER OF INTERMEDIATE AS SHOWN IN THE DRAWINGS
BEFORE PLACING FRESH CONCRETE THE OLD SURFACE SHALL BE ROUGHENED AND ALL LAITANCE AND LOOSE MATERIAL REMOVED SURFACE DRY CONDITION
HAVE 100mm KICKER UNLESS OTHERWISE SPECIFIED
 - (c) THE uPVC WATER STOP SHALL BE 200mm WIDE UNLESS OTHERWISE SPECIFIED
 - (d) JOINT FILLER TO B.S. 5292AND TO BE APPROVED BY THE ENGINEER
6. ABBREVIATIONS

| | |
|------------------|-----------------|
| T - TOP | B - BOTTOM |
| N.F. - NEAR FACE | F.F. - FAR FACE |
| E.F. - EACH FACE | E.W. - EACH WAY |

LEGEND

- BF - BLANK FLANGE
- PF - PUDDLE FLANGE
- DN - NOMINAL DIAMETER
- C/C - CENTRE TO CENTRE
- PCC - PRECAST CONCRETE
- RC - REINFORCED CONCRETE
- MS - MILD STEEL
- FC - FLEXIBLE COUPLING
- TWL - TOP WATER LEVEL
- PCC/STEEL - PRE-CAST CONCRETE/STEEL PIPE COUPLING

FOR CONSTRUCTION

| REV | REVISIONS | SIGN | DATE | APPROVED |
|-----|-----------|---------|------|----------|
| | | BY | | |
| | | CHECKED | | |
| | | BY | | |
| | | CHECKED | | |
| | | BY | | |
| | | CHECKED | | |
| | | BY | | |
| | | CHECKED | | |

CLIENT

TANA WATER WORKS DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

NGARIAMA NJUKIINI WATER PROJECT

Civil/Structural Engineers

TANA WATER WORKS DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title

NGARIAMA NJUKIINI WATER PROJECT INTAKE
INTAKE DETAIL (SHEET 1 OF 2)

| | |
|-----------------|--------------|
| Designed by DWN | Drawn by EWN |
| Checked by JMM | Approved by |

| | |
|---------------------|----------------|
| Scale AS SHOWN (A1) | Date MAY, 2022 |
| Job No. 1 | ACAD File: |

| | |
|----------|-------------------------------|
| C STATUS | DRAWING No.TWWDA/NNWP/INT-001 |
|----------|-------------------------------|

