

PROJECT NO: C0345

**FICKSBURG BUCKET ERADICATION PROGRAM
BENDING SCHEDULE**

**water & sanitation**
 Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

| PUMP STATION SUMP | | | | | | BENDING DIMENSIONS | | | |
|---------------------------|----------------------|-------------|--------------|------------|------------|--------------------|-----|-----|-----|
| MEMBER LOCATION | BAR MARK | NO. IN EACH | TOTAL NUMBER | CUT LENGTH | SHAPE CODE | A | B | C | D |
| STARTER BARS | Y10 - 01 | 38 | 400 | 1 940 | 35 | 210 | 860 | 860 | |
| WALL CLIPS | Y10 - 04 | 48 | 500 | 460 | 33 | 220 | 120 | 120 | |
| WALL CORNER BARS | Y10 - 03 | 60 | 720 | 1 800 | 37 | 900 | 900 | | |
| CENTER WALL U BARS | Y10 - 06 | 30 | 120 | 1 940 | 35 | 210 | 860 | 860 | |
| BASE SLAB STOOLS | Y10 - 02 | 120 | 1 300 | 1 300 | 83 | 300 | 200 | 400 | 400 |
| OPENING TRIMMER BARS | Y10 - 05 | 4 | 16 | 960 | 20 | 960 | | | |
| ROOF STOOLS | Y10 - 07 | | 128 | 1 220 | 83 | 300 | 110 | 400 | 400 |
| ROOF STARTER BARS | Y10 - 08 | 38 | 380 | 1 840 | 35 | 120 | 860 | 860 | |
| ROOF TRIMMER BARS | Y10 - 09 | 16 | 64 | 800 | 20 | 800 | | | |
| PUMP STATION GRIT CHAMBER | | | | | | BENDING DIMENSIONS | | | |
| MEMBER LOCATION | BAR MARK | NO. IN EACH | TOTAL NUMBER | CUT LENGTH | SHAPE CODE | A | B | C | D |
| U STARTER BARS | Y10 - 01 | | 460 | 1 790 | 35 | 170 | 810 | 810 | |
| L STARTER BARS | Y10 - 02 | 20 | 80 | 770 | 34 | 670 | 100 | | |
| BASE SLAB STOOLS | Y10 - 03 | | 80 | 1 270 | 83 | 300 | 160 | 400 | 400 |
| CORNER BARS | Y10 - 04 | 22 | 180 | 1 800 | 37 | 900 | 900 | | |
| COLUMN BARS | Y12 - 05 | 4 | 20 | 420 | 20 | 420 | | | |
| WALL CLIPS | Y10 - 06 | | 112 | 440 | 33 | 200 | 120 | 120 | |
| PUMP STATION PUMP HOUSE | | | | | | BENDING DIMENSIONS | | | |
| MEMBER LOCATION | BAR MARK | NO. IN EACH | TOTAL NUMBER | CUT LENGTH | SHAPE CODE | A | B | C | D |
| BASE SLAB STOOLS | Y10 - 01 | 6 | 30 | 1 470 | 83 | 300 | 360 | 400 | 400 |
| WALL STOOLS | Y10 - 03 | 5 | 50 | 1 230 | 83 | 300 | 130 | 400 | 400 |
| BASE SLAB STOOLS | Y10 - 02 | 6 | 30 | 1 270 | 83 | 300 | 160 | 400 | 400 |
| ROOF SLAB U BARS | Y10 - 04 | 30 | 240 | 1 840 | 35 | 120 | 860 | 860 | |
| STAIRCASE | | | | | | BENDING DIMENSIONS | | | |
| MEMBER LOCATION | BAR MARK | NO. IN EACH | TOTAL NUMBER | CUT LENGTH | SHAPE CODE | A | B | C | D |
| STARTER BARS | Y10 - 01 | 18 | 72 | 1 419 | 41 | 721 | 550 | 148 | |
| DIAGONAL BARS | Y10 - 02 | 6 | 24 | 3 225 | 20 | 3 225 | | | |
| HORIZONTAL BARS | Y10 - 03 | 17 | 68 | 920 | 20 | 920 | | | |
| HORIZONTAL BARS | Y10 - 04 | 4 | 16 | 1 140 | 83 | 300 | 70 | 400 | 400 |
| MESH | NO. OF SHEETS | | | | | | | | |
| REF 617 | 1 900 m ² | 132 | | | | | | | |
| REF 888 | 160 m ² | 11 | | | | | | | |
| REF 395 | 60 m ² | 5 | | | | | | | |
| EXTRA REINFORCEMENT BARS | | | | | | | | | |
| MEMBER LOCATION | BAR MARK | NO. IN EACH | TOTAL NUMBER | CUT LENGTH | SHAPE CODE | A | B | C | D |
| SUMP AND GRIT CHAMBER | Y12 - 06 | | 200 | 6000 | 20 | 6000 | | | |
| STIRRUPS | Y8 - S1 | | 200 | 850 | 60 | 270 | 140 | | |
| STIRRUPS | Y8 - S2 | | 200 | 740 | 60 | 170 | 170 | | |
| STIRRUPS | Y8 - S3 | | 50 | 1320 | 60 | 410 | 130 | | |

| WEIGHT IN KILOGRAMS (Kg) | | | | |
|--------------------------|--------|------------|----------|---------|
| SUMMARY | Y8 | Y10 | Y12 | MESH |
| # | 151.68 | 3607.32616 | 1075.476 | 13380.8 |

RESIDENT ENGINEER: 

DATE: 06/11/2019