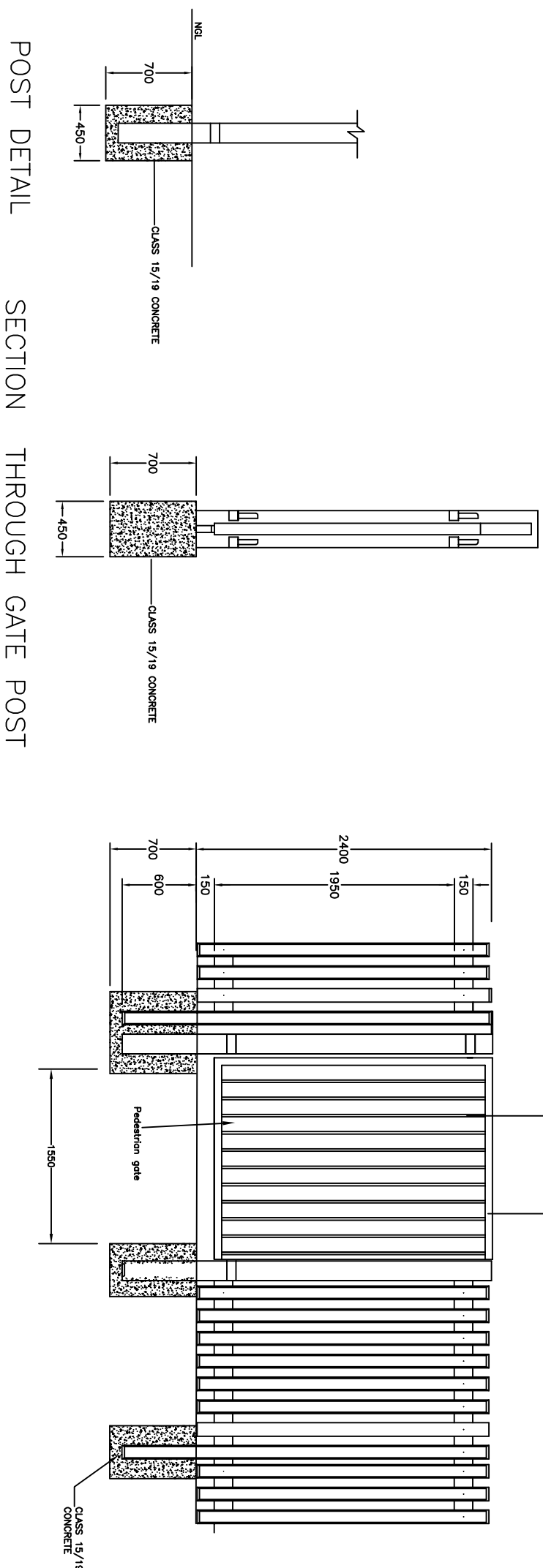


NOTES

1. GENERAL NOTES:
1.1 All levels and dimensions to be confirmed on site before construction work commences.
1.2 All work to comply with National Building Regulations and Building standards, SABS 0400 1990, Local Council requirements and all relevant specifications and codes



NOTES

- ALL CONCRETE ELEMENTS SHALL BE MANUFACTURED FROM SOUND CONCRETE, FREE OF STRUCTURAL DEFECTS, COMPLYING WITH ANY SAME IF REQUIRED, SUBMITTED. ALL ELEMENTS SHALL HAVE OFF-SHOWER FINISH ON THREE SIDES, WITH THE FOURTH SIDE FINISH A WOOD FLOATED FINISH.
- ALL ELEMENTS SHALL RETAIN THE FOLLOWING MINIMUM SIZE AND DIMENSION:
- 1.5. PERFORMANCE REQUIREMENTS (STRENGTH):
THE REQUIRED CONCRETE COMPRESSIVE STRENGTH IN ALL PRE-FABRICATED PRE-STRESSED ELEMENTS SHALL BE A MINIMUM OF 30MPa AT 28 DAYS, DETERMINED IN ACCORDANCE WITH SABS METHOD 14. CURING:
- ALL CONCRETE ELEMENTS SHALL BE CURED IN ACCORDANCE WITH THE RECOMMENDATIONS GIVEN IN SABS METHOD B53.
- 1.5. REINFORCEMENT:
ALL STEEL, USED FOR REINFORCEMENT IN ALL CONCRETE ELEMENTS SHALL BE HOT ROLL STEEL, WITH A MINIMUM CHARACTERISTIC STRENGTH OF 410 MPa AND SHALL BE FREE OF RUST, LOOSE SCALE, FLUX, GREASE OR OIL SUBSTANCES AND SHALL IN GENERAL COMPLY WITH SABS 920 AND BS 4482.
- 1.6. PRE-STRESSING STEEL:
ALL WIRES SHALL BE OF THE CRIMPED VARIETY AND SHALL BE FREE OF RUST, LOOSE SCALE, FLUX, GREASE OR OIL SUBSTANCES AND SHALL IN GENERAL COMPLY WITH SABS 920 AND BS 5896.
2. POST:
- 2.1. THE POST SHALL BE 30mm LONG AND SLOTTED, AS PER DRAWING, TO TAKE THE HORIZONTAL LOAD BEARING RAILS. THE FRONT EDGE SHALL BE CURVED.
- 2.2. THE POSTS SHALL BE PRE-STRESSED WITH 4mm² RUST PROTECTED 1550/1700MPa, STRESSED TO 75% OF THE UTS. (ULTIMATE TENSILE STRENGTH).
- 2.3. THE POSTS SHALL BE SPACED AT 20m CENTRE.
- 2.4. THE TOP OF THE POST SHALL BE ANGLED AT 45deg.
3. FALTS:
- 3.1. THE FALTS SHALL BE 24mm LONG WITH 10mm HOLES TO TAKE CARBARGE TYPE BOLTS.
- 3.2. THE BACK SECTION SHALL BE 100mm WIDE TAPERING TO THE FRONT TO 80mm.
- 3.3. THE FALTS SHALL BE PRE-STRESSED WITH 4mm² RUST PROTECTED 1550/1700MPa, STRESSED TO 75% OF THE UTS. (ULTIMATE TENSILE STRENGTH).
- 3.4. THE FALTS SHALL BE SPACED AT 4.200mm CENTRES.
4. RAIS:
- 4.1. THE RAIS SHALL BE 19mm LONG WITH 10mm HOLES TO TAKE CARBARGE 8mm TYPE BOLTS.
- 4.2. THE RAIS SHALL BE PRE-STRESSED WITH FOUR 4mm WIRES GRADED 1550/1700 MPa, STRESSED TO 75% OF THE UTS. (ULTIMATE TENSILE STRENGTH).
- 4.3. THE RAIS SHALL BE CUT AT SURFACE LEVEL.
5. BOLTS:
- 5.1. ALL BOLTS USED FOR THE ERECTION OF THE FENCE SHALL BE MILD STEEL.
6. ERECTION:
- 6.1. EACH POST SHALL BE EMBEDDED TO FULL DEPTH IN CONCRETE IN A HORIZONTAL HOLE OF AT LEAST 450mm x 450mm AND A DEPTH OF 700mm.
- 6.2. THE SIZES SPECIFIED IN para 6.1 ARE FOR RAIN SIZES AND IT MAY BE NECESSARY TO INCREASE THESE SIZES FOR SOFTER WEATHER SIZES.
- 6.3. THE CONCRETE SHALL BE A MINIMUM OF 15MPa AT 28 DAYS.

0	25/11/2022	ISSUED FOR TENDER		
NO	DATE	DETAILS	OWN	APPO

REVISIONS

CLIENT

LEPELLE NKUMPI LOCAL MUNICIPALITY

PRIVATE BAG X07
CHUENESPOORT
0745

TEL : (015) 633 4500
FAX : (015) 633 6896

SCALE			
AS SHOWN			
APPROVED			

PROJECT

MOTLAPADI WET LAND :FENCING

DRAINING DESCRIPTION

PALISADE FENCE

REV DRG. NO 1