CONSTRUCTION NOTES:
1. THERMAL CONDUCTIVITIES TO BE IN CONJUNCTION WITH SPECIFIC SUBSTATION ETG GENERAL ARRANGEMENT DRAWING.
2. DRAW CONDUCTIVITIES WITH SPECIFIC CIVIL WORKS SPECIFICATION, STANDARD SPECIFICATION FOR CONCRETE AND STANDARD SPECIFICATION FOR EXCAVATION.
3. FOOTINGS TO BE FOUND IN SOUND MATERIAL WITH MINIMUM SAFE BEARING CAPACITY >= 100 kN/m².

CONDUITS OF INSULATION:
1. ALL CONDUITS TO BE CLASS H07 PVC ELECTRICAL IN ACCORDANCE WITH AS 5000.
2. CONDUITS TO BE FITTED WITH ONE (1) 32mm (1⅜ inch) DIAMETER SYNTHETIC CABLE TUBE.
3. ALL CONDUITS TO BE SECURED WITH CABLE TIES / CONCRETE FUR.\n4. ALL CONDUITS TO HAVE 50mm MIN. PROJECTION ABOVE FIL OF CONCRETE.
5. ALL PACKS PLUS CONNECTORS TO BE 50mm MIN.
6. CONDUITS TO BE LOCATED AS DETERMINED ON FOUNDATION DRAWING OR AS FURTHER INSTRUCTIONS.
7. CONDUITS MAY BE INSTALLED IN DIFFERENT SIZE OF FOUNDING IF THE LAYOUTS PERMITTED.

CONCRETE:
1. SUPPLY & LAAY CONCRETE IN ACCORDANCE WITH AS 3600.
2. SUPPLY & LAAY WORKS AS PER DETAILED DOCUMENTATION TO FOLLOWING:
   - 300mm MIN. PAVING WORKS AT EAST SIDE, WEST SIDE, NORTH SIDE & SOUTH SIDE.
   - 300mm MIN. PAVING WORKS AT EAST SIDE, WEST SIDE, NORTH SIDE & SOUTH SIDE.
3. EXPOSED CONCRETE SURFACES TO BE CURED IN ACCORDANCE WITH AS 3600.
4. CONCRETE STRENGTH TO BE 28N.
5. CONCRETE SURFACES TO BE CUT OFF WITH CONCRETE CUTTING UNLESS OTHERWISE MOUNTED.
6. CONCRETE SURFACES TO BE CURVED IN ACCORDANCE WITH AS 3600.
7. CONCRETE SURFACES TO BE CURVED IN ACCORDANCE WITH AS 3600.
8. CONCRETE SURFACES TO BE CURVED IN ACCORDANCE WITH AS 3600.
9. CONCRETE SURFACES TO BE CURVED IN ACCORDANCE WITH AS 3600.
10. CONCRETE SURFACES TO BE CURVED IN ACCORDANCE WITH AS 3600.
11. CONCRETE SURFACES TO BE CURVED IN ACCORDANCE WITH AS 3600.
12. CONCRETE SURFACES TO BE CURVED IN ACCORDANCE WITH AS 3600.

H.D. BOLTS:
1. H.D. BOLTS TO BE CURVED IN ACCORDANCE WITH AS 5000.
2. H.D. BOLTS TO BE CURVED IN ACCORDANCE WITH AS 5000.
3. H.D. BOLTS TO BE CURVED IN ACCORDANCE WITH AS 5000.
4. H.D. BOLTS TO BE CURVED IN ACCORDANCE WITH AS 5000.
5. H.D. BOLTS TO BE CURVED IN ACCORDANCE WITH AS 5000.

ERGON ENERGY SUBSTATION STANDARD
CIVIL WORKS - FOOTINGS
33kV CURRENT TRANSFORMER SUPPORT PLANS, SECTIONS AND DETAILS

REFERENCE DRAWING
1. REFERENCE DRAWING ESS-10178-02
2. REFERENCE DRAWING ESS-10177-02

DESIGN WIND LOADS
AS PER AS 1170.1 & AS 1170.2
SEISMIC DESIGN CATEGORY 3
STORM CATEGORY C
SHELVING MULTIPLES: 3.0
HORIZONTAL MULTIPLES: 2.0
IMPERVIOUS LEVEL: 4

Ergon Energy
CONSTRUCTION LTD

Ergon Energy Substation Standard
CIVIL WORKS - FOOTINGS
33kV CURRENT TRANSFORMER SUPPORT
PLANS, SECTIONS AND DETAILS

CIVIL WORKS - FOOTINGS
33kV CURRENT TRANSFORMER SUPPORT
PLANS, SECTIONS AND DETAILS
CONSTRUCTION NOTES:
1. The drawings are to be used in conjunction with specific electrical site supervision, construction drawings, and equipment specifications. All equipment and materials shall be in accordance with the respective specifications.
2. All conduits and fittings shall be in accordance with the applicable codes and standards. All conduits shall be properly marked and labeled.
3. All conduits shall be properly supported and insulated.
4. All conduits shall be properly grounded as required by the applicable codes and standards.
5. All conduits shall be properly labeled and identified.

REVISION CONTROL:

REFERENCE DRAWINGS:

FOOTING PLAN VIEW

SECTION A

SECTION B

NOTE:

PLAN VIEW

DETAIL 'A'

SCALE 1:10

NOTE:

CONCRETE:

1. All concrete shall be used in accordance with ACI 318.
2. All reinforcing steel shall be in accordance with the applicable codes and standards.
3. All concrete shall be properly cured.
4. All concrete shall be properly protected from weathering.

WIND LOADS:

The drawing has been designed in accordance with AS1170.2 & CSA Standard 08.01.05. All wind pressures have been calculated in accordance with AS1170.2. The wind pressures are not to be used for design purposes, except where specifically indicated on the drawing.

CONTRACTOR:

ERGON ENERGY SUBSTATION STANDARD

CIVIL WORKS - FOOTINGS

33kV CIRCUIT BREAKER SUPPORT PLANS, SECTIONS AND DETAILS

ERGON ENERGY CONSULTING LTD

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