WARNING
BEWARE OF UNDERGROUND SERVICES.
The locations of underground services are approximate only and their exact position
should be proven on site. No guarantee is given that all existing services are shown.

NOTES:
1. All dimensions are in millimetres unless noted otherwise.
2. All steelwork shall be hot dip galvanised after fabrication of all
welded connections to avoid excessive rusting.
3. All concrete shall be cast in accordance with standard
requirements.
4. Details not specifically shown on the drawings shall be to
specifications unless otherwise noted on the manufacturer's drawings.
5. Plane cutting of galvanised post or rail is not permitted.

GUARDRAIL:
6. Refer to Australian Standard to design, fabricate and erect
guardrail, barriers and pedestrian railings.
8. Refer to the manufacturers' plans for details and dimensions
of accepted hand tested safety barrier infrastructure that may be
fitted to the guardrail.
9. Guardrail materials, design and specification
10. Refer to project drawings for length position, offset and terminals.
11. Hand tested and accepted terminals are used at both approach
and departure ends on one-way roads. Use half on the approach or
one-way road only.
12. The minimum length of steel beam barrier shall include
a & hand tested and accepted terminal at both ends for a two
way carriageway or
b. A hand tested and accepted terminal at the approach end
and a barrier designed for a one-way carriageway and a
minimum length of guardrail for the project technical
requirements.
13. Guardrail details shall be provided with hot and white glass
retractable meshing or galvanised fixed meshing in accordance
with AS1657.1:2007. Yellow reflectors on right
hand and one way road only. Reflectors are to be fixed at
an interval of 500mm and shall be attached to the
T-panel posts or bars within the guardrail structure.

14. Retractable meshing or galvanised fixed meshing in accordance
with AS1657.1:2007. Yellow reflectors on right
hand and one way road only. Reflectors are to be fixed at
an interval of 500mm and shall be attached to the
T-panel posts or bars within the guardrail structure.

15. Guardrail laps are to be in the direction of travel to avoid exposing
the end of the rail to vehicles.
16. Posts may be cast into the ground provided the ground
is not abrasive, slippery or uneven.
17. Posts must be cast in concrete to a height of 600mm over
the project length or more than the full span of
construction shall be replaced and re-installed using
suitable concrete as per the detail on the drawing.
18. Posts must be reamed and fitted with suitable
fittings and connector bars as per the drawings.

BITUMEN WORKS:
19. The height of the barrier shall be to the full height of the road
on steep or curved sections of the road.
20. Insertion of bar or mesh into the road surface shall
be avoided where possible.
21. Where mesh or bar is required, the mesh or bar
shall be applied to the road surface within the
guardrail area.