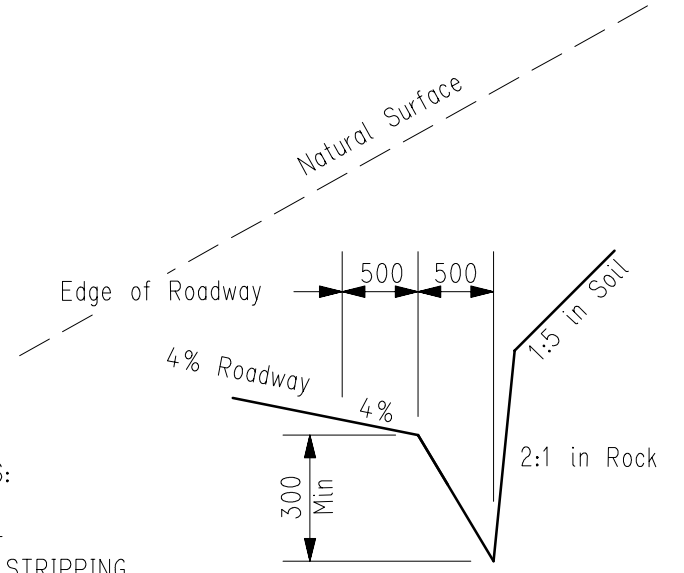
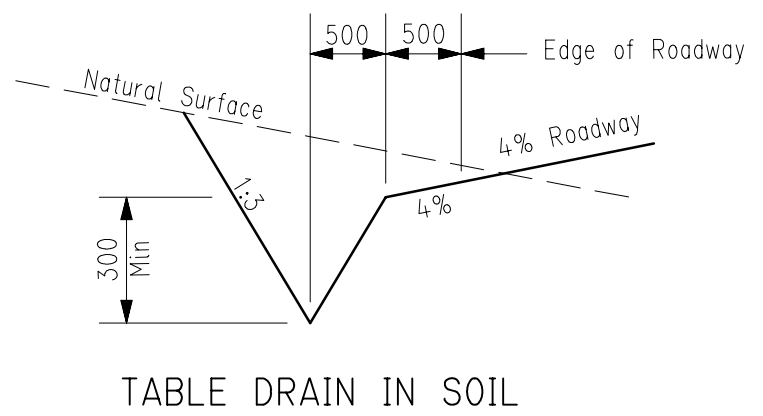
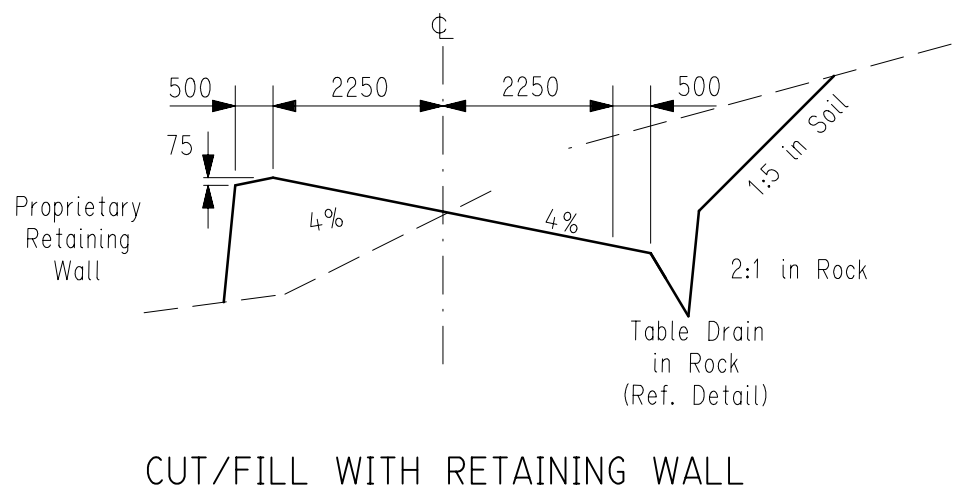
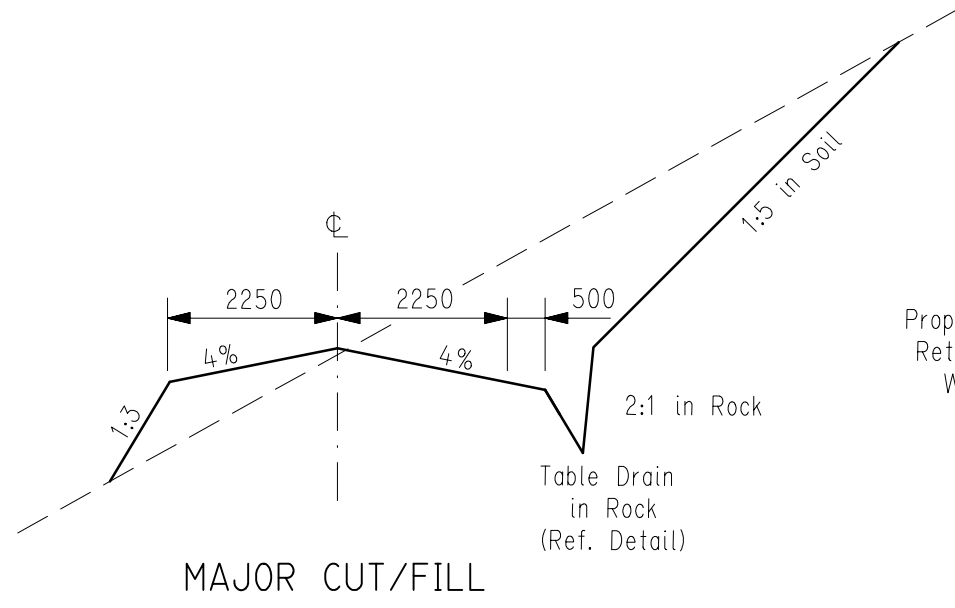
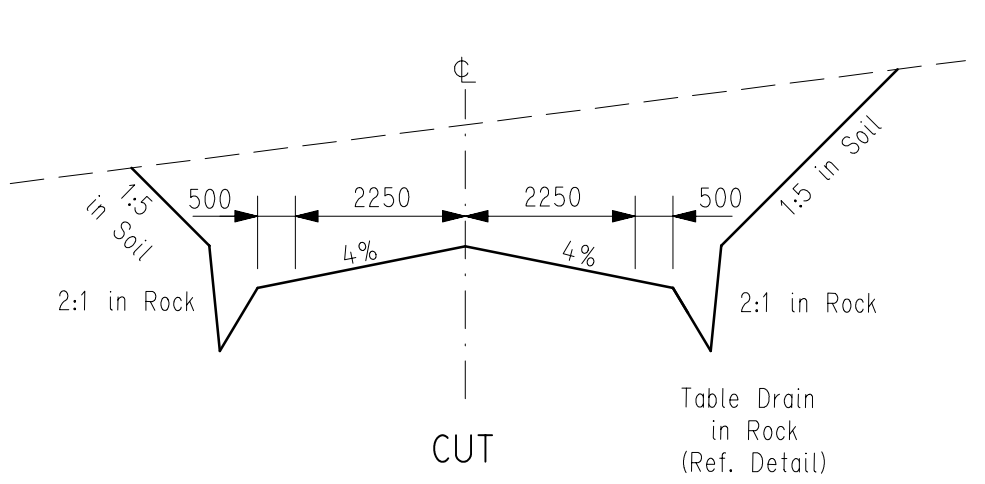
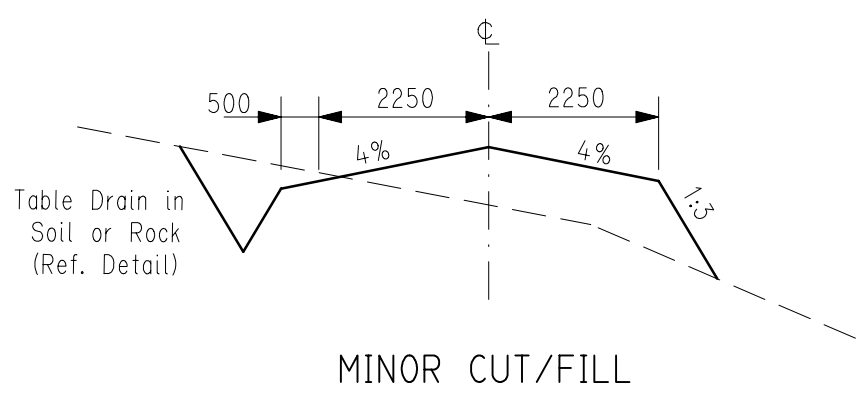
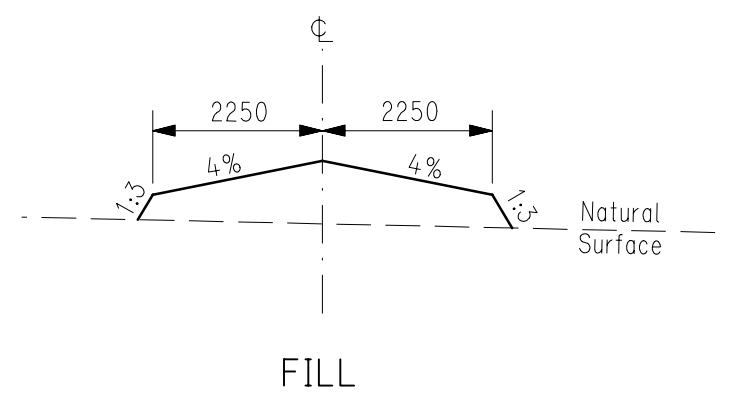


94-0163-12

ISSUED 6 Jan 97



NOTES:

1. The roadway widths shown are minimum requirements.
2. The maximum speed limit on access roadways shall be 15Kph. The Contractor shall erect at least two standard 15Kph Speed Limit signs along the access roadway:-
 - one sign at the start of the access roadway, clearly visible to all incoming traffic
 - another sign adjacent to the pumping station site, clearly visible to all departing traffic.
 Signs shall be Type R4-1 to AS 1743-1992 and installed to relevant Australian Standards.
3. Minimum radius of curvature of horizontal bends (including vehicle turning areas) shall be 8m to the inside edge of the roadway.
4. Maximum longitudinal gradient for an unsealed compacted rubble roadway shall be 10%. Steeper longitudinal gradients up to a maximum of 13% may be approved where:
 - the roadway is wider
 - horizontal bends have a greater radii of curvature than the minimum detailed above
 - the roadway is bitumen sealed or brick/block paved (Min 2.5% camber).

5. Vertical transition curves shall be provided between differing adjacent longitudinal gradients. Where this difference is 5% and greater, transition curves shall be a minimum of 6m long.
6. Guard rails may be required along sections of the roadway depending on the specific site. Where required, guard rails shall be hot dip galvanised steel ('Stratco Flexbeam Guardrail' or approved equivalent) supplied and installed to the manufacturer's specification and relevant Australian Standards. To accommodate guard rails, the roadway shall be at least 0.75m wider at those locations.

NOTE. Other approved vehicle containment barriers or devices (eg stone or masonry walls) can be used in lieu of proprietary galvanised steel guard rails.

REFERENCE DRAWINGS:

1. SCM page M2 for:-
 - * CLEARING AND STRIPPING
 - * EXCAVATION
 - * FILLING
 - * CUT/FILL BATTERS
 - * PAVING
2. SCM page M6 for vehicle turn-around area.

BD 94-0163 Plot 02b

Chg	Amendment - UPDATED 6-6-96	Des	JIS		R.M.Jones Group Manager 14 / 6 / 96 ENGINEERING SERVICES GROUP
Drn		Drn	C.S.		
Ckd		Exm			
Unit Ldr.		Unit Ldr.			

SOUTH AUSTRALIAN WATER CORPORATION

**SEWER CONSTRUCTION MANUAL PAGE M12
SEWAGE PUMPING STATION
ACCESS ROADWAY- TYPICAL CROSS
SECTION & DRAINAGE DETAILS**

Not to Scale

© This drawing is the property of the South Australian Water Corporation and shall not be copied without permission.

94-0163-12