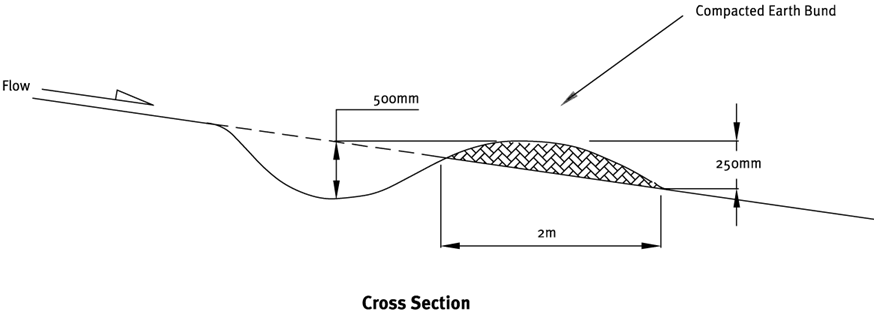
**Diversion Channel**

FIGURE1.1.2.tif

**Contour Drain**



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Contractor:  Inspector: | Date:  Time: | | | Consent #: | | | Site: |
| **Site Inspection of Erosion and Sediment Control Practices** | | | | | | | |
| **Erosion and Sediment Control Practice** | | **Yes** | **No** | | **N/A** | **Corrective Action** | |
| **General Information** | |  |  | |  |  | |
| Do you know what receiving system the project drains into | |  |  | |  |  | |
| Are you aware of local rainfall patterns during various times of the year | |  |  | |  |  | |
| Soil types and erosion potential for site | |  |  | |  |  | |
| Is a copy of the erosion and sediment control plan on site | |  |  | |  |  | |
| Is temporary fencing placed in areas where no construction is to take place | |  |  | |  |  | |
| **Construction** | |  |  | |  |  | |
| Contour drains | |  |  | |  |  | |
| Minimum compacted height is 250 mm | |  |  | |  |  | |
| Minimum depth of 500 mm | |  |  | |  |  | |
| Longitudinal grade < 2% w/out lining | |  |  | |  |  | |
| Catchment area < 0.5 ha | |  |  | |  |  | |
| Parabolic flow area and not V shaped | |  |  | |  |  | |
| Diversion channels and bunds | |  |  | |  |  | |
| Choose a route that avoids trees, services, fence lines or other natural or built features | |  |  | |  |  | |
| Channels shall be trapezoidal or parabolic in shape. | |  |  | |  |  | |
| Internal side slopes no steeper than 3:1  External side slopes no steeper than 2:1 | |  |  | |  |  | |
| Bunds shall be well compacted | |  |  | |  |  | |
| Outlets shall be stable and protected as needed | |  |  | |  |  | |
| Diversions shall be stabilised to prevent erosion | |  |  | |  |  | |
| **Maintenance** | |  |  | |  |  | |
| Contour drains | |  |  | |  |  | |
| Repair or reinstate drains if destroyed by equipment | |  |  | |  |  | |
| Inspect contour drains after rainfall and repair as necessary | |  |  | |  |  | |
| Check outfall for erosion and repair as needed | |  |  | |  |  | |
| Diversion channels and bunds | |  |  | |  |  | |
| Inspect weekly and after every rainfall and repair immediately | |  |  | |  |  | |
| Remove accumulated sediment | |  |  | |  |  | |
| Check inlets and outlets to ensure that these remain scour and erosion free | |  |  | |  |  | |
| Look for low spots where water can pond, formation of tunnel gullies and debris blockage | |  |  | |  |  | |
| Check for stabilisation cover | |  |  | |  |  | |
| Protect bunds from equipment damage | |  |  | |  |  | |
| **Decommissioning** | |  |  | |  |  | |
| Contour drains | |  |  | |  |  | |
| Spread bunded area and stablise | |  |  | |  |  | |
| Diversion channels and bunds | |  |  | |  |  | |
| Fill in channels and spread bunded area and stabilise | |  |  | |  |  | |