**Diversion Channel**



**Contour Drain**



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| --- | --- | --- | --- |
| 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 3:1External 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 |  |  |  |  |