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**Engineering Design Analysis:**

**Open Channel or Flow Applications**

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| --- | --- |
| **Date:** |  |
| **Project Name:** |  |
| **Project Location:** |  |
| **Engineer:** |  |

|  |  |
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| **Maximum Expected Flow** (cms) |  |
| **Maximum Expected Velocity** (mps) |  |
| **Channel Bed Slope** (%) |  |
| **Channel Side Slope** (Ratio) |  |
| **Type of Flow** (normal, overtopping, sub critical, hydraulic, jump, impinging, bridge/culvert, undulating trans critical) |  |
| **Bed Width** (m) bottom |  |
| **Alighnment** (straight, moderate, severe, extreme) |  |
| **Radius at the Crest** (m) |  |
| **Channel/Chute Length** (m.) |  |
| **Channel Depth** (m) |  |
| **Top Width of Channel** (m) |  |
| **Outlet Source** (river, manhole, etc.) |  |
| **Soil Type and Related Conditions** |  |