### GENERAL NOTES

1. U-type concrete endwall energy dissipators are intended for use outside the clear zone.

2. Chamfer all exposed edges.

3. Concrete shall be Class I, except ASTM C478 (4000 psi) concrete may be substituted for precast items manufactured in plants meeting the requirements of Section 449 of the Specifications.

4. Reinforcing steel shall have 2" min. cover.

5. Endwall to be paid for under the contract unit price for Class I Concrete (Endwall), CY and Reinforcing Steel (Roadway), LF. Riprap to be paid for under the contract unit price for Riprap (Sand-Cement) (Roadway), CY. Cost of plastic filter fabric to be included in the contract unit price for riprap.

6. Fencing, when called for in the plans, to be paid for under the contract unit price for Fencing, Type B, LF. See Index 350-002 for details of Type B fencing.

### Table: Dimensions

<table>
<thead>
<tr>
<th>Dia (in)</th>
<th>Area (SF)</th>
<th>O (Max) (cfs)</th>
<th>Feet</th>
<th>Inches</th>
<th>Concrrete Class I (CY)</th>
<th>Reinforcing Steel (lb)</th>
<th>Sand-Cement Riprap (nom) (CY)</th>
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<td>59</td>
<td>9.0</td>
<td>6.3</td>
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<td>205 13 12 8</td>
<td>51.88 51.42 55.5</td>
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</tr>
</tbody>
</table>

### Notes:
- Fill Slope: 1:3 (Typical)
- Slope of 1:1 When Called For
- **SECTION EE**
- Layer Of Plastic Filter Fabric (Cost To Be Included In Contract Unit Price For Riprap)
- Pipe Size: 30-72"
- Fill Slope Varies
- Max. Physical Pipe To Be 4:1
- Sta./Offset Location
- **PERSPECTIVE**
- Sand - Cement Riprap
- Fence Type B
- When Called For
- In Plans
- **PLAN**
- **REVISION**
- **E**
- **DESCRIPTION**
- **INDEX**
- **SHEET**
- **FY 2019-20**
- **FOOT 2019-20**
- **STANDARD PLANS**
- **ENERGY DISSIPATOR 50" TO 72" PIPE**