Slope Varies

Cl 3 or Cl 5 Aggregate Base Course

Proposed Top of Subgrade

2' + 0.5 O.D.

Varies

3.6' Max Wall Height

Embankment

Pipe

Geosynthetic Material Type R1

Aggregate Base Course Cl 3 or Cl 5

Embankment (Concrete) or Aggregate Base Course Cl 3 or Cl 5 (Metal and Plastic)

5' Maximum

Geosynthetic Material Type R1

Aggregate Base Course Cl 3 or Cl 5

Embankment (Concrete) or Aggregate Base Course Cl 3 or Cl 5 (Metal and Plastic)

Proposed Top of Subgrade at Roadway

3.5' Maximum

1.5:1 Wall Height

EXCAVATION DETAIL

INSTALLATION DETAIL

CROSS SECTION

NOTES:

1) This drawing applies to new/replaced mainline and paved intersection roadways (including ramps); it does not include pipes in approaches.
2) Embankment may be either Borrow Excavation or Common Excavation - Type A

Pay Items
1) Pipe
2) Geosynthetic Material Type R1
3) Removal of Pipe (if required)

*Included in Pipe Pay Item
1) Pipe
2) Trench excavation
3) Aggregate Base Course Cl 3 or Cl 5
4) Embankment

Backfill Dimensions

<table>
<thead>
<tr>
<th>Pipe Materials</th>
<th>Dimension (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>0.5 O.D.</td>
</tr>
<tr>
<td>Metal and Plastic</td>
<td>0.5 O.D. + 1 Foot</td>
</tr>
</tbody>
</table>