Trench Excavation
Removal of Pipe

Proposed Top of Subgrade
Cl 3 or Cl 5
Aggregate Base Course

CROSS SECTION
INSTALLATION DETAIL
EXCAVATION DETAIL

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
3) Embankment Material Type R1
4) Aggregate Base Course Cl 3 or Cl 5

Pay Items
1) Pipe
2) Geosynthetic Material Type R1
3) Removal of Pipe (if required)
*Included in Pipe Pay Items
4) Embankment
5) Aggregate Base Course Cl 3 or Cl 5

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>