TRANSVERSE MAINLINE PIPE INSTALLATION DETAIL FOR PIPES INSTALLED IN NEW EMBANKMENT AREAS

EXCAVATION DETAIL

INSTALLATION DETAIL

CROSS SECTION

NOTES:
1) This drawing applies to new/extended mainline and paved intersection roadway pipes only (including ramps). It does not include pipes in approaches.
2) Embankment may be either Borrow Excavation or Common Excavation - Type A.

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>

Pay Items
1) Pipe
2) Geosynthetic Material Type R1

Included in Pipe Pay Item
1) Pipe
2) Trench excavation
3) Aggregate base course Cl 3 or Cl 5
4) Embankment

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