SAEC MRTLE ENGGN
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SAEC MRTLE ENGGN

SECTION A-A

PAVED SIDE DITCH TYPE A THROUGH D

ISOMETRIC VIEW

SECTION B-B

PAVED SIDE DITCH TYPE E THROUGH H

ISOMETRIC VIEW

INDIANA DEPARTMENT OF TRANSPORTATION
PAVED SIDE DITCH
SECTIONS AND ISOMETRICS
SEPTEMBER 1997

STANDARD DRAWING NO. E 607-PSDT-02
DETAILS PLACED IN THIS FORM: 11-15-99

/s/ Anthony L. Drumond 11-15-99
DESIGN STANDARDS ENGINEER

/s/ Pirouz Sardari 11-15-99
CHIEF HIGHWAY ENGINEER
GENERAL NOTES

1. 1'-0" For Type E
   2'-0" For Type F
   3'-0" For Type G
   4'-0" For Type H

2. 3'-0" For Type E & F
   4'-0" For Type G & H

3. See Standard Drawing E 607-PSDT-02
   for Sections A-A and B-B.

ELEVATION VIEW

CUT-OFF WALL FOR PAVED SIDE DITCH TYPES E THROUGH H

401 x 9'-6"

ELEVATION VIEW

LUG FOR PAVED SIDE DITCH TYPES E THROUGH H
GENERAL NOTES

1. See Standard Drawing E 607-PSDT-02 for Sections A-A and B-B.


ELEVATION VIEW

CUT-OFF WALL FOR PAVED SIDE DITCH TYPES A THROUGH D

ELEVATION VIEW

LUG FOR PAVED SIDE DITCH TYPES A THROUGH D
GENERAL NOTES

1. The 61 sloped side shall be placed nearest the roadway.

2. Cut-off walls shall be used at the beginning and end of all paved side ditches.

3. Lugs shall be used at the following locations:
   a. 10 ft downslope from a grade change.
   b. 10 ft downslope from the intersection of different types of paved side ditches.
   c. At the downslope end of a transition between different types of paved side ditches.
   d. At the intervals as follows:

<table>
<thead>
<tr>
<th>Interval</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 ft</td>
<td>3% to 5%</td>
</tr>
<tr>
<td>150 ft</td>
<td>5% to 8%</td>
</tr>
<tr>
<td>100 ft</td>
<td>8% to 10%</td>
</tr>
<tr>
<td>50 ft</td>
<td>10% &amp; above</td>
</tr>
</tbody>
</table>

4. Paved side ditch transitions shall be required at intersections with earth ditches and pipe culverts. These transitions shall be converted to equivalent lengths of the type of paved side ditch specified at these locations.

5. Transitions of 10 ft or less shall be required between two different types of paved side ditches. Such transitions shall be converted to equivalent lengths of the larger type of paved side ditch specified at these locations.


GENERAL NOTES

1. See Standard Drawing E 607-PSDT-02 for Section B-B.

P.L.D. LUGS & SODDED DITCH DETAILS

SEPTEMBER 1997

STANDARD DRAWING NO. E 607-PSDT-08

DETAILS PLACED IN THIS FORMAT 7-27-99

IN INDIANA DEPARTMENT OF TRANSPORTATION

PSD LUGS & SODDED DITCH DETAILS

Paved side ditch

#4 x 5'-0 to be alternately bent upstream and downstream as shown.

PLAN VIEW OF LUG (TYPICAL FOR ALL TYPES)

SPECIAL 3' BOTTOM DITCH

(LOCATED BEYOND CLEAR ZONE)

SODDED DITCH DETAILS

DEPTH greater than 1'-0

SIDE NEAREST ROADWAY

Sodding

3'-0

4:1 SLOPE

3:1 SLOPE

Sodding

3'-0

4:1 SLOPE

SIDE NEAREST ROADWAY

Sodding

3'-0

4:1 SLOPE

3:1 SLOPE

Sodding

3'-0