## OPEN-TOP DRAIN

<table>
<thead>
<tr>
<th>TYPICAL ID</th>
<th>SPREED</th>
<th>PRESERVATIVE TYPE</th>
<th>ROCK***</th>
<th>SKEW</th>
<th>COMMENTS</th>
</tr>
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<tbody>
<tr>
<td>OTD-1</td>
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N/A WHEN NOT APPLICABLE

***FOR ROCK SPILLWAY SEE SHEET STD.923-10-01

### PLAN VIEW

- 11/16 dia holes at 5 foot maximum C to C
- 6 inch (typ)

### ELEVATION VIEW

- Ring Shank Spikes at 24 inches C to C
- 6 inch (typ)

### NOTES:
1. Compact backfill in 6 inch lifts until no visual displacement.

### PERSPECTIVE VIEW

- Embed 12 inches minimum
- Skew 30'-45'
- Extend 12 inches minimum

### TYPICAL SECTION

- Tread
- 4-inch backfill with suitable material
- Treated timber 3" x 8"
- 2 1/2" treated timber 3" x 12"
- (4) pipe spacer 3/4 diameter at each bolt
- 60d ring Shank Spikes
- (4) machine bolt with flat washer and hex nut 5/8-11nc x 11 lg

### PRESERVATIVE TREATMENT - (REFER TO ARPA USE CATEGORY SYSTEM)

<table>
<thead>
<tr>
<th>PRESERVATIVE TYPE</th>
<th>TREATMENT TYPE</th>
<th>USE CATEGORY</th>
<th>COMMENTS</th>
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<tbody>
<tr>
<td>P1</td>
<td>WB</td>
<td>UC4A</td>
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<tr>
<td>P2</td>
<td>WB</td>
<td>UC3B</td>
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</tr>
<tr>
<td>P3</td>
<td>WB</td>
<td>UC4A</td>
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- WB = WATERTONE
- OT = OIL-BORNE
- UC3B = ABOVE GROUND - EXPOSED
- UC4A = GROUND CONTACT - GENERAL USE
- UC4B = GROUND CONTACT - HEAVY DUTY

### TYPICAL DIAMETERS

- 6 inch (typ)
- 11/16 dia holes at 5 foot maximum C to C