



NOTES:

1. RIPRAP APRON REDUCES THE FLOW VELOCITY BELOW THE PERMISSIBLE VELOCITY OF THE NATURAL RECEIVING CHANNEL.

2. TRANSITION SIDE DIVERGENCE IS 1 IN 3F, WHERE

$F = \text{FROUDE NUMBER} = \frac{V}{\sqrt{gd}}$, WHERE

V = VELOCITY AT THE BEGINNING OF THE TRANSITION
 d = DEPTH OF FLOW AT THE BEGINNING OF THE TRANSITION
 g = 32.2 FT/SEC²

SOURCE: LOUISVILLE MSD



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PAVED CHANNEL OUTLET

STANDARD DRAWING NO. SMP-08-05

APPROVED BY: _____ DATE _____
 DIRECTOR OF ENGINEERING