



MAX. COVER HEIGHT			2' OF COVER OR LESS	
CLASS	TYPE 1	TYPE 4	CLASS	PIPE DIA.
III	25'	9'	V	12"-15"-18"
IV	38'	15'	IV	21"-24"
V	57'	23'	III	27" & LARGER

- ~ NOTES ~
- 10' MAXIMUM COVER HEIGHT FOR HORIZONTAL ELLIPTICAL CLASS HE III PIPE.
  - COVER HEIGHTS EXCEEDING THOSE SHOWN IN TABLES REQUIRE SPECIAL DESIGNS.
  - FOR TYPE 4 INSTALLATION PLACE EMBANKMENT MATERIAL ACCORDING TO SECTION 701.03.06A OF THE CURRENT SPEC. BOOK.
  - FOR TYPE I INSTALLATION, WHEN THE TOP OF PIPE IS NOT WITHIN ONE PIPE DIAMETER OF THE SUBGRADE, INSTALL ACCORDING TO SECTION 701.03.06A OF THE CURRENT SPEC. BOOK.

CIRCULAR

HORIZONTAL ELLIPTICAL

~ PIPE SHAPES ~

USE WITH CUR. STD. DWG.  
RDI-026

**KENTUCKY**  
**DEPARTMENT OF HIGHWAYS**

**PIPE BEDDING FOR**  
**CULVERTS, ENTRANCE,**  
**AND STORM SEWER**  
**REINFORCED CONC. PIPE**

STANDARD DRAWING NO. RDI-021-01

SUBMITTED *William P. Gullett* DATE 12-01-15  
DIRECTOR, DIVISION OF DESIGN

APPROVED *John* DATE 12-01-15  
STATE HIGHWAY ENGINEER

FOR TRENCH CONDITIONS