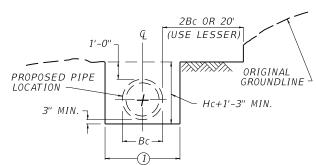


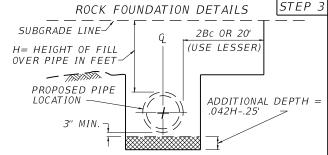
- a. IF THE ORIGINAL GROUNDLINE IS AT LEAST 1'-0" ABOVE TOP OF PROPOSED PIPE FOR WIDTH OF 2Bc OR 20' (WHICHEVER IS LESS) ON EACH SIDE OF THE PIPE, GO DIRECTLY TO "STEP 2".
- IF ORIGINAL GROUNDLINE IS NOT AT LEAST 1'-0" ABOVE TOP OF PROPOSED PIPE, COMPACT EMBANKMENT IN LAYERS OF 1'-0" OR LESS TO ELEVATION AND WIDTH SHOWN. MEET DENSITY REQUIREMENTS FOR PROPOSED EMBANKMENT .



STEP 2

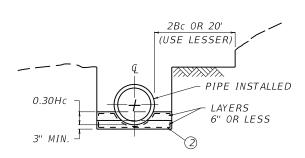
STEP 5

- a. EXCAVATE TO WITHIN 1'-0" ABOVE TOP OF PRO-POSED PIPE A WIDTH OF 2Bc OR 20' (USE LESSER) ON EACH SIDE OF PIPE.
- b. EXCAVATE TRENCH TO WIDTH AND DEPTH SHOWN.
- (1) Bc + 24" FOR PIPE 36" DIA. OR LESS. Bc + 48" FOR PIPE GREATER THAN 36" DIA.

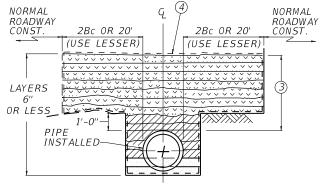


- a. IF ROCK FOUNDATION IS NOT ENCOUNTERED. GO DIRECTLY TO "STEP 4".
- IF ROCK FOUNDATION IS ENCOUNTERED, EXCAVATE TRENCH ADDITIONAL DEPTH USING FORMULA GIVEN. THIS ADDITIONAL DEPTH SSSSHALL BE A MIN. OF 4" AND SHALL NOT EXCEED 24"
- c. BACKFILL ADDITIONAL EXCAVATION AREA WITH COMPACTED BEDDING MATERIAL IN LAYERS 6" OR LESS.

STEP 4



- a. COMPACT BEDDING IN TRENCH IN LAYERS OF 6" OR LESS TO WIDTH AND ELEVATION SHOWN.
- b. EXCAVATE A GROOVE IN THE COMPACTED BEDDING TO CONFORM TO THE OUTSIDE OF THE PIPE. AFTER EXCA-VATION OF THE GROOVE, APPROXIMATELY 3" OF BEDDING SHOULD REMAIN BELOW THE OUTSIDE INVERT OF THE PIPE. THE CRADLE SHALL BE GAGED FOR SHAPE AND SLOPE BY STRIKING OR DRAWING A TEMPLATE THROUGH THE GROOVE IMMEDIATELY BEFORE PLACING EACH SECTION OF PIPE.
- c. INSTALL PIPE AT CORRECT ALIGNMENT AND ELEVATION. RECOMPACT ANY LOOSE BEDDING DISTURBED DURING INSTALLATION.
- (2) WRAP BEDDING MATERIAL IN GEOTEXTILE FABRIC WHEN THE STANDARD SPECIFICATIONS SPECIFIES.



- (3) 4'-0" REQUIRED FOR CONSTRUCTION LOADING IF COVER HEIGHT PERMITS.
- a. COMPACT REQUIRED BACKFILL MATERIAL IN LAYERS OF 6" OR LESS TO 1'-0" ABOVE TOP OF PIPE.
- b. COMPACT REQUIRED BACKFILL MATERIAL TO ELEV. (3) ABOVE TOP OF PIPE IN LAYERS OF 6" OR LESS.
- c. PROCEED WITH NORMAL ROADWAY CONSTRUCTION
- (4) WRAP BEDDING MATERIAL IN GEOTEXTILE FABRIC WHEN THE STANDARD SPECIFICATIONS SPECIFIES.

~ PIPE SHAPES ~



CIRCULAR



ELLIPTICAL



VERTICAL **ELLIPTICAL**

USE WITH CUR. STD. DWG. RDI-025

> KENTUCKY DEPARTMENT OF HIGHWAYS

PIPE BEDDING FOR CULVERTS, ENTRANCE AND STORM SEWER PIPE

STANDARD DRAWING NO. RDI-020-10 02-26-20

FOR TRENCH CONDITIONS