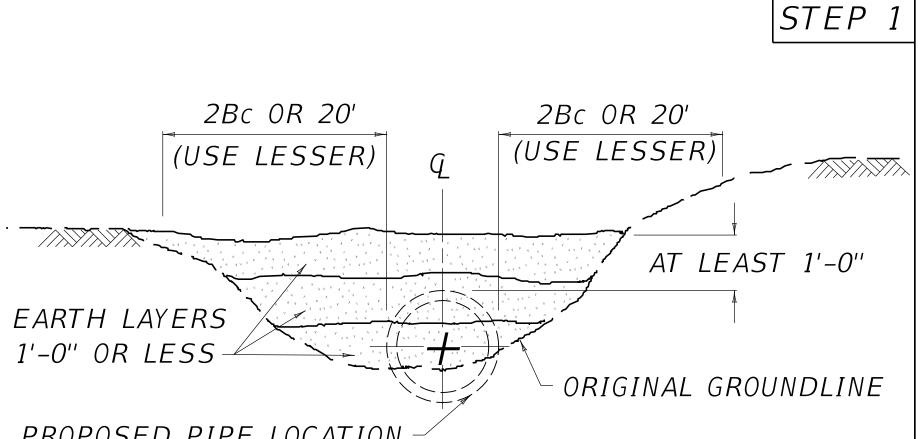


- a. IF ROCK FOUNDATION IS NOT ENCOUNTERED, GO DIRECTLY TO "STEP 4".
- b. IF ROCK FOUNDATION IS ENCOUNTERED, EXCAVATE TRENCH ADDITIONAL DEPTH USING FORMULA GIVEN. THIS ADDITIONAL DEPTH SSSHALL BE A MIN. OF 4" AND SHALL NOT EXCEED 24"
- c. BACKFILL ADDITIONAL EXCAVATION AREA WITH COMPACTED BEDDING MATERIAL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



- PROPOSED PIPE LOCATION
- 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".
- b. 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 .

b. EXCAVATE TRENCH TO WIDTH AND DEPTH SHOWN.

ON EACH SIDE OF PIPE.

1'-0''

PROPOSED PIPE

*3*" *MIN.* ¬

LOCATION

(1) Bc + 24" FOR PIPE 36" DIA. OR LESS. Bc + 48" FOR PIPE GREATER THAN 36" DIA.

–*Bc* →

a. EXCAVATE TO WITHIN 1'-0" ABOVE TOP OF PRO-

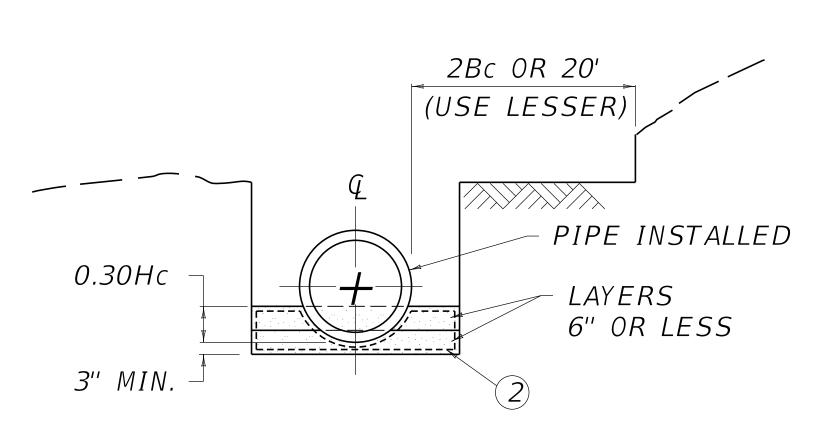
POSED PIPE A WIDTH OF 2Bc OR 20' (USE LESSER)

2Bc OR 20'

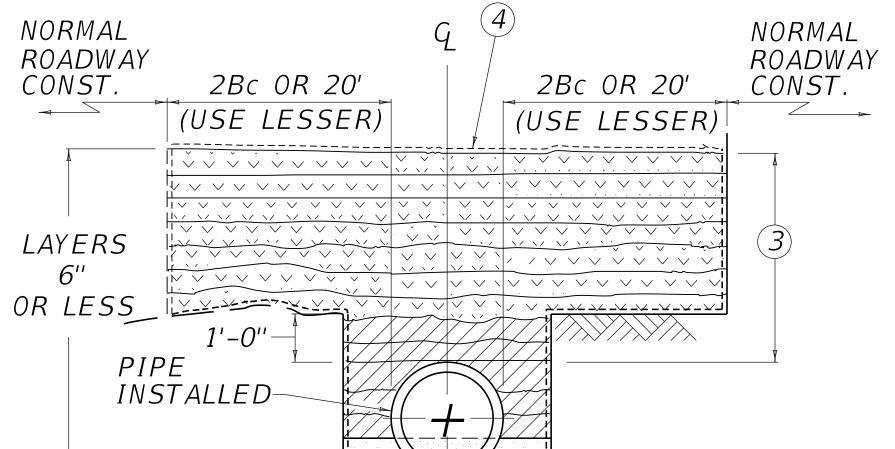
Hc+1'-3'' MIN.

(USE LESSER)

STEP 4

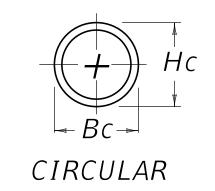


- a. COMPACT BEDDING IN TRENCH IN LAYERS OF 6" OR LESS TO WIDTH AND ELEVATION SHOWN.
- b. EXCAVATE A GROOVE IN THE COMPACTED BEDDING TO CONFORM TO THE OUTSIDE OF THE PIPE. AFTER EXCA-VATION OF THE GROOVE, APPROXIMATELY 3" OF BEDDING SHOULD REMAIN BELOW THE OUTSIDE INVERT OF THE PIPE. THE CRADLE SHALL 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.



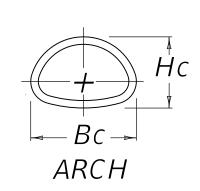
- 4'-0" REQUIRED FOR CONSTRUCTION LOADING IF COVER HEIGHT PERMITS.
- a. COMPACT REQUIRED BACKFILL MATERIAL IN LAYERS OF 6" OR LESS TO 1'-0" ABOVE TOP OF PIPE.
- b. COMPACT REQUIRED BACKFILL MATERIAL TO ELEV. (3) ABOVE TOP OF PIPE IN LAYERS OF 6" OR LESS.
- c. PROCEED WITH NORMAL ROADWAY CONSTRUCTION.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

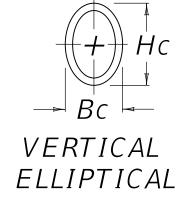
~ PIPE SHAPES ~



3" MIN.







USE WITH CUR. STD. DWG. RDI-025

FOR TRENCH CONDITIONS



OpenRoads Designer v23.00.01.11

COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS

PIPE BEDDING

PIPE BEDDING FOR CULVERTS, ENTRANCE AND STORM SEWER PIPE

STEP 5

STANDARD DRAWING NUMBER RDI-020-10