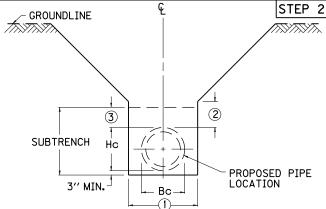


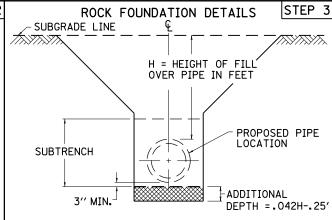
GREATER THAN HC ABOVE TOP OF PROPOSED PIPE.

NOTE:

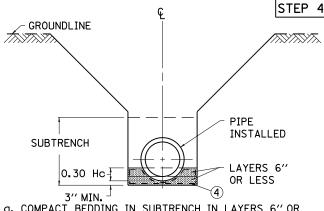
GROUNDLINE MAY BE (d) EXISTING OR ORIGINAL (b) EXCAVATED SURFACE OR (c) EMBANKMENT SURFACE.



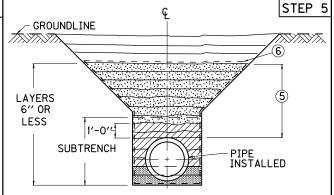
- a. EXCAVATE SUBTRENCH TO WIDTH AND DEPTH SHOWN.
- D. TRENCH WALLS MAY BE CONSTRUCTED VERTICAL. FOR ILLUSTRATION PURPOSES THE DETAIL DEPICTS A SLOPING WALL TRENCH. WHICHEVER METHOD IS USED, THE TRENCH WALLS SHALL REMAIN SYMMETRICAL ABOUT THE CENTERLINE OF THE PIPE.
- ① Bc + 24" FOR PIPE 36" DIA. OR LESS. Bc + 48" FOR PIPE GREATER THAN 36" DIA.
- (2) SLOPING OF TRENCH WALLS MAY BEGIN AT ANY ELEVATION GREATER THAN 1'-O" ABOVE TOP OF PIPE. THE SUBTRENCH SHALL ALWAYS BE REQUIRED.
- (3) 1'-0" MINIMUM TO HE MAXIMUM.



- G. 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 SSS SHALL BE A MIN. OF 4" AND SHALL NOT EXCEED 24"
- c. BACKFILL ADDITIONAL EXCAVATION AREA WITH COMPACTED BEDDING MATERIAL IN LAYERS 6" OR LESS.



- d. COMPACT BEDDING IN SUBTRENCH IN LAYERS 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 4" 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.
- WRAP BEDDING MATERIAL IN GEOTEXTILE FABRIC WHEN THE STANDARD SPECIFICATIONS SPECIFIES.



- (5) 4'-0" REQUIRED FOR CONSTRUCTION LOADING IF COVER HEIGHT PERMITS.
- a. COMPACT REQUIRED BACKFILL MATERIAL IN LAYERS 6" OR LESS TO 1'-0" ABOVE TOP OF PIPE.
- b.IN A UNIFORM SYMMETRICAL MANNER COMPACT REQUIRED BACKFILL MATERIAL TO ELEVATION (5) ABOVE TOP OF PIPE IN LAYERS OF 6" OR LESS.
- c. PROCEED WITH TRENCH BACKFILL IN A SYMMETRICAL MANNER IN LAYERS 1'-O'' OR LESS TO THE ORIGINAL GROUND AS DEFINED IN STEP 1.
- 6 WRAP BEDDING MATERIAL IN GEOTEXTILE FABRIC WHEN THE STANDARD SPECIFICATIONS SPECIFIES.



~ PIPE HC HORIZONTAL

ELLIPTICAL





NOTE:

FOR CLASSES AND GAGES OF PIPE SEE CURRENT STANDARD DRAWINGS RDI-OO! THRU RDI-OO8 AND RDI-OI! AND RDI-OI2.

KENTUCKY DEPARTMENT OF HIGHWAYS PIPE BEDDING

TRENCH CONDITION

> 12-2-02 DATE

STANDARD DRAWING NO. RDI-025-04

SUBMITTED STREET OF DIVISION OF DESIGN APPROVED STATE (HIGH PAY ENGINEER