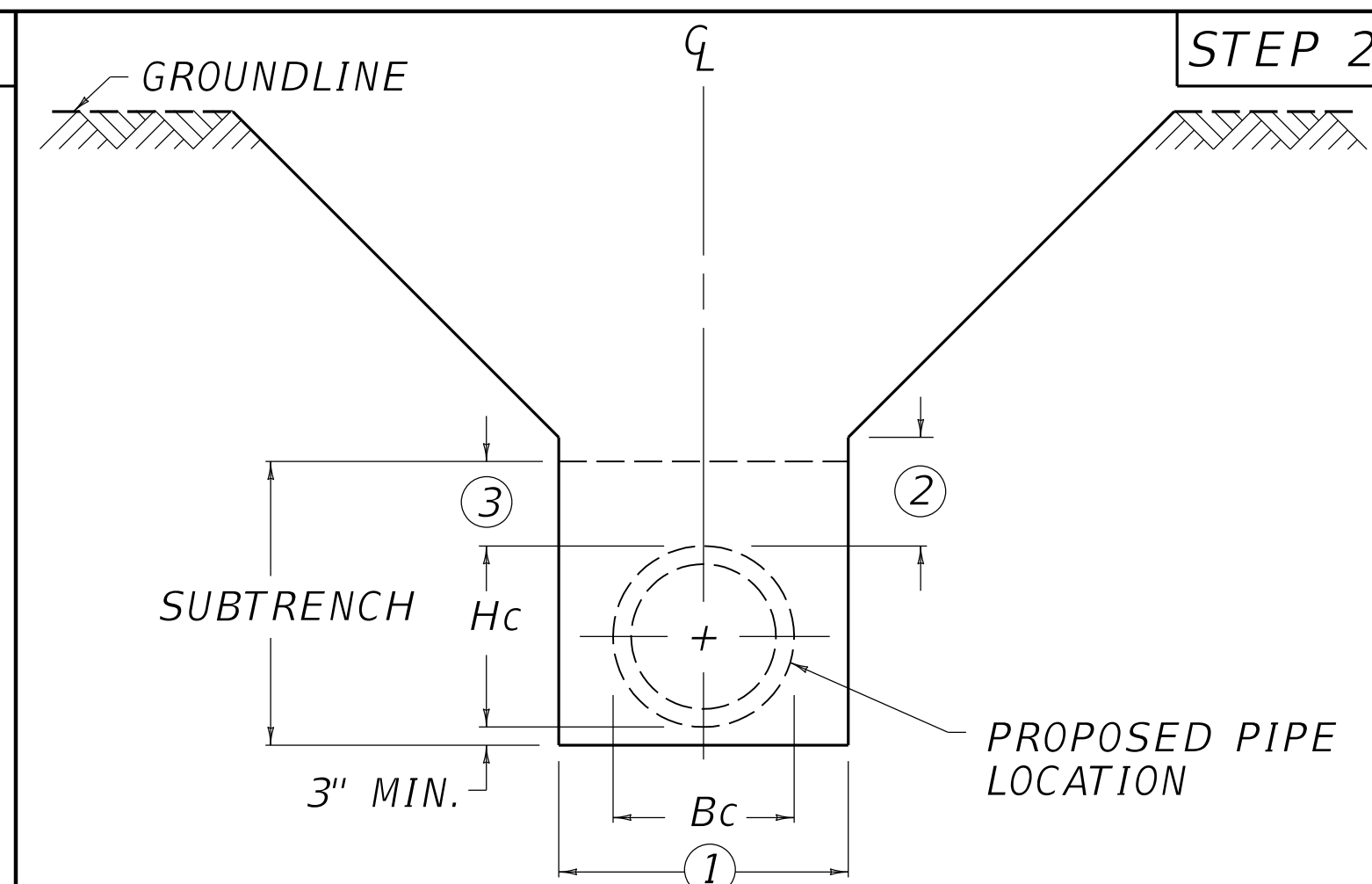
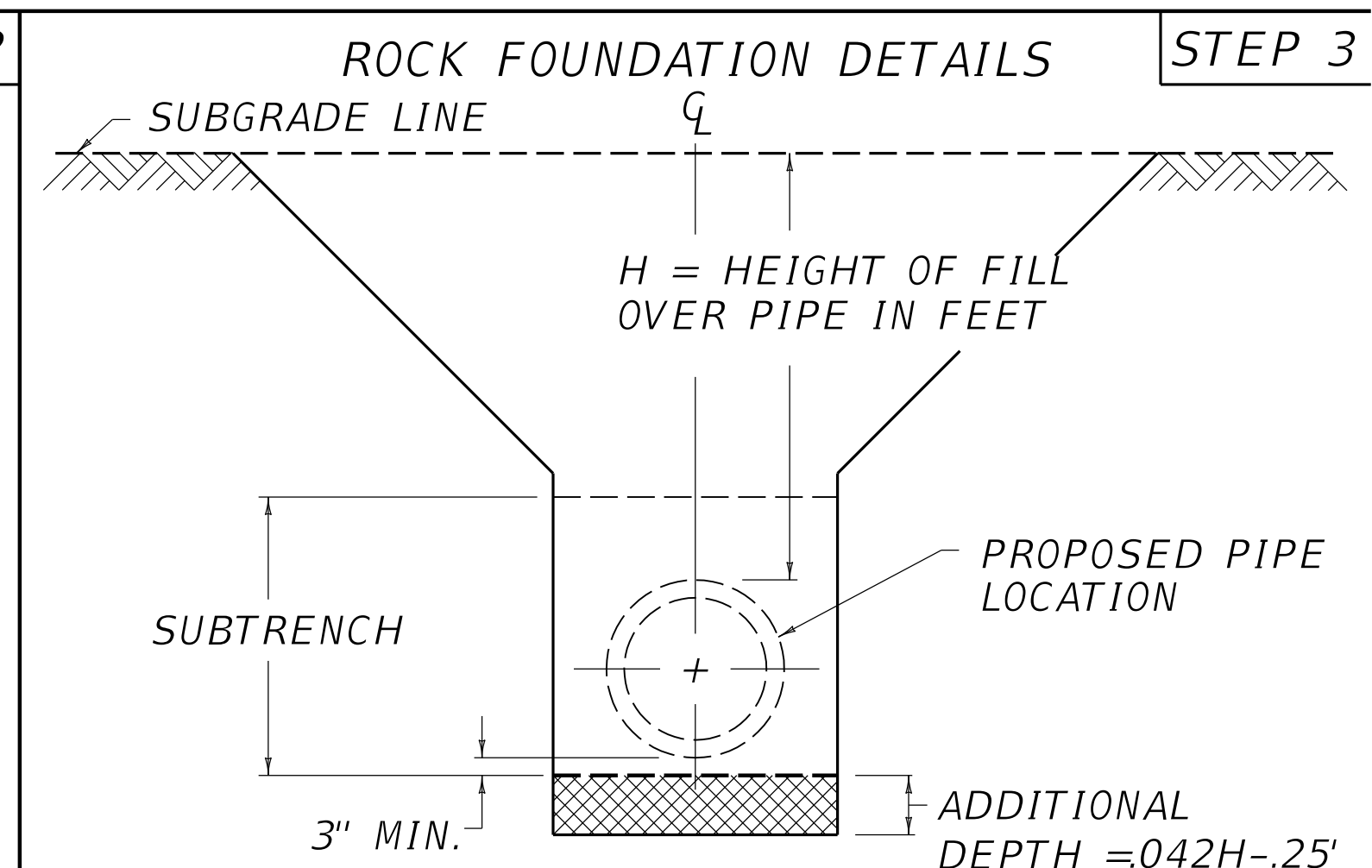


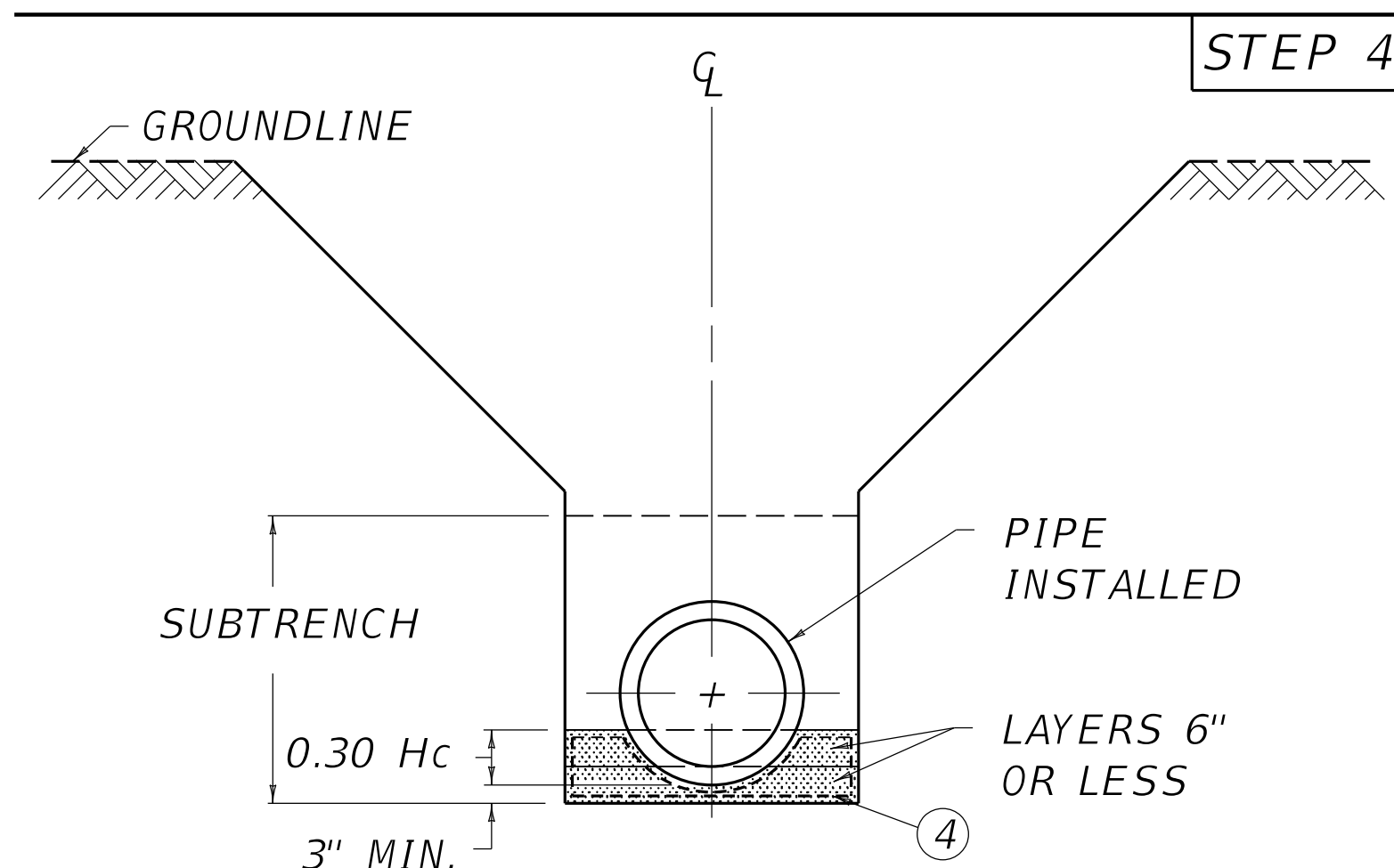
- TRENCH CONDITION IS WHEN GROUNDLINE ELEVATION IS GREATER THAN H_c ABOVE TOP OF PROPOSED PIPE.
- GROUNDLINE MAY BE (a) EXISTING OR ORIGINAL (b) EXCAVATED SURFACE OR (c) EMBANKMENT SURFACE.



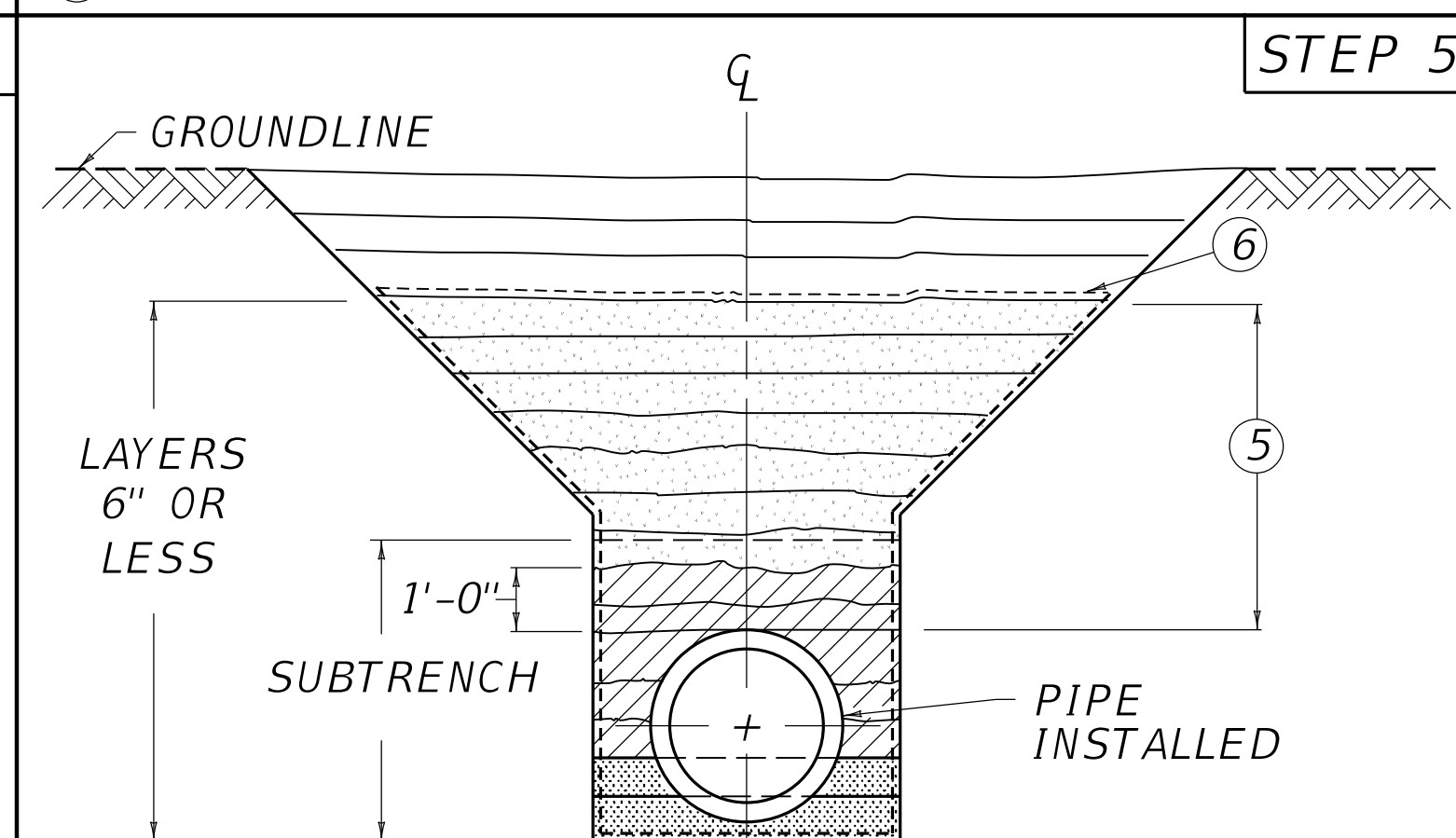
- EXCAVATE SUBTRENCH TO WIDTH AND DEPTH SHOWN.
- TRENCH WALLS MAY BE CONSTRUCTED VERTICAL. FOR ILLUSTRATION PURPOSES THE DETAIL DEPICTS A SLOPING WALL TRENCH. WHICHEVER METHOD IS USED, THE TRENCH WALLS SHALL REMAIN SYMMETRICAL ABOUT THE CENTERLINE OF THE PIPE.
- $B_c + 24"$ FOR PIPE 36" DIA. OR LESS.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



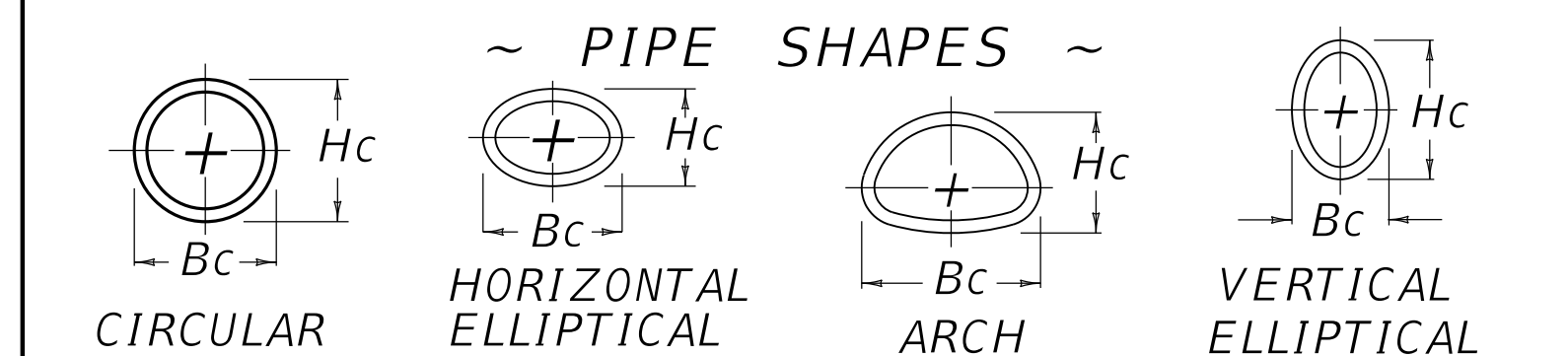
- IF ROCK FOUNDATION IS NOT ENCOUNTERED, GO DIRECTLY TO "STEP 4".
- IF ROCK FOUNDATION IS ENCOUNTERED, EXCAVATE TRENCH ADDITIONAL DEPTH USING FORMULA GIVEN. THIS ADDITIONAL DEPTH SHALL BE A MIN. OF 4" AND SHALL NOT EXCEED 24"
- BACKFILL ADDITIONAL EXCAVATION AREA WITH COMPACTED BEDDING MATERIAL IN LAYERS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



- COMPACT BEDDING IN SUBTRENCH IN LAYERS OF 6" OR LESS TO WIDTH AND ELEVATION SHOWN.
- EXCAVATE A GROOVE IN THE COMPACTED BEDDING TO CONFORM TO THE OUTSIDE OF THE PIPE. AFTER EXCAVATION 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.
- 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.



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



- ~ NOTE ~
- FOR CLASSES AND GAGES OF PIPE SEE CUR. STD. DWGS. RDI-001 THROUGH RDI-008 AND RDI-011 AND RDI-012.

USE WITH CUR. STD. DWGS.
RDI-001 RDI-008 RDI-011
RDI-012 RDI-020

REVISION DATE: 02/26/2020
REVISION NUMBER: 0

SUBMITTED: 02-26-2020 DATE
DIVISION DIRECTOR
APPROVED: 02-26-2020 DATE
STATE HIGHWAY ENGINEER

DRAINAGE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

PIPE BEDDING

PIPE BEDDING TRENCH CONDITION

STANDARD DRAWING NUMBER
RDI-025-06