ENCLOSE ENDS WITH 8" BRICK MASONRY
(WATERTIGHT GROUT AS REQUIRED)

STEEL SPIDERS

MECHANICAL JOINT OR SLIP JOINT D.I.P. CARRIER
MAIN PER AMERICAN RAILWAY ENGINEERS
ASSOCIATION (AREA) REQUIREMENTS

2" GALVANIZED VENT AT HIGH END OF CASING.
VENT TO HAVE INSECT SCREEN WELDED TO END.
VENT TO BE LOCATED AT RAILROAD R/W

GRADE

3.0'

DRAINAGE GRAVEL
(10 CU. FT. STONE)

3/4" WEEPHOLE AT LOW
POINT OF CASING

SLOPE TO DRAIN

ELEVATION

NOTES:
1. STEEL "SPIDERS" SHALL BE USED FOR SUPPORT OF THE CARRIER PIPE WITHIN THE
CASING PIPE. FOR RAILROAD CROSSINGS WITH IMPRESSED CURRENT OR WITH
ENCEASEMENT PIPES REQUIRING CATHODIC PROTECTION, STEEL SPIDERS WITH EPDM
OR COMPOSITE CONTACT SURFACES SHALL BE USED.
2. A MINIMUM SPACING OF 2 SPIDERS PER JOINT OF CARRIER PIPE SHALL BE
REQUIRED.
3. THE SPIDERS SHALL BE SPACED EVENLY ALONG THE CARRIER PIPE SUCH THAT
EACH SPIDER SUPPORTS THE SAME UNIT WEIGHT OF THE CARRIER MAIN.
4. THE PROPOSED ENCASEMENT PIPE & CARRIER PIPE SHALL
COMPLY WITH ALL APPLICABLE TOC & OTHER JURISDICTIONAL
REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
5. NO BLASTING ALLOWED IN RAILROAD RIGHT-OF-WAY.

END
ELEVATION

STEEL ENCASEMENT & CARRIER PIPE - UNDER RAILROAD

EFFECTIVE: 12/10/09

DETAIL No.
05000.03
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