



NOTES:

1. PRIOR TO COMPACTING THE BACKFILL AROUND THE PIPE, PRECAUTIONS SHOULD BE TAKEN TO WEIGHT THE PIPE TO PREVENT RAISING IT ABOVE THE DESIRED GRADE.
2. HAND COMPACTING OR MANUALLY DIRECTED POWER EQUIPMENT COMPACTION IS REQUIRED WITHIN AREAS A, B, & C. (MINIMUM WIDTH OF $D + 4$ FEET AND 2 FEET ABOVE THE CROWN OF THE PIPE)
3. BACKFILL MATERIAL:
 - ZONE A BACKFILL MATERIAL SHALL CONSIST OF 100% PASSING THE 1 INCH SIEVE, LESS THAN 25% PASSING THE $\frac{3}{8}$ INCH SIEVE AND LESS THAN 12% PASSING THE NO. 200 SIEVE, SUCH AS A GRAVEL OR A GRADED SAND (GW, GP, SW, SP) OR ANY GP-GM OR SP-SC SOIL.
 - ZONE B BACKFILL SHALL BE FREE OF STONES AND ROCKS GREATER THAN 1 INCH IN DIAMETER AND EARTH CLODS GREATER THAN 2 INCHES IN DIAMETER.
 - ZONE C MINIMUM HEIGHT IS 2 FEET ABOVE THE TOP OF THE PIPE. USE A SILTY OR A CLAYEY BACKFILL FREE OF STONES AND ROCKS GREATER THAN 3 INCHES IN DIAMETER.
4. COMPACT ZONE B & C FILL IN 4" LAYERS AT OPTIMUM MOISTURE CONTENT (OR SLIGHTLY HIGHER).

PIPE ENCASING DETAIL

CLIENT: _____
 COUNTY: _____

Designed _____ Date _____
 Drawn _____
 Checked _____
 Approved _____

File Name
 WI-210 C
 Date
 07/14
 Sheet of