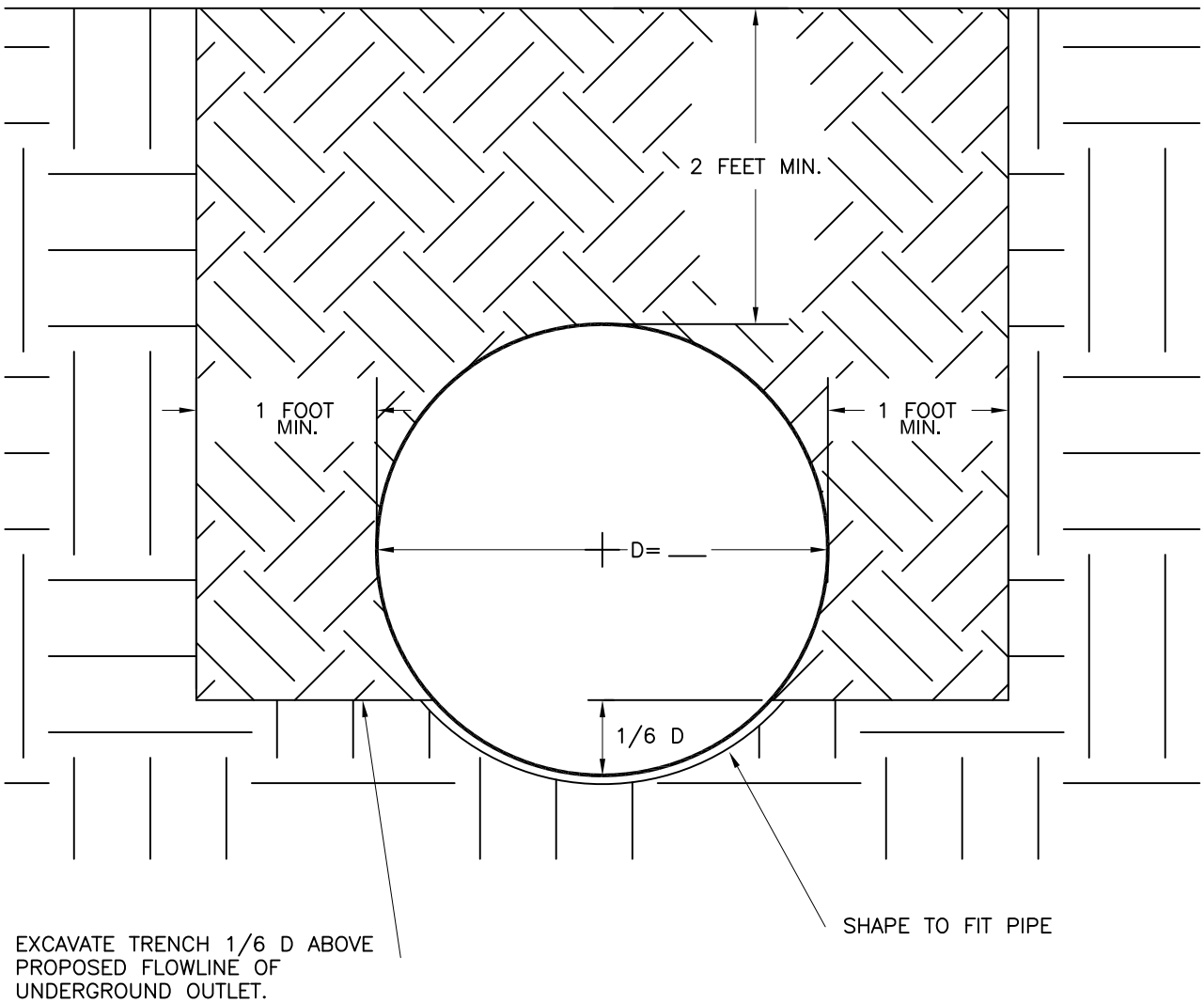

NOTES:

1. THE TRENCH SHALL HAVE A MINIMUM WIDTH OF D + 2 FEET TO PLACE AND COMPACT MATERIAL, AND SHALL BE DEEP ENOUGH TO ALLOW A MINIMUM OF 2 FEET OF BACKFILL ABOVE THE CROWN OF THE PIPE.
2. MAXIMUM BACKFILL PARTICLE SIZE IS LIMITED TO MATERIAL PASSING A 1.5 INCH SIEVE.
3. BEDDING FOR ANY UNDERGROUND OUTLET (UGO) IS A UNIFORM, SMOOTH SHAPED BEDDING GROOVE THAT CONFORMS CLOSELY TO THE LOWER PORTION OF THE UGO.
4. MATERIAL SHOULD BE CAREFULLY PLACED AND TAMPED INTO THE ENTIRE HAUNCH ZONE OF THE UGO UNIFORMLY, OVER THE WHOLE LENGTH OF THE UGO.
5. MATERIAL SHOULD NOT BE DUMPED ONTO THE UGO FROM THE TOP OF THE TRENCH. CHUTES OR OTHER MEANS SHOULD BE USED TO DIRECT OR DIVERT THE FLOW OF MATERIAL TO THE SIDES OF THE TRENCH AND TO PREVENT IMPACT ON THE PIPE. THE PIPE SHOULD BE STABILIZED BY MOUNDING MATERIAL AT INTERVALS ALONG ITS LENGTH, DURING PLACEMENT OF EMBEDMENT MATERIAL, OR BY OTHER SUITABLE MEANS.
6. HAND COMPACTION OR MANUALLY DIRECTED POWER EQUIPMENT SHALL NOT BE ALLOWED TO CONTACT THE UGO TO AVOID GOUGING, IMPACT, AND POSSIBLE EXCESSIVE DEFLECTION. THE REMAINDER OF THE BACKFILL SHOULD BE COMPACTED IN APPROPRIATE LIFT THICKNESS. MATERIAL AT THE SIDES OF THE UGO SHOULD BE COMPACTED BEFORE COMPACTING MATERIAL LYING DIRECTLY ABOVE THE UGO, AND THIS MATERIAL SHOULD NOT BE MECHANICALLY COMPACTED UNTIL SUFFICIENT COVER IS PROVIDED. (2 FEET MINIMUM)

USDA United States Department of Agriculture Natural Resources Conservation Service	UNDERGROUND OUTLET DETAIL CLIENT: COUNTY:	Date Designed Drawn Checked Approved	File Name: WI-210D Date: 07/14 Sheet of