ROCK SECTION

UNDISTURBED GROUND SECTION

BACKFILL MATERIALS FOR UTILITIES TRENCHES SHALL BE AS DEFINED IN THE SPECIAL PROVISIONS. WHERE BACKFILL IS NOT SPECIFIED, IT SHALL BE SELECT GRANULAR BACKFILL MNDOT SPEC. #2451, 3149.20 (7% MOD.) WITHIN THE ROADWAY AND SUITABLE ON-SITE MATERIAL OUTSIDE OF THE ROADWAY SECTION. BACKFILL WITH SUITABLE ON SITE MATERIAL IS CONSIDERED INCIDENTAL TO UTILITY INSTALLATION.

MIN. TOTAL PAY WIDTH IN ROCK WILL BE 48".
MAX. TOTAL PAY WIDTH IN ROCK FOR 12" AND LARGER PIPES SHALL BE THE OUTSIDE PIPE DIA. PLUS 36".

COARSE FILTER AGGREGATE SPEC. #2451, 3149.2H INCIDENTAL TO PIPE.
INITIAL 12" OF PIPE COVER, HAUNCHING AND BEDDING MUST EXTEND TO THE TRENCH WALL AND BE COMPACTED TO 95% PROCTOR.

SUBGRADE OR SURFACE

8" MAXIMUM PAY WIDTH FOR ALL PIPE

TRENCH BOX OR SHORING

12" MIN.

18" MIN.

6" MIN.

STRUCTURE EXCAVATION CLASS R PAY LIMITS (SEE NOTE)

NOTES:
1. TRENCH STABILIZATION MATERIAL MAY BE USED IN AREAS AS DETERMINED BY THE ENGINEER.
2. A MIN. OF 1 CU. YD. OF STRUCTURE EXCAVATION, CLASS R, WILL BE PAID FOR EVERY 10' OF PIPE WHERE ROCK REMOVAL IS REQUIRED.
4. WHERE UTILITIES ARE INSTALLED IN ROCK TRENCHES OUTSIDE OF THE ROADWAY, THE CONTRACTOR SHALL PROVIDE common borrow material TO SUPPLEMENT SUITABLE ON SITE BACKFILL MATERIALS AS NECESSARY. common borrow material IS INCIDENTAL TO STRUCTURE EXCAVATION, CLASS R. REFER TO SPECIFICATIONS FOR restrictions ON common borrow MATERIALS.

EX-3 PVC AND CORRUGATED POLYETHYLENE SEWER PIPE BEDDING DETAIL

CERTIFIED BY: THOMAS A. JOHNSON
REINFORCED NO.: 46744

SIGNATURE: ______________________
DATE: ______________________

108TH AVE WEST CULVERT REPLACEMENT
DRAWN BY: KLB
NOTES

CITY PROJECT NO.: 1280
STATE AID PROJECT NO.: SHEET NO. 2 OF 3