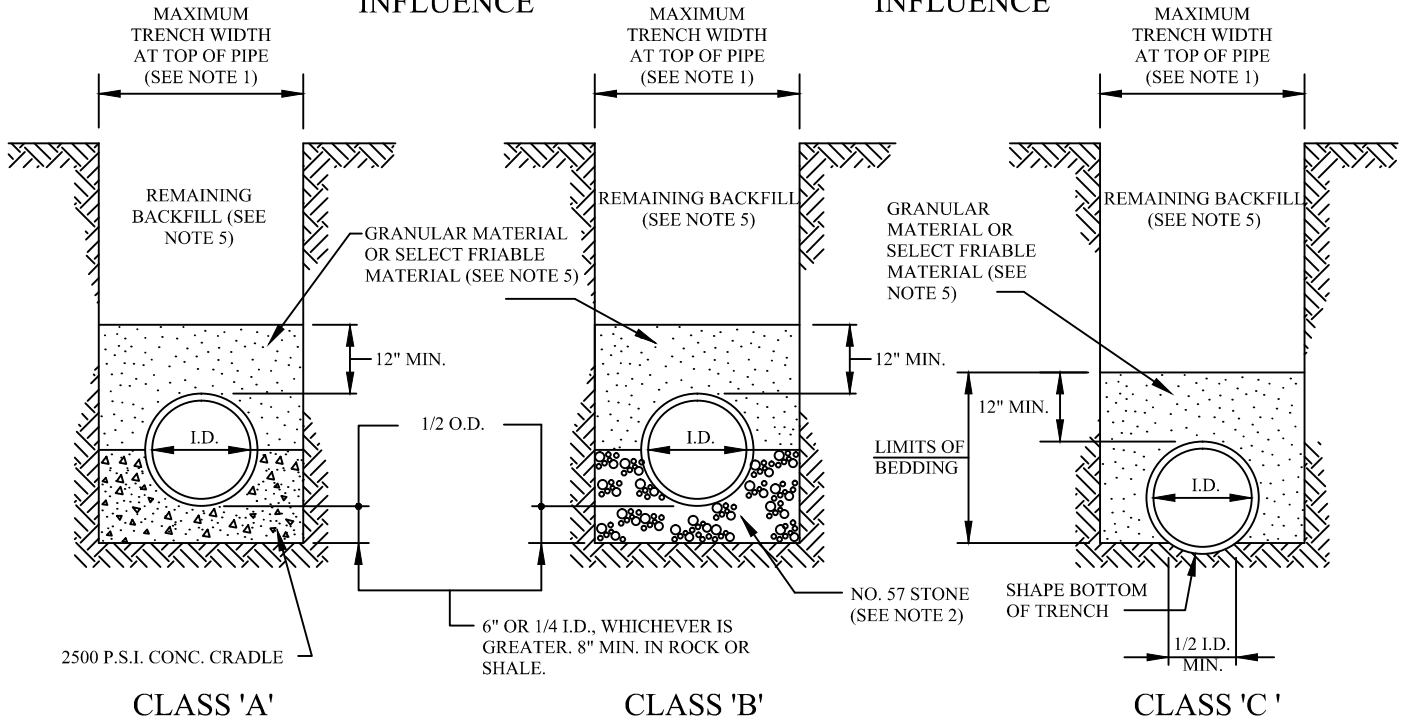


**PARALLEL ZONE OF INFLUENCE**

**TRANSVERSE ZONE OF INFLUENCE**



**NOTES:**

1. MAXIMUM TRENCH WIDTH AT TOP OF PIPE SHALL BE O.D.+ 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D.; O.D.+ 30" FOR PIPE LARGER THAN 24" I.D. TO 54" I.D. AND O.D.+ 48" FOR PIPE SIZES 60" AND OVER.
2. PIPE BEDDING SHALL BE NO. 57 CRUSHED LIMESTONE FOR CLASS "B" BEDDING.
3. ALL BEDDING SHALL BE CLASS 'B' UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. CLASS 'A' BEDDING SHALL BE USED FOR ALL PIPE UNDER PAVED AREAS WITH LESS THAN 18" COVER TO PAVEMENT SUBGRADE.
4. WATERLINE OR FORCE MAIN BEDDING SHALL BE CLASS 'C'.
- 5 a) PIPE BACKFILL UNDER PAVEMENT, STRUCTURES OR WITHIN A 1:1 ZONE OF INFLUENCE PARALLEL OR TRANSVERSE TO PAVEMENT AND STRUCTURES SHALL BE NO. 57 CRUSHED LIMESTONE TO 12" ABOVE TOP OF PIPE. REMAINING TRENCH BACKFILL UNDER PAVEMENT AND STRUCTURES OR WITHIN A 1:1 ZONE OF INFLUENCE PARALLEL OR TRANSVERSE TO PAVEMENT AND STRUCTURES SHALL BE O.D.O.T. ITEM 304 CRUSHED LIMESTONE, TO TOP OF TRENCH. BACKFILL SHALL BE TAMPED IN 12" LIFTS COMPACTED TO 98% MAXIMUM DRY DENSITY PER STANDARD PROCTOR (ASTM D698).
- 5b) IN AREAS OUTSIDE PAVEMENT, STRUCTURES OR THE 1:1 ZONE OF INFLUENCE, SELECT FRIABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER MAY BE USED FOR R.C.P. AND D.I.P.; NO. 57 CRUSHED LIMESTONE SHALL BE USED FOR THERMOPLASTIC PIPE TO 12" ABOVE TOP OF PIPE. FOR REMAINDER OF TRENCH BACKFILL, SELECT FRIABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER MAY BE USED. BACKFILL SHALL BE TAMPED IN 12" LIFTS COMPACTED TO 98% MAXIMUM DRY DENSITY PER STANDARD PROCTOR (ASTM D698).
6. SLAG SHALL NOT BE USED FOR BEDDING OR BACKFILL.
7. CLAY DAMS SHALL BE REQUIRED WHEN AND WHERE NECESSARY PER PLAN OR AS DIRECTED BY THE ENGINEER.
8. ALL UTILITY CROSSINGS UNDER THE PROPOSED SEWER SHALL BE PROPERLY BACKFILLED PER CITY STANDARDS.

<p><b>CITY OF SOLON ENGINEERING DEPARTMENT</b></p>	<p><b>STANDARD DETAIL</b></p>	<p><b>TRENCH &amp; BEDDING DETAILS</b></p>
		<p><b>SA-5</b></p>