SHEAR GUARD SUBMITTAL SHEET

1.0 **Shear Guard Couplings (4" – 12")** Indiana Seal Shear Guard coupling supports manufactured by Indiana Seal are produced from rigid PVC compounds with a minimum cell class 12454 as stated in ASTM D 1784.

2.0 **Indiana Seal Flexible Transition Couplings** Shall be manufactured from elastomeric materials that comply with the applicable requirements of ASTM C 1173.

3.0 **Stainless Steel Hose Clamps** Indiana Seal hose clamps are constructed of series 300 premium grade stainless steel, including the housing and screw to insure a positive seal. The clamps shall be tested to withstand the required minimum torque of 60 in-lbs as defined in ASTM C 1173.

4.0 **Purpose** The purpose of Indiana Seal Shear Guard kits is to provide unshielded flexible transition couplings protection from shear failure and piping offsets. The Shear Guard couplings provide improved pipe alignment.

5.0 **Deflection Testing** The shear guard coupling assembly shall be hydrostatically pressurized to 4.3 psi. One pipe shall be rigidly supported with the opposite end raised 1" per lineal foot of pipe. The pressure shall be maintained for 5 minutes and leakage shall not be permitted

6.0 **Shear Testing** The shear guard coupling assembly shall be subjected to a load of 100 pounds per inch of nominal diameter, applied to non-supported pipe 6" (maximum) from the edge of the coupling. There shall be no visible leakage or displacement of more than 3/8" from true alignment when an internal pressure of 4.3 psi is applied.

7.0 **Marking** Shear Guard Couplings are marked with the manufacturers name or trademark the type and size of pipe for which the coupling is intended.

8.0 The **material** used to manufacture these same couplings is elastomeric Polyvinyl Chloride that complies with the applicable standards of ASTM C 1173 and the couplings have a maximum recommended non-consistent operating temperature of 140 F.