



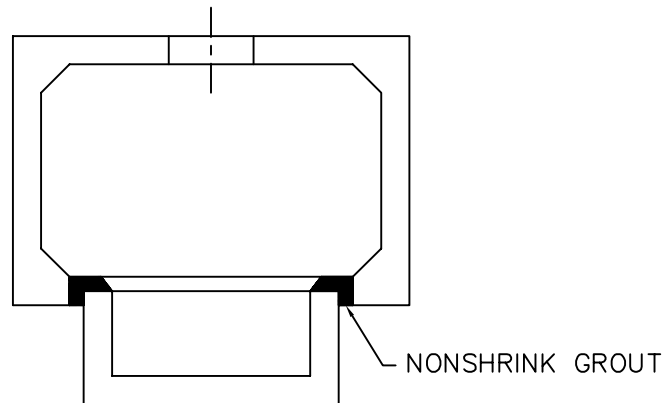
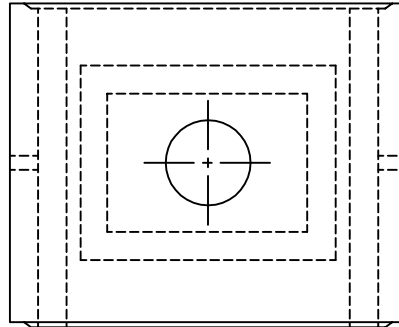
KISTNER CONCRETE  
PRODUCTS INC.  
8713 READ ROAD  
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14056  
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PRODUCT DESIGNATION

DWG. NO.

BOX CULVERT – WITH SUMPS

BC-S



SUMPS – WHEN LENGTH OF RUN, VELOCITY, AND AMOUNT OF SUSPENDED MATERIAL IN THE LIQUID ARE SUCH THAT SETTLING WILL BE A PROBLEM, SUMPS ARE OFTEN USED. USING SUMPS, SUCH AS THE ONE SHOWN, REDUCES VELOCITY AND ALLOWS MATERIAL TO SETTLE. A MANHOLE SHOULD BE BROUGHT TO GRADE AT THE LOCATION OF EACH SUMP TO OFFER ACCESSIBILITY FOR INSPECTION AND CLEANING.