



THE NOMOGRAPH SHOWN ON THIS PAGE MAY BE USED TO COMPUTE THE SPECIFICATION TIME EVEN IF SEVERAL DIFFERENT PIPE DIAMETERS ARE INCLUDED IN ONE TEST. DRAW A STRAIGHT LINE CONNECTING THE DIAMETER ON THE "d" SCALE WITH THE CORRESPONDING LENGTH OF PIPE OF THAT DIAMETER UNDER TEST ON THE "L" SCALE. EACH LINE WILL CROSS THE "K" AND "C" SCALES. THE CORRESPONDING VALUES OF "K" AND "C" FOR EACH DIAMETER - LENGTH COMBINATION UNDER TEST ARE READ AND RECORDED. ALL THE "K" VALUES ARE TOTALED, AS ARE THE "C" VALUES. TOTAL "K" GOVERNS IF THE TOTAL OF "C" IS LESS THAN 1.0 IN WHICH CASE, TOTAL "K" VALUE EQUALS THE TIME IN SECONDS THAT THE PIPELINE UNDER TEST SHOULD TAKE BEFORE THE PRESSURE FALLS FROM 3.5 TO 2.5 psig. IF TOTAL "C" IS GREATER THAN 1.0, TOTAL "K" IS DIVIDED BY TOTAL "C" TO OBTAIN THE SPECIFICATION TIME IN SECONDS.

NOTE: THIS NOMOGRAPH IS APPLICABLE TO PIPE TEST SECTION LENGTHS WITHIN THE LIMITS SPECIFIED IN SECTION 02722.3.3.3.2 OF THE SPECIFICATIONS. FOR TEST LENGTHS BEYOND THE SPECIFIED LIMITS, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

DETAIL NO.:
BSWSD:
27-05

**BIG SKY WSD 363
STANDARD DRAWING**

SCALE:
NONE

**NOMOGRAPH FOR AIR
TESTING GRAVITY SEWER
MAINS**

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LAST REVISION: DECEMBER 1995
CROSS REFERENCE WITH: MPW: 02730-1