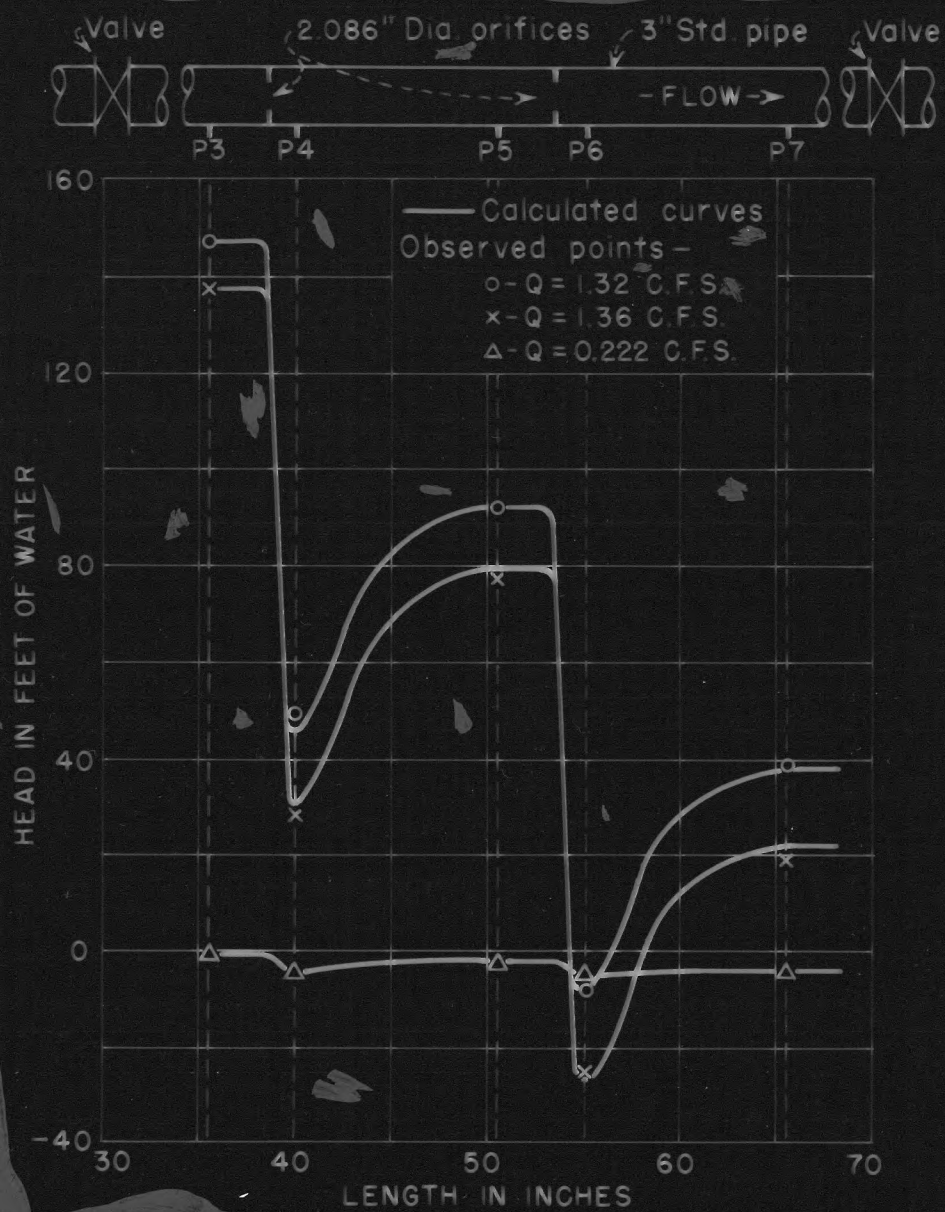


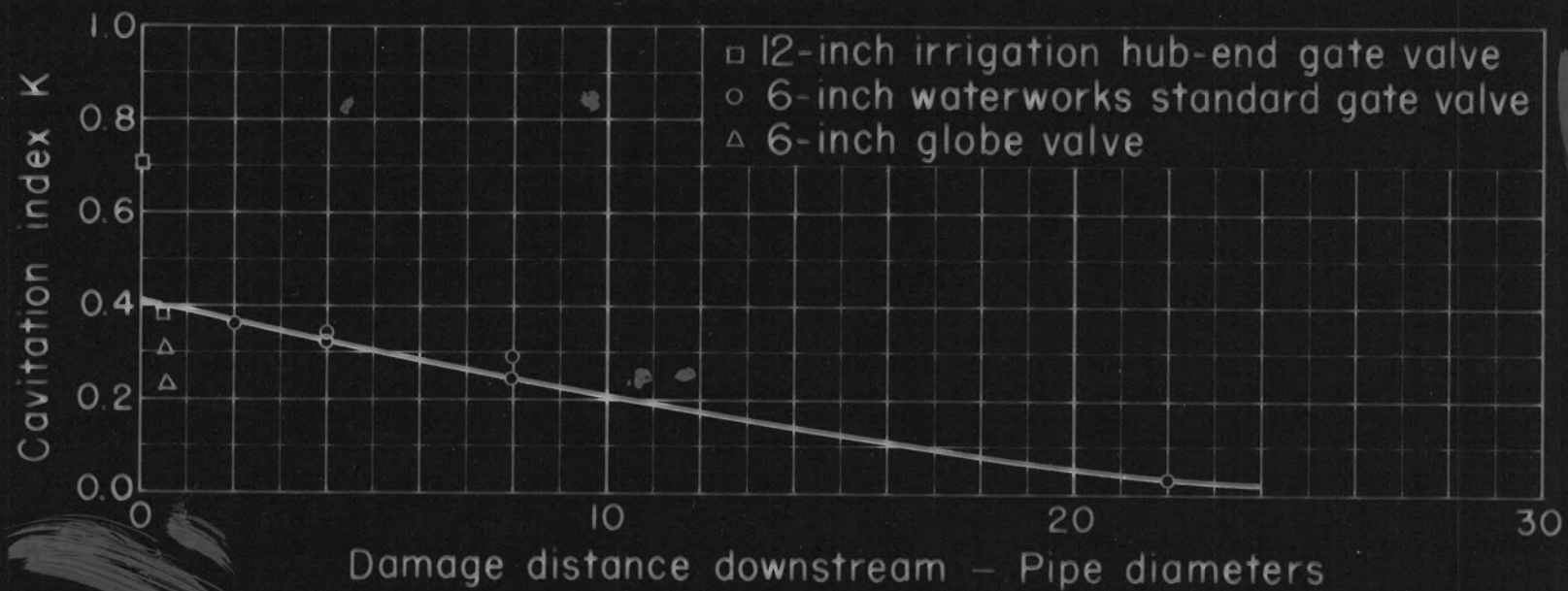


HYDRAULIC GRADIENT FOR ORIFICES
IN TANDEM IN PIPELINES

FIGURE 10

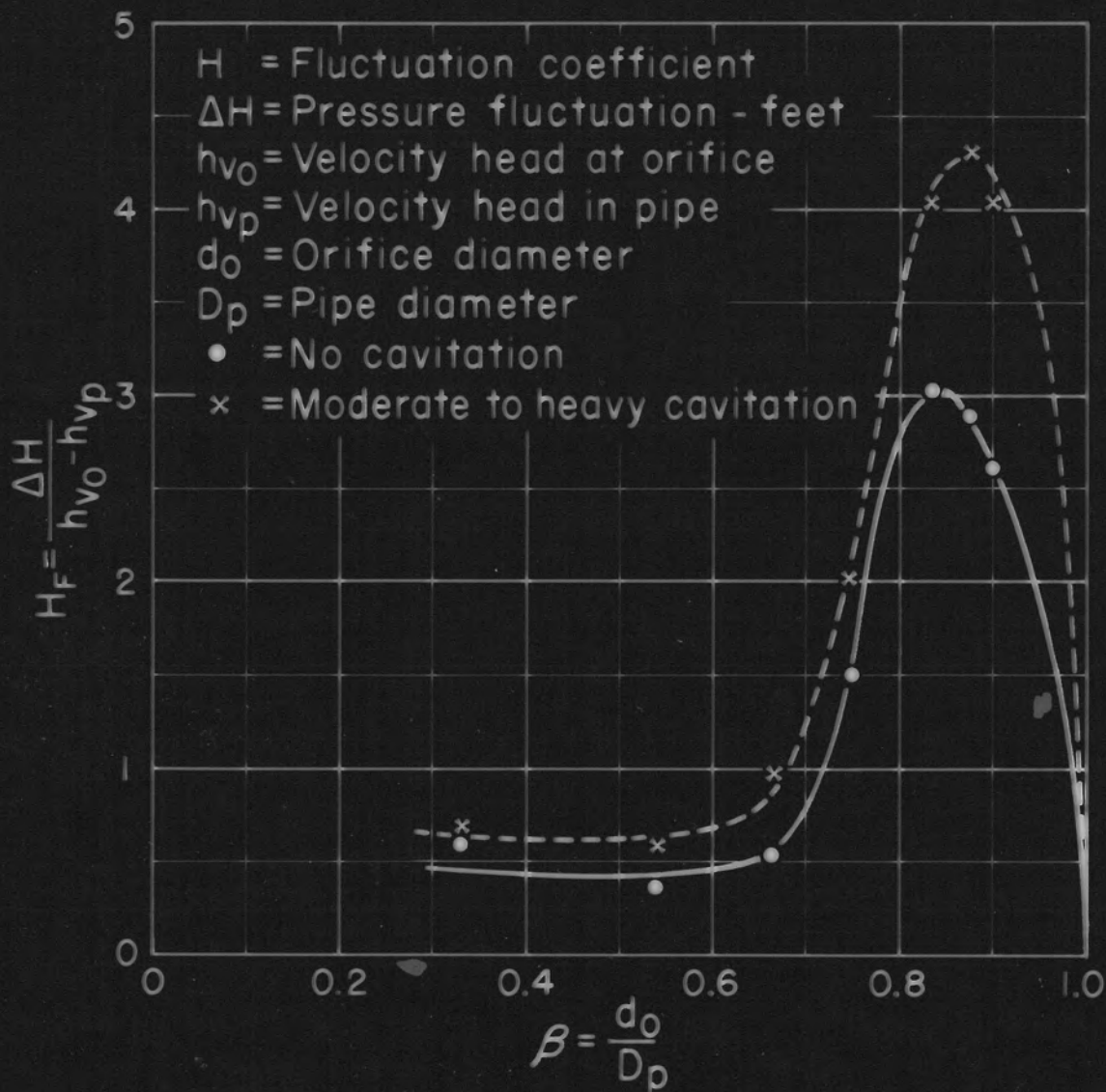
TPX-D-31809

TPX-D-21803



DISTANCE OF CAVITATION DAMAGE
DOWNSTREAM OF VALVE

FIGURE 4



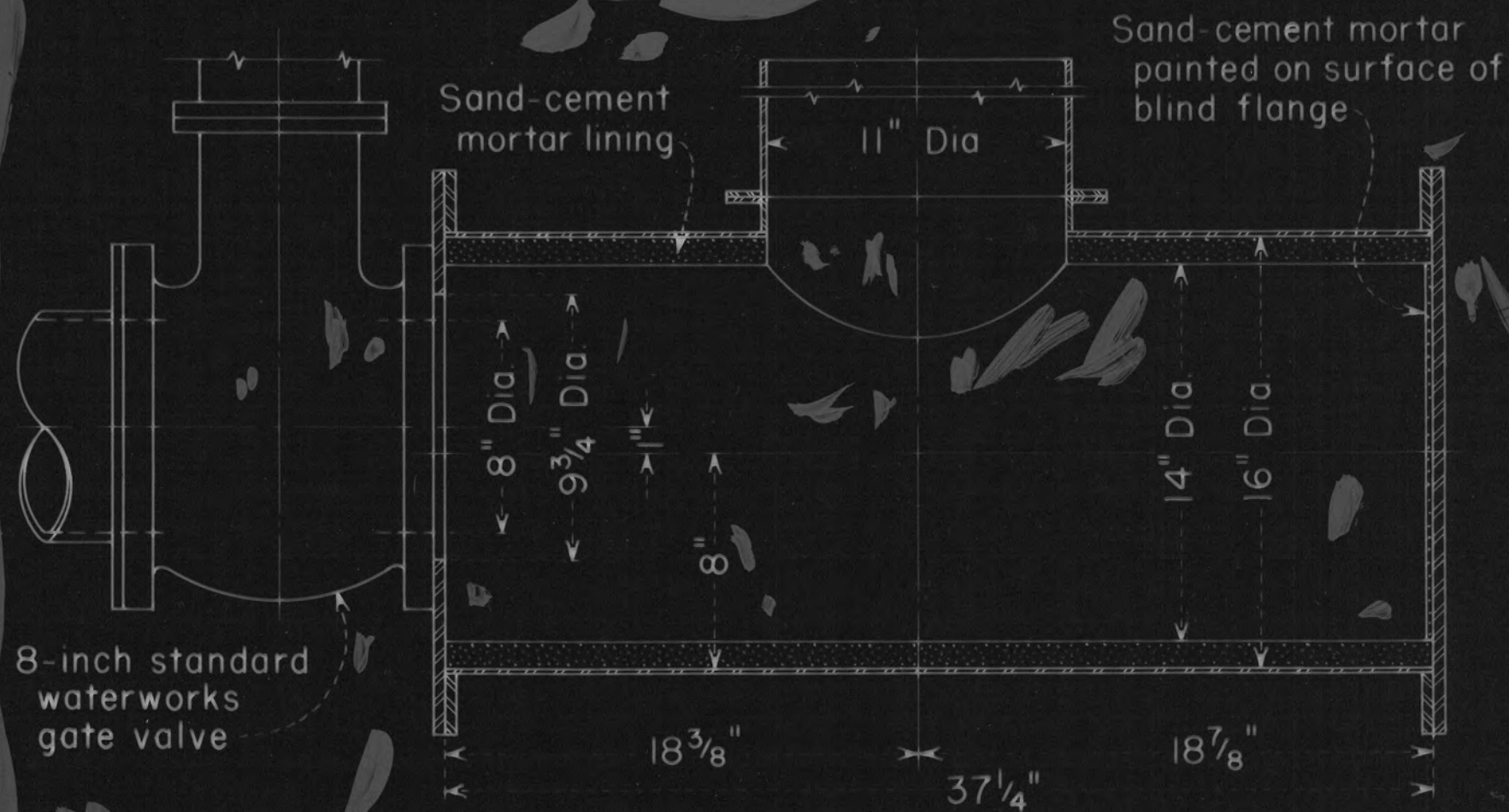
PRESSURE FLUCTUATIONS DOWNSTREAM FROM ORIFICES IN PIPELINES

FIGURE 9



PRESSURE REDUCER FOR TURBINE BY-PASS
NEEDLE VALVES IN SERIES

FIGURE II

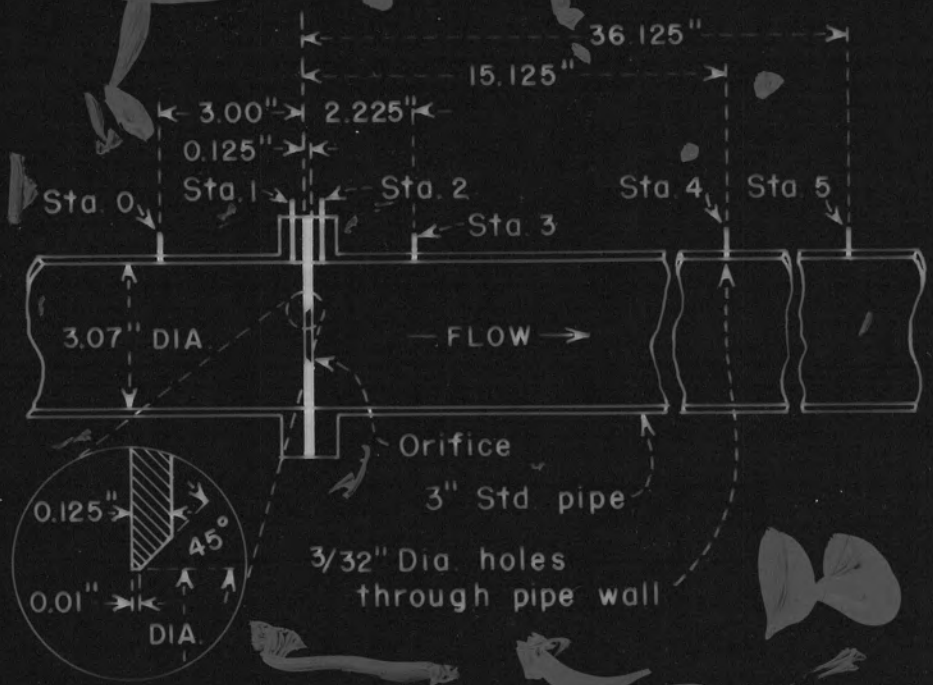


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CONCRETE LINED T-SECTION
AS SUDDEN ENLARGEMENT BELOW GATE VALVE

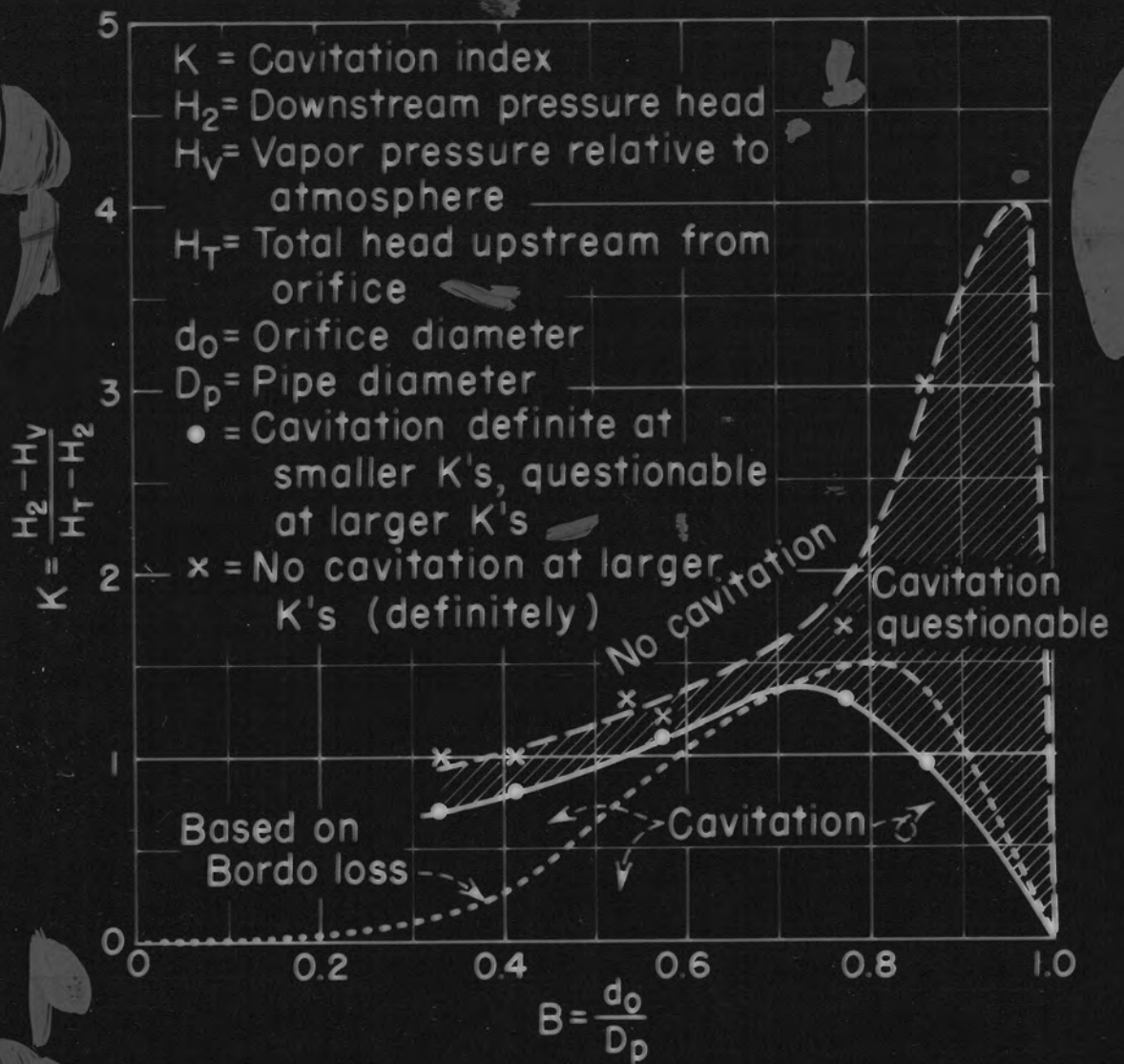
FIGURE 5

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TEST FACILITIES FOR ORIFICES
AND FLOW NOZZLES

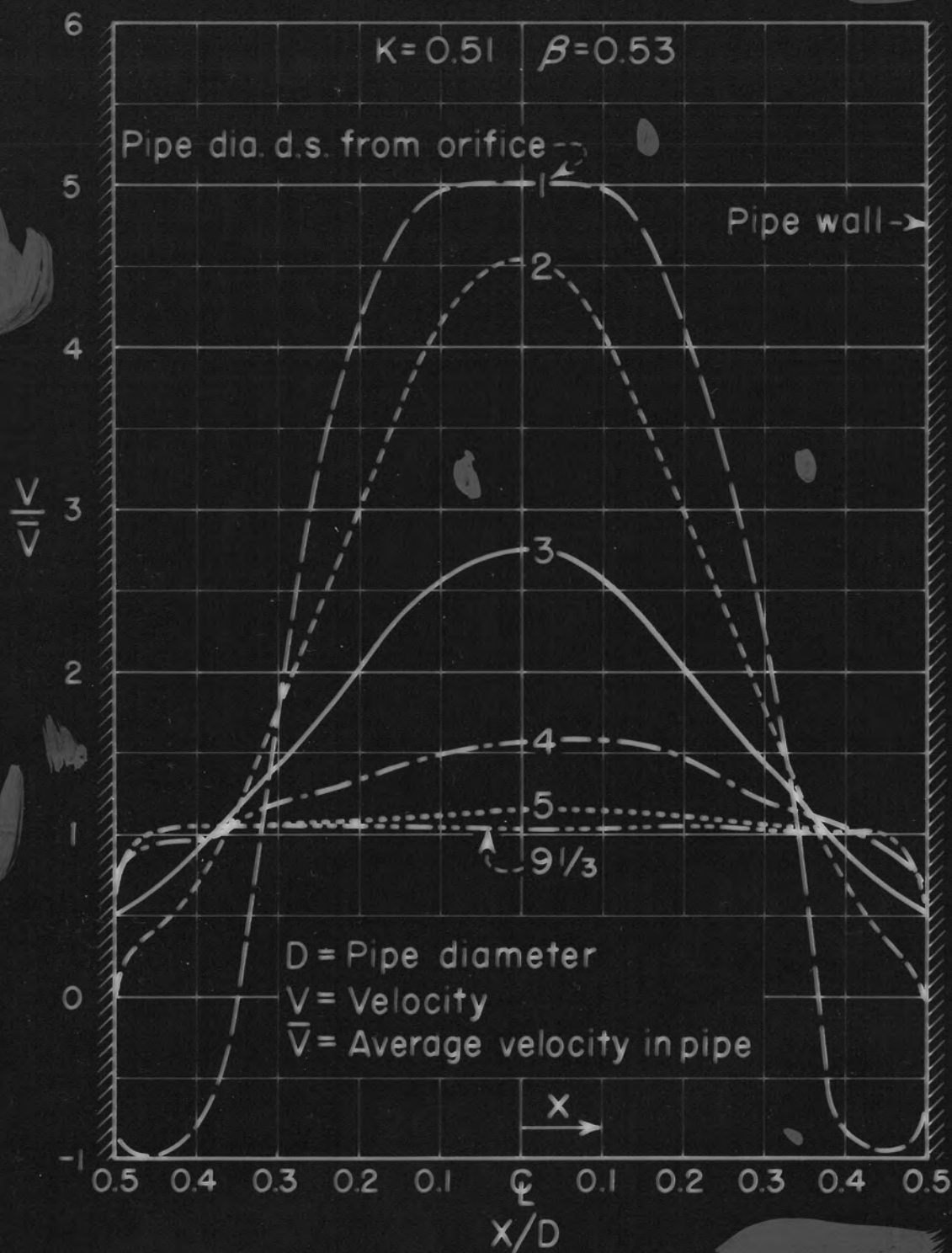
FIGURE 6



CAVITATION POTENTIAL OF ORIFICES IN A PIPELINE

FIGURE 7

TPX-D-31806



VELOCITY REDISTRIBUTION IN PIPE
DOWNSTREAM FROM ORIFICE

FIGURE 8

TP8-D-31807