



# Technical Consideration of the Niigata-Sendai Natural Gas Pipeline\*



*Synopsis:*

*The Niigata-Sendai Gas Pipeline Project was successfully completed in 1996. This is the second longest gas pipeline that crosses the Japan Islands with a diam...*



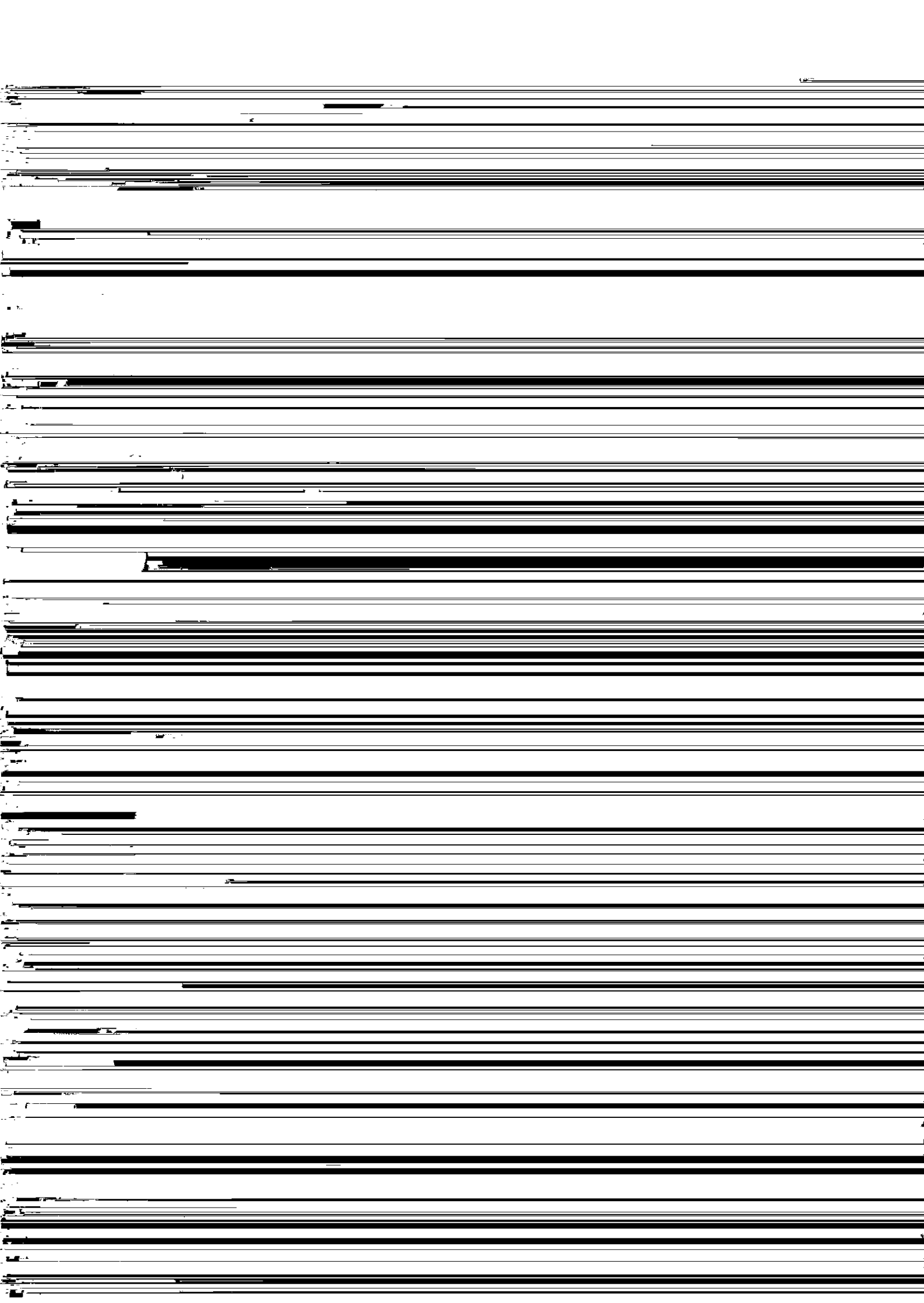
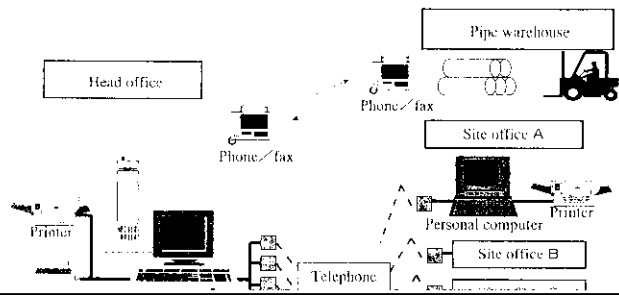
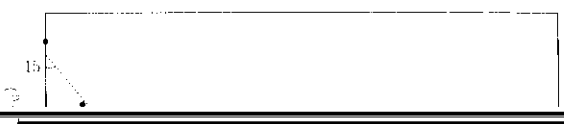


Table 5 Result of mechanical tests

	Mother pipe	Bend pipe
Tensile strength (N/mm <sup>2</sup> )		
Compression	—	637.0
Tensility	—	627.0
Neutrality	607.0	614.0
Charpy energy (mean) (J)		
Compression	—	100.0
Tensility	—	109.0
Neutrality	121.0	102.0







used. The transport capacity was found by a steady-flow analysis using the pipe roughness determined in the above simulation and the start pressure at Niigata and