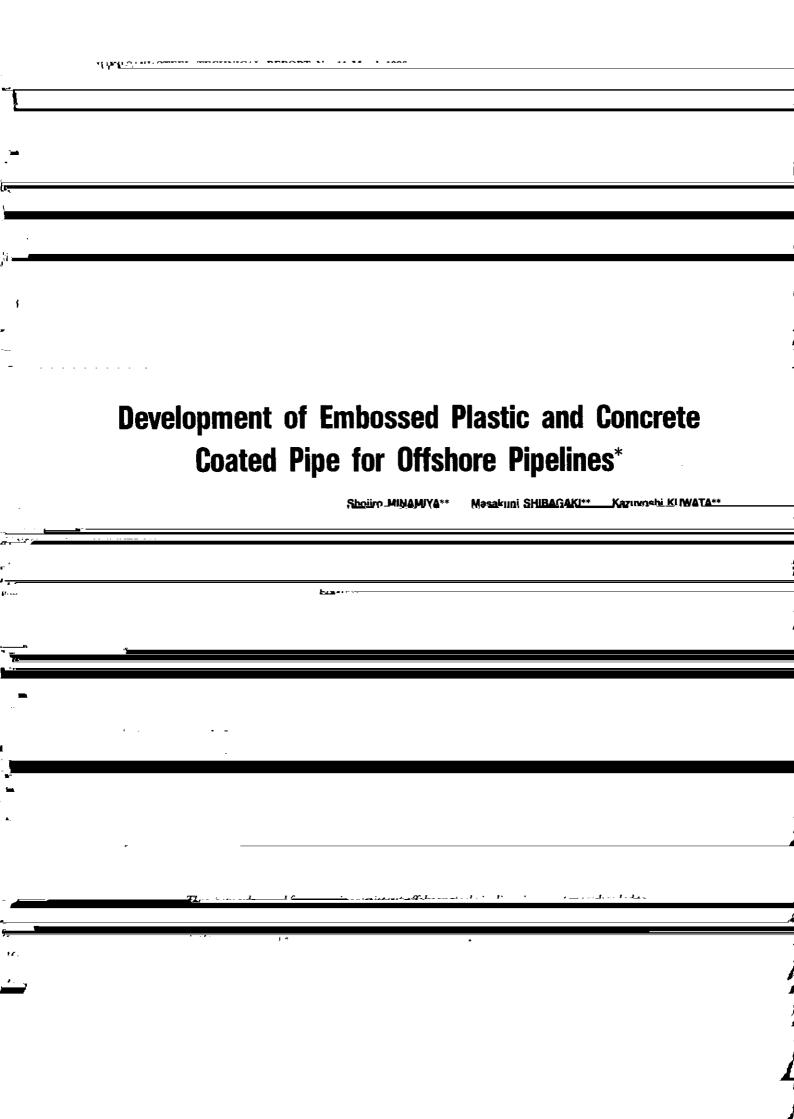
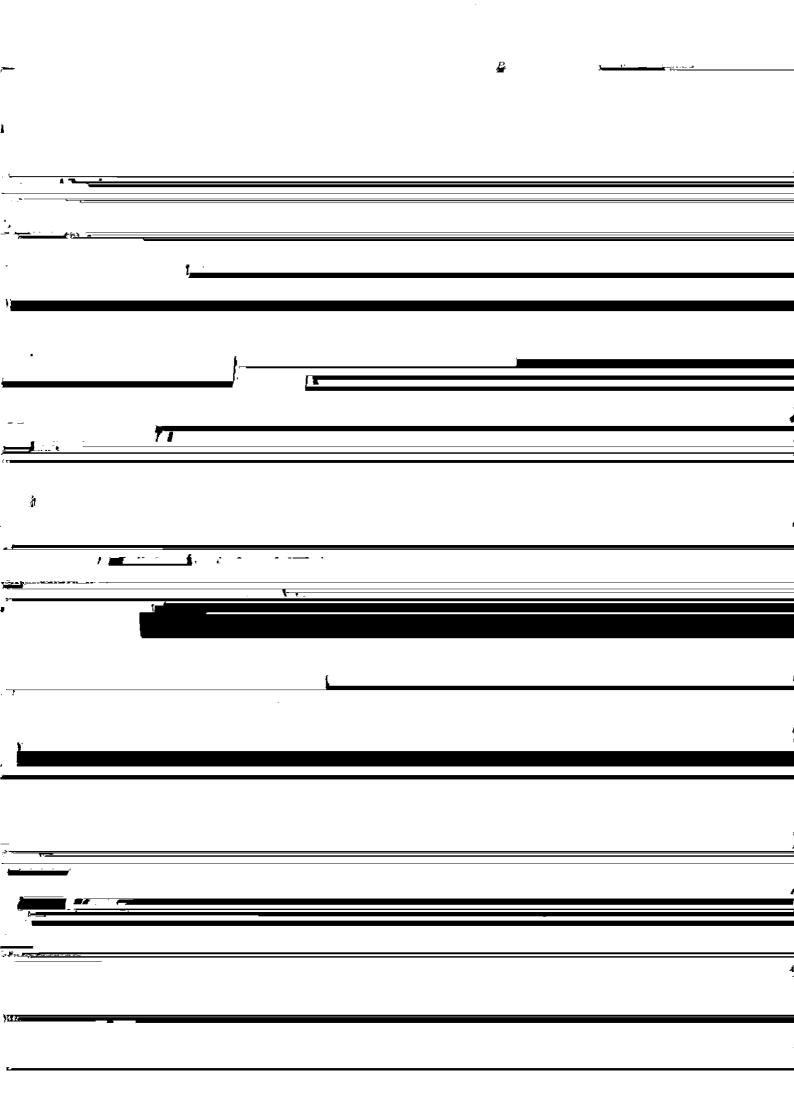
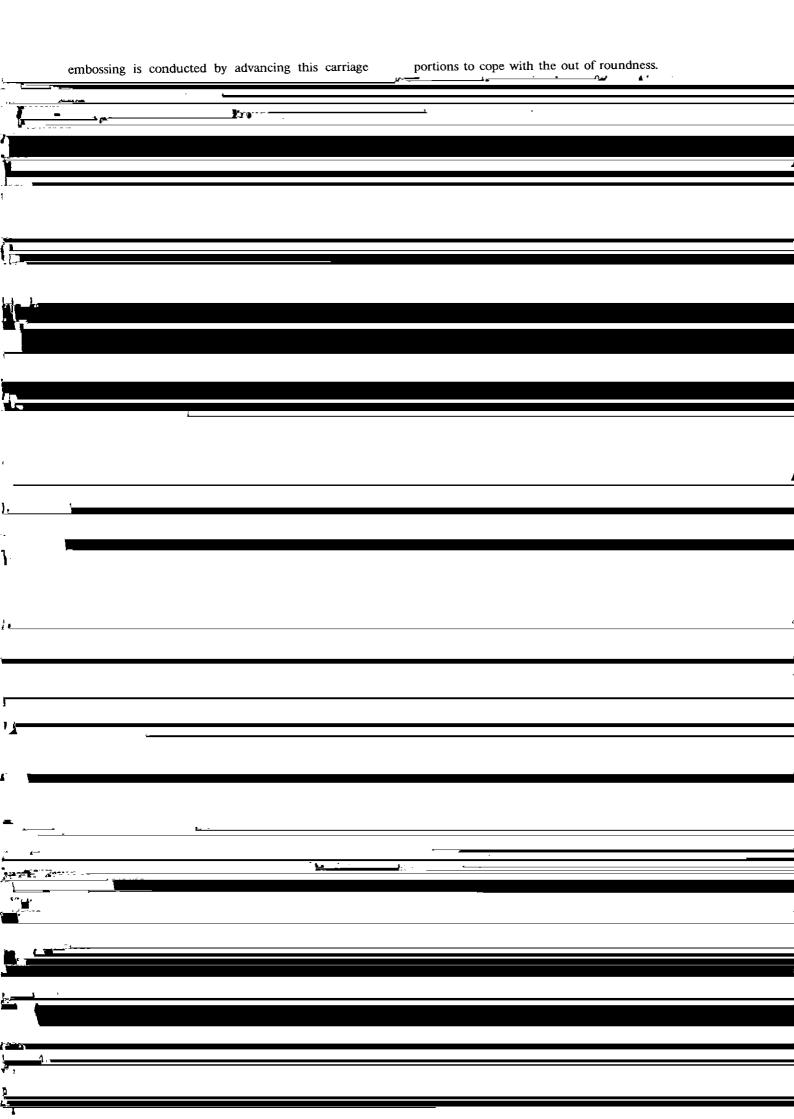
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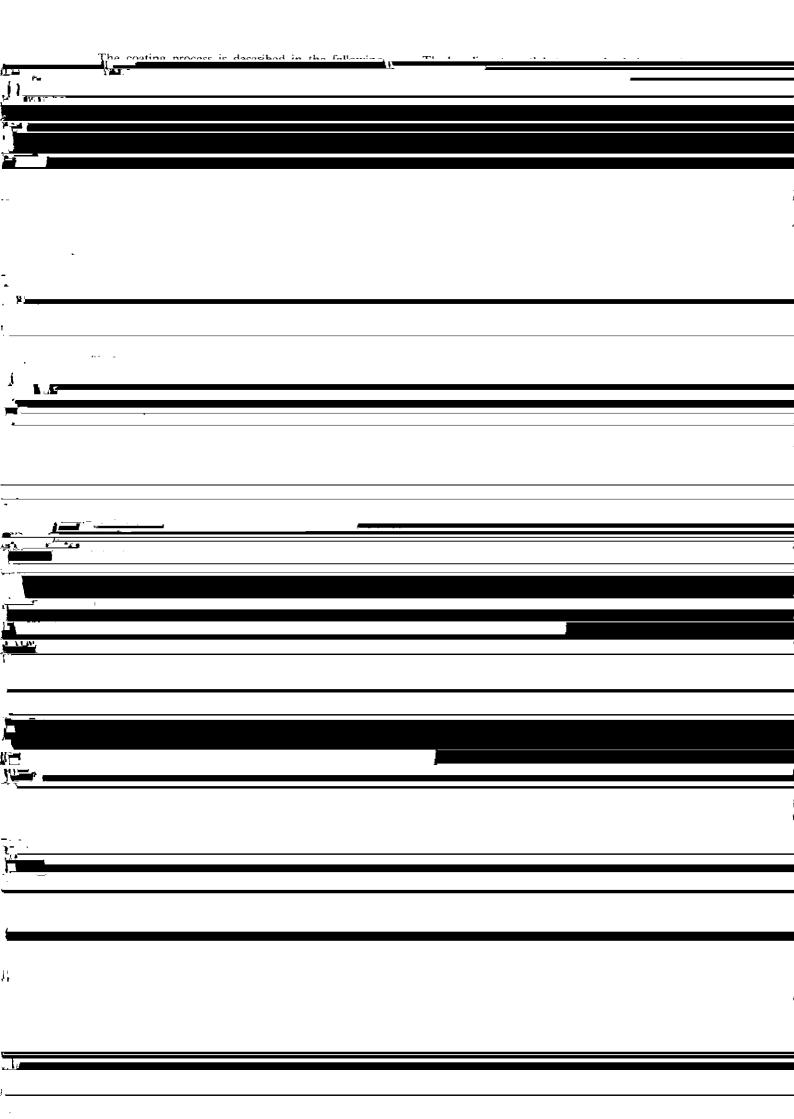
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4 Mechanical Characteristics for Practical Use

Figure 6 shows a representative pipeline laying method using a laying barge²⁾. Pipes 12 m in length are continuously welded on board and are delivered into the

ing the peeling-off of concrete.

4.3 Flexure Characteristics

The bend radius (R) during pipe-laying was determined and the simple-bending test was conducted. The minimum bend radius for design is given by the follow-

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	investigated by supposing this laying mathed and the		
	investigated by supposing this laying method and the damage at the sea bottom.	$R = \frac{E \cdot D}{2\sigma_0 \cdot D_F} \qquad (3)$	
	damage at the sea bottom.	$\Gamma = 2\sigma_0 \cdot D_{\rm F}$	
	Crane	where, R: Overbend radius of curvature (ft)	
	Crane Barge	E. Elastic modulus (30 sc 106 noi)	
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pipe is 21 tf, while that of the embossed polyethyleneexternal forces, such as those generated by anchoring coated pipe is 26 tf. It can be seen from this that from ships and collisions of otter boards of fishing trawls, embossed surface of the coating contribute to the bendin addition to external forces from the natural environing yield strength. In the general coated pipe, cracks ment, such as tidal currents, movement of sea-bottom wars formed in axido oran and the see of the orange wee wi<u>de. In the embossed nolvethylene-coated nine</u> hair the resistance to these external forces, audron test was

