

Figure 4.3 is a photograph of the effects of axial ground movement on a NPS 12 pipeline, which led to a small wrinkle in the pipe (Figure 4.4) but no loss of containment. The wrinkle was identified through in-line inspection (Figure 4.5). The photograph in Figure 4.3 shows how



Figure 4.3 Damage to coating on NPS 12 pile from soil movement.



Figure 4.4 Wrinkle formed in NPS 12 pipeline due to soil movements.