

# ERDIP NEWS

September 2018, Vol. 7

## SCVWD won ENR CA. Award for 2018 Best Projects on ERDIP project

Santa Clara Valley Water District (SCVWD) won Engineering News-Record California Award for 2018 Best Projects in Northern California on Penitencia Main and Penitencia Force Main Seismic Retrofit Project which Kubota supplied large diameter ERDIP, S-type 60", 66" and 72" diameter.

The project was very challenging and epoch-making in terms of using the very first large size ERDIP outside Japan. The project team was confronted with a lot of challenges such as a terrain condition, neighborhood environment, and a limited construction term. The team overcame these challenges with their great effort and team work.



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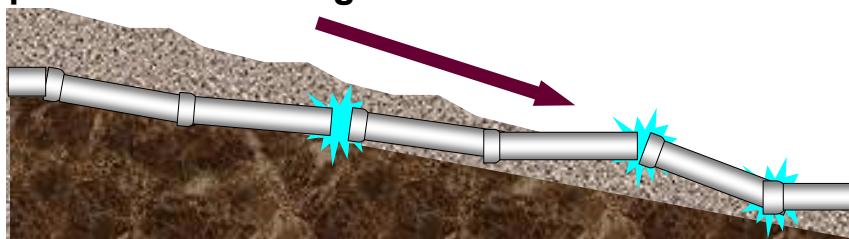
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## ERDIP works well for any ground displacement!!

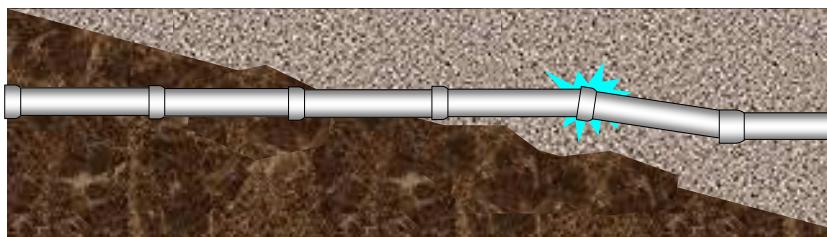
After ground subsidence or ground deformation, pipeline will be shifted by ground movement. And some joint might be pulled out, broken and lead to leakage. Even restrained joint, large bending moment might be concentrated at joint and lead to joint damage. ERDIP can provide right solution by adjusting ground subsidence, ground deformation and keep stable water supply even serious natural disasters.

### Push on joint

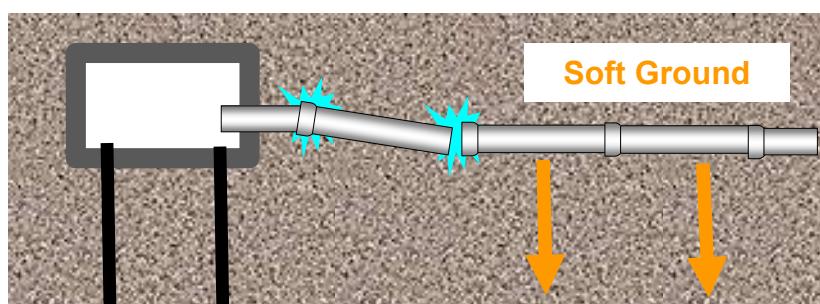
Push on joint with no locking structure might be pulled out due to ground movement



Landslide, ground deformation



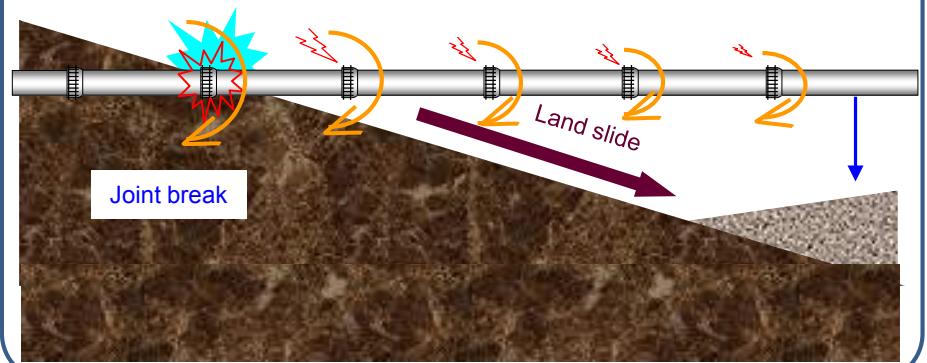
Uneven ground condition



Near by vault / structure

### Restrained joint

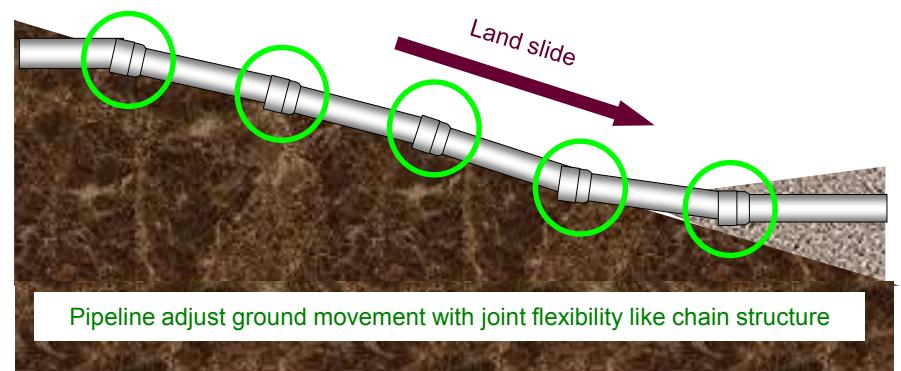
Large moment concentrates on joints



Joint break

### ERDIP

Very small stress concentration on joint



Pipeline adjust ground movement with joint flexibility like chain structure

For further inquiry, please feel free to contact us.

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