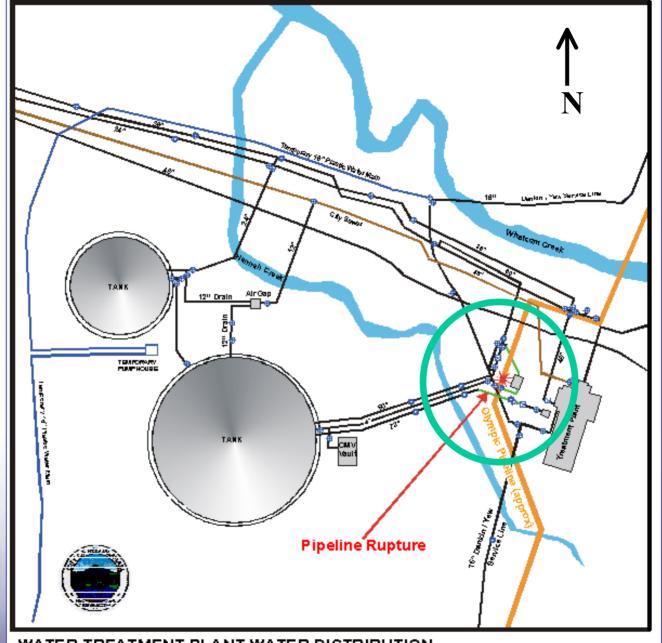




IMCO's excavations in the vicinity of Olympic's pipeline.







WATER TREATMENT PLANT WATER DISTRIBUTION

Design Phase Activities

- Locate Pipeline for Planning
- Obtain Olympic's Requirements

• "Pothole" Pipeline



It is unlikely that the extensive damage to the pipeline occurred as a

result of the potholing.



IMCO's Excavation Activities



Olympic

Pipeline

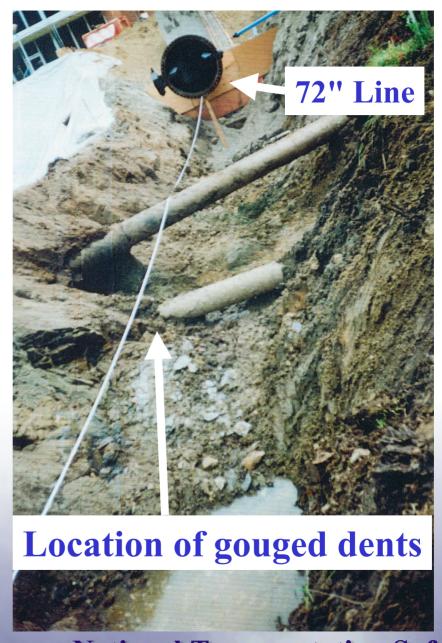
Exposed

During

Water Line

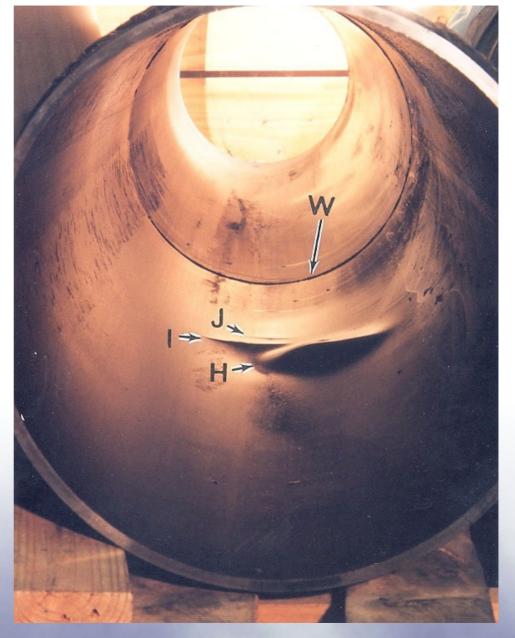
Installation





National Transportation Safety Board

Gouged Dents
Found Near
Water Line
Crossing

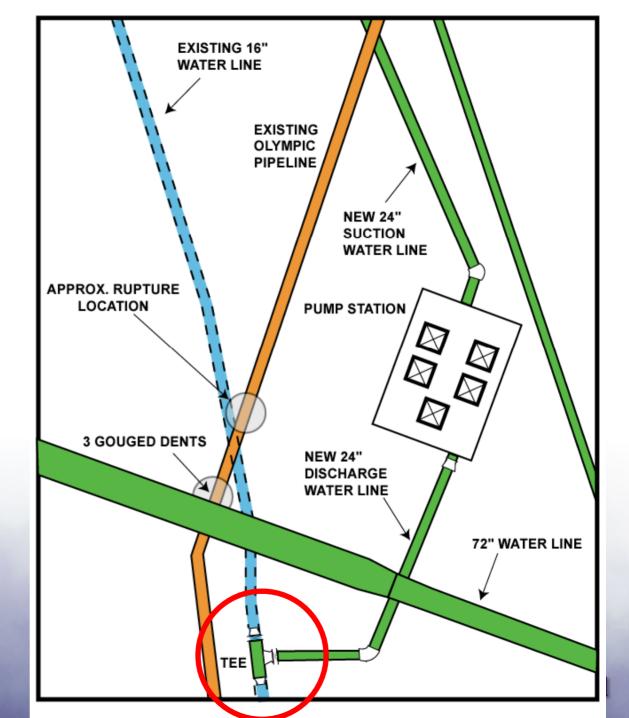






Original

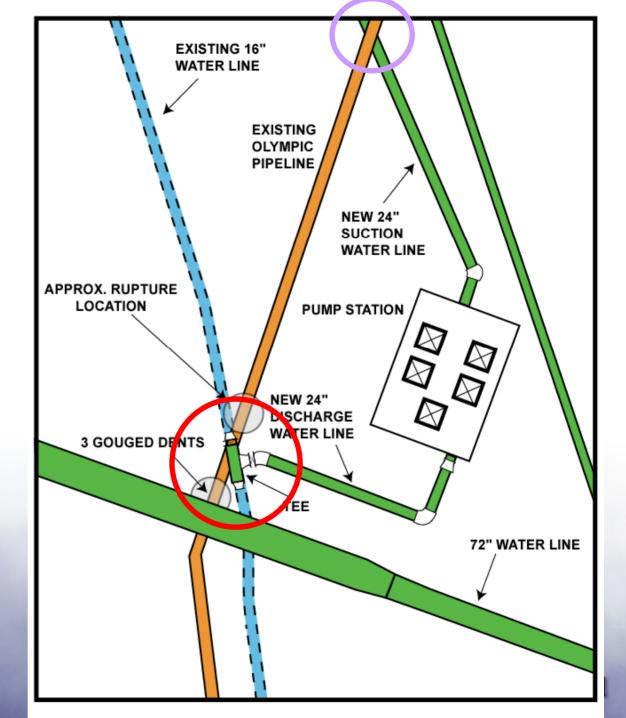
Design





Modified

Design

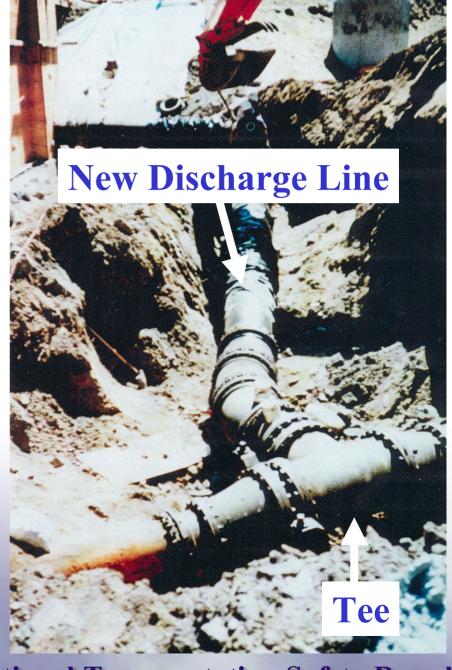




Newly-Installed

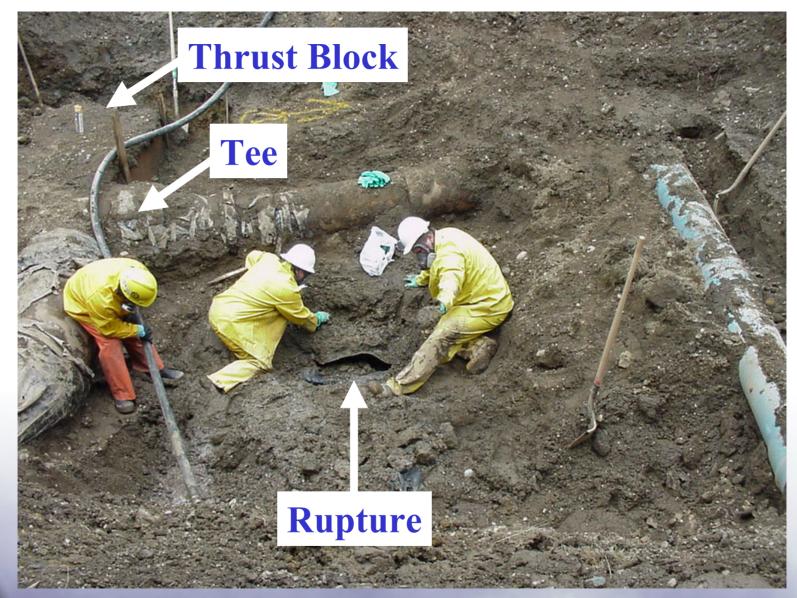
Discharge

Water Line

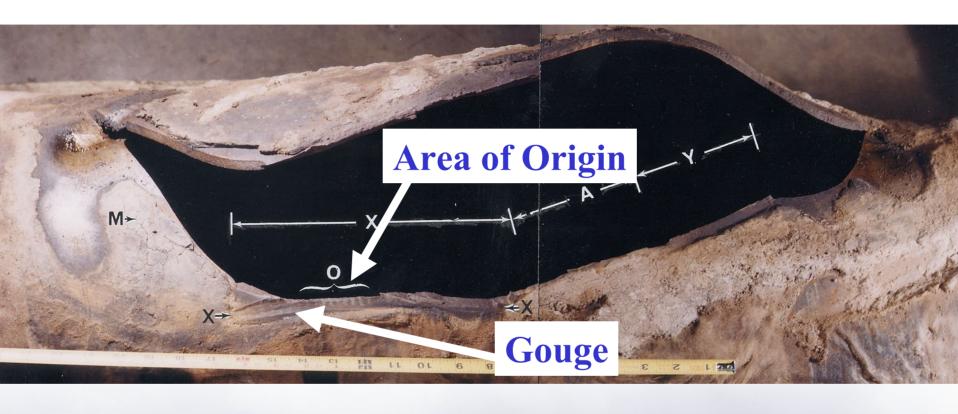


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External Gouges on Ruptured Pipeline



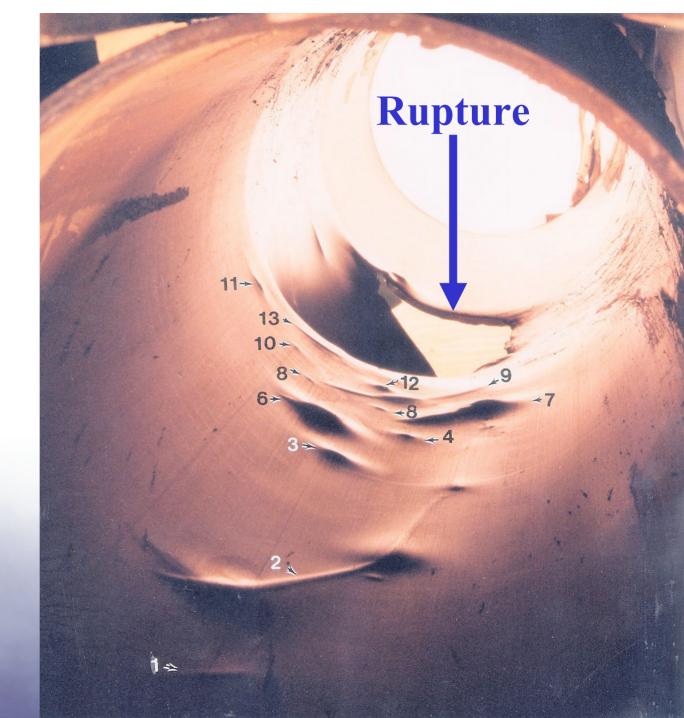
Damage

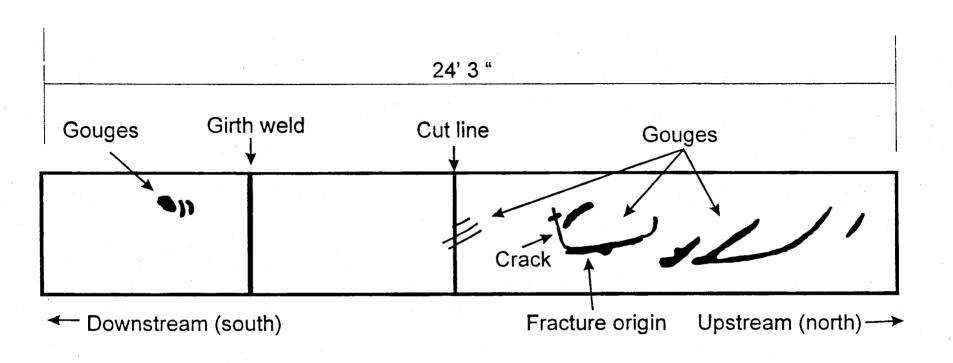
Shown on

Internal

Surface







Extent of Damage to Pipe



IMCO's Excavation Activities

- Mechanized Equipment
- No Anomalies in 1991
- Water Treatment Plant Project in 1993 and 1994
- Anomalies Detected in 1996 and 1997



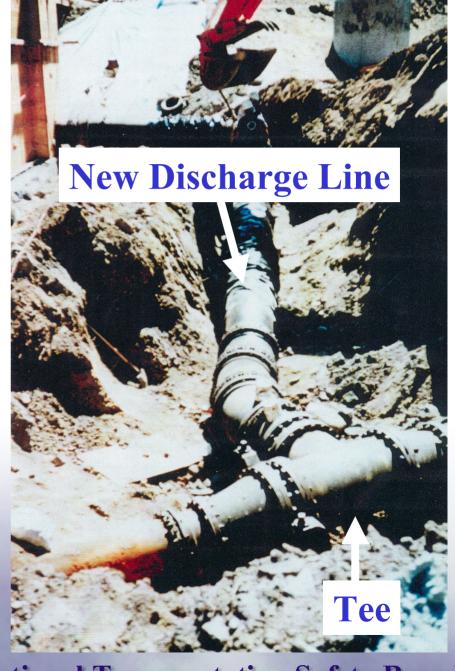
Damage to the Olympic pipeline
probably occurred during IMCO
excavations associated with the water
treatment modification project.



Newly-Installed

Discharge

Water Line



National Transportation Safety Board



Olympic's Inspections

- Olympic Not Notified of Excavations
- Barrett Should Have Notified Olympic of Design Change
- IMCO Responsible for Notification
- Olympic Didn't Investigate Open
 Excavation or Check As-built Drawings

Olympic inadequately inspected the excavation work.





