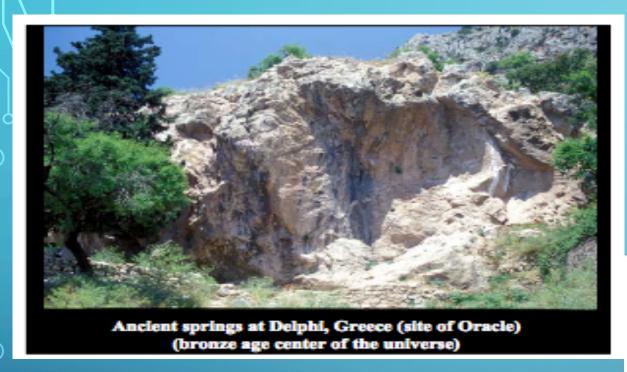
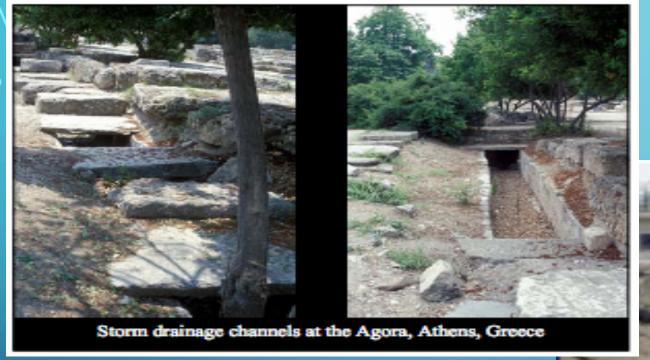
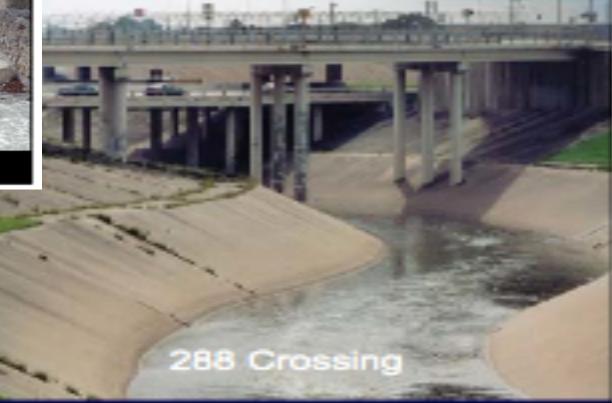
CE 3372 WATER SYSTEMS DESIGN INTRODUCTION PART 3 (FALL 2020)

- This brief history is adapted from
 - "Historical Urban Water Systems" by Dr. Robert Pitt, Department of Civil and Environmental Engineering, University of Alabama, Tuscaloosa, AL 35487
- As we proceed through the history, consider whether the picture is a water control, water use, or environmental restoration system.



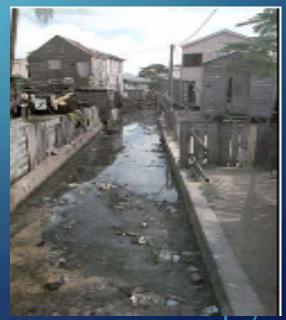


















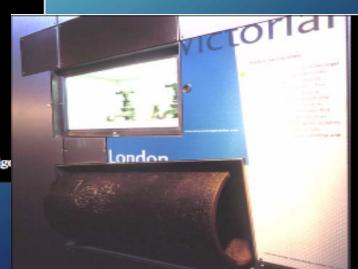
Excavation of ancient Roman pipes, Rome (about 100 AD)



Wooden water pipe, Seattle, WA (Underground Seattle Museum)



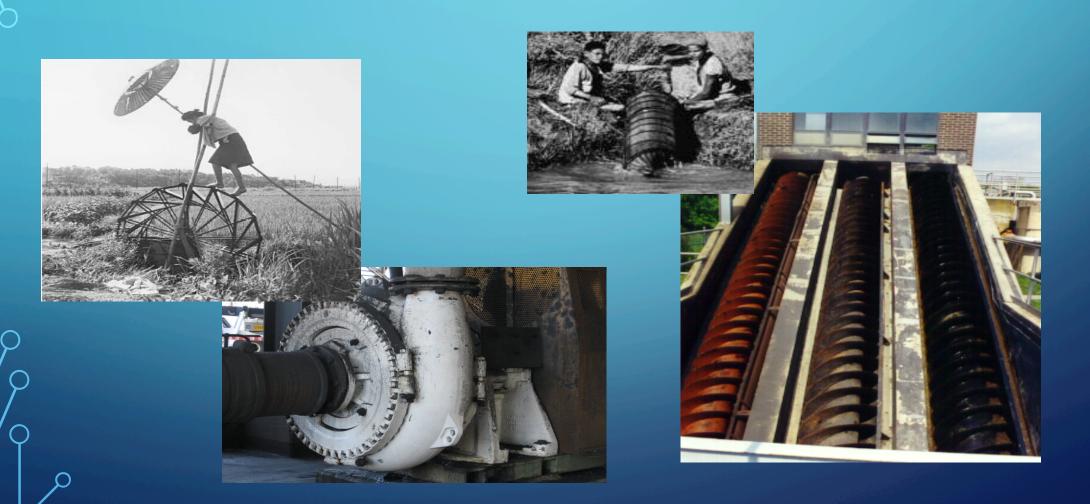
Lead pipe, Medieval London, 1000 to 1400 (Key Bridge Steam Museum)



Cast iron pipe, Victorian London, 1840 -1900 (Key Bridge Steam Museum)



Ancient clay pipe at Kamiros, Rhodes (ancient Greece, 7th century BC)















NOTABLE "BIG" SYSTEMS

- Los Angeles Aqueduct http://www.history.com/topics/los-angeles-aqueduct
- Central Valley Project https://en.wikipedia.org/wiki/Central_Valley_Project
- Salt River Project https://en.wikipedia.org/wiki/Salt_River_Project
- Tennessee Valley Authority (https://en.wikipedia.org/wiki/Tennessee_Valley_Authority)
- Three Gorges Project (https://en.wikipedia.org/wiki/Three_Gorges_Dam)

OTHER INTERESTING SYSTEMS

- Las Vegas Water Authority (
 https://www.reviewjournal.com/local/local-las-vegas/follow-a-gallon-of-water-from-lake-mead-to-a-las-vegas-tap/)
- New York https://en.wikipedia.org/wiki/New_York_City_water_supply_system
- Paris (FRANCE) https://parisianfields.com/2012/03/11/a-most-unusual-water-system/
- Berlin (GERMANY) http://www.bwb.de/content/en/html/index.php

NEXT TIME • Design criteria • Codes Manuals • Literature