



CE 3372 WATER SYSTEMS DESIGN

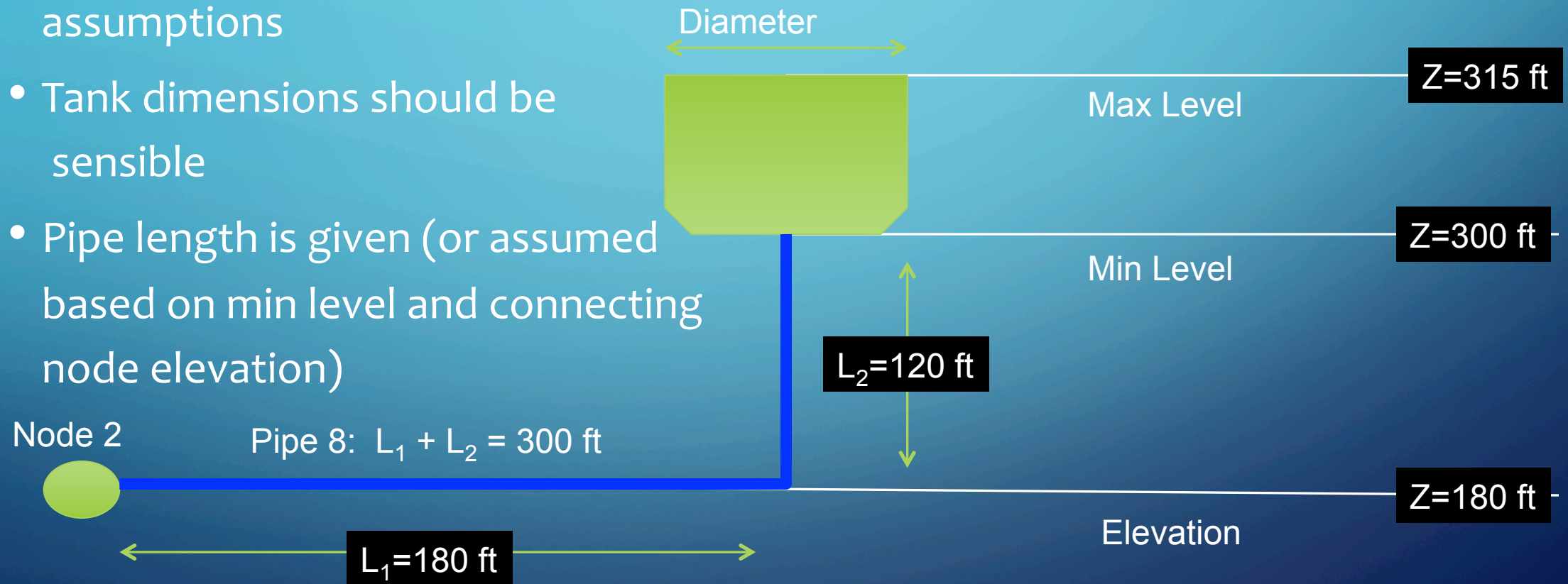
DRINKING WATER STORAGE PART 3 (FALL 2020)

STORAGE IN COMPUTER MODELS

- Storage elements in computer models are tanks or reservoirs (EPANET), or storage junctions (SWMM)
- Have similar minimal data requirements that include:
 - Invert (bottom) elevation
 - Min Pool elevation (above the invert)
 - Begin Pool elevation (above the invert)
 - Max Pool elevation (above the invert)
 - Tank dimensions (or depth-storage curve)

TANK DESCRIPTIONS

- Supply reservoir (or tank); identify reservoir pool elevation
 - May need to make configuration assumptions
 - Tank dimensions should be sensible
 - Pipe length is given (or assumed based on min level and connecting node elevation)



TANK DESCRIPTIONS

- Supply reservoir (or tank); identify reservoir pool elevation
 - Can also use a volume vs. depth table to convey tank storage capabilities -- quite similar to reservoir routing in hydrology

