



WHY IS CLEAN WATER SO IMPORTANT?



.....public health protection

In a world where more than 3.4 million people die every year from preventable waterborne disease, our water system assures that we can drink from any public tap with a high assurance of safety.

.....fire protection

One of the primary purposes of our water system is the suppression of fire. To protect against fire, our system must be maintained to assure necessary pressure and availability.



.....support of economic development

New businesses and housing developments cannot succeed without a safe and sustainable water supply. For most industry, tap water is critical to day-to-day operations, and is often a primary ingredient in the products they create.

.....quality of life

In North America, we take for granted that safe water is always accessible to drink, to wash our clothes, to water out lawns and for a myriad of other purposes. When water service is interrupted, we're all reminded of the extraordinary value of water.

The Importance of CLEAN Water

- One billion people do not have access to clean drinking water.
- 3.6 million people die each year from water related diseases.





Where does our water come from?





5/26/16



Quality H₂O!





Protecting our Future



Volume 1

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Kingsport Water Distribution System Master Plan

Kingsport Water Treatment Plant Master Plan



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Old Raw Water Pipes







Bring the River to the Plant



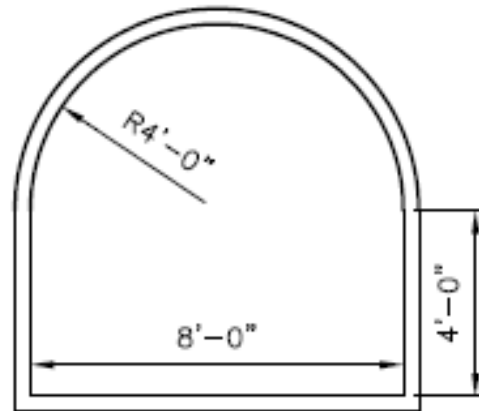
Project Improvements

➤ Raw Water Intake

- A 25' vertical shaft
- 3 Horizontal Tunnels
 - Future Stub Tunnel
 - Connector Tunnel
 - Main Tunnel

➤ Water Treatment Plant

- New raw water pump station
- Installation of new generator



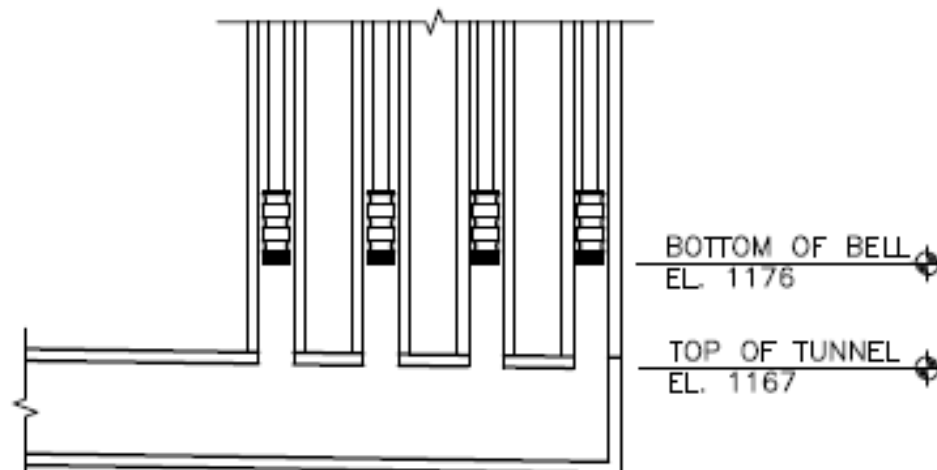
RAW WATER INTAKE TUNNEL CROSS SECTION

SECTION

2

$1/4" = 1'-0"$

Fig 6



Raw Water Intake Site























Future Stub Tunnel



Drillers Working on Connector Tunnel





















Inside 38" Pump Casing





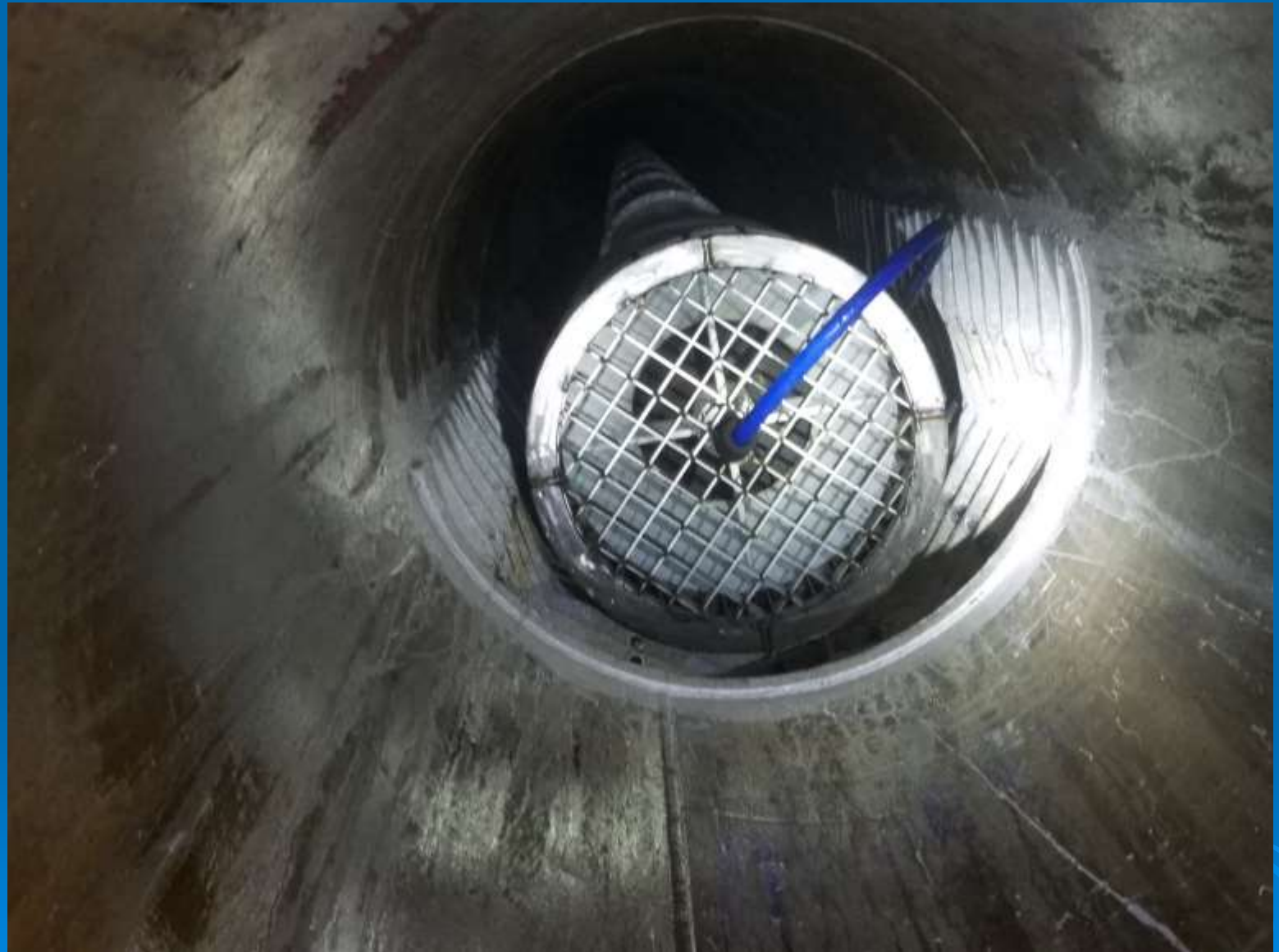












5/6/16



6/3/16



7/10/16



09/15/16













In closing

- Water, like religion and ideology, has the power to move millions of people. Since the very birth of human civilization, people have moved to settle close to it. People move when there is too little of it. People move when there is too much of it. People journey down it. People write, sing and dance about it. People fight over it. And all people, everywhere and every day, need it.

- *Mikhail Gorbachev, President of Green Cross International
quoted in Peter Swanson's Water: The Drop of Life, 2001*

Questions??????

