

## **A New Approach**



Fry Road Rain Trail

- What if the path was part of the drainage conveyance?
- If we utilize porous pavement, an aggregate recharge bed, and perforated pipe; we can reduce the size of the pipe while providing a water quality benefit.

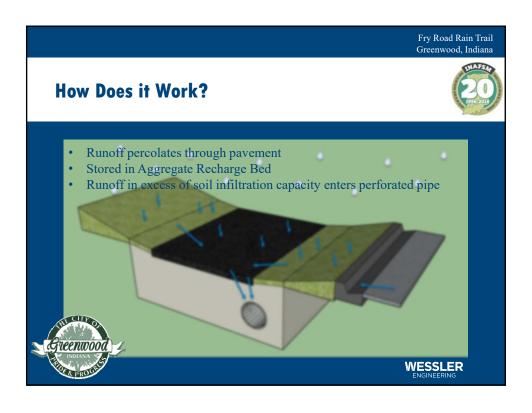


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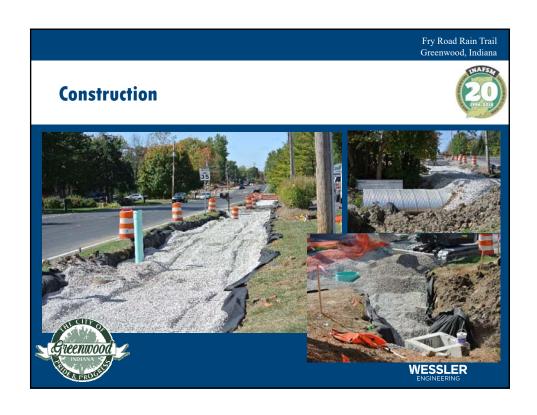




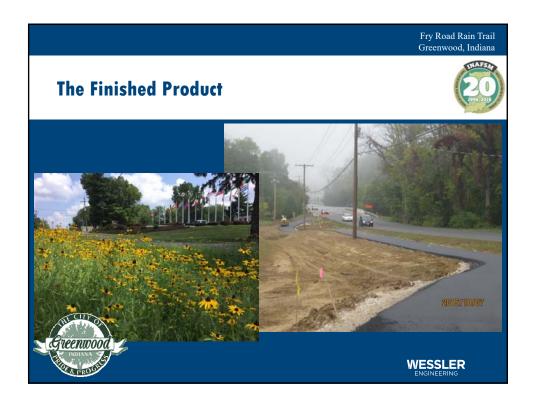




## Pesign • Hydraulic Modeling • Open Grate Castings • 10-year Storm within re-charge bed • 100-year storm within "banks" WESSLER ENGINEERING







## **Challenges & Obstacles**



- Utilities
- Constructability & Durability
  - Asphalt mix is difficult to work with
  - Sections adjacent to approaches required replacement
  - Some degradation occurred after 1st winter
  - Require 3-year maintenance bond



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Fry Road Rain Trail Greenwood, Indiana



## **Challenges & Obstacles**

- Maintenance
  - Porous Asphalt must be vacuum cleaned
  - Fry Road trail was too narrow (8') for Greenwood's street sweeper. Recommend 10' wide trail.
  - Third-party contract maintenance with regenerative air sweeper.



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