



Keeping the Water Clear Around Fairhope

Clear Water Alabama_{TN} 2022

Clear Water: Creek to Coast

Richard Johnson, PE, Public Works Director, City of Fairhope, AL

Keeping the Water Clear in Fairhope

- ▶ How does that work?
- ▶ Kim Burmeister calls and says there is turbid water in the bay...
- ▶ I respond by saying let me look into it...



And We Find...



Kim says Fly Creek is running red...



And We Find...



And We Find...



Kim says there is a discharge
coming from Public Works ...

What Could it Be
From?



The Answer Is...



Corrugated Metal Pipe (CMP) was used wide-spread...

- ▶ 1960's and 1970's
- ▶ Throughout the Central Business District and Established Fruit and Nut Neighborhoods in Fairhope
- ▶ Has a 50-year service lifespan
- ▶ Common failure mechanism - rusted out inverts
- ▶ What does that look like?



Meet My Nemesis...



Proactive is Better than Reactive?

- ▶ Inspection
 - ▶ MS4 - Every Facility/Outfall every 4 years
 - ▶ Full Stormwater Inventory & GIS Mapping
- ▶ Two Street Sweepers - 5 days a week
- ▶ Litter Patrol - 2 Crews 5 days a week
- ▶ Strong Development Regulations
- ▶ O & M Plans
- ▶ Education and Outreach
- ▶ BMP's and Enforcement
- ▶ LID's
- ▶ Sod, Sod and More Sod



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Keeping the Water Clear is a Challenge - One We Must Meet

- ▶ 65+ Inches of Rainfall Annually
- ▶ Highly Erodible Soils
- ▶ Unprecedented Growth > 40% in the Last Decade
- ▶ Significant Increases in Impervious Surfaces
- ▶ Aging Infrastructure
- ▶ Limited Staffing and Resources
- ▶ Must Preserve Our Natural Resources



QUESTIONS?

Richard D. Johnson

City of Fairhope

Public Works Department

richard.johnson@fairhopeal.gov

251-928-8003

