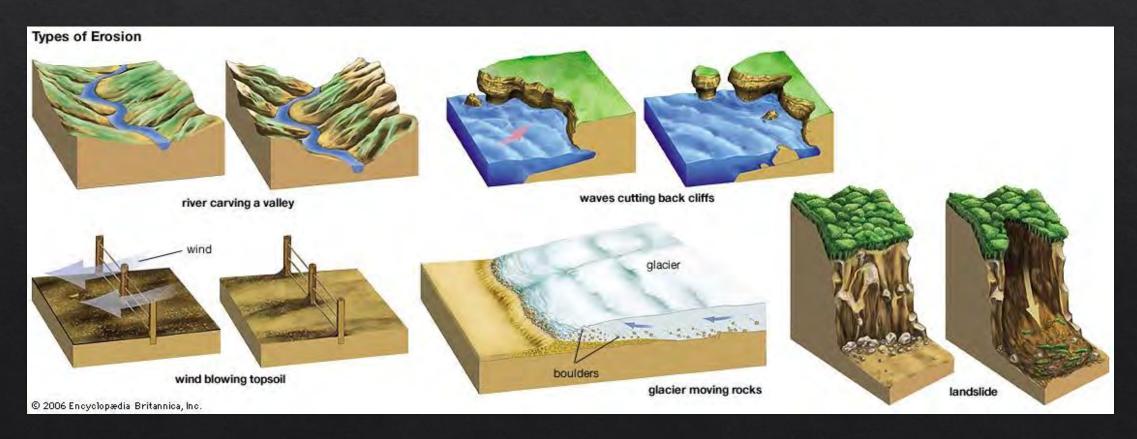
Erosion Prevention & Sediment Control

A hands on approach to a simple, yet real world problem

Josh Cammack & Nick Douthitt Hardin County Engineering Department

What Is Erosion?

Simply put, it's what happens to the soil when it rains...it all runs down hill.



On a grander scale...

Channel your best version of Miley

It comes in like a wrecking ball Takes millions of years to fall All it wanted was to move the rocks All its' ever done was move me Erosion moves me



Excerpt taken from: The Erosion Song by Jennifer Carpenter

https://www.youtube.com/watch?v=aKO5aatgFgU

Nothing new, everything you already know

How do we combat erosion?

What measures can be done to prevent it?

Is prevention even possible?

Is this going to stop development?

Will it cost too much?

Do I need to be an engineer to prevent erosion?

Tons of questions....

DO SOMETHING

There are multiple options to use that have been engineered & re-engineered to prevent erosion. Quit talking about it, quit stating something has to be done, just get out and do something.



Disclaimer: No horses were harmed in the making of this slide show.

Options are endless, but not always the best

Effective vs erosion? Yes



Effective vs erosion? Yes



Erosion Prevention on A Local Scale

Hardin County's attempt to build a real life show & tell project for developers & builders





How many failed attempts have been made?





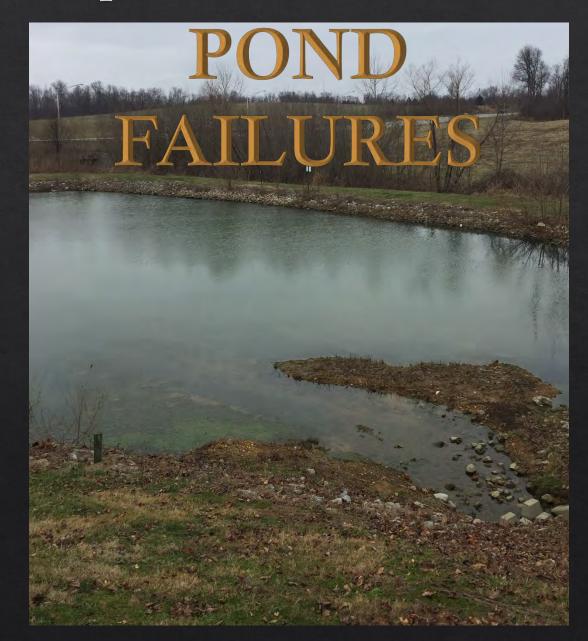






What do failed attempts lead to?











How To Solve the Issues

A better plan?????

A better plan doesn't equal success!!

After all, the plans were "engineered" and signed off by licensed engineers. So the plan was a good plan.

Where is the break down?

YES

- Implementation?
- Lack of property owner maintenance?
- Contractor cut corners?
- Owner not enforcing proper installation?

YES



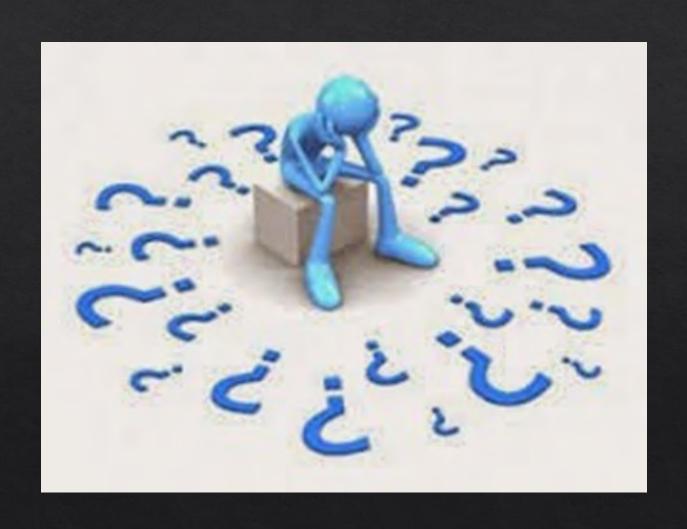
It's a combination of many factors.

Some known decisions made that could affect the area.

Some unknown decisions made by folks who don't know much if anything about stormwater and erosion.

Sometimes corners are cut to use funding elsewhere.

Where do you go from here?



Hardin County's Approach

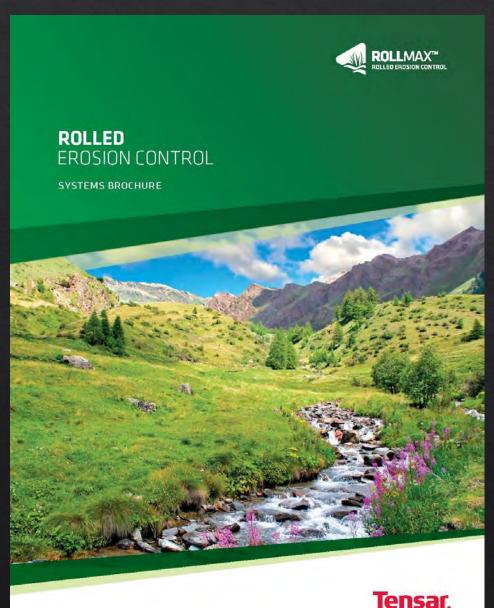
Let's do something different!

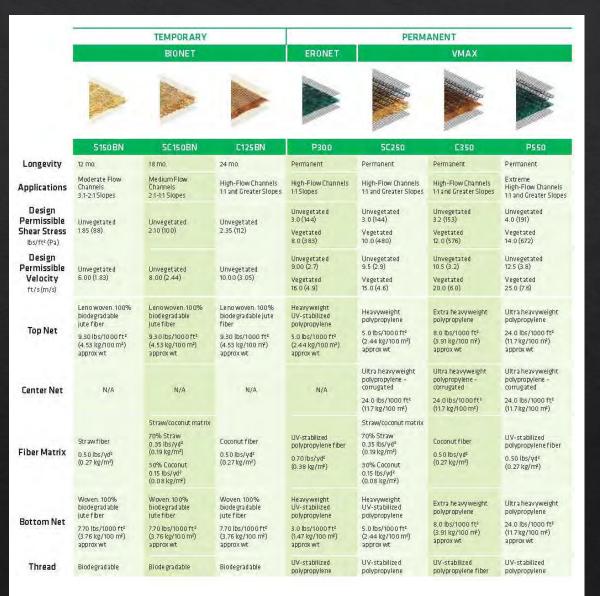




Obviously after 3 attempts at rip rap and rock check dams this wasn't the best solution.

What do we do????









BE FLEXIBLE!!























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Questions? Comments?

Direct those to Vicki Meredith

Come see the project in person

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