

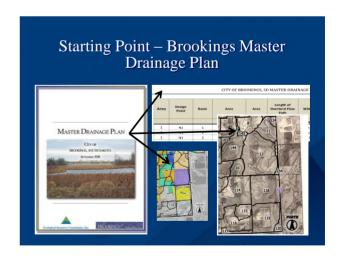
Southland Lane Detention Pond
Project is a "classroom" for
future green infrastructure
projects in the City of Brookings,
South Dakota

Presented by Rocky J. Keehn, PE, D.WRE, CFM, LEED AP
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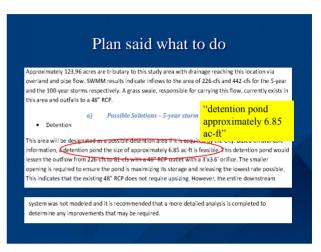
Presentation for
2012 Nebraska Post-Construction
Stormwater Management Workshop,
March 21, 2012

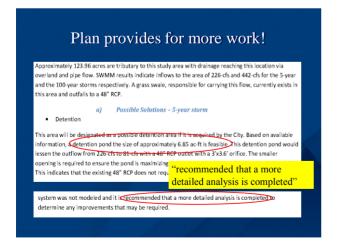
What you are about to hear...

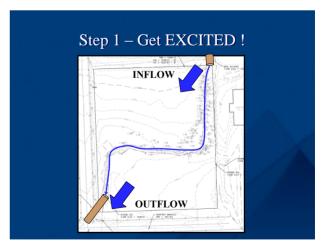
- How SEH converted an engineering based master drainage plan concept to a "classroom" for future stormwater projects
- How successful green projects are really about generating EXCITEMENT!
- How you can "cram" several BMP/Green Solution concepts into one project
- How use of a Multi-discipline approach is the key to successful green solution projects
- How going above the base project can make a BMP project a learning tool and community asset

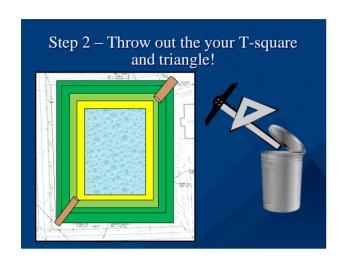




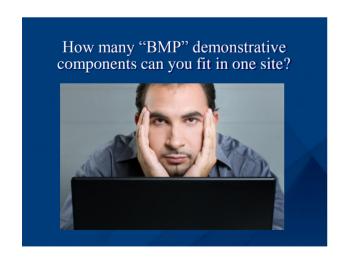


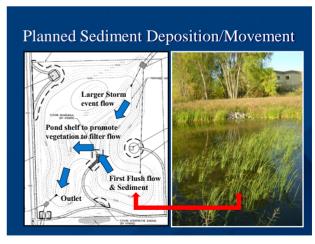




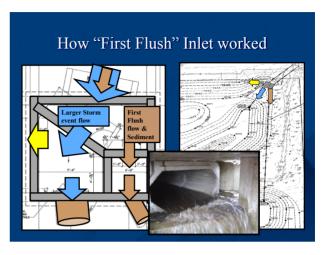


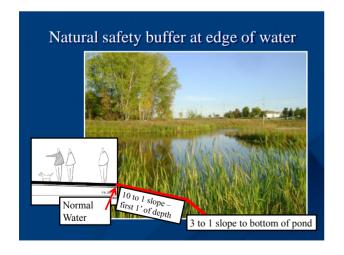


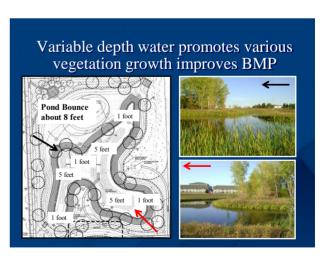


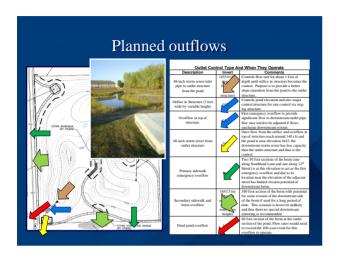








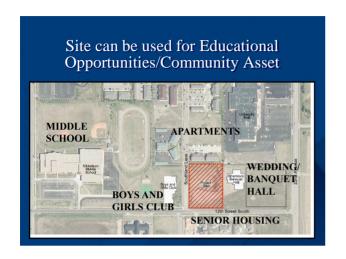


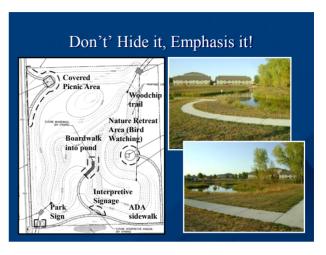




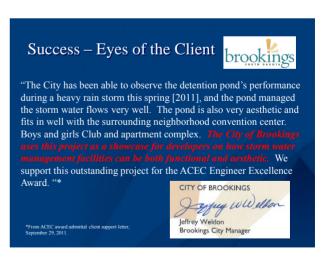












Success – Eyes of ACEC*

2011 South Dakota ACEC GRAND Award winner and 2012 ACEC National Recognition Award winner



*ACEC – American Council of Engineering Companies



EH Rocky K er Lead Wi

Success! - Hearsay

Keith Rounds of Rounds Construction (contractor for the project) has been heard saying and doing.....





Conclusions

- GET EXCITED ABOUT YOUR PROJECT AND GOOD THINGS WILL HAPPEN
- LOOK FOR OPPURTUNITES TO EXPAND YOUR PROJECT...MAKE IT MORE THAN IT NEEDS TO BE
- DON'T HIDE YOUR PROJECT..BE PROUD OF IT
- MULTI-DISIPLINE IS THE KEY TO SUCCESS...BETTER PROJECTS RESULT WHEN WE ALL WORK TOGETHER.

In our stormwater "classroom"

- Planned Sediment Deposition/Movement
- · First Flush Structure
- Natural Safety buffer at edge of water
- Variable depth water promotes various vegetation growth improves BMP
- Planned outflows
- Outlet allows "adaptive management"
- Low Maintenance Restoration (i.e. native grasses)
- Rain Garden
- Educational Opportunities/Community Asset
- · Look for opportunities to turn an eyesore into an asset
- Don't Hide it, Emphasis it (add picnic areas, trails, boardwalks, nature areas, kiosks, etc.)