

Going [back] to the Gemba for Continuous Improvement with Reality Capture

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SURFING THE WAVE OF LEAN DESIGN AND CONSTRUCTION

INSERT PRESENTATION DATE



Three Simple Steps of a Gemba Walk

Debrief Define walk Do the walk. the - Go See purpose & - Ask "what" then "why" walk prepare for it - Show Respect

Define the Walk Purpose & Prepare For It



- Why are doing the this walk?
- Who should be present
- What information should I bring on the walk
- What Tools do I need for the walk
- How do I capture what we are observing.

Do the Walk



- Go see (and have an extra set of eyes).
- OBSERVE
- OBSERVE
- OBSERVE
- Ask what? Then why?
- Show respect.
- Be "present."
- Have an extra set of eyes.



Recording & Developing the Most Appropriate Action Items

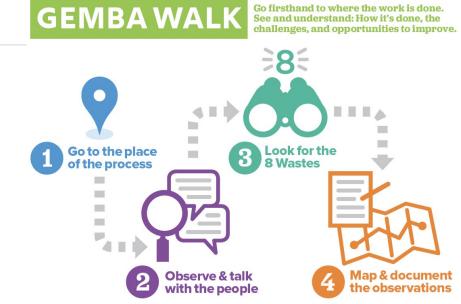
In the past we relied on notepads and memory.

- Introduces human error
- Not consistent across members
- Progress realized in silos

Now we utilize reality capture.

- Complete documentation of sites
- Centralized location for all stakeholders
- Quick and easy collaboration
- Scalable and replicable across teams

Utilization of a single platform facilitates collaboration among team members and allows them to view the walk + data remotely and provide input in near realtime



RETROSPECTIVE CONSIDERATIONS:



If you're doing something that's working for you, doing it.

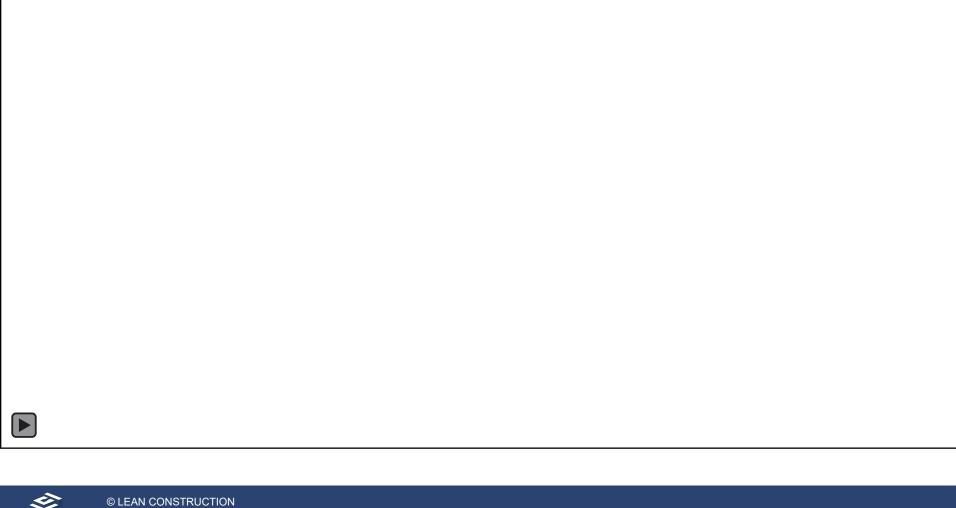
If there's something that might work for you if you did it,

START

doing it and see









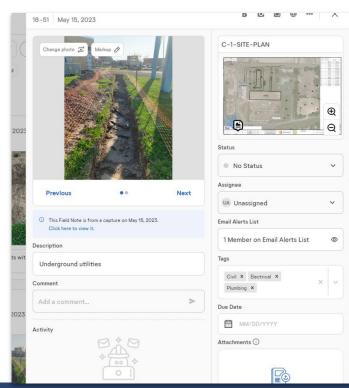
Debrief the Walk



Conduct a post-walk retrospective with the people involved:

- Is standard work in place and being followed?
- Does the process have the proper tools, materials and resources for the job?
- Were any of the 8 wastes observed?
- Are the people engaged and what is the mood?

Take action to identify and implement improvements



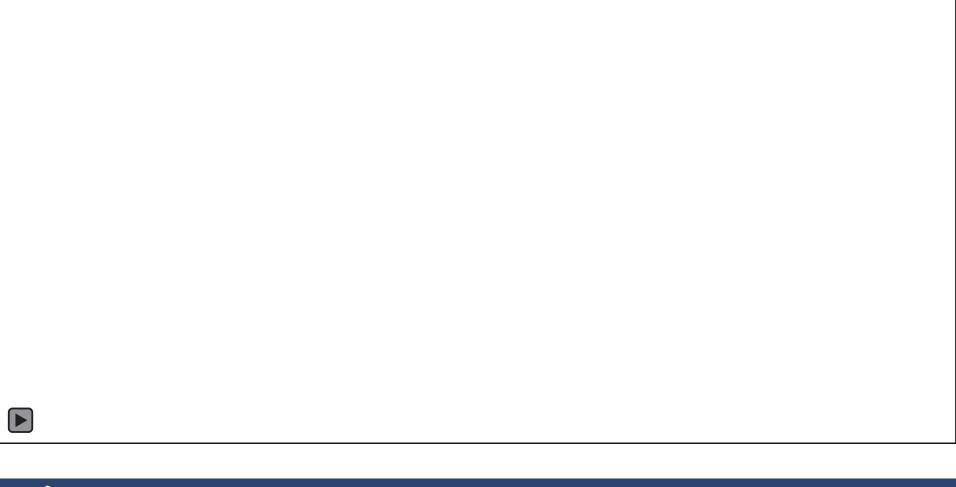
On the Walk...Tulane Hazard Mitigation Project

Purpose: UNderstand what's possible to infil several tight openings and pipe chases to mitigate flood water from getting into the basement.

The Right People: Designer, Engineer, Trade Representative, Owner

Problem: Trade representative could not be present

Tools: Plans on iPad, Tape Measure, OpenSpace Capture Camera and App.





How did this impact the field?

- Allowed for us to Optimize the whole despite key team members not able to be present at the walk
- Eliminated excess processing by providing 360° captures and notes in the field.
 - This allowed us to come up with key action items and resolutions during our debrief.

How can you apply this tomorrow?

• When conducting a Gemba, consider the tools at your disposal to best capture current conditions that can be analyzed during the debrief.

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Thank you for attending this presentation. Enjoy the rest of the 26th Annual LCI Congress!

