

PROBLEM

- Engineering With Nature solutions require improved communication tools for Districts, Non-Federal Sponsors, and the Public
- Traditional communications, such as drawings or presentation, are not quickly digested or well received
- Communication across different disciplines and expertise require new approaches

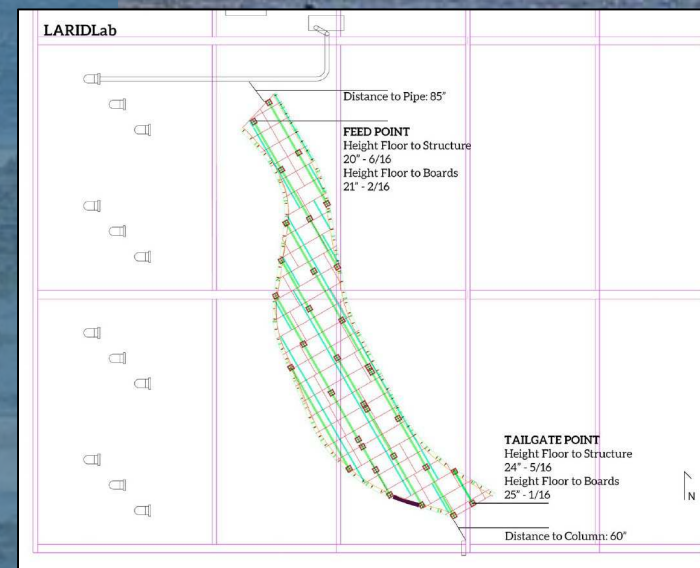
SOLUTION

- Couple ERDC's capabilities with academic partners to rapidly develop communication tools
- Develop augmented/virtual reality tool to better communicate EWN solutions
- Demonstrate these tools through existing project efforts

IMPACT

- Greater communication between all parties
- Greater response to the value EWN solutions provide for social/human health
- Greater adoption of EWN solutions

Applying AR/VR Technology to Expand Adaptation of EWN Goals and Projects: Los Angeles River



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WHAT'S NEXT

Finish assembly of the University of Southern California/ERDC Los Angeles River model and begin development of augmented reality space

APPLICATIONS

- These tools will digest engineering, ecological, and land use inputs to build a augmented or virtual reality for the evaluation of design
- Currently building an application for the USC/ERDC Los Angeles River model
- First augmented reality efforts will be applicable for physical models efforts with generalization allowing for expansion to numerical simulations/studies

STATUS

- USC/ERDC Los Angeles River Model Construction at 50%
- Final Model Assembly and Kickoff in December
- Ongoing engaged with ERDC's DIVE Team

BENEFITS

- Greater EWN solution adoption
- Improved communication across diverse user/stakeholders
- Ability to demonstrate final project options
- Greater consideration for social benefits
- Greater buy-in on techniques or design that are not standard