

CEEn-2018CPST-012

SPRINGVILLE IRRIGATION CANAL BREACH MITIGATION

Centilium Engineering

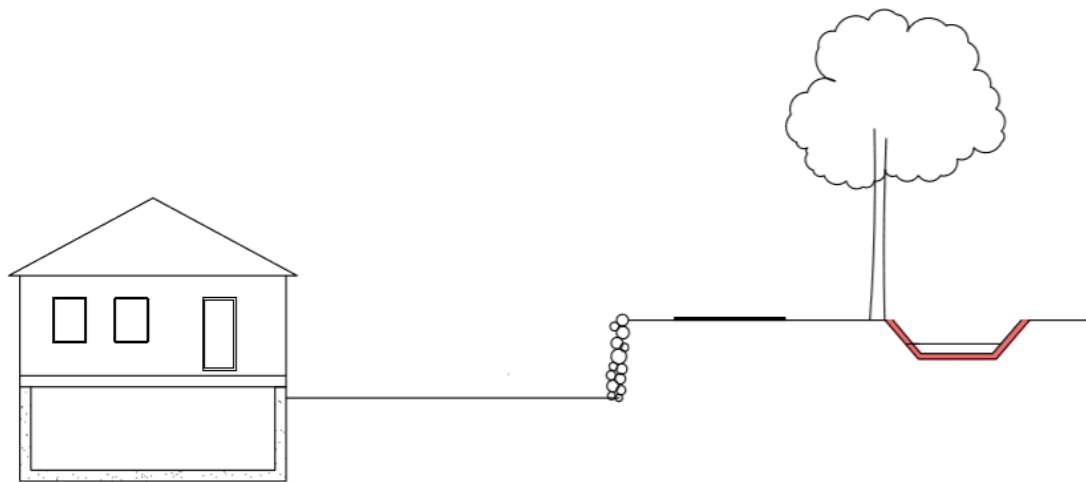
Max Barnes

Reed Reimshussel

Meghann Morgan

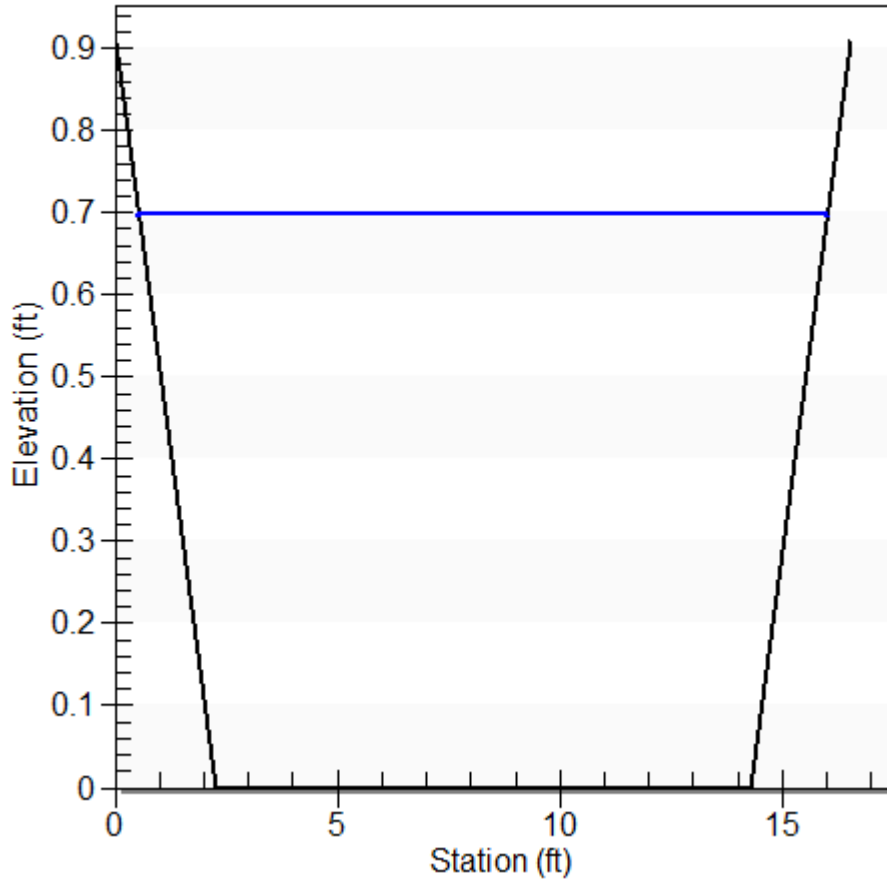
Delila Lasson

Introduction

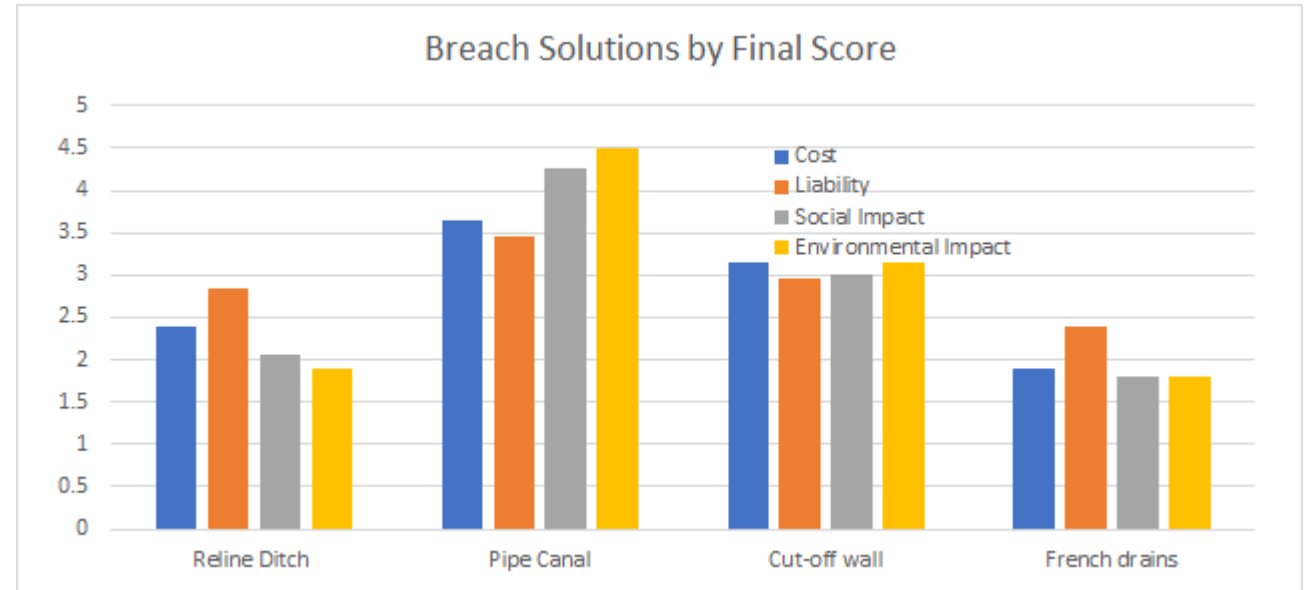


Design, Analysis and Results

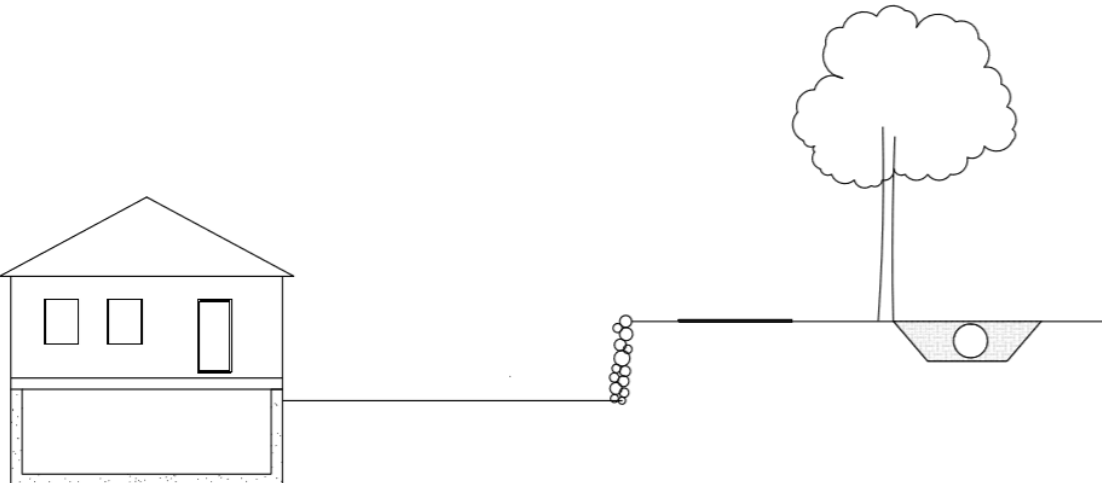
Trapezoidal Channel



Pipe the Ditch	
Pipe	\$62,858.70
Compacted Fill	\$61,694.65
Labor	\$504,000.00
Restoration	\$4,500.00

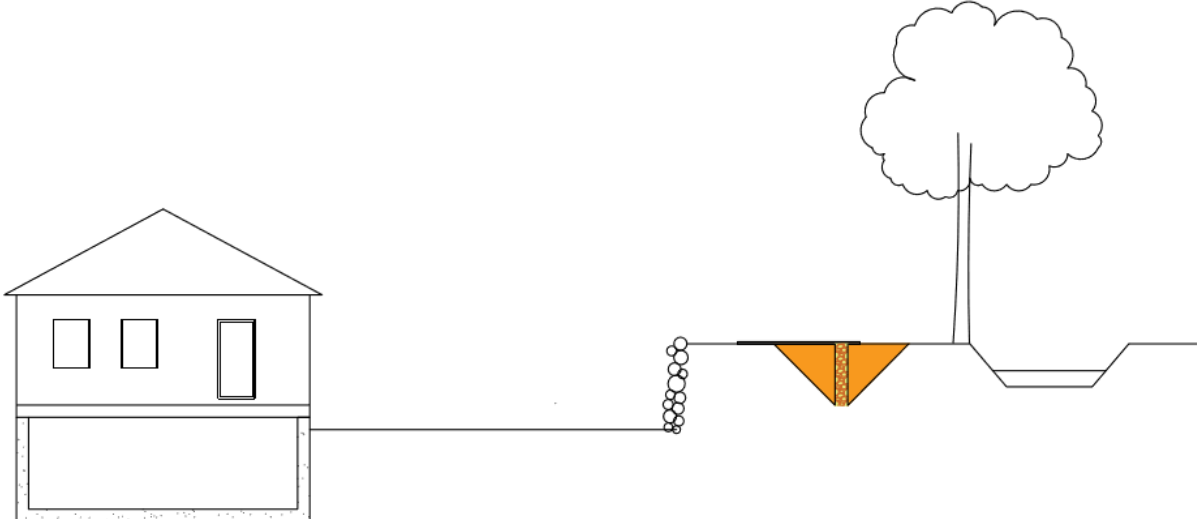


Conclusions and Recommendations



Pipe full length of canal
Pros- Low Maintenance, lowest risk option
Cons- Large initial cost

French drain
Pros- Cheap, minimal construction impact
Cons- does not prevent low probability/ high risks



The End