EXPLORATION GREEN

STORM WATER DETENTION PROJECT BY THE

CLEAR LAKE CITY WATER AUTHORITY
No Single Answer To Flooding

When Water Falls From the Sky, It Has To Go Somewhere And It Always Seeks The Lowest Point

For Local Government, It’s About Looking for Opportunities and Seizing Them Quickly
Like What?

Establish Realistic Storm Water Detention Requirements By Watershed

Stop Using Terms Like “100 Year Flood Event”
– The Clear Lake Area Has Had Eight “100 Year” and Four “500 Year” Flood Events in the Last 50 Years

Stop Allowing New Development in Flood Plains
Find Ways to Retrofit Developed Areas With Detention Facilities
Create Public Support With Multi-purpose Green Space Detention Design
CLCWA Recognized A Narrow Window Opening and Purchased a 178 Acre Closed Golf Course In the Middle of Subdivisions Built Before Detention Was Required

Detention Ponds Are Designed To Hold Total Of 500 Million Gallons of Storm Water

Fewer Homes Flooded And Streets Passable
First Phase Under Construction
Hurricane Harvey
Hits
Clear Lake
First of Five Ponds 85%
Finished Day Harvey Hit
It Worked As Designed !!!
Learnings

Status Quo Is No Longer Acceptable

Every Detention Area Should Be A Green Space

Everyone Is A Partner

In The Battle Between Man and Nature, Nature Always Wins – Work With It As A Friend