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The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. They are located in the top-left, top-center, and bottom-right areas of the page.

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



Recreation Center

100ft 200ft 600ft





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**



