

# Wayne J. Crouch Environmental Services

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JAN - 5 2017

## ALTERNATIVE ANALYSIS

### Townsen Ditch Relocation US 59 @ Townsen Blvd. Humble, Texas

The current location of the Townsen Drainage Ditch cuts across the property that is being developed for commercial use. It separates the southeast corner of the property from the main body of the site.

The small separated parcel is not usable for the development of the commercial site in its current configuration. The large footprint of the proposed building for that portion of the property can not be constructed with the ditch in its current location.

The current ditch will be filled and a new ditch excavated next to the US 59 south bound feeder road. The new ditch will provide the same hydrologic services as the current ditch.

Alternative one would be to do nothing. This not acceptable as it takes a valuable piece of commercial property and reduces its value and potential use, due to it being separated from the main commercial site.

Alternative two would be to find a different location for the building proposed for that location. This is not feasible since the use of the entire property has been planned with plumbing, electrical, drainage, etc. and reworking the site configuration would not only be expensive but would cause a construction delay that would cause a financial hardship on the property developer.

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Alternative three would be to build a bridge across the ditch and connect the two pieces of property. This is not feasible due to the size of the proposed building for that section of the site.

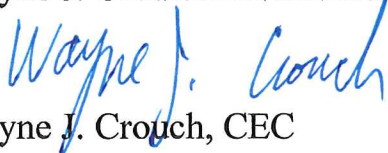
It is not practicable to leave the ditch in its current location. There is no alternative to moving the ditch. Its location causes a financial hardship on the property developers.

The new ditch will perform the same hydraulic functions as the current ditch.

The current drainage ditch contains 0.465 acres of jurisdictional wetlands. The proposed drainage ditch will contain 0.355 acres of jurisdictional wetlands. The two drainage ditches will have the same dimensions, except that the new drainage ditch will be 321 feet shorter in length. The new drainage ditch will have 0.1 acre less wetland capacity than the new ditch. No mitigation will be conducted.

Sincerely,

Wayne J. Crouch Environmental Services



Wayne J. Crouch, CEC

President

Certified Environmental Consultant