



### Meeting Summary

**TYPE OF MEETING:** Follow Up Meeting to Discuss any Fatal Flaws caused by the Aquifer or Underground Canals

**DATE:** Tuesday, August 7, 2015

**TIME:** 9:30 AM

**NAME:** Charles DaBrusco PE, Director of Environmental Services

**OTHER MEETING PARTICIPANTS:** None

**LOCATION:** 200 Goolsby Blvd., Deerfield Beach, Florida 33076

**PROJECT TEAM MEMBER PARTICIPATION:** Jeff Weidner, Marlin Engineering

**PRIMARY CONTACT FOR FOLLOW-UP:** Charles DaBrusco, PE, Director of Environmental Services

**Meeting was requested by the project team to understand potential limitations caused by underground culverts and the pump station to the Biscayne and Florida Aquifer.**

Jeff Weidner provided a quick briefing on the Consensus effort. He indicated that through discussions with other groups some have mentioned a potential roadway depression to separate through traffic from local traffic.

Mr. Weidner indicated that he had asked for this meeting to get information from him on the recently constructed pump station east of 28<sup>th</sup> Avenue on south side of the roadway, the canal adjacent to the pump house and whether any underground water movement would create an impossible situation (fatal flaw) that could not be overcome through engineering and design.

Mr. Dabrusca indicating the following information:

- a. There are actually 2 locations where culverts run underneath the roadway. One just west of Powerline Road and the other east of 28<sup>th</sup> Avenue;
- b. The pump station is a generator used to access raw water from the Florida and Biscayne Aquifer and is not associated with the drainage canals;
- c. The culverts could be designed to go below a potential depressed roadway and natural gravity would cause the water to flow;
- d. He further indicated that the aquifer was so far underground that a proposed depressed roadway would pose an issue;
- e. He indicated that the Team should contact Broward County Surface Water to get their input.
- f. Mr. Dabrusca also indicated that the communities west of Powerline Rd. need some access improvements

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