

**From:** [Harmon Rita T.](#)  
**To:** [Don R. Briggs](#)  
**Cc:** [Daggett, Kevin](#); [Catherine VerEecke \(cvereecke@bernco.gov\)](#); [Robert Pierson \(rpierson@bernco.gov\)](#); [Bingham, Brad](#); [Abiel X. Carrillo](#); [Biazar, Shahab](#); [Jeff Wooten \(jeffwooten.pe@gmail.com\)](#); [Harmon Rita T.](#)  
**Subject:** FW: 98th & Central Basin and Amole Del Norte Dam  
**Date:** Monday, November 30, 2015 3:20:35 PM  
**Attachments:** [Sheet 8 - 98th St Plaza - SD Plan.pdf](#)  
[Final basin map fr Hensley K08D003.pdf](#)  
[98th Street Plaza \(CPN 676284\): Comprehensive Email Summary of Findings for Existing 36" Storm Drain.pdf](#)  
[98th St Plaza - Basin Map for 36inch HGL Analysis Signed.pdf](#)

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Don,

In September I emailed you the *Paradise RV Park Drainage Report, 2015 by Ron Hensley* drainage report that established allowable flows in the 98<sup>th</sup> & Central Basin .

An Applebee's is currently being constructed along 98<sup>th</sup> St. just south of Avalon. The drainage report (K09D038) and subsequent drainage capacity studies (attached) identify that the 36" Storm Drain in 98<sup>th</sup> does not have capacity to convey the 100 year storm. At the time this project went through DRB, it was determined that upsizing the pipe was an unfair burden to the developer, as the development just to the north was not required to upsize the infrastructure.

In going through the DRC process, the engineer, Wooten Engineering, was asked to determine the HGL in the existing pipe using the Existing Conditions analysis from the Hensley Drainage Report. (See Existing Basin Map from Hensley Report). The engineer has summarized his findings on the attached email.

His letter states that the Basins that discharge to 98<sup>th</sup> St. need to be restricted. All but one of those basins are within the County's jurisdiction. I have attached the "Final Basin Map" From the Hensley Report to help you identify those basins.

The City's Hydrology Section is requesting that the County restricts developed discharge from these Basins according to the findings of the Wooten Engineering analysis.

Respectfully,

***Rita Harmon, P.E.***

*Senior Engineer*

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**From:** Harmon Rita T.  
**Sent:** Friday, September 25, 2015 12:07 PM  
**To:** Don R. Briggs; 'Bingham, Brad'  
**Cc:** Robert Pierson; Daggett, Kevin; Eisenberg, Jame J.; ron@thegroup.cc; 'Catherine VerEecke'  
**Subject:** 98th & Central Basin and Amole Del Norte Dam

Don,

A copy of the [Paradise RV Park Drainage Report, 2015 by Ron Hensley](#) is being provided to the County to serve as a Master Drainage Plan for the 98<sup>Th</sup> and Central Basin. Development within the County's jurisdiction will need to adhere to this report.

Discussions with the County Planner, Catherine VerEecke, indicated that while Zoned A-1 (1 dwelling unit per Acre) that it is anticipated this undeveloped property will be much denser. A new zoning plan is in the works. The City recommends using the [Paradise RV Park Drainage Report, 2015 by Ron Hensley](#) to establish appropriate use.

Attached is a summary of the analysis as well as the approved Drainage Report.

Brad,

The [Paradise RV Park Drainage Report, 2015 by Ron Hensley](#) establishes that the discharge out of the dam in the ultimate condition is 70 cfs. Therefore 48 cfs, rather than 75 cfs (per earlier emails) , will need to be absorbed by the new HEC-HMS study.

Sincerely,

***Rita Harmon, P.E.***

*Senior Engineer*

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