Notes on J08-D005

A. Review/comments on report approved for Work Order

1. Strom drain HGL was designed using Stormwater Studio. What is that?

2. Existing conditions DMP:

a. Subdivision is in UD.5b and L9.1A from a DMP.

b. Flows from OS.5a, UD.5A and OS.5b will drain into Arroyo Vista Blvd going pas the development: 121 cfs + 271 + 202 =606 cfs

3. It appears that basins UD-5b an d OS-5A from the DMP are to drain into Arroyo Vista Blvd/WAHL Pond/baseball field pond, a berm is deiverting them to ?????

B. Existing conditions basin map for Inspiration:

 a. Offsite basins west/NW of Inspiration
 1, OS-1 10 acres 16 cfs-OK (wrong on basin map 11cfs) shows it draining to Arroyo Vista Blvd. There is no mention of Basin )S-1 in the Developed condition.

 2. From DPM Zone 1 A- 1.54 cfs/ac, B 2.16 cfs/ac, C 2.87 cfs/ac D 4.12 cfs.ac

 A CN=77, CN=79 C cn

 3. OS-2- has flow arrow into subdivision, but in reality the southern half drains to Arroyo Vista Blvd. 1.5 acres 4.0 cfs on basin map 2.0 cfs in report. Basin got driven on when walls were built so land treatments changes to 80%C 20%B for the portion that drains to Arroyo Vista (southern half). The southern half drains to Basin U2-H rather than to u2-M as stated in the report.

 4. Basin U2-H should be cut into two basins as the NW portion will drain to a new swale that moves the drainage from the wall to the west to enter Arroyo Vista Blvd at the terminus.

 5. 26 cfs draining to the inlet at the east end of the median swale.

 6. **Report states (P. 9 paragraph 2)that the median swale is temporary, therefore we need an Agreement and Covenant. It is not on the IL.**

 7. Swale on north side 10+ cfs, Arroyo Vista Blvd hard to tell 25+ cfs.

 8 **Add a discussion for Basin OS-1 in the report. Where is it to drain? Appears to be OK to drain to WAHL pond.**

C. The report Does not discuss ultimate condition for Arroyo Vista Blvd to accommodate flows form properties that will develop west/uphill form Inspiration Subd. IT seems that Inspiration Subd should have installed storm drain across their frontage to accommodate flows from Arroyo Vista fronting the subdivision as well as flows form the west/uphill.

Grading plan:

Sheet 2: amend to move drainage away from the wall and have flows enter Arroyo vista Blvd with little sediment**.**

**Now…on to Yolanda’s submittal**