



County of San Diego

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July 7, 2011

TO: Dennis Campbell, Project Planner
Department of Planning and Land Use (O650)

FROM: Nael Areigat, Project Manager
Department of Public Works (O336)

SUBJECT: **TM 5354, GPA 04-02, SP 04-01; REZ 04-004; STPs 04-005, -006, -007 – MEADOWOOD- Review of Updated Hydromodification Management Plan, HMP, DPLU Received 6/24/11**

The following comments apply to the: Updated Hydromodification Management Plan, HMP, DPLU Received 6/24/11 for TM 5354 MEADOWOOD.

On behalf of the Department of Public Works, DPW, WEST Consultants reviewed the updated Hydromodification Management Plan HMP analysis for "Meadowood Vesting Tentative Map, (VTM) based on the Final Hydromodification Criteria (HMC). The following documents were reviewed:

1. "Meadowood Vesting Tentative Map, (VTM) Hydromodification Management Requirements" dated June 23, 2011, letter report prepared by Rick Engineering Company.
2. Continuous simulation model digital files prepared using the 2011 San Diego Hydrology Model (SDHM) software, version April 2011. The files were provided on a CD in Attachment 4 to the letter report.

The following items were checked and found to be reasonable and in compliance with the Final HMC:

1. The SDHM model printouts provided in Attachment 2 were found to be consistent with the model files provided on CD in Attachment 4.

2. All models were rerun in SDHM, Version 2011/6/22, and the model output remained consistent with the model printouts in Attachment 2.
3. The correct upper and lower thresholds (per the Final HMC) were confirmed to be in each model.
4. The HMP volumes based on the Final HMC, which listed in the summary table on page 2 of the letter report, were found to be consistent with the model output.
5. Attachment 3 was reviewed and the revised rating curve in HEC-1 for Detention Basin 7A was found to be consistent with the values found in the revised HMP analysis for Basin 7000A.

One apparent error was found in the SDHM input data:

1. The Basin_8B model has a riser diameter of 6429 inches (approximately 536 feet) for Gravel Trench Bed 2.

WEST Consultants ran the Basin_8B model using a riser diameter of 6.429 inches (rather than 6429 inches) to see how the overall results would be affected. While the results for Gravel Trench Bed 2 changed the overall HMP results for the Point of Compliance (POC) were not affected by this revision. Therefore, the computed Basin_8B HMP volume is reasonable.

In conclusion the SDHM model output and the HMP volume results provided in the letter report appear to be reasonable. The riser diameter for Gravel Trench Bed 2 in Basin_8B should be corrected; however revised submittal is not warranted or required.

If you have any questions regarding these comments, please contact Jerry Moriarty at (858) 495-5141 or jerry.moriarty@sdcounty.ca.gov.



Nael Areigat
Project Manager

NA: JM

cc: Anthony Barry, DPW (O326); Jeremy Fantaroni, DPW Watershed Protection Program (O384); File: TM 5354 (GPA 04-02, SP 04-01; REZ 04-004; STPs 04-005, -006, -007).