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TELEPHONE CONVERSATION RECORD

CONTACT NAME	Rob Holt	DATE	February 9, 2005
PHONE No.	(760) 922-4658	PWA STAFF NAME	Mark Lindley
COMPANY	The Holt Group (consultant for BEP I)	PROJECT No.	1508 - CEC Blythe
TITLE		PROJECT NAME	CEC BEP2
RE	BEP2 – Supplementary Storm Drainage Calculations		

CONVERSATION SUMMARY

Background

The supplementary storm drainage calculations for BEP I submitted by Rob Holt include an "as-built" (according to Rob Holt) Stage-Area-Volume chart that documents the full capacity of the retention basin. This new SAV relationship is somewhat different than the version submitted by the Applicant in response to DR 163. Apparently the constructed basin had side slopes of 3:1 as compared to the initial plans that called for 2:1 slopes, and the "as-built" basin has somewhat less capacity than reported by the Applicant. At elevation 333 feet, the basin provides 89.6 acre-feet of storage with 2 feet of freeboard below the 335 feet perimeter elevation. Given the measured percolation rate at the site of about 12.5 acre-feet per day, the basin should be able to contain the 96.6 acre-feet of runoff predicted for the 100 year storm.

Conversation

I faxed Rob Holt the original capacity calculations submitted by the Applicant and walked him through the calculations. The error in the calculations that led the Applicant to determine that a 55 acre-feet basin could contain 97 acre-feet of runoff volume was easily identifiable to Rob. Rob apologized that they did not catch the error during their review of the calculations. It was good to walk through this with an engineer from BEP.

Rob and I discussed one other issue that was identified in the supplemental calculations. Based on the erroneous capacity calculations, the Applicant indicated that up to 3.5 feet (24.25 acre-feet) of sediment could accumulate in the bottom of the basin before BEP would need to remove the accumulated sediment. Rob and I agreed that BEP should remove accumulated sediment more frequently because the basin does not have any spare capacity to contain sediment and the 100 year runoff volume. Rob suggested that we should handle the issue in a Condition of Certification that requires removal of accumulated sediment when 0.5 to 1.0 feet (2.1 to 4.3 acre-feet) of sediment has accumulated in the basin.

Telephone Conversation Record
Rob Holt – The Holt Group for BEP I
February 9, 2005

CONVERSATION
SUMMARY – Cont.

FOLLOW-UP ACTION I plan to update the FSA to reflect both the actual capacity of the basin and to include the
agreed upon Condition of Certification.

ROUTE TO: Richard Sapudar – CEC