

SITE VISIT MEMORANDUM

Date: Mon June 14, 1999

From: JDR

**RE: Grading Observations
Grayson Ridge Estates, Subdivision 8123**

I arrived onsite around 8:45 AM and met with Pat Drumm and Rick Spencer (Const Manager). Last Thursday and Friday the contractor had attempted to excavate a canyon cleanout through Lot 3 with two CAT 631 scrapers, on Friday switching to excavation of the south keyway, along the south property line. The scrapers could only excavate to a position about -18 feet below existing grade. Decision was made to deepen a "notch" below this level, to chase some black-green organic horizons encountered intermittently in the deepest part of the keyway, along axis of the old swale/canyon cleanout.

On Mon AM the contractor was excavating the keyway notch in the south property line keyway with a CAT 225 excavator. They were excavating with a 2-ft wide rock bucket with teeth, and decided to switch to a 3 ft wide soil bucket, made change between 9:30 and 10 AM. I left for breakfast at 9:30 and returned at 10:25 AM, then stayed till 11:45 AM.

The contractor excavated the keyway notch about 30 feet square on a bearing of N 62 W of existing drop inlet in B-58 ditch behind Raker Residence on Donkey Flats Court. The east wall of the 30 ft notch was about 12 feet west of the drop inlet, and measured about 24 feet square at the bottom, about -24 feet below grade. It was about 30 feet square at -18 ft level. Pat and I had them excavate another 2 feet, into some wet brecciated siltstone. They never got out of old slide materials, although the bedrock appeared competent. Since out subdrain outlet is proposed at -3 feet, beneath the v-ditch drop inlet, we were subexcavating material that was going to be replaced with engineered fill and left undrained. Pat and I decided to call it quits at -26 feet, in a smaller notch about 5 feet square. We will have another 20+ feet of fill on slope at back of Lots 2 and 3 at this location, for total depth of fill of up to 46 feet.

I returned to the site around 1:40 PM on Mon. I surveyed backcut slope with my Brunton between 1:45 and 2 PM. They began backfilling at 2:10 (waited for Alloquot to survey the floor of the keyway notch between 1:30 and 2:20 PM).

The contractor used the CAT 225 bucket to compact the lowest 2 feet of notch, then switched to the CAT 815 pad roller and the CAT D-8L. City Engineer Leary Wong paid us a visit at 2:20 PM.

The contractor backfilled the canyon cleanout and keyway notch to -16 feet by 3:45 PM, when the day's shift ended.

I spoke to Alloquot's survey team and made them a sketch of the keyway notch, since they had not been there to actually survey the very bottom. Informed them of my orange paint reference lines at -12 and -18 feet. They could see the -12 feet line from their station up the slope. They shot the existing south v-ditch and the slopes adjacent to it. I left the site at 3:45PM.