Janna Scott

From: Mike Crehan [mcrehan@psomas.com]
Sent: Tuesday, June 30, 2015 10:46 AM
To: Janna Scott
Cc: Nick Garrity; Lindsey Sheehan; Kimberly D. Comacho; Terri Avila
Subject: RE: Ballona: utilities-related clarifications?

See responses below in RED.

Michael J. Crehan, PE
PSOMAS | *Balancing the Natural and Built Environment*
Vice President/Principal
555 South Flower Street, Suite 4300
Los Angeles, CA 90071 | 213.223.1445
www.psomas.com

From: Janna Scott [mailto:JScott@esassoc.com]
Sent: Monday, June 29, 2015 6:45 PM
To: Mike Crehan
Cc: Nick Garrity; Lindsey Sheehan; Kimberly D. Comacho; Terri Avila
Subject: Ballona: utilities-related clarifications?

Hi Mike,

The person conducting our utilities and service systems analysis has raised a few questions we're hoping you can help us with:

- Do you know what, if any, stormwater drainage or erosion controls are in place (existing conditions) in the areas where the parking structure would be built and where the West Culver parking lot improvements would occur? There is nothing along those lines there now.
- Approximately how much water would be needed during construction for such things as dust suppression and drinking water for workers? (This question is not about irrigation for plantings –we have that estimate). Dust control is variable depending on the weather and soils conditions. Since a great deal of the grading will be conducted in wet conditions, and we will be using around 50 acres on a rotating basis to dry soils out for a good deal of time, we will definitely need less water than average. An average amount for dust control water use is usually expected to be between 1,500 and 2,000 gallons per acre per hour during the work day, so maybe eight applications per day averaging about 14,000 gallons per day per acre. I would estimate about half that for our conditions. Drinking water is nearly insignificant next to that, assume 5 gallon per day per person.
- There is a question about whether Alternatives 1, 2, and 3 include drinking fountains and bathrooms in three locations. Has anyone talked with you about this? I think a while back this was brought up. My memory is that we were talking about at the two parking lots in West Area B and West Area A, and at the ball fields. We will be checking with the PMT of course, but I'm just trying to figure out whether that's real thing that has been part of discussions for a while, or whether it was a more recent aside that got swept up and carried forward. Only select locations could easily support drinking fountains or restrooms, others would be more challenging. The easy places are: 1) Anywhere along Fiji as there are public sewer and water along there. 2) The parking lot in West Area B. For water fountains, there is a waterline along Lincoln (no sewer though). More challenging locations would be anywhere else as there is no water or sewer in Culver (entire length) or Jefferson west of Lincoln. If we want to place drinking fountains and/or restrooms in other locations a water line would need to be run a long way. For sewer, we could either use a holding tank and have a vacuum truck pick up effluent on a daily or weekly basis, or have a small pump and pump effluent to the nearest public sewer. Obviously water service lines and sewer discharge lines might be hundreds to thousands of feet long depending where restrooms/fountains are desired.

Many thanks for your input!

Janna Scott
ESA | Water & Energy
415.962.8453 direct