



September 17, 2020

Justin Van Mullem
City of Santa Barbara Parks and Recreation
620 Laguna Street
Santa Barbara, CA 93101

Dear Justin,

The applicant submitted a Preliminary Sewer and Water Demand Study, prepared by RMM Design Group dated July 13, 2020 and a Landscape Plan (L-9) dated July 2020.

Irrigation Existing and Proposed Water Demand

- Recycled water for existing pre-drought irrigation demand is approximately 1,567,920 gallons/year or 4.81 AFY
- Recycled water is proposed for irrigation approximately 1,147,041 gallons/year or 3.52 AFY
- Potable water is proposed for “irrigation” to clean the synthetic turf field (assume 5 minutes for cleaning once per week) with an annual demand is approximately 215,800 gallons/year or 0.66 AFY
- Total proposed irrigation using recycled and potable water is 1,362,841 gallons/year or 4.18 AFY

Conclusion: Irrigation water use existing is 4.81 AFY and proposed is 4.18

ATF. Potable Water Demand Existing and Proposed

- Existing potable water use (2013 pre-drought meter reading) is approximately 621,630 gallons/year or 1.90 AFY

Buildings Proposed Water Demand

- Potable water demand for the proposed building was determined using the City of Santa Barbara’s Water Demand Factor Report for commercial structures of 0.17 AF/Yr/1000 square feet. The water demand is 193,880 gallons/year or 0.60 AFY

Aquatic Facility Proposed Water Demand

- Recirculated water is proposed for use in the splash pad to assist in water conservation
- Pools will be covered when closed to reduce evaporation
- Potable water demand for the proposed wading pool, swimming pool, water slide and splash pad is approximately 223,160 gallons/year or 0.68 AFY
- Aquatic facilities require backwashing of filters, assume 212,200 gallons/year or 0.65 AFY

10 East Figueroa Street, Suite 200, Santa Barbara, CA 93101

p: (805) 963-8283 • f: (805) 963-8184

www.rmmdesign.com

a California corporation • Lenny Grant, Architect C26973 • Robert Camacho, PE 76597 • Steve Webster, LS 7561 • Jeff Ferber, LA 2844



- Total proposed demand for potable water is 435,360 gallons per year or 1.33 AFY.

Conclusion: Total existing potable water use for the aquatic center and buildings is approximately 621,630 gallons/year or 1.90 AFY and the proposed demand for the aquatic facility and buildings is 629,240 gallons/year or 1.93 AFY.

Sewer Demand – Existing and Proposed

Sewer use is not metered, so estimating the sewer demand is the equivalent to the domestic water demand. The sewer demand for the existing development on the site is 1.71 AFY. The sewer demand for the proposed project is estimated to be 1.74 AFY (based on 90% percent of water use).

Sincerely,

RRM DESIGN GROUP

A handwritten signature in blue ink, appearing to read 'Mike Hamilton'.

Mike Hamilton, PE, QSD/P
Manager of Civil Engineering Services
CA License No. 62696