planting;

- ☐ As-built plant schedule for the development's landscape program that includes the following key data:
  - Plant names (common and botanic);
  - Plant irrigation classification(s); and
  - Annual water demand.
- ☐ Manufacturer's data clearly indicating the type and extent of all irrigation equipment; and
- ☐ Extracts from the Operations and Maintenance Manual (OMM) identifying the irrigation timing and frequency, and the proposed application of mulch and/or moisture retention approach for soil amendments including type, location, extent of application, and frequency of reapplication (if needed) to maintain effectiveness.

Calculations and Methodology

The average landscape irrigation demand is determined as follows:

$$Average\ Irrigation\ Demand = \frac{I_S}{A_L}$$

I_S = Total annual average irrigation demand of soft landscape area (litres/day)
A_L = Landscaped area (m^2)

Note: In cases where species with different water needs are planted in the same irrigation zone (hydrozone), then the species in the highest water-need category determines the mean irrigation rate applied to that particular hydrozone in the Public Realm Water Calculator.

Landscaped area refers to the entire site, excluding roadways, cycle paths where these do not form part of the pedestrian realm, car parking spaces, building footprints and water feature areas, but including frontage, furnishings, edge zones and centre medians, and is made up of all hardscape and softscape areas.

The Evapotranspiration ETo (mm/day) yearly average rate for the project site must be determined using the reference map within Part 22, Appendix A of the ADM Irrigation Manual. If your ETo location is 'other' and an ETo rate is manually entered into the Public Realm Water Calculator, supporting documentation confirming the rate is appropriate for the proposed site must be provided.

References

- UPC (2016) *Public Realm Design Manual (PRDM)*. Abu Dhabi, UAE.
- ADM (2014) *Irrigation Manual - Volume I - Design Manual, Volume II-Operation and Maintenance Manual, Volume III-Technical Specifications, Volume IV-Standard Drawings*. Abu Dhabi, UAE.