

## Attachment A

### Scope of Services: Paso Robles water monitoring project for City of San Marcos

- 1) Texas State University (EARDC) will resume baseline monitoring at five groundwater wells (three are COSM wells and two are USFWS wells) and will collect samples for basic water quality, VOCs, and herbicides and pesticides. The six wells have been chosen so that sampling will occur both up- and down-gradient of the Paso Robles site and the associated construction.
- 2) Routine/baseline monitoring will occur 4 times during the contract period at approximately quarterly intervals, and will consist of basic water quality and chemistry parameters, as well as VOCs using Gore Sorbers: [https://www.agisurveys.net/About\\_Us.html](https://www.agisurveys.net/About_Us.html)
  - a. Herbicides and pesticides will be analyzed in one set of three routine/baseline samples from one COSM well and 2 USFWS wells.
- 3) Post-storm sampling will occur after one large storm. Basic water quality and chemistry and VOCs will be measured at all five wells, as well as in surfacewater discharging from Paso Robles via a small surface drainage.
  - a. Herbicides and pesticides will be analyzed in one set of stormwater samples at one COSM well, one USFWS well, and in one surfacewater sample.

The primary purpose of this monitoring program is to continue and build on the background sampling and monitoring performed by EARDC in 2012 (pre-development), and to monitor for potential changes in water quality during construction and buildout of Paso Robles and the associated golf course. Monitoring will occur under both normal flow conditions as well as during and immediately after large storm events that can cause rapid recharge into the Edwards Aquifer.

Sampling methods will duplicate those previously used by McCalla (Laura McCalla, MS Thesis, Texas State University, 2012), including appropriate methods and handling for Gore Sorbers and sampling for VOCs.

All data and findings will be reported to COSM within one month after the end of this contract, or after EARDC receives the last data from sample analyses, whichever is later.

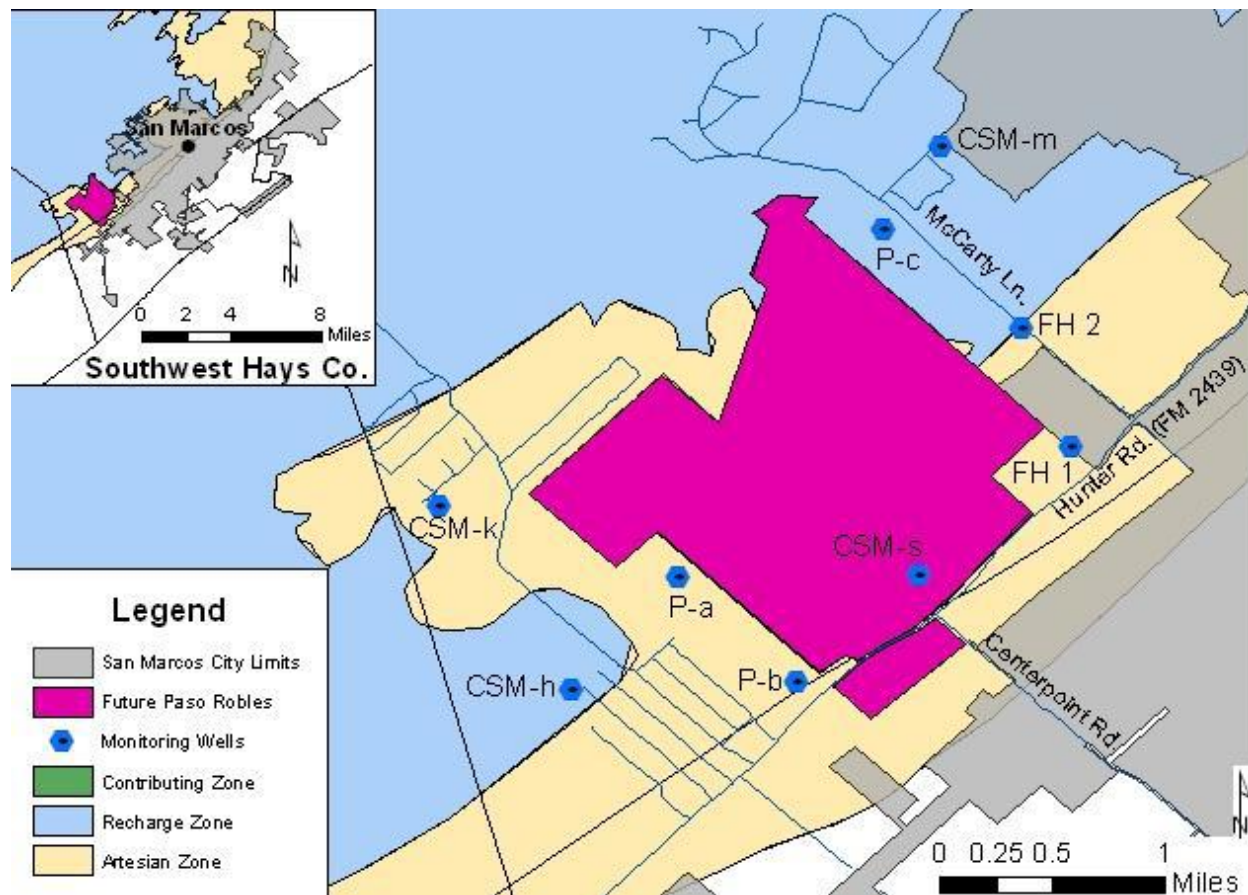


Figure 1: Sampling sites. Wells labelled CSM-h or CSM-k, CSM-s, CSM-m, FH 1, and FH 2 will be sampled during this study. Surfacewater sampling will occur at a drainage crossing along Hunter Road. Other wells shown in this figure were sampled by McCalla (2012). (Figure from Laura McCalla thesis, MS, December 2012)