Consultant shall prepare a Technical Memorandum summarizing the baseline data and delineating assessment criteria to be utilized in the site investigation. The report shall include GIS shapefiles/coverages and basemaps.

Consultant shall conduct a review workshop with the Study Participants to review concurrence on the data, assumptions, and screening criteria to be utilized in site investigations.

Task 4 – Preliminary Candidate Site Identification and Screening

Task 4A - Treatment Wetland(s)

Consultant shall conduct a preliminary survey to identify potential treatment wetland sites, screen the potential sites, and provide a list of preliminary candidate sites for development of treatment wetland(s).

Consultant shall:

- Give priority to consideration of public lands.
- Consider the proximity of surface water bodies which could provide wet weather discharge.
- Consider the benefits of the use of multiple wetland sites versus one site for the project.
- Consider the benefits of co-location of treatment wetland sites with recharge sites.
- Evaluate the potential for wetland site development as a wetland park.
- Give priority to site locations within the SJRWMD near the western SJRWMD boundary.
- Consider site accessibility from Public Right-of-Way (ROW).

The preliminary site identification and evaluation will utilize existing hydrogeological data. Due to property ownership and access limitations, no on-site hydrogeologic testing is planned for the initial assessments.

Consultant shall prepare a Preliminary Candidate Treatment Wetland Technical Memorandum, including calculations and GIS shapefiles and coverages, summarizing the methodologies and providing a list of preliminary candidate sites resulting from the treatment wetland site investigations. The memorandum shall include a site location map of the treatment wetland sites recommended for further evaluation.

Task 4B - Recharge Facilities

Consultant shall conduct a preliminary survey to identify potential recharge facility sites, including recharge well and land application facility sites (including RIBs and/or recharge wetlands), screen the potential sites, and provide a list of recharge well, RIB, and recharge wetland preliminary candidate sites

As directed by SJRWMD, the Consultant shall use NFSEG v1.1 model, influence coefficients and/or apportionment data to optimize recharge facility site selection. The recommended sites shall provide sufficient benefit to the Upper Floridan aquifer (UFA) to aid in the recovery of the LSFIR MFLs and enhance regional water supply.

Recharge Wells

Consultant shall:

- Prioritize consideration of public lands.
- Consider the proximity to water supply wells (including domestic self-supply and public supply wells) and well head protection areas.
- Consider site accessibility from Public ROW.

RIBs and Recharge Wetlands

Consultant shall: