

PLATE 4. Index maps to major geohydrologic features of the Study Area on **PLATE 1** Hydrogeologic-Map base (**PL. 4A**-ft and **PL. 4B**-m). The Mesilla, southern Jornada, and El Parabién GW Basin boundaries are in green, orange and violet, respectively. Thin blue contour lines show the approximate pre-development (~1976) potentiometric-surface altitude (20 and 100 ft on **PL. 4A**, and 5, 10 and 50 m on **PL. B**). Major surface-watershed divides are shown by solid and dashed thick blue lines. The dashed blue line with arrows in the maps' SW corner mark the approximate position of the regional GW-flow divide between Transboundary (El Paso del Norte) -directed, and Los Muertos Basin (EL Barreal) - directed underflow.