DISCUSSION DRAFT

POSSIBLE ROLE OF LOW IMPACT DEVELOPMENT (LID) TECHNIQUES IN EARIP

Recommended for consideration in the Minimization and Mitigation category of the HCP

Likely not sufficiently quantifiable to include as a stand-alone "action"

Water Quality Implications:

Can reduce future water quality degradation otherwise resulting from runoff from future urban development in both the recharge and the contributing zones

Can improve, over time, water quality of runoff from existing urban development if implemented through a retrofit approach, e.g., for redevelopment, in both the recharge and the contributing zones

Water Quantity Implications:

Can lessen the likely reduction in recharge resulting from future urban development in the recharge zone by helping to direct and control rate of runoff and by helping to protect specific areas with high recharge potential

Potential benefits less clear in the contributing zone; may be beneficial in particular circumstances (e.g., near the downstream edge of the contributing zone may be possible to direct and control rate of runoff to maximize recharge)

Implementation through a retrofit approach to restore recharge might have potential as a mechanism to offset future increase in exempt pumping that is not otherwise accounted for in management actions

Specific Implementation Challenges:

There is limited information currently available for quantifying water quantity benefits

Limited authority/capacity of likely ITP applicants to require use of LID techniques (TCEQ Edwards Rules?)

Need to identify innovative incentives to spur implementation

Might consider a pilot project approach that can feed into adaptive management