Green Stormwater Infrastructure Workshop	
Introduction to Urban Watershed Hydrology and Green Stormwater Infrastructure 9:00am- 9:50am	 Urbanization concerns Drought vs Desertification Flooding and soil loss Pollutants (sediment, heat, metals, petroleum products, nutrients, etc.) Urban heat island effect Habitat loss Green Stormwater Infrastructure Benefits Reduced flooding, increased infiltration, passive irrigation Shading/cooling, pollutant remediation, habitat improvement Improved commerce
GSI Design Considerations 10:00am- 11:15am	 Rain garden and Bio-retention design considerations Area, volume, and direction of runoff Basin volume Inlets, sediment traps, and soils Soil texture and structure, porosity and infiltration, nutrient improvement, moisture retention case study Vegetation and soil selection Moisture needs vs tolerance to flooding, rooting volume, nutrient improvement, pH, pollutant removal, pollinator habitat Additional details Outlets, stormwater daylighting, traffic control, maintenance, utilities, etc. Passive stormwater catchment at a residential scale Minor active storage (i.e. rain barrels), stormwater conveyance away from building foundation, vegetation considerations (e.g. shade aspect, food, pollination), etc. Rain gardens in public right-of-way near sidewalks
Lunch 11:15am- 12:00pm	Part of this time can be used to travel to the first field trip site.
Site Visits: 12:00-1:45pm (Existing GSI); 2:00-3:00pm (Practice assessment); 3:00-4:00pm Return to presentation location for project design and final questions	 Field trip to view design pros/cons of rain gardens and bio-retention basins Aspen Drive Office Condominium rain gardens (2016): 1925 Aspen Dr. ECO School parking lot rain gardens (2023) & SFHS student parking lot rain gardens (2019); 2301 W. Zia Road Camino del Bosque bio-retention basin (2015): 2829 Camino del Bosque General Miles Park rain gardens (2018): 914 Camino Carlos Rey Site Assessment and Design NM State Library: 1209 Camino Carlos Rey (just north of General Miles Skateboard Park)

