Minimum design pipe diameter at J1 [Average Expected 100-yr RI] Minimum design pipe diameter at J2 [Average Expected 100-yr RI] 00000 00000 Atlas14 Hydraulic Relability Hydraulic Relability Fitted GEV with observation Fitted GEV with Covariate 0.99 0.99 GFDL-ESM2M.WRF MPI-ESM-LR.RegCM4 MPI-ESM-LR.WRF 0.9 0.9 CCSM4 0.61 0.61 0 0 15 20 25 30 35 40 45 15 20 25 30 35 45 40 Catchment Area 1 Pipe Diameter (inches) Catchment Area 2 Pipe Diameter (inches) Minimum design pipe diameter at J3 [Average Expected 100-yr RI] Minimum design pipe diameter at J4 [Average Expected 100-yr RI] 0 00 0 0 0 000 0 0 Hydraulic Relability Hydraulic Relability 0.99 0.99 0.9 0.9 0.61 0.61 0 0 15 20 25 30 35 40 45 15 20 25 30 35 40 45 Catchment Area 3 Pipe Diameter (inches) Pipe Diameter at J4 (inches)