RESILIENT and LIVABLE BRANDYWYNE VILLAGE

HISTORY OF VULNERABILITY AND OLD HOUSING STOCK

History of water connection Vulnerability analysis



Old housing stocks

HUD Apartment's Types

Family
Senior
NOAH
(Neighborhood of Affordable Housing)

Flood (1% 40inch)



Current housing typoligies

= 1 unit





CURRENT CONDITION AND ISSUES

CONCEPT

Impermeability



METHODS FOR PERMEABILITY INCREASE

Stormwater Planters and Parkway Bioswales





Street Trees



Stormwater Parks



Green Roofs

District Stormwater Management



Permeable **Pavement**









DIFFERENT TYPES OF PLANS



DENSITY: 415 units GREEN SPACES: 92% of the site FLOOD RISK: 27% water run off

DENSITY: 900 units GREEN SPACES: 51% of the site **FLOOD RISK: 67% water run off**

DENSITY: 492 units GREEN SPACES: 64% of the site FLOOD RISK: 59% water run off

METHODS FOR FLOOD RISK MANAGEMENT

Ground Floor Planning



Flood Water Storage





Drainage













AMBITIOUS IDEA: CONNECTION AMONG THREE WATER FRONTS