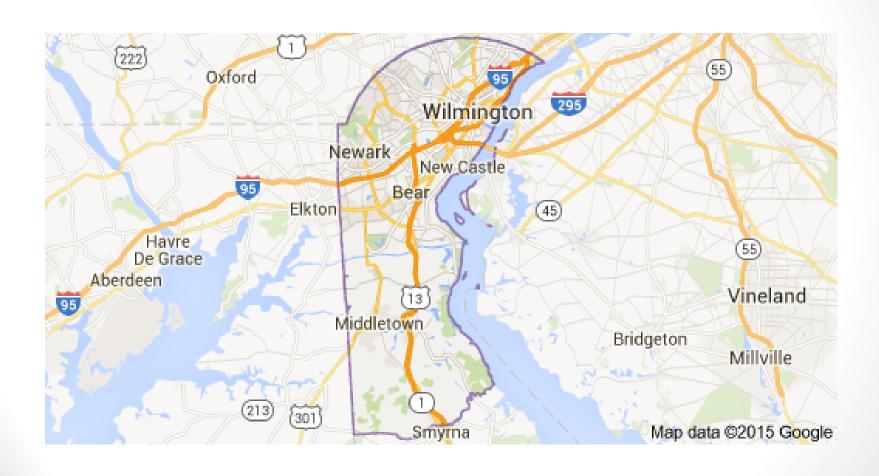
COST SHARE FUNDING FOR URBAN WATER MANAGEMENT

NEW CASTLE CONSERVATION DISTRICT 2430 OLD COUNTY ROAD NEWARK, DELAWARE 19702



New Castle County, Delaware



History and Types of Funding

- Cost-Share Program and 21st Century Project Funds provided in annual State Capital Budget through the Department of Natural Resources and Environmental Control (DNREC), Division of Watershed Stewardship.
- Community Transportation Funds provided in annual State
 Capital Budget & administered by DelDOT in coordination with
 State legislators.
- New Castle County Council and Department of Special Services.
- Other State funding through DNREC.
- Occasion funding from project participants.

Cost-share & 21st Century Funds

Cost	sh	ar	e
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- FY06 \$3.205m
- FY07 \$3.205m
- FY08 \$3.205m
- FY09 \$3.205m
- FY10 \$1.5mm
- FY11 \$1.5mm
- FY12 \$1.5mm
- FY13 \$1.5mm
- FY14 \$1.5mm
- FY15 \$1.5mm
- FY16 \$1.5mm

21st Century

- \$3.321m
- \$6.000m
- \$2.000m
- \$0
- \$0
- \$0
- \$0
- \$0
- \$0
- \$0
- \$3.000m

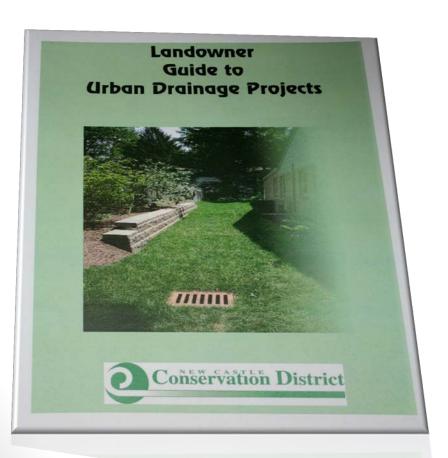
Drainage Assistance Hot Line



District Drainage Database Report for Legislators

-8	Project Tracking		233
•	Project Name RecordID (New) Project Number Legislative Request No. Cost Share No. Misc. Docs.		
	PEADOL		
	General Initio TA & CS Legislative Requests Funding Study & Design Construction Payments		
	Date Contact Information Print		
	First Name Relationship Projects Details		
	Title		
	Address		
	Development		
	Parcel Number Watershed Home Phone		
	Work Phone		
	Mobile Phone Fax Number		
	Email Address		
	Description of Problem		
	Senate District Representative District County Council District Funding Status		
	Archive Funding Status		
			_
Rec	ord: M 4 2194 of 2194		

District Resource Publication





Assistance to Private Landowners

- Give details about cost-share funding for urban water management
- Categories
- % match
- Amount of funding available
- Process, drainage database, visit by District staff person, cost-share application, Board approval, landowner has project installed by contactor, inspected by District staff
- Types of Projects
 - Drainage and Erosion control
 - Special Projects (estimate cost > \$10,000)



Eroding slope in yard re-graded to a riprap lined swale



Downspouts on house tied into a sub-surface drainage system







Streambank erosion stabilized with riprap













Swale in suburban residential yard – surface water







Carousel "Bark" Park

- Funds provided by New Castle County and USDA NRCS
- Designed by USDA and NCCD
- Total project cost: \$156,589
- Project provides water quality benefits to an impaired/TMDL watershed that provides drinking water to a large customer base.
- Project supported by state-wide environmental NGO, Delaware National Estuary Program, and regional private water purveyor.

Carousel Bark Park Site Conditions











Carousel Bark Park Completed











Chelsea Estates – Jay Drive

- Funding provided by New Castle County, 21st
 Century Fund, and Community Transportation
 Fund
- Scope of Project drainage improvement project behind a church and residential area.
- Project cost Bid \$39,450
- Final cost \$40,927.50

Chelsea Estates – Jay Drive Site Conditions









Chelsea Estates – Jay Drive Completed Project











Delaware Bay Dikes Projects

- Funded by State Capital Budget appropriations & FEMA
- Condition and damages from Hurricane Sandy
- Five dike projects along Delaware Bay/River coast
- Red Lion Dike
- Gambacorta and Army Creek Dikes
- Broad Marsh Dike
- Buttonwood Dike
- Total cost for all five projects
 - Construction: \$5,063,053 Engineering: \$991,447
- Red Lion, Gambacorta & Army Creek dikes stabilized with 1-ton super sacks/sand bags.

Army Creek Dike – Hurricane Sandy & Emergency Repairs







Army Creek Dike - Completed



Green Valley – 2nd Street

- Funded with 21st Century Funds and Community Transportation Funds
- Eroding slope behind townhomes adjacent to the White Clay Creek, a National Wild and Scenic River Watershed
- Installed imbricated stone wall at top of slope, under-drain, regraded slope, seeded, and stabilized with erosion control matting.
- Available Funding: \$193,602
 - 21st Century \$138,602 & \$55,000 Community Transportation Funds
- Total costs of this project \$127,648
- Bid price \$96,765

Green Valley – 2nd Street Site Conditions









Green Valley – 2nd Street Under Construction









Green Valley – 2nd Street Completed



Breezewood II Project

- Ditch cleanout and sanitary sewer crossing
- 21st Century Fund and New Castle County funds
- Scope of Project regrading of 3600' of drainage ditch and replacement of 2 sections of concrete encased County sewer line with ductile iron pipe.
- Estimated Project cost: \$203,710 = \$140,635 (ditch) + \$63,085 (sewer line)
- Low bid = \$118,797.
- Currently under construction
- Project required soil testing for contaminants, wetland investigation, extensive survey & negotiation regarding construction access with regional utility and major developer

Breezewood II - Site Conditions







Breezewood II - Construction







Breezewood II – Lower Section "Under Construction"







Contact Information

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- New Castle Conservation District 2430 Old County Road Newark, DE 19702

Website: www.newcastleconservationdistrict.org



Project photographs taken by Rick Mickowski, Conservation Planner/ Public Outreach Coordinator

