The City of
Alliance, OHIO, 44601-2415
"The Carnation City"
504 EAST MAIN STREET
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The City of Alliance RIVER Award

RIVER: Reclaiming and Improving Vital Environmental Resources.

The City of Alliance RIVER Award is given for sites utilizing *Post Construction* practices that improve water quality and reduce rainfall runoff. Post Construction elements of site development are those that are left in place after the site is built. For example, if permeable concrete pavers are used for parking spaces, they will continue to reduce a site's overall stormwater runoff long after construction is completed.

A minimum of 95 points is required to receive the RIVER Award. Scoring for the most common Best Management Practices (BMP's), or methods, are included on the attached form. Developers and Designers may select any of the BMP's suitable for their sites. Detailed descriptions of each BMP can be found at the link listed in appendix. Designs shall follow ODNR "Rainwater and Land Development" and/or ODOT "Location and Design Manual" guidelines.

To be eligible, design and construction sites must first follow the required *Construction Practices* & BMP's. These have been used for years now, and they include such items as silt fence, siltation ponds, site clearing controls, temporary seeding, etc. For sites larger than 1 acre, this means filing and following a Soil & Water Pollution Prevention Plan (SWP3) with the Stark Soil and Water Conservation District & a Notice of Intents with the EPA. For sites less than 1 acre, follow applicable "Small Lot" controls outlined in Chapter 8 of Rainwater and Land Development Manual. The SWP3 or the "Small Lot" procedures shall be included with the site plan submittal. If a site's contractor has violations that go uncorrected during construction, the site may lose eligibility for the honor.

The City of Alliance RIVER Award will be presented after the site construction is complete and when all Post Construction BMP's are in place. The awards are presented at Planning Commission once per year.

On behalf of the City of Alliance, we wish you much success on your development and your business. Thank you for your cooperation in preserving our vital natural resources.

Curtis D. Bungard, PE
Alliance City Engineer

Appendix

For more information regarding Soil and Water Conservation Programs and Ohio EPA's NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PHASE II Program, visit the following websites:

NPDES Overview Video, "Tempest in a Channel":
http://www.epa.ohio.gov/dsw/storm/video.aspx

OHIO EPA: http://www.epa.ohio.gov/dsw/storm/index.aspx

SWP3 & NOI: http://epa.ohio.gov/dsw/storm/construction_index.aspx

List of Post Construction BMP's and their descriptions:
http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=5

Stark County Soil and Water Conservation District: www.starkswcd.org

United States Department of Agriculture, Natural Resource Conservation Service Website: www.nrcs.usda.gov

Rainwater and Land Development Manual:
http://www.dnr.state.oh.us/tabid/9186/default.aspx

ODOT Location and Design Manual Volume 2:
http://www.dot.state.oh.us/Divisions/Engineering/Hydraulic/LandD/Pages/LDManual,Volume2.aspx

ODOT Standard Drawings Hydraulics and Water Quality Basins:
http://www.dot.state.oh.us/Divisions/Engineering/Hydraulic/Pages/HydraulicStandardConstrDrawings.aspx

RIVER AWARD POINTS

Awarded for Post Construction Practices that Improve Water Quality and Reduced Rainfall Runoff.

Project Name: _____

Address: _____

Best Management Practices (BMPs):	Site Plans	Subdi-visions	City to Develop	Points	Comments	USED ✓
Innovative BMPs for Site Plans						
Alternative Turnarounds		x	x	10	By variance	
Conservation Easements	x	x		30		
Eliminating Curbs and Gutters	x	x			In conjuntion with other BMP's	
Shared Mixed-use Parking	x	x		30	Alternating use times	
Green Roofs	x	x		50		
Narrower Residential Streets - private streets		x	x	25		
Open Space Design		x		10	10% Above minimum requirements	
Protection of Natural Features	x	x		20	keep >65% of existing mature trees	
Redevelopment of existing site	x	x		25		
Reduction of impervious areas on existing site	x	x		5+	1pt per 1% pervious added (5% min)	
Riparian/Forested Buffer	x	x		35		
Street Design and Patterns		x			In conjuntion with other BMP's	
Urban Forestry - New tree planting	x	x		10+	1pt per 1% of the land (10% min)	
Infiltration						
Grassed Swales (Green in Between)	x	x		20		
Infiltration Basin	x	x		40	Requires soils test and design	
Infiltration Trench	x	x		40	Requires soils test and design	
Permeable Interlocking Concrete Pavement	x	x		30	In parking spots only - not drive lanes	
Filtration						
Bioretention (Rain Gardens)	x	x		40		
Catch Basin Inserts	x	x		10		
Sand and Organic Filters	x	x		40		
Vegetated Filter Strip	x	x		20	Not appropriate for "Hot Spots"	
Retention/Detention						
Dry Detention Ponds w/ water quality design	x	x		35		
In-Line Storage	x	x		10		
On-Lot Storage for Reuse	x	x		20	Rain Barrels & Cisterns	
Stormwater Wetland	x	x		50		
Wet Retention Ponds w/ water quality design	x	x		40		
Other						
Manufactured Products for Storm Inlets	x	x		10		
TOTALS			**Points =**		**Eligible for Award (>95 pts.)**	

Guidelines: A total of 95 points required to receive award.
Sites must follow construction BMP's to be eligible.
Best Management Practices (BMP's) for Post Construction chosen from EPA's website below, which provides a detailed description of each.
Designs shall follow ODNR "Rainwater and Land Development" and/or ODOT "Location and Design Manual" guidelines.
http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=min_measure&min_measure_id=5

City of Alliance RIVER Award Program
RIVER: Reclaiming and Improving Vital Environmental Resources

12/20/2011

THE CITY OF ALLIANCE, OHIO

THIS CERTIFIES THAT

COMPANY NAME

has, through innovative design and environmentally friendly construction practices, shown a commitment to protecting the community's rivers, streams, wetlands, and other natural resources, and is therefore presented this:

RIVER AWARD

Reclaiming and Improving Vital Environmental Resources

GIVEN THIS ____ DAY OF _____, 20____

_____
PLANNING COMMISSION CHAIRMAN

_____
MAYOR ALAN C. ANDREANI

SEAL

_____
CITY ENGINEER