

## Milford Crossing, Milford, Connecticut

**W**hen planning began for a new, 47-acre shopping center in Milford, Connecticut, CULTEC Inc. was selected to provide the project's stormwater management system. Decision-makers were already familiar with the company's products from previous projects. CULTEC's plastic stormwater chambers were specified for Clean Water Act compliance, but workers discovered several more product benefits along the way.



The future site of Milford Crossing is conveniently located off Route 1 in Milford, Connecticut. The large complex will be anchored by Wal-Mart, with other large retailers such as Bob's Stores, HomeGoods, Barnes & Noble and Starbucks also on board. With an estimated completion date of early 2007, work began on the site in 2005.

When completed, the shopping center will have nearly six acres of paved parking lots. Clean Water Act Phase II regulations require that these impervious surfaces are counteracted by a stormwater Best Management Practice (BMP) that can prevent stormwater runoff from polluting nearby water resources. Because the site is bordered by a river and a tidal basin, preventing water pollution was essential.



# Milford Crossing



## Recharger 330 HD

With a capacity of over 400 gallons, CULTEC's Recharger 330 HD is one of the largest chambers available. Because of its size, the chamber can help save land space and offer design flexibility. CULTEC's polyethylene chambers are durable, yet lightweight and can be installed easily by one or two workers to save time and labor costs. These advantages make CULTEC chambers an efficient and cost-effective alternative to above-ground options such as ponds or swales, as well as underground stone and concrete pipe systems.

### Features:

- Chamber storage capacity of more than 46 cubic feet per unit, or over 400 gallons per unit.
- Utilizes CULTEC's patented, interlocking ribs for a stronger connection without screws. Also promotes fast installation.
- Utilizes distinctive repeating fully-formed endwalls for strength throughout the entire chamber...no weak spots in the middle or on the sides.
- A variety of models are available for installations in both traffic and non-traffic applications
- Products are used extensively in Clean Water Act Phase II applications.

### Specifications:

		Recharger® Model 150	Recharger® Model 180	Recharger® Model 280	Recharger® Model 330	Recharger® Model V8 I
Length	feet	8.50	7.33	8.00	7.50	8.00
	meters	2.59	2.23	2.44	2.29	2.44
Installed Length	feet	7.50	6.33	7.00	6.25	7.50
	meters	2.29	1.93	2.13	1.90	2.29
Length Adjustment	feet	1.00	1.00	1.00	1.25	0.50
	meters	0.30	0.30	0.30	0.38	0.15
Width	inches	33	36	47	52	54
	mm	838	914	1194	1321	1372
Height	Inches	18.50	20.50	26.50	30.50	34
	mm	470	521	673	775	864
Storage Capacity of Model R	gallons	168.50	188.90	363.81	418.50	N/A
	liters	637.80	715.10	1377.21	154.21	N/A
Storage Capacity	ft <sup>3</sup> / ft	2.650	3.445	6.079	7.459	8.933
	m <sup>3</sup> /m	0.250	0.320	0.560	0.690	0.830
Chamber Storage Capacity	ft <sup>3</sup> / unit	19.87	21.80	42.55	46.61	66.99
	m <sup>3</sup> /unit	0.56	0.62	1.20	1.32	1.90
Min. Storage Capacity Surrounded in Stone <sup>1</sup>	ft <sup>3</sup> / unit	36.71	35.37	64.46	70.77	97.72
	m <sup>3</sup> /unit	1.04	1.00	1.83	2.00	2.77
Max. Inlet Opening <sup>2</sup>	Inches	12	15	18	24	24
	mm	300	375	450	600	600

<sup>1</sup> Based on installed length. Stone void is calculated at 40%. Includes 6" stone base, 6" above chamber crown and stone around units based on typical minimum center to center spacing.

<sup>2</sup> Based on HDPE pipe.

CULTEC Recharger 150, 180 and 280 and V8 models are also available for flexibility in design and on sites with size and depth constraints. The chambers are designed for stormwater and septic applications, as well as header and stormwater filter systems and can be used in a variety of municipal, commercial, retail, residential and industrial applications. CULTEC plastic chambers are used to comply with Clean Water Act guidelines, and utilize strong, polyethylene material, patented interlocking ribs and fully-formed endwalls to achieve long-life and durability.

