Case History - Smith Drainage Systems and the Ultracept® Oil Water Separator

Problem

The owner of an automobile collision center needed an engineered drainage solution that offered easy maintenance while not interfering with the shop's business activities. The local Plumbing Inspector was aware of several custom drainage/wastewater projects for automotive applications completed by Dolan & Traynor, Inc. - a prominent Marketing Distributor of Quality Building Specialties and long-time Jay R. Smith Mfg. Co. Representative - and suggested a similar solution to the owner.

Solution

A Dolan & Traynor top Sales Consultant responded to owner's invitation to visit the current and future facilities and prepared a quote on a customized drainage/wastewater product package. Special consideration was given to ease of maintenance while preserving the flat/level working surface and minimizing the need to slope the floor to ensure proper drainage.

The sales consultant's previous list of successful applications and professionalism won the owner's approval who instructed the plumber and mason on the job to extend their full cooperation in getting the job done.

The sales consultant worked with the owner, contractor, plumbers and masons in overseeing the project requirements and literally engineering the entire job. He located all the water sources, number of hose bibs, laid out optimal location for each product and coordinated with the Smith Engineering department regarding sizing requirements. The solution consisted of a custom designed trench drain system, 172 feet in several runs – polymer concrete, Fig. No. 9814, catch basins - Fig. No. 9860, sump pit – Fig. No. 9847, Ultracept® Oil Water Separator - Fig. No. 8605 (with related accessories) and various cleanouts.

The presloped trench drain system was designed and sized to work in conjunction with the Ultracept® Oil Water Separator. All drainage is channeled to the sump pit in the back shop area and from there it is pumped to the oil water separator for cleaning/ discharge.

The oil water separator uses a unique skimming technique using the surface tension of water to promote and enhance waste separation as the waste water travels through a series of chambers. The oil water separator is installed above ground, has no coalescing plates and no moving parts requiring low maintenance and ensuring a reliable and efficient operation of the waste water drainage system.

Results

The owner thinks highly of Dolan & Traynor's Sales Consultant and his services: "I wouldn't think twice about recommending him. He is the best person I have dealt with, stayed on top of the job from the beginning." In addition to installing a user and environmentally-friendly system, the owner was pleased to save more than 55% of the estimated cost for an underground similar system.