



SWIFTDRAIN PROVIDES TRENCH DRAIN SYSTEM for Kentucky Dam State Park Airport

INTRODUCTION

Kentucky Dam State Park Airport required a reliable and robust trench drain system to manage surface water runoff effectively.

Swift Drain, a leading provider of drainage solutions, was selected to supply their heavy-duty class E fiber reinforced concrete trench drain system.

This case study outlines the project details, including the product specifications, installation process, and the collaborative effort between Swift Drain and the local contractor.

PROJECT OVERVIEW

CLIENT

Kentucky Dam State Park Airport

LOCATION

Kentucky, United States

SCOPE

Supply and installation of a heavy-duty class E fiber reinforced concrete trench drain system

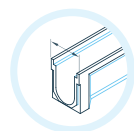
INSTALLATION

Performed by a local contractor

SUPPLIER Swift Drain

PRODUCT SPECIFICATIONS

Swift Drain's trench drain system provided for Kentucky Dam State Park Airport consisted of the following components:



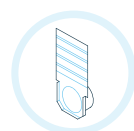
TRENCH DRAIN WIDTH

The system featured an 8-inch-wide, fiber-reinforced concrete channel. The use of fiber reinforcement enhanced the strength and durability of the channels.



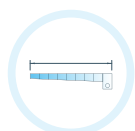
GRATE

A heavy-duty class E grate was used to ensure the drain system could handle the anticipated load requirements effectively.



OUTLET

8" side outlet connection



LENGTH

The project required two separate runs of trench drain. One run spanned 75 linear feet, while the other run covered 167 linear feet.

INSTALLATION PROCESS

The trench drain systems supplied by Swift drain offered several benefits to Air Force Base Warren:

Channel Suspension

The chosen installation method involved suspending the channels using wood. This method, known as the hanging method, allows for secure installation and ensures the channels are aligned properly.

Excavation

The local contractor performed the necessary excavation work to create trenches that matched the specified dimensions for the trench drain system.

Channel Placement

With the trenches prepared, the contractor carefully placed and aligned the Swift drain concrete channels within them. The hanging method facilitated the accurate positioning and ensured stability during the installation process.

Grate Placement

Once the channels were in position, the contractor installed the heavy-duty class E grates on top. The grates provide the necessary surface for water runoff and effectively prevent debris from clogging the drain system.

The locking mechanism fastens the grate to channel.

Finishing Touches

After the installation of the channels and grates, the contractor made sure all components were securely fitted. They performed a thorough inspection to confirm proper alignment and connection between the different sections of the trench drain system.



CONCLUSION

Swift drain's provision of a heavy-duty class E fiber reinforced concrete trench drain system played a vital role in effectively managing surface water runoff at Kentucky Dam State Park Airport.

The installation process, executed by a local contractor with guidance from Swift drain, ensured a reliable and durable drainage solution.

By supplying quality products and offering installation advice, Swift drain demonstrated their expertise and commitment to customer satisfaction.

The successful completion of this project showcases the effectiveness and suitability of Swift drain's trench drain system for heavy-duty applications, such as airport environments.

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