

Case Study: Swiftdrain Enhances Site Drainage for Long Island Church of Christ

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Project Overview Swiftdrain provided a high-performance trench drain solution for the newly constructed Long Island Church of Christ, located at 658 Blydenburgh Rd., Ho Park, NY 11788. Partnering with Church Development Services, Swiftdrain furnished 200 linear feet of heavy-duty precast polymer concrete trench drains to support the surrounding site and parking lot infrastructure.





Project Challenges Church construction projects present unique challenges, particularly regarding site drainage. A well-designed drainage system was crucial to prevent water accumulation, ensuring safety for congregants and longevity for the newly built facility. The project site in Long Island required a robust trench drain system that could withstand heavy vehicular loads, fluctuating weather conditions, and high-volume water runoff.

Swift drain's Solution To address these challenges, Swift drain provided a durable and efficient trench drain system tailored to the project's needs:



- **Heavy-Duty Precast Polymer Concrete Trench Drains:** The polymer concrete channels offer exceptional strength and resistance to wear, making them ideal for high-traffic areas like parking lots and entranceways.
- **Ductile Iron Grates:** Designed for durability and load-bearing capacity, the grates ensure long-term reliability while seamlessly integrating with the surrounding pavement and landscape.
- **Seamless Installation:** The system was designed for ease of installation, allowing Church Development Services to efficiently incorporate it into the site's drainage infrastructure without disruptions to the construction timeline.

Project Execution Swift drain collaborated closely with Church Development Services to ensure smooth procurement and installation. The team provided expert guidance on selecting the appropriate trench drain system, ensuring optimal water management for the site. The heavy-duty polymer concrete trench drains

and ductile iron grates were installed seamlessly, contributing to the efficient and aesthetic site development.

Results and Impact The installed drainage system successfully mitigates water accumulation, enhancing safety and functionality across the church's premises. The benefits include:

- **Improved Stormwater Management:** The trench drains efficiently channel excess water, preventing pooling and potential flooding.
- **Long-Term Durability:** The high-strength materials ensure lasting performance, reducing maintenance needs over time.
- **Enhanced Aesthetics and Safety:** The system integrates seamlessly into the site. Providing operational drainage for the surrounding site and parking lot.



Client Satisfaction Church Development Services praised Swift drain's expertise and product quality, noting the trench drain system's effectiveness in managing runoff and protecting the newly constructed site. By delivering a robust and reliable drainage solution, Swift drain reinforced its reputation as a trusted provider for commercial and institutional projects.

Conclusion Swift drain's collaboration with Church Development Services on the Long Island Church of Christ project showcases the company's ability to deliver high-performance drainage solutions tailored to unique site requirements. This project underscores Swift drain's commitment to engineering excellence, product durability, and customer satisfaction in the commercial construction sector.