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301 E. Jefferson Street • Franklin, Indiana 46131

Drainage Statement

Football Field

114 Lancelot Dr, Franklin, Indiana
Saint Rose of Lima Catholic School, Johnson County

This existing site is composed of a church, parsonage, and provincial school, as well as a shelter-house, sidewalks, parking areas, existing football field, and green space. Our petition is to replace the existing football field (reverting it to green space) with an improved field, walking path and eventually a covered entry.

This total Saint Rose Site is approximately 13.5 acres, or 588,756 square foot in size. The area of proposed improvement (disturbance) is approximately 3.5 acres. The proposed increase in hard surface (trail) is only 2,000 Sq Ft, bringing the total hard surface area to 121,500 Sq Ft, or less than 21% total coverage.

The church and school buildings drain to the North & West into the Camelot Storm System. The Main Parking Lot and Grass Field, sheet drain from North to South- Southeast, eventually making its way to the Methodist Community & Johnson County Hospital systems. The Grass Field is served by under-drains and two surface inlets. The under drains are the result of an undocumented joint venture between Saint Rose and the Methodist Community. A beehive inlet exists along the south property line (South of shelter-house) tying into the Franklin Professional Office Complex system. A PVC raised pipe type inlet exists in the Southeast corner of the tract, it's evident no water enters said inlet because it is more than 1.5 feet higher than grade.

The area of proposed improvement is covered in high to medium type grass, and sheet-drains basically from North to South- Southeast. Under-drains, or field tiles service this site. Within the scope of our petition we propose to tie the rain garden under-drain into this tile system.

The area between the football field and the tree line (south property line) is proposed as an outdoors classroom, or bio-science lab. Students will have the opportunity for hands on study in areas of biology, botany, hydrology, soils, chemistry, and human environmental impact. Although the optimum garden size here is 6,000 Sq Ft, its reasonable to expect the students would start small, developing, and re-developing over the coming years.

Because of our low percentage of hard surface (Less Than 21%), our improved drainage, and proposed vegetation (trees and the rain garden (Min. 12,000 cubic foot)) we feel the proposed petition will improve drainage, and conforms to the philosophy and drainage requirements as intended by the City of Franklin.

Jeffrey A. Kondy, LS

May 15th, 2012