Introduction
The Cumberland Pointe Futsal Court Project hopes to bring the Light of Christ to a mainly Muslim community in the Cumberland Pointe Apartment complex in Mechanicsburg, PA through the sport of soccer.

The soccer team, Walaalos United, was founded by Daniel Thompson of Aroma Missions in 2011. The soccer team has helped the young boys in the community come together and work toward a common goal of playing the best soccer possible while learning many life lessons. The boys currently have to walk a few miles to get to their current playing space, which initiated a project by Aroma Missions and the Collaboratory to build a soccer field on the grounds of the apartment complex where the players of Walaalos United live.

In addition to the soccer team, many young children are present in the community and an improved playing surface will enhance their experience in the neighborhood. The upgrade of this currently aging facility will bring a sense of ownership to many of the young children and motivate them to take care of the playing surface.

Site Assessment and Surveying
A site assessment was done that included examination of record deeds and surveying with traditional equipment. Points obtained were entered into Autocad Civil 3D and a plot developed.

Site Layout Design
The half basketball court is used by community members and efforts to keep it in site are part of the design process. In addition a minimum futsal court dimension of 100 ft by 60 ft was decided on to make the futsal court optimal to play on. Due to the slope present in the area of interest a retaining wall will be needed to support soil on multiple sides of the futsal court and will add to construction of the sports wall for play.

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Stormwater Management
As stipulated in the Upper Allen township stormwater ordinance, a plan of management for the increased stormwater is being prepared.

Documents from the township, and the Pennsylvania Stormwater BMP Manual, as well as the EPA Stormwater Calculator were used in estimating the additional volume of water expected post-construction.

Current designs being considered to mitigate the volume and rate increase are an infiltration trench and a rain garden in addition to credits from overland flow.

Future Work
Finalizing Design
Finalizing the layout will be the first step along which is vital to the stormwater management permit. Detailed designs of the concrete foundation and the retaining walls will also be produced.

As a way of handing down the design to a construction crew, an existing conditions and demolition plan drawing will be made along with grading plan and post construction stormwater management plan, and an erosion control plan.

Fund Raising
Futsal court rendering and other project information will be presented with all dissemination for use to fundraise for the project. Currently many organizations have promised money as well as in kind donations.

Construction
Construction is expected to take place in early Mid Fall 2016. The process will involve volunteers as well as professionals.

Further Information
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