Yonkers Entertainment Center
7 Ridge Hill Blvd, Yonkers, NY, 10710

JSP Engineers

100% Project Submission

Project Manager: Josiah Andre' Jones
Site Civil Engineers: Purnima Prasad and Siva Soorya Muruga Thambiran
Client: Walid Amin Abou Moussa
Date: May 13, 2021
Notes:
1) Project requirements included one building structure with a footprint of 6000 to 8000 ft², an accessory with a minimum footprint of 3000 ft², outdoor recreational area with a minimum footprint of 7000 ft², outdoor parking for a minimum of 60 cars, and a stormwater management pond.
2) Property is 10 acres, out of which about 2 acres will be developed.
Notes:
1) There are 15 retaining walls on-site.
2) There is 1 garden wall on-site.
3) Majority of the parking lot is sloped at 4%.
4) Slope of ramp is 8%.
5) Slope of side-walld is 4%.
6) Slope of entrance is 5%.
7) Slope of recreation is 2%.
Proposed Grade

Notes:
1) There are a total of 10 pipes.
2) Most of the pipes go to the extended detention pond, except the pipe from the main building which goes to the underground detention chamber.
3) Pipe slopes vary from 1% to 4%.
4) Pipe diameters vary from 8 inches to 20 inches.
5) Flow velocities range from 3.3 ft/s to 8.55 ft/s.