

# **Platform Tennis Courts**

## **The Chapel Hill Tennis Club**

### **Permit Requested: Minor Mod. To CUP**

*This document contains various sections from the Chapel Hill Tennis Club permit application which may be useful to others seeking a paddle permit. Required information can be specific for each town. Also see accompanying photometric referred to in Lighting Plan below.*

#### **GENERAL NOTES**

1. Platform tennis courts are identical to free standing decks with the addition of poles, chicken wire, and lights. Pressure treated wood on top of concrete piers. Decking is aluminum with gritty paint for traction.
2. Site for courts more than 160 feet from closest property boundary and separated by several rows of mostly evergreen trees.
3. Noise level of platform tennis similar to tennis. Light level much lower than tennis.

## **GRADING AND DRAINAGE PLAN**

Grading and drainage for platform tennis courts are exactly like a wooden backyard deck.

There is no site work/grading. Concrete piers poured below frost line. Planks are 6 ½ inches wide and are installed level. Water is channeled through the aggregate and runs down the ¼ inch crack between deck planks.

## **LIGHTING PLAN**

Lights are much smaller than for normal tennis courts because a platform tennis court is approximately 1/4th the size of a tennis court.

Fixtures: AC3440-M AC3-16 series 16 inch area cutoff lights.  
400 watt metal halide (full cutoff)

6 fixtures on each court, 20 feet above court surface.

See platform tennis court plans and photometric for location of lights.  
See light specifications for more details.

Platform tennis courts are more than 160 feet from property line. The photometric demonstrates the number of footcandles diminishing to 0.1 or less at 60 feet from a court. An overestimate by doubling the single court photometric would show less than 0.2 footcandles at more than 100 feet inside the property line. The actual number of footcandles would be less because the second court would be 35 feet further from the property line than the first court. Light at the property line would be negligible because of the distance and multiple rows of trees between courts and property line.