Winston Salem Forsyth County Schools would like to make improvements to the South Softball Field of Hanes Park. These improvements would not only benefit the school but the community as well. The WSFCS would like to make the following improvements;

**Ball Field Lights**

1. Install (4) new light poles that meet the North Carolina High School Athletic Association (NCHSAA) lighting standards for high school softball fields.
   a. Lights will be used for night games about once a week until 9 pm.
   b. Lights will be used for evening practices occasionally.
   c. Light poles will be black to match the dugout and backstop fencing.
   d. Lights will be 32’ tall with metal halide lights.

![Approximate Light Layout](image)

**Lighting Specifications:**

- Light Poles to be 32’ tall with Metal Halide Direct Burial Steel Poles with black finish.
- Light levels to be met are 50 Maintained Foot-Candles Infield and 30 Foot-Candles outfield.
- Light Fixtures used will be designed for minimal Spill-Over to neighboring properties.
Light along third base line at Hanes Park

Lights along first base line at Hanes Park.

Identified as yellow circles on the map.
Seating Wall

2. Install (1) new rock seating wall to match existing. New wall to be located behind the existing wall between the Seat Wall and Storage Building.

Current Seating Wall

Proposed second row of seating

Identified by grey line on map.
3. Use of a portable scoreboard.

Identified by orange rectangle along third base line of map.

- Large, outdoor-viewable 6-inch score digits and 4-inch inning digits can be seen at distances up to 175 feet
- 15-channel full-function radio-controlled keypad
- Displays team scores up to 99 points
- Displays up to 9 innings
- Balls, Strikes, and Outs Display
- Top/Bottom of inning indicator arrows
- Built-in fold-out leg keeps the scoreboard standing upright on either tabletop or ground
- Powered by 8 C-cell batteries (not included) or optional PS-12V-3000 AC Adapter
- Size: 36" wide, 15" tall, and 2 1/2" deep
- Weighs approximately 11 pounds
Outfield Temporary Fencing

4. Install new temporary fencing along the outfield.
   a. This temporary fencing is installed using pre-inserted bases so that the fencing can be removed for open field play.
   b. Fencing is available with Forest Green Mesh
   c. Identified by Red Line on map.

Poles are inserted into pre-installed inserts in the field so that fencing can be removed easily.
Temporary Batting Cage

5. WSFCS would like to construct a batting cage along the third base line which runs along Glade Street. The batting cage would be constructed using a stone base wall to match the dugouts and other walls throughout the park. The structure would consist of wood trusses and posts that are painted black and forest green to help blend in with the surroundings. The siding on the ends would be a wood lap siding. Roof would consist of architectural asphalt shingles. Approximate size would be 14' wide, 55' long and 12' tall.
Batting Cage Specifications:

Batting Cage Dimensions – 14’ width x 55’ length x 12’ height

Batting Cage to be built of 8”x8” pressure treated post approximately 7’ apart. Painted Black

Roof trusses to be built using wood framing, Painted Black

Roofing material to be black asphalt shingles

Siding to be of a wood siding to be painted a forest green.

Lower foundation of walls to be constructed of rock to match seat walls and other walls throughout the park.

Netting to be removable

- Roof Trusses to be painted black
- Netting to be removable
- Lighting inside structure to be high in rafters to prevent spill-over.
- Architectural Asphalt Shingles similar to picture but black in color.
- Post to be 8"x8" pressure treated wood similar to picture but painted black.
- Wood siding on gable ends painted forest green to blend in with surroundings.
  - Floor will be concrete.

These improvements would not only be for school use, they would also be used by the local neighborhood as well for recreational activities.
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Heather,
Per our conversation on the phone our findings are as follows;
We have discussed with several lighting professionals and the taller light poles allow us to direct the light exactly where we need it as the shorter poles will require brighter lights and more of them in order to reach the center of the playing field. This also may cause more light spill-over. The taller lights would also be more obscured from the residential view as the ball field is approx. 20’ below the street grade and the trees are at least 40’ tall at the street grade. Thus the higher poles shouldn’t be any taller than the trees in the area. The taller lights would also be above the window viewing level of the surrounding homes. The shorter light poles would be more visible at the elevation of the surrounding homes. We fully agree that if the HRC approves the addition of the Lights at Hanes Park Softball field that we would comply with the below requirements and also make sure the poles are designed in such a way (i.e. black poles) that they will enhance the park and not take away from its historic nature.
The lights that would be placed in the batting cage would also follow these same requirements. We believe that if they are installed up in the rafters of the structure then there should be very little spill-over if any, but to make sure, we would have these included in the light study as well.
Thank you
Ian Huffman

(1) Lighting Plan.
(a) A lighting plan prepared by a Lighting Certified (LC) lighting professional or a professional engineer licensed in the state of North Carolina shall demonstrate that all exterior lighting is designed, located, and installed in such a manner that light levels measured at the residential property line and the public right-of-way do not exceed one-half (½) footcandle. (This is a standard measurement of light trespass and is very dim—half the light given off one foot from a candle)
i. Light Level Measurement... Light levels are specified, calculated, and measured in footcandles. All values are initial footcandles. Measurements shall be made at ground level with the light-registering portion of the meter held horizontally pointing up.
(b) Prior to the issuance of a certificate of occupancy, the Lighting Certified (LC) lighting professional or professional engineer shall certify in writing that the lighting was installed per the approved plans.

These sections are just for recreation fields to limit glare and light trespass from the taller poles that are needed.
(2) Fixtures shall be fitted with the manufacturer's glare control package. If the manufacturer does not have a glare control package, the fixture specification shall be changed to a manufacturer that offers a glare control package.

(3) Fixtures shall be designed with a sharp cutoff and aimed so that their beams fall within the primary playing area and immediate surroundings, so that off-site direct illumination and glare are significantly restricted.

(4) The maximum pole height for a new outdoor recreation lighting source shall be eighty (80) feet unless approved by the Assistant City Manager for Public Works or Designee after being determined that the lighting will have no significant adverse effect on surrounding property.

(5) The lighting plan shall demonstrate that the max candela per fixture does not exceed 7,500 candela at a distance of 150 feet from the edge of the playing field. (This demonstrates that glare is controlled)

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