

Turf Management Proposal Justification 2007-08 - 1

Prices are based on numbers provided by the three vendors involved (Tomlinson Bomberger, AerCore, and Pocono Turf. Numbers from Tomlinson Bomberger include my estimations based on their per field bids (rather than per acre). AerCore, and Pocono Turf numbers are firm.

As discussed at previous meetings, the four main fields that were treated by SVLAX from spring 2007 to Spring 2008 have shown remarkable improvement. This was done as a gesture of good will by SV Lax and it was done on a trial basis. In the event that SB chooses not to expand the program, this budget reflects what will be required to maintain the current programs on the entire campus and the more intensive programs on the four main fields (stadium, practice, soccer, and field hockey).

Fields:

- Stadium	2.5 acres*
- Practice	2.0 acres*
- Soccer	2.0 acres*
- Field Hock.	2.0 acres*
- Track	1.0 acres
- Beach	2.0 acres
- Plateau	2.0 acres
- Band	1.5 acres
- V field hock.	2.0 acres
- Softball	2.5 acres
- Baseball	3.5 acres
- Little league	1.75 acres
Total Fields	24.75 acres
Non-Field Turf	12.0 acres
Minimal Treat.	16.25 acres
Intensive Treat.*	8.5 acres

Treat landscape beds as proposed:

Includes 2 treatments annually to control weeds on pre and post-emergent basis.

Pre-emergent herbicide (Dimension with fertilizer) applied to whole campus except athletic fields requiring spring seeding (total 8.5 acres not treated):

Crabgrass is a major problem throughout the campus. The most effective way to control it is with pre-emergent herbicides, but these cannot be used on areas requiring spring seeding. Dimension is more expensive but much more effective than other materials which proved ineffective in the past.

Grub control with fert whole campus

Grubs have been a major problem on campus and require annual treatment in June. Unfortunately, this product must be watered in within a day or two of application to be effective, and our lack of irrigation on some fields (practice and beach and possibly others) could potentially render the application ineffective.

Post emergent herbicide applications (Acclaim Drive)

Areas requiring spring seeding need post emergent crabgrass control applications. 2 applications (Acclaim and Drive) are required for complete control. Acclaim is more expensive and this would be the only treatment that could be considered for elimination. Doing so would mean less than optimal control of crabgrass.

Broadleaf herbicide whole campus

Required to control weeds such as clover, dandelions, etc. in turf. Not recommended on areas requiring spring seeding.

Fertilize 4 fields (nutralene)

The heavily used athletic fields need regular fertilizer applications throughout the year to promote rapid recovery from wear. I propose 3 separate applications annually using slow release fertilizers. An additional application will be made with the grub control application.

Seed: perennial ryegrass w/ GLS resistance:

Perennial ryegrass germinates, establishes faster and handles wear better than other grasses. It does not spread much, hence regular reseeding. The newest varieties now have some resistance to gray leaf spot, a potentially devastating disease of perennial ryegrass. The budget numbers assume seeding at time of aerification: 100 lbs/A on 8.5 acres; 500 lbs will be saved for repairs. This comes to 1,350 lbs. at \$1.25/lb.

Aerification of 8.5 acres:

Cultivation is needed to relieve compaction, smooth the fields, and to create a seed bed so that additional grass can be established from seed. This is to be combined with seeding on the 4 fields this spring totaling 8.5 acres. The budget number assumes:

- 2.5 X 2.5 spacing \$300.00/acre
- seeding \$125.00/acre
- dragging \$50.00/acre
- 15 acres @ \$475.00 per acre

Summary:

The numbers contained in this document are based on maintaining the current programs on the four main fields, maintaining minimal programs for the remaining fields, and maintaining a reasonable management program for the rest of the campus. With this program, it is unlikely that significant additional

improvement will be experienced on the worn athletic fields. Fields receiving more intensive treatment include the 4 main athletic fields stadium, practice, soccer, and field hockey, beach, and they can be expected to continue to improve if the current program is maintained. They will regress rapidly if the minimal program is restored.

The budget numbers are provided in two columns, reflecting the treatments required and the time of year each will be implemented. Sp-spring, Su summer, F-fall.