Taking the ASBA Fields Examination

Bill Pronevitch CTB, CFB
Sports Turf Company, Inc.
Purpose.
  ◦ To provide insight to prospective Certified Field Builders on the complexity of the Field Builders Test.

Why?
  ◦ To prepare you for the Exam.

What will we go over?
  ◦ The Test Process
  ◦ Reference Materials
  ◦ Tools
  ◦ Field Basics
  ◦ Construction Practices
THE TEST

- **Duration**
  - CFB-N or CFB-S
    - 100 multiple choice questions - 4 Hours
  - CFB
    - 130 multiple choice questions – 5 hours

- **Identification**
  - A Government issued photo ID is required.

- **Contraband**
  - Computers, Cell and/ or Smart Phones, Cameras, Pagers, any two-way communication devices, pens and scrap paper.
• **Materials for Test**

  • ASTM – American Society of Testing and Materials. [www.astm.org](http://www.astm.org)
    ◦ Several Standards.

  • Baseball and Softball Fields, Design, Construction, Renovation and Maintenance, Jim Puhalla, Jef Krans and Mike Goatley.


• Materials for Test


◦ Other
  • Refreshments are allowed as none will be provided in the testing room.
• Time Saving Tools to take Test
  ◦ Calculator
    • A calculator made for construction calculations.
    • Preset formulas
    • Weights, measures & volumes.
• Basics for Fields

  ◦ Area Formulas

    • Rectangle $A = L \times W$

    • Circle $A = \pi r^2$

    • Triangle $A = \frac{1}{2} bh$
Basics for Fields

- Rules
  - Minimums
  - Maximums
  - Lengths
  - Widths
  - Heights
• Basics for Fields

  ◦ Layout

    • Football
    • Soccer
    • Lacrosse
    • Baseball
    • Softball
Basics for Fields

- Terminology
  - Foul Territory/ Out of Bounds
  - Hash marks
  - Pitch
  - Infield/ Outfield
  - Crease
Basics of Fields

- Significance of Markings
  - In Bounds/ Out of Bounds
  - Media
  - Penalty
  - Circles
• Construction Practices
  ◦ Surveying
    • Grade Rod & level
      • As readings go up elevation decreases.
      • As readings go down elevation increases.
• Construction Practices

  ◦ Earthwork

    • Balancing the site

    • What?
• Construction Practices

• Cut & Fill
  • Volume \(L \times W \times H\)
  • Conversions, Cubic Yards to Tons & vice versa.
  • Compaction & Settlement.
• Construction Practices

◦ Slope

• 1” is not .1’
• 1” slope in 10’ is not a 1% slope (.83%)
• Actual statement in a specification.
  ◦ “contractor to maintain minimum 1% slope on subgrade, (1” in 10’).
• 1% slope =
  ◦ .1” in 10’
  ◦ 1’ in 100’
  ◦ 10’ in 1000’

• Percent of slope = \[
\frac{\text{The change in elevation}}{\text{The horizontal length of the slope}}
\]
• Specialties
  ◦ Scheduling
  ◦ Contract Administration
  ◦ Safety
  ◦ Irrigation/cooling
  ◦ Lighting
- **Type of Fields**
  
  ◦ **Natural Grass**
    ◦ Fertilization
    ◦ Irrigation
    ◦ Equipment
    ◦ Maintenance
  
  ◦ **Synthetic Turf**
    ◦ G-max
    ◦ Cooling Systems
    ◦ Equipment
    ◦ Maintenance
Why People Fail This Test

- Making Assumptions
- Attention to Detail
- Don’t Prepare
- Spend too much time in books finding answers.
- Some do not know how to take a test.
Sample Questions