



## 1 & 2: Goal and Location

- **Goal:** Construct two baseball fields that would be available for use as soon as possible.
- **Location:** To meet goal, locations are almost restricted to available City owned land, as land acquisition would make it difficult to meet deadline.
  - *Atkins*
  - *Airport*
  - *Other City property*
- **Recommendation:** Atkins

3



## 3. Type of Fields

- **Trend in U.S. is to develop “Tournament Caliber” or better fields:**
  - *Liberty Parks & Recreation (Fountain Bluffs)*
  - *Kansas City Parks, Rec & Boulevards (Tiffany Hills Sports Park)*
  - *Chesterfield Parks & Recreation*
  - *Springfield/Greene Co Parks & Recreation*
- **Tournament Quality Fields**
  - *This puts them above the typical “Recreational” but not at a “Disney” level.*

4



## What is a Tournament Field?

- **Quality Fields**
  - *Fields designed to meet national standards*
    - Ex: United States Specialty Sports Association (USSSA)
  - *Quality lighting (no spill, correct height, higher footcandles)*
  - *Excellent drainage...minimal rainouts/cancellation*
  - *Fields with scoreboards, PA, warning tracks, covered dugouts, bull-pens, warm-up areas, etc.*
- **Quality Participant/Visitor Experience**
  - *Mixed use development*
    - Concessions / retail (souvenir t-shirts, etc.)
    - Coaching and teaching academies/camps
  - *Aesthetics, amenities (practice areas, batting cages, bull-pens, etc.)*
  - *Quality landscaping / architectural components*
  - *Ease of access, abundant and close parking*

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## 4. Design Considerations

- **Investigate what youth sport associations are requiring or recommending for their specific programs.**
  - *Leagues*
  - *Tournaments*
  - *Special tournaments such as state, regional, national or "world series"*
    - What is the criteria needed to bid or host these tournaments?
- **Each one has age specific rules especially:**
  - *Pitching distances*
  - *Base distances*
- **Some include *Outfield Fence* distances which impact initial design.**

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## 4. Design Considerations

- Evaluate and compare what the following national youth sports associations recommend or require:
  - *Amateur Softball Assoc (ASA)*
  - *United States Specialty Sports Assoc (USSSA)*
  - *Amateur Athletic Union (AAU)*
  - *Little League*
  - *Babe Ruth/Cal Ripken*
  - *American Legion*
  - *National Federation of High Schools (NFHS)*
  - *Pony League*
  - *American Amateur Baseball Congress (AABC)*
- Some organizations do not have specific field or facility requirements or are limited to a specific geographic region.
  - *American Alliance Youth Baseball Assoc (AAYBA) St. Louis?*
  - *Triple Crown Sports*
  - *National Amateur Baseball Federation (NABF)*
  - *Dixie League (12 states: south - Texas to FL)*
  - *Dizzy Dean League (5 states: GA, MS, AL, TX, TN)*
  - *Continental Amateur Baseball Assoc (WA, VA, TX, TN, OH, MI, IL, CA, Caribbean)*

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## 4. Design Considerations

- Fencing
- Dugouts
- Mounds
- Infields
- Batting Cages
- Concessions
- Playgrounds
- Shelters
- Misc



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## Fencing

- Fence Height?
  - *Backstops*
  - *Home to Dugout*
  - *Dugout to Foul Pole*
  - *Outfield Perimeter Fence*

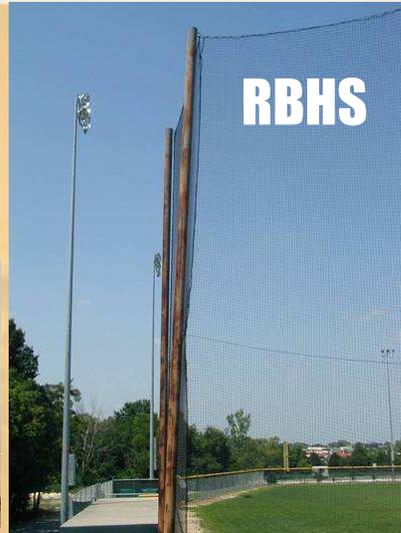


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## Fence Guidelines

- Backstop Height
  - *Babe Ruth/Cal Ripken: 24 ft with 5 ft overhang*
  - *3and2 Complex: 30'*



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## Benet Academy, Lisle IL



## Libertyville High School





## Carmel High School, IL



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## Fence Guidelines

- Home to Backstop
  - Little League (12yr): 38 ft
  - Babe Ruth/Cal Ripken: 45-60 ft
  - American Legion: 45 ft
  - HS/College: 60 ft
  - ASA Slowpitch: 25 ft
  - ASA Fastpitch: 30 ft



**HHS: 24'**

14



## Babe Ruth: 45-60'

## RBHS: 58'

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## Home to Backstop

- If distance is questionable, pads can deaden the ball and create the same effect of greater distances.
- Oakland fields:
  - 22'
  - Pads
  - Wood backing

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## Outfield Fence Distances



UNITED STATES SPECIALTY  
SPORTS ASSOCIATION

<u>Division</u>	<u>Bases</u>	<u>Pitching</u>	<u>Foul Lines</u>	<u>Center</u>
10 & Under	Varies		180'	210'
11 & Under	70'	50'	190'	230'
12 & Under	70'	50'	230'	275'
13 & Under	80'	54'	260'	300'
14 & Under – 80/54	80'	54'	275'	300'
14 & Under – 90/60	90'	60'6"	320'	375'
15U - High School Freshman	90/60		320'	375'
16U - High School Sophomore	90/60		320'	375'
17U - High School Junior	90/60		320'	375'
18U - High School Senior	90/60		320'	375'

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## AAU Guidelines



<u>Division</u>	<u>Bases</u>	<u>Pitching</u>	<u>Foul Lines</u>	<u>Center</u>
10 & Under	Varies		175'	200'
11 & Under	70'	50'	250'	275'
12 & Under	70'	50'	250'	275'
13 & Under	80'	54'	275'	325'
14 & Under – 80/54	80'	54'	275'	325'
14 & Under – 90/60	90'	60'6"	275'	325'
15 & Under -- 90/60			300'	350'
16 & Under -- 90/60			300'	350'
17 & Under – 90/60			350'	400'
19/18 & Under -- 90/60			350'	400'

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# American Legion and



<u>Bid Guidelines</u>	<u>Foul Lines</u>	<u>Power Alley</u>	<u>Center</u>
Regional and World Series	300'	350'	375'

### RECOMMENDED HOME RUN DISTANCES

Age	Foul Line	Centerfield
5 and 6 SHETLAND	125 feet (38.16m)	200 feet (60.96m)
7 and 8 PINTO	150 feet (45.22m)	200 feet (60.96m)
9 and 10 MUSTANG	175 feet (53.34m)	225 feet (68.58m)
11 and 12 BRONCO	225 feet (68.58m)	275 feet (83.82m)
13 and 14 PONY	275 feet (83.82m)	315 feet (96.01m)
15 and 16 COLT	300 feet (91.44m)	350 feet (106.68m)
17 and 18 PALOMINO	300 feet (91.44m)	350 feet (106.68m)



# American Amateur Baseball Congress



<u>Division</u>	<u>Bases</u>	<u>Pitching</u>	<u>Foul Lines</u>	<u>Center</u>
10U – Willie Mays	65'	46'	175'	225'
12U – Pee Wee Reece	70'	50' 6"	260'	260'
13U – Sandy Koufax	80'	54'	250'	290'
14U – Sandy Koufax	90'	60'6"	250'	290'
16U – Mickey Mantle	90'	60'6"	NA	
18U – Connie Mack	90'	60'6"	NA	
Unlimited-Stan Musial	90'	60'6"	NA	



## Other Fence Distances

- **Hickman**
  - 290', 370', 300'
- **Rock Bridge**
  - 325', 400', 325'
- **American Legion**
  - 340', 360', 340'
- **Twin Oaks/BC Baseball**
  - F1 262' 270' 290' (8' tall fence)
  - F2 285' 287' 283'
  - F3 281' 284' 283'
  - F4 330' 394' 300'



**MU Taylor Field**  
340', 400', 340' (370' alley)



## MLB Fence Distances

- **Boston Fenway**
  - 310, 420, 302
- **Houston Minute Maid**
  - 315, 435, 326
- **Chicago Wrigley Field**
  - 355, 400, 326
- **St. Louis Busch Stadium**
  - 336, LC 390, 400, RC 390, 335
- **Kansas City Kaufman Stadium**
  - 330, LC 385, 400, RC 385, 330





## Outfield Fence Summary

- **325' perimeter fence** officially meets minimum requirements for:
  - *USSSA 14 & Under (300)*
  - *AAU 14 & Under--80/54 only (325)*
  - *Pony 14 & Under (315)*
- **400' center, 350' foul lines** officially meets minimum requirements for:
  - *USSSA 14 & Under--90/60 (320 & 375)*
  - *USSSA 15 to 18 (320 & 375)*
  - *AAU 15 to 19 (350 & 400)*
  - *Babe Ruth 15-19 (350 & 400)*
  - *Pony 15 to 18 (300 & 350)*
  - *Legion (300 & 375)*
  - *NFHS (300 & 350)*

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## Fencing



- **Fence costs may be reduced through creative fence alignment.**
- **After dugouts, angle fence towards respective foul poles.**

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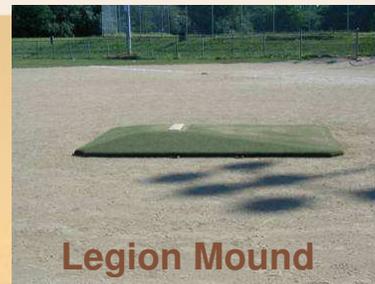
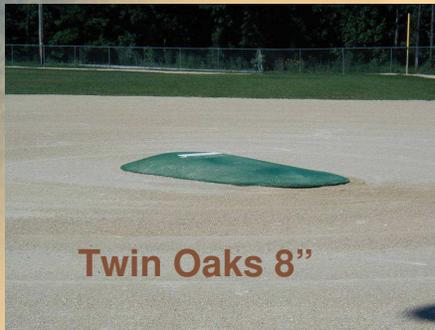
## Pitching Mounds

- Portable allows for greater flexibility and is approved by many organizations including NFHS.
- Sold in heights:
  - 6-inch (9-12 yrs)
  - 8-inch (12-15 yrs)
  - 10-inch (regulation)
- Length of mound is critical--Stride distance.



## Pitching Mounds

- Ten inch, very large, not as portable as others.





## Dugouts



- Dugouts must be wider & longer than before.
- American Legion Regional & World Series bid requirements: 40' x 6'

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## Dugout

- Slightly higher than field or curbed to prevent soil from washing into dugouts.
- Need room for 10-12 players to hang/store their bags. (36" L to 15" W x 15" H)



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## Rock Bridge



RBHS: 46' x 10'

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## Hickman



HHS: 34' x 8'

30



## American Legion

- 29' long (interior)
- 7' wide (interior)



- Cinder block construction
- Concrete floor
- No water or electric

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## Twin Oaks/Boone Co Baseball

- 8' wide
- 32' long



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## 3and2 Baseball Complex



33



## MU Taylor Field



34



## MU Taylor Field



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## Dugout Options

- Water or water cooler stand
- Bat racks
- Helmet racks
- Player bags

12 helmet/24" coach rack: \$325



Water Cooler: \$50

36



## Dugout Options

- Electric
- Scoreboard controls (optional)
- Coaches area
- Line-up posting

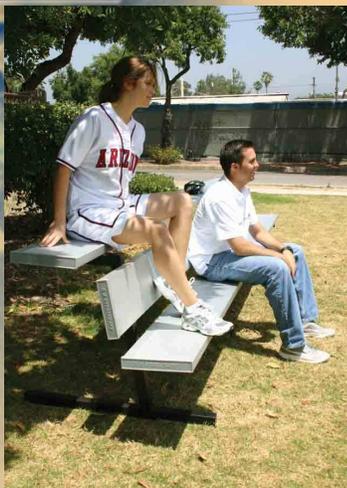


## Path from dugouts to field





## Elevated Player's Benches



**\$375 per 7.5' section**

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## Oakland



- One practice mound next to each dugout.
- Should be out of the field of play, outside of fence if possible.
- Ideal: combo bullpen, batting cage.

40



## Scorekeeper Area



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## Scorekeeper – Fountain Bluffs



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## Warning Tracks

- **Min: 15' ft wide**
- **Cinders no longer available.**
- **Aggregate or crush stone.**



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## Grandstands

- **Rolling Hills Park, Boonville**
- **Home of Lady Pirates Softball.**
- **All steel bleachers, pressbox, roof, and grandstand. Includes sidewalks.**
- **2003 Cost: \$160,000**
- **Irving Built Co, Chillicothe did the work with Larkin Group (KC) assisting with design.**



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## Boonville Grandstand



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## Boonville Grandstand





## Boonville Grandstand



## Twin Oaks/BC Grandstands

- Covered, shaded area that offers foul ball protection at a modest price.
- Unique feature of “lawn chair” seating in grandstand.





## Commercial Grandstands



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## Batting Cages

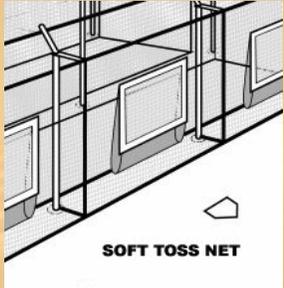
- Requirement for tournament complex.
- Traditional Cage
  - 2 tunnels per field (1/team)
  - 70' x 14' x 14'
- Soft Toss Area
  - 2 poles with a sock net hung between them.





## Batting Cages Options





**SOFT TOSS NET**

- Net savers.
- Back drop for pitchers.
- Nets fenced to control access.
- Soft toss nets on sides of cages.



© 2006, www.hooverfence.com



## Commercial Batting Cages

- **Arm Motion**
  - *Each machine has set speed.*
  - *Simulate pitcher's arm motion.*
- **Wheel Machine**
  - *Greater flexibility*
  - *User selects speed, ball and can adjust height.*

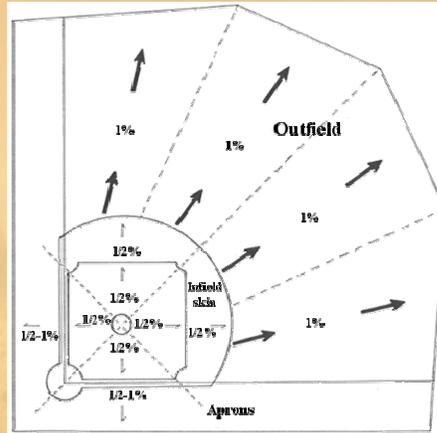


52



## Field Playability

- **MUST** drain well so that tournaments can play.
- Goal is to have **NO RAINOUTS** for large tournaments.
- Isolate field as a drainage unit.
  - *No run-offs from other fields or areas.*

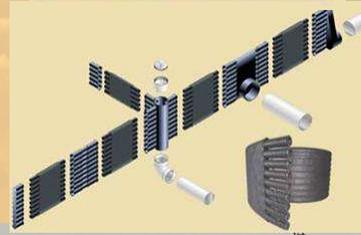
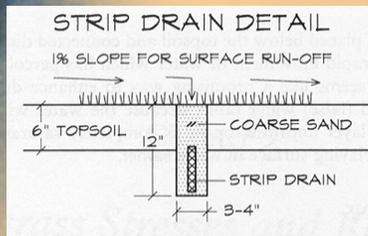


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## Drainage

Do we install drain lines?





## Infield Composition

- **Ag Lime – Crushed Limestone**
  - *Very common on infields*
  - *Brown color available at Mertens Quarry, Auxvasse*
  - *Red is next common color*
  - *5/16" minus rock*
  - *Need to have access to irrigation*
  - *Twin Oaks/BC Baseball*



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## Infield Composition-soil, clay, sand

*Advantage:  
Aesthetically pleasing.*

*Disadvantage:  
Expensive and hard to maintain.*



Available in three colors to match your field: brown, gray and red

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# Sports Turf Advantage

University of Missouri Turfgrass Research Center  
Columbia, MO

## MIX #1:

60% sand of which,

- 50% is composed of a round, uniform (masonry-type) sand and
- 50% is composed of sharp, angular, manufactured sand that is often used by city street departments for iced roads or by the highway department for crack and seal sand.

20 % silt: possibly from the existing soil.

20 % clay: possibly from the existing soil.

This totals 100%

## MIX #2:

50% sand of which,

- 50% is composed of a round, uniform (masonry-type) sand and
- 50% is composed of sharp, angular, manufactured sand that is often used by city street departments for iced roads or by the highway department for crack and seal sand.

10% coarse calcined clay or infield conditioner.

20 % silt: possibly from the existing soil.

20 % clay: possibly from the existing soil.

This totals 100%.

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# Grass Infield

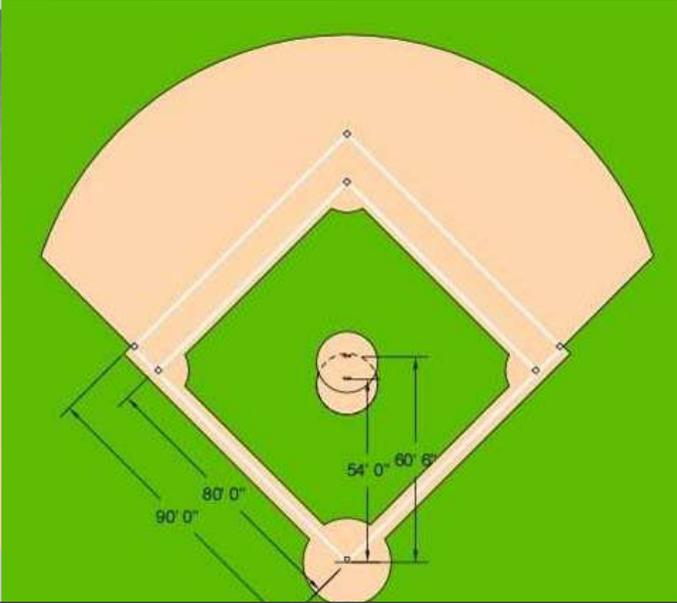


- Regulation sized grass infield offers a premium field.
- Unfortunately, it is restrictive as it only allows for 90' 60.5"
- Grass infield requires irrigation and increased maintenance.
- Do we want a grass infield on one, two or none of the two proposed fields?
- Options

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## Grass Infield: Smaller Option

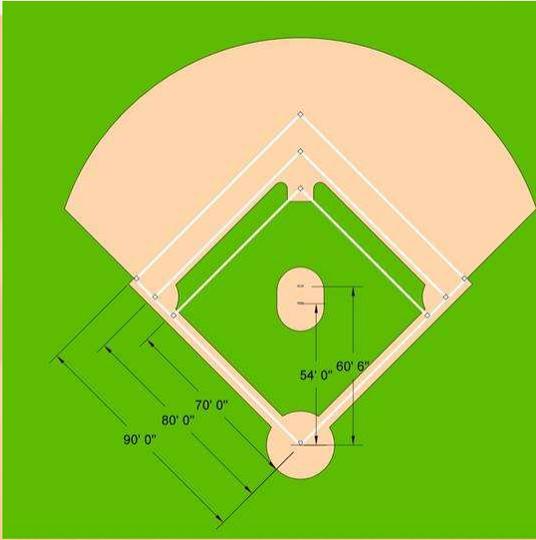


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## Grass Infield: Smaller Option 2

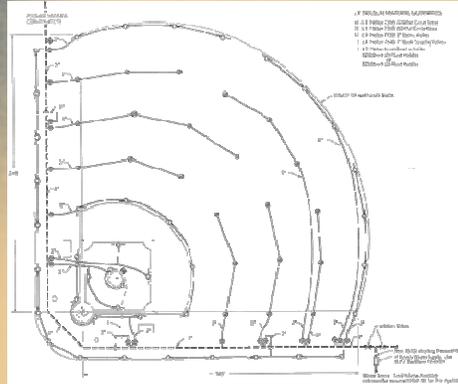
- Other option that Champion Diamonds (Nevada, MO) use is to:
- Players that use 70' bases, run on grass.
- Probably requires cutting out sod and replacing this basepath every fall.



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# Irrigation



- Fields are proposed with outfield irrigation.
- Use City water until lake and pump station are operational and funded.



# Water Available for "spot watering"





Hose must be 1-1 1/2" or larger



63



## Site Amenities

- Landscaping
- Playgrounds-covered
- Shelter in complex



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# Site Amenities

65

# Foul Lines: Permanent?

325



## Concessions



67



## Concessions—full service is norm



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## Umpires/Officials Area

69

## Electric on the fields ?

35



## St. Louis County P&R FOUNTAIN LAKE SPORTS COMPLEX

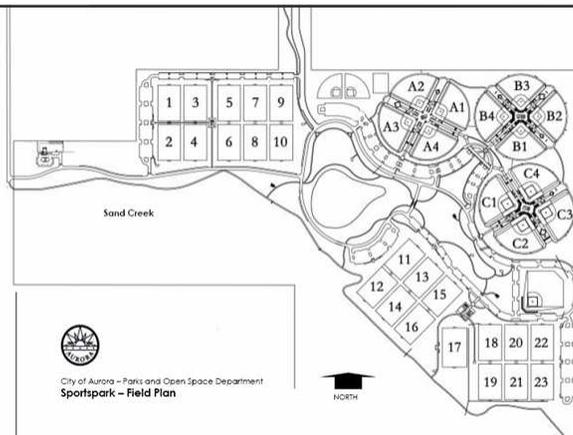
- \$750,000 (1986)
- 6 fields
- 500 car parking lot
- Irrigation
- Concession/restroom



71



- **Aurora Colorado**
- 212 acres
- Project cost: \$18.5 million design and construction
- 23 collegiate-sized soccer fields
- 14 softball/baseball fields--One championship youth baseball field
- 5 restroom/concession buildings
- Onsite maintenance facility
- 5.5-acre reuse water irrigation pond
- 2,000 trees planted, including 400 native trees
- 2,200 parking spaces.



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## Liberty: Fountain Bluffs

- 146 acres
- \$6.8 million
- Opened 2002
- 9 baseball/softball fields (1 grass infield with 380-ft fence)
- 6 soccer fields
- Irrigation w/8 lakes
- Scoreboards, PA, playgrounds, covered dugouts, ag lime infields, etc,
- 2 Concession/restrooms



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## FIRST TENNESSEE FIELDS



- 10 field complex
- Weather Resistant Infield Tarps for every field
- Electric Fans in all dugouts
- All fields with covered spectator seating
- Cool-down mister park for the kids
- Protective netting in common areas
- Children's playground with protective netting

74



## First Tennessee



75



## First Tennessee Concession

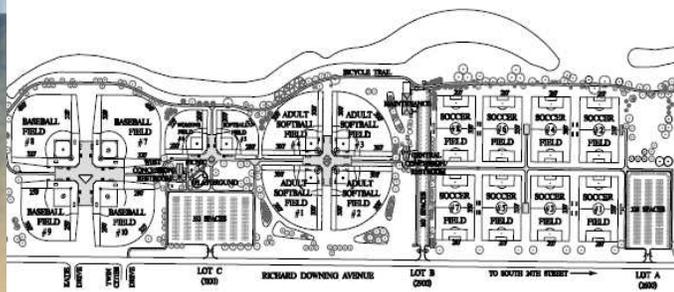


- Large main clubhouse with A/C, featuring Food Court, Arcade games, Party rooms
- Grizzlies Den SportsCafe' with 6 flat panel satellite TV's

76



## Council Bluffs Iowa



- 4 softball fields, 4 baseball diamonds, and 2 youth/fast pitch fields
- 8 full-size soccer fields with goals for soccer age groups 6 and under to 13 and under
- Two full-service concession areas
- Two conference rooms and a Large Playground
- Paved asphalt bike trail

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## Cal Ripken Complex, Myrtle Beach

- Phase 1 Completion date: June 1, 2006
- 7 baseball fields - 5 youth and 2 regulation diamonds - all individually modeled to the dimensions and character of historic baseball parks
- A custom designed training island by Cal Jr. and Bill Ripken featuring:
  - 18 batting cages
  - 12 pitching mounds adaptable to four different pitching distances
  - Bunting fields
  - Practice infield for double plays, base running, and other targeted drills
- The entrance building to including a café for quick delicious snacks and meals, a retail store with a variety of Ripken Experience and baseball merchandise plus team and individual photo opportunities.

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# Ripken's Training Island



70' RIP Circle

90' RIP Circle

90' Bunting Field

Cages

Mounds

01

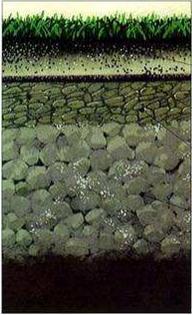


# Ripken's fields: FIELDturf



**BASE SPEC**

**FIELDturf**



- HYBRID FIBRE**  
Polyethylene and polypropylene blend • Specially treated to last, resist dirt drag • Non-toxic, non-irritative • Flood in a pattern that simulates real grass • Contains UV protection • Resistant to extreme temperatures
- FIELDTURF INFILL**  
Patented mixture of graded silica sand and ground rubber • Self-sequesters surface fibers for natural earth hold • Blocks of grass • Non-compressible, and resilient • Provides real grass playing qualities
- CARPET BACKING**  
Perforated, non-woven geotextile • Designed to provide ample spacing between blocks of grass
- CHOKE STONE**
- OPEN GRADED STONE**
- NATURAL SOIL**

*Artificial surface*

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## 3and2 Baseball, Lenexa KS



- 2 complexes: West and East
- West complex, 14 fields

83



## 3and2 Baseball: East Complex



- 8 fields
- Two premiere regulation fields

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## Atkins: City County Owned

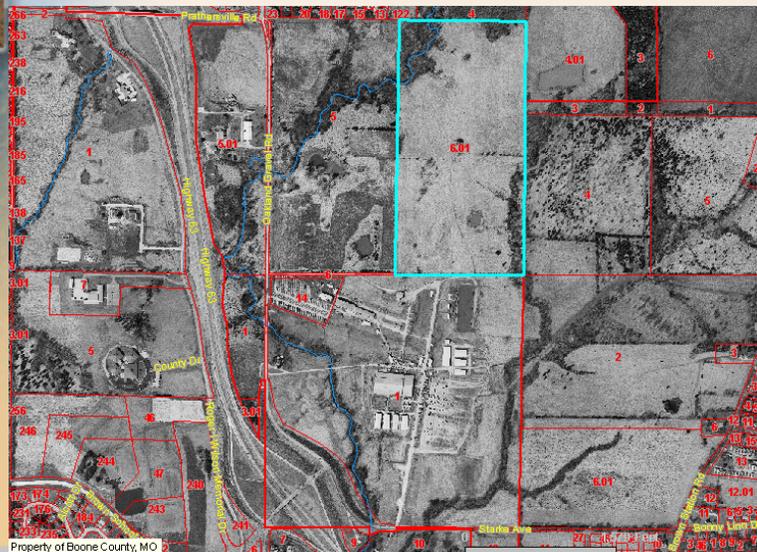
- Donated by Tom Atkins
- 80 acre
- Located north of existing Bo Co Fairground property



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## Atkins: Develop for Youth Sports





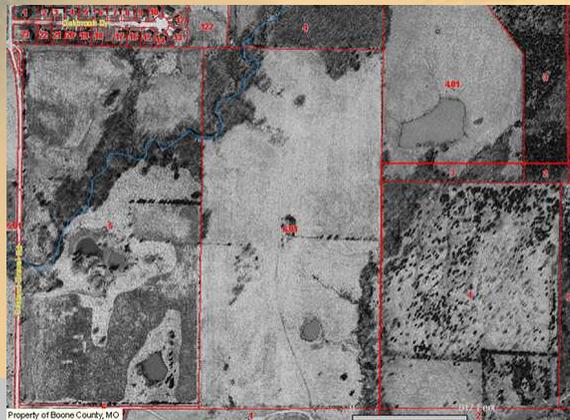
## Fairgrounds Master Plan

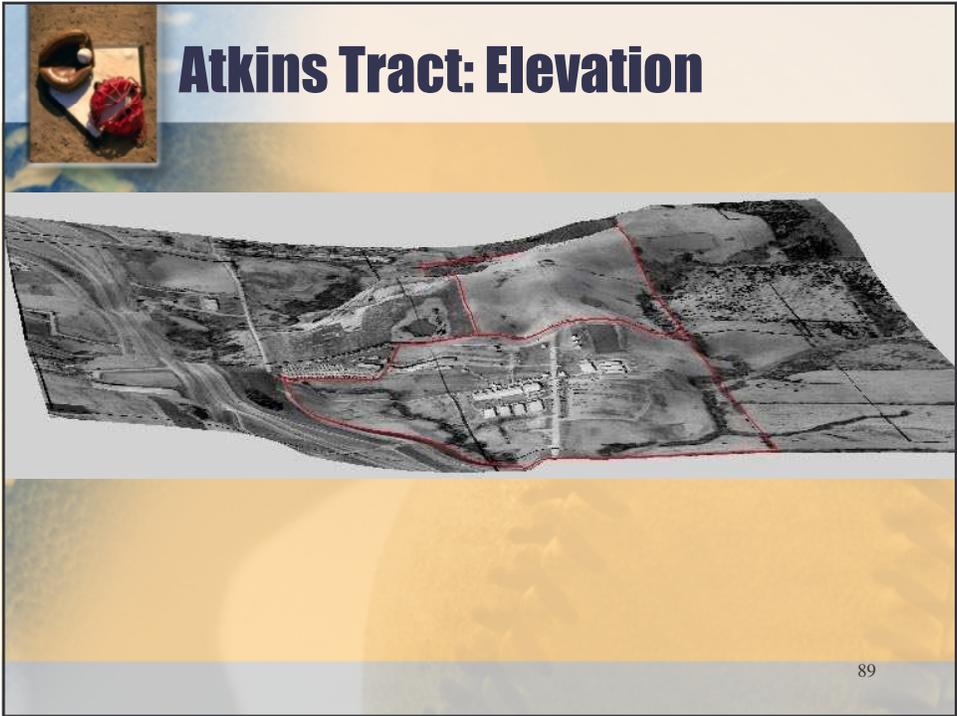
- 2003 Original Master Plan as prepared by Boone County and MU.
- Plan revised to move baseball fields to southern portion as part of LWCF Grant.
- Goal is to honor master plan in terms of type and number of fields.



## Atkins Tract: Limitations

- Bear Creek in northwest corner
- Access thru Fairgrounds (current)
- Rolling topo





# Atkins Proposed Development

- **Phase I**
  - *Grade for 5 fields, parking, roads*
  - *Construct 2 fields*
  - *Road and parking in gravel*
  - *Irrigation*
  - *Sod*
  - *Fencing*
  - *Lights*
  - *Utilities*
  - *Irrigation pond*

**PHASE ONE**

- A 400/375/325' FIELD
- B 300' FIELD
- C IRRIGATION LAKE
- D 140 CAR LOT

**PHASE TWO**

- E 300' FIELD
- F 275' FIELD
- G CONCESSION/RESTROOM
- H EXTRA BATTING CAGES
- I 70 CAR LOT

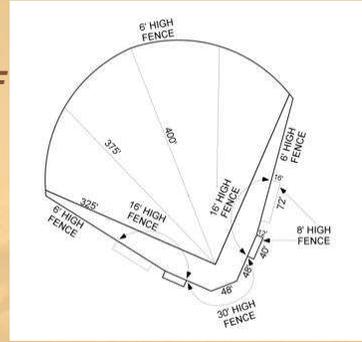
**FUTURE PHASING**

- J 200' FIELD
- K TEEBALL FIELD
- L CONCESSION/RESTROOM
- M SHELTER/PLAYGROUND
- N 500 CAR LOTS



## Design Parameters: Fence

- **Outfield fence distance**
  - *Field 1: 325' Foul 400' CF*
  - *Field 2 & 3: 300' symmetrical*
  - *Field 4 & 5: 275' symmetrical*
  - *Maximum for site*
  - *Honors Council direction*



325' perimeter fence officially meets minimum requirements for:

- *USSSA 14 & Under (300)*
- *AAU 14 & Under-80/54 only (325)*
- *Pony 14 & Under (315)*
- *NFHS (300 & 350)*

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## Design Parameters: Fence

- **Height of backstop: 30'**
- **Home plate to backstop:**
  - *F1: 40 feet*
  - *F2-F5: 30 feet*
  - *Concrete base wall*
  - *Both with pads on fence*
- **Warning track around fields.**
  - *Allows maintenance equipment access*



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## Design Parameters: Dugouts



- *Length: 40'*
- *Width: 12'*
- *Materials*
  - *Chain link*
- *Covered*
- *No water*
- *Multiple openings*
- *New bat rack design*
- *Elevated player's bench --center of dugout: closer to front of fence*
- *Scoreboard controls*
- *Electricity*



**RBHS: 46' x 10'**





## Design Parameters: Dugouts

- **Player's bench length is 24'**
- **Leaves 16' of space in 40' dugout**
- **Allows for multi openings**
- **Room for bags and equipment**
- **Is 40' overkill?**



- **Size**
  - *24' length*
  - *Seats 16*
  - *\$1,100+ship*
  - *Also 7.5, 15, & 21*

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## Design Parameter: Infield

- Grass infields proposed for 300' and 400' fields.
  - *F1 400'*
  - *F2 and F3 300'*
  - *Cut back enough to handle 80' bases*
  - *Home to 1<sup>st</sup> & Home to 3<sup>rd</sup> will be grass*
  - *Painted foul lines*
- Sod proposed on fields to expedite play.



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## Design Parameter: Infield

- Skinned infield composition?
  - *Ag Lime – Crushed Limestone?*
  - *MU recommended mix?*
  - *Calcine Clay?*
  - *Brick dust?*



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## Design Parameters: Scorekeeper



- Electric
- Public address system
- Scoreboard controls
- Phone lines
- Permanent scorekeeper area
  - Covered
  - Elevated



## Miscellaneous

- Portable Mounds
  - 10 inch on 400' field
  - 8 inch on 300' field
  - Or should all 300 and 400 fields be the same?
- Fields designed so that a combination bullpen and batting cage is near each dugout.
  - Funds determine completion
- Batting cage cluster located at other area for teams to use prior to games.
- Quick couplers near each field for spot watering (home plate).
- Drinking fountains with jug fillers.



# Windscreens

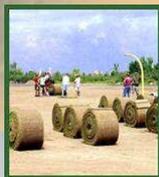


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# Construction Costs: Phase I

- Construct 2 Fields and Needed Roads & Parking
- Estimated Phase I Costs:
  - Grading: \$460,710
  - Fencing: \$300,000
  - Irrigation: \$ 38,000
  - Sod outfields: \$ 32,330
  - Lighting: \$238,000
  - Seed/straw site and landscaping: \$ 33,920
  - Hardscape (gravel roads/parking/walks) \$ 73,871
  - Utilities (get to site) \$ 50,000
  - Amenities (bleachers, benches, etc.) \$ 30,000
  - A/E Fees and Permits (5%) \$ 62,841
  - Contingency (10%) \$125,683
- Total Phase I Costs: \$1,445,355
  - Option: Move Legion lights - subtract \$58,000



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## Relocate Legion Lights

- Legion lights are part of MUSCO's "5 Easy Pieces" installation.
- Poles are placed on a precast concrete base supplied by MUSCO.
- Cost to the project would include only the precast concrete base, wires to the poles and related control panels.
- Disadvantage: this field would not be part of MUSCO's newer cost efficient "green" technology.
  - *Light-Structure Green™ cuts energy costs in half*
  - *Durable system assures long-term performance*
  - *Warranty program eliminates 100% of routine maintenance cost for 25 years, guaranteed!*
  - *Automated on/off scheduling for easy operation*



## Construction Costs: Phase II

- **Estimated Phase II Costs:**

• <i>Asphalt -- Roads:</i>	<i>\$ 14,093</i>
• <i>Asphalt -- Parking Lot:</i>	<i>\$ 34,244</i>
• <i>Concrete -- Walks, Bleacher Area:</i>	<i>\$152,000</i>
• <i>Concession/Restroom:</i>	<i>\$250,000</i>
• <i>Other Complex Amenities:</i>	<i>\$100,000</i>
• <i>A/E Fees and Permits (12%)</i>	<i>\$ 66,040</i>
• <i>Contingency (20%)</i>	<i>\$110,067</i>
- **Total Phase II Costs:** **\$ 726,444**
- **Total Phase I Costs:** **\$1,445,355**
- **TOTAL** **\$2,171,799**



## Funding Options

- **Park Sales Tax**
  - **Amount dedicated to future projects:**
    - FY-07 Youth Athletic Fields: \$700,000
    - FY-08 Legion Renovation: \$325,000
  - **Total PST for Youth Athletics: \$1,025,000**
- **Recreation Services User Fee (RSR)**
  - **Current balance: \$413,505**
  - **Generates approx \$125,000/yr.**
  - **Amount dedicated to future projects:**
    - FY-07 Antimi Sports Complex Improve: \$200,000
    - FY-08 Lake of the Woods Golf Restroom: \$ 85,000
    - FY-09-11 Cosmo Soccer Complex Improve: \$ 70,000
    - FY-09-11 Rainbow Softball Center Improve: \$250,000
  - **Total Rec Services User Fee Dedicated: \$605,000**

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## Future Considerations

- **Develop 3 remaining baseball fields.**
  - *Area already rough graded as part of initial 2 field const.*
  - *Two 275-ft fields*
  - *One 300-ft field.*
- **Develop passive recreation use.**
  - *Trails*
  - *Shelters*
  - *Playgrounds*
- **More parking and roads.**
- **Possible construction of smaller t-ball fields and practice/warm-up areas.**
- **Additional restroom and concession by smaller fields.**
- **Grandstands or covered bleachers**

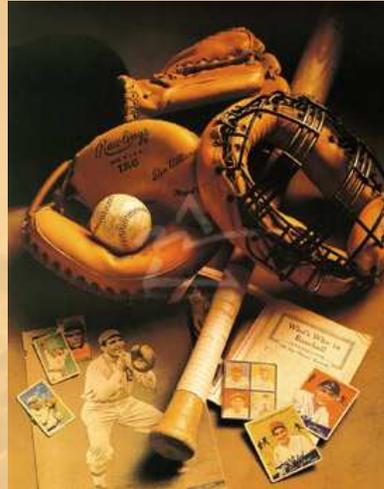


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## Conclusion

- Site Amenities will be funding dependent.
- Staff working on final design/cost estimates.
- Other Atkins items to discuss?



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## Antimi Fields

- FY-2007 (Oct 2006-Sept 2007) \$200,000 available for Antimi improvements.
- Original goal:
  - Concrete gravel areas between fields
  - Add shade
  - Replace bleachers
  - T-ball field lights?
- Concrete would:
  - Slope/drain water away from fields
  - Eliminate gravel on fields
  - Make complex easier to "clean-up"



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## Antimi Fields

- **Shade structures**
  - *Funbrellas*
  - *Smaller shelters within complex*
  - *Cover bleachers*
- **Replace bleachers to standards**
  - *Per DC's insurance*



## Antimi Cost Estimates

- **Concrete: \$92,500**
  - *18,500 sq. ft. at \$5/sq ft = \$92,500*
- **Eight 5-row bleachers: \$28,000**
  - *5-row, 15-ft long bleacher: \$3,500 each*
- **Shade Structures: \$54,000**
  - *Twelve Bleacher Covers: \$42,000*
    - *Bleacher covers: \$3,500 each*
  - *Four Funbrellas: \$12,000*
    - *Funbrellas: \$3,000 each*
- **SUB-TOTAL: \$174,500**
  - *Plus... T-Ball field lights*
    - *Range of \$47,000-\$57,000*
    - *30-ft candles*
    - *+ Utilities/Permits/Engineers: \$5,000*





## Antimi Irrigation

- Irrigate six fields
  - Four 250' fields
  - Two 200' fields
  - Add single irrigation line T-ball
  - Estimated cost: \$200,000-\$237,500
    - M&S \$95k-\$100k
- Pump station: \$60,000
  - \$50,000-\$70,000
- Total: \$297,500
  - Option of Central Computing System add \$35,000




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## Diamond Council Priorities

- What are the top priorities for the \$200,000?
  - Irrigation (\$297,500)
  - Bleachers (8@\$3,500=\$28,000)
  - Concrete (\$92,500)
  - Bleacher Shade (12@\$3,500=\$42,000)
  - Funbrellas (4@\$3,000=\$12,000)
  - T-ball field lights (\$52,000-\$62,000)
  - Aglime fields at Albert-Oakland (\$5,000)
  - Other?

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## Grass Infields at Atkins

- How do we handle practices?
- Not “politically” possible to make this a “game only” facility.
- Scheduling and cancellations may have to be done by P&R staff to prevent overuse.
- Proposed: Open fields with no practices and then as sod matures, begin to allow on a trail basis.

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