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Marquette, Michigan 49855
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8571 W. Grand River Ave., Suite 600
Brighton, Michigan 48816
Phone: (810) 229-2701 Fax: (810) 229-6767

Location:	Brighton Area Schools BAS Board Room	Project Number:	17-785
Project:	BAS 2019 Bond	Date:	January 6, 2020 revised

Present: Refer to attached.

Discussion: Purpose of meeting to review materials as outlined in the attached agenda.

1. General discussion of meeting minutes dated 12-4-19, 12-11-19 and 12-20-19. Individuals shall send comments and corrections directly back to Scott Hoeft.
2. Meeting minutes shall be issued no later than the Friday prior to the next meeting. Anything necessary to be included in the Board's packet shall be in the Superintendent's office no later than noon the Wednesday prior to the forthcoming Board meeting.
3. Additional meeting minute corrections included:
 - a. Maintenance meeting minutes dated 12-4-19;
 - i. Existing ballast removed as part of the roof replacement shall remain on site. Location to be determined.
 - b. Project Team meeting minutes dated 12-11-19;
 - i. Item 11a, only bidding in 2019 related to the bond scope is the e-rate bid for UPS's. Network and wireless upgrades will be included in next year's e-rate bid.
 - ii. Item 11b, overall discussion of technology related funds available within the bond scope. The \$7.4M technology budget in the bond was based on the BAS technology department list of current infrastructure/equipment items to be updated. Technology and security related to the additions and renovations are included in the construction budgets and will be determined as each project progresses thru design. BAS to identify the portion of the overall bond contingency to be initially allocated for technology.
4. Use of burnished masonry materials is cost prohibited and requested not to be included in upcoming projects.
5. Professional services contract updates provided. Anticipate having completed by Wednesday, January 22nd for Board packet.
6. In general a 10% retainage shall be required on each contractor. Reduction of that percentage shall be reviewed and approved on an individual basis by the committee.
7. Project Scope updates
 - a. Walkthrough shall be conducted by Scott Jacobs and Chad Parkhurst for determination of replacement of drinking fountains with bottle fillers at each building. Replacement to be the same methods as prior construction inclusive of new enclosure panel.
 - b. Hawkins Elementary; representatives to meet with IDI onsite 1/7/20 2:00 pm to better determine the location of the proposed fields. John Thompson issued concept drawings dated 12/10/19 for review. Project scope to include (3) 200' fields and (1) larger field. Placement to be determined. Based on discussion, no additional parking will be included as part of the scope.
 - c. Indoor Practice Facility

- i. John Thompson presented conceptual drawings of a proposed indoor facility and estimate of structure from Legacy Building Solutions. Note that the estimate is for exterior envelope and steel structure. Specifically not included is concrete footings and foundations, turf field, ancillary areas, equipment, fire protection, mechanical and electrical scope of work.
 - ii. John Thompson presented the National Federation of State High School Association, Court and Field Diagram Guide as a basis of standards for field layout. Refer to attached.
 - iii. Soccer field guidelines appear to be the most stringent with all other sports able to work within those measurements. Soccer field regulation width can vary from 55 yards to 80 yard. A minimum perimeter safety zone is 10 feet.
 - iv. The District would prefer to maximize the field size contingent on cost and placement of the final structure.
 - v. The building shall be a standalone structure with its own ancillary areas including equipment storage and toilet rooms. No locker rooms are required. Toilet rooms to be accessible from exterior if located where other athletic fields occur.
 - vi. If located at Maltby Intermediate School site the concessions may be incorporated into the final building layout.
- d. Maintenance Building
 - i. IDI presented three layouts, Concepts A, B and C. Concept C represents the current budget per the Bond Application. Concept A is what the Districts original program requires.
 - ii. Based on analysis the existing makeup air unit for the Transpiration Building will not be replaced under this project. Operationally, and for cost reasons, each area should be supported by its own makeup air unit.
 - iii. Proposed building addition height requirement is 14 foot clear. No mezzanine is to be provided.
 - iv. Overhead doors shall be (3) 10 ft. x 10 ft. and (1) 14 ft high x 10 ft in width. This bay shall also include a beam to support crane hoist.
- e. BECC Concession and Toilet building.
 - i. Recommendation to locate where current concession stand occurs.
 - ii. Structure and appearance to match those of the High School (adjacent to tennis courts) and Scranton Middle School Concession Building.
 - iii. Structure to include a ticket booth and potential archway entry onto observation area.
- f. STEAM High School Addition
 - i. District is finalizing committee members for the development of the academic program. Committee shall help define the goals, needs and objectives of the space.
- 8. Requests for proposal (RFP) being prepared by IDI for both surveys and soil borings. Andrew has walked the sites to become generally familiar with the site and related work. Schedule for issuance and securing testing agencies is as follows:
 - a. 1/10/20, issue draft for BAS review
 - b. 1/16/20, issuance of RFP
 - c. 1/24/20, receive responses
 - d. 1/30/20, IDI recommendation to committee
 - e. 2/3/20, committee review for recommendation to the Board
 - f. 2/10/20, Board action
- 9. General comments include:
 - a. It is not anticipated to procure any furniture with the 2020 calendar year. Exceptions may occur based on future needs and project scope.

- b. District requested a request for proposal be generated to scan in existing District drawings. Preference would be to complete task on site.

Action Items:

- A. IDI shall inventory drinking fountain locations in each building with Scott Jacobs.
- B. IDI shall prepare a draft RFP for the Districts use in obtaining scanning services.
- C. IDI shall meet with District representative at Hawkins Elementary site for ballfield discussion 1/7/20. 2:00 pm.
- D. IDI shall develop outline schedule for documentation completion.
- E. IDI shall develop revised Maintenance building layout and issue to Clark Construction for preliminary estimates.
- F. John Thompson shall schedule visits to other indoor facilities, including Country Day and Michigan State University.

Attachments: Attendee List
 National Federation of State High School Association, Court and Field Diagram Guide
 Conceptual drawings of a proposed indoor facility (exterior)
 Hawkins Elementary Baseball Field concept layouts dated 12/10/10

Distribution: Attendees
 BAS Project Team

Brighton Area Schools, 2019 Bond**BAS Project Team**

Attending
1/6/2020

Name	Position	Phone	Email	
Brighton Area Schools				
125 South Church Street, Brighton, MI 48116			810-299-4000	
Dr. Greg Gray	Superintendent	517-376-0133	grayg@brightonk12.com	X
Mike Engelter	Asst. Superintendent	248-444-0719	engelterm@brightonk12.com	X
Sharon Irvine	Asst. Superintendent	734-678-8517	irvines@brightonk12.com	X
Scott Jacobs	Dir. Of Operations	810-499-3355	jacobss@brightonk12.com	X
Chris Turner	Dir. Of Technology	517-575-8610	turnerc@brightonk12.com	X
John Thompson	Dir. Of Athletics	810-223-1613	thompsj@brightonk12.com	X
Andy Burchfield	Board Member		burchfielda@brightonk12.com	
Bill Trombley	Board Member	810-360-9916	trombleyw@brightonk12.com	X
Ken Stahl	Board Member	810-599-0561	stahlk@brightonk12.com	X
Integrated Designs Inc.				
8571 W. Grand River Ave., Suite 600, Brighton, MI 48116			810-229-2701	
Scott Hoeft	Architect	810-599-4814	scott@intdesigns.com	X
Andy Adams	Architectural Design	906-361-4637	andy@intdesigns.com	
Chad Parkhurst	Mechanical Design	618-799-8078	chad@intdesigns.com	X
1021 W. Baraga Avenue, Marquette, MI 49855			906-228-4480	
Andrew Mansfield	Civil Engineer	810-610-0081	andrewm@intdesigns.com	X
Brian Kudej	Civil Engineer	906-360-1798	brian@intdesigns.com	
Nathan Clish	Structural Design	906-204-4068	nate@intdesigns.com	
Phil Neimi	Structural Engineer	906-250-4013	phil@intdesigns.com	
Steve Boettcher	Mechanical Engineer	906-236-3627	steve@intdesigns.com	
Adam Manty	Electrical Design	906-236-3625	adam@intdesigns.com	
Tom Heiskanen	Electrical Design	906-362-3632	tom@intdesigns.com	
Shannon Finnila	Project Coordinator	906-250-4866	shannon@intdesigns.com	
Linhou Associates				
10465 Citation Drive, Brighton, MI 48116			810-227-5668	
Peit Lindhout	Architect	810-599-6082	pwl@lindhout.com	
Jason McIntyre	Architect	810-227-5668	djm@lindhout.com	X
T² Designs Inc.				
10511 Citation Dr Suite 200, Brighton, MI 48116			248-486-9249	
Tracy Taylor	Interiors / Furniture	248-444-8180	tracy@t2designsinc.com	X
Barton Malow Company				
26500 American Drive, Southfield, MI 48034			248-436-5000	
Paul Twigg	Technology Consultant	248-672-9634	paul.twigg@bartonmalow.com	X
Brian Jessie	Technology Consultant		brian.jessie@bartonmalow.com	X
Clark Construction Co.				
2660 Superior Court, Auburn Hills, MI 48326			248-286-1000	
3535 Moores River Drive, Lansing MI 48911			517-372-0940	
Gary Steller	Construction Mgr.	517-881-9198	gsteller@clarkcc.com	X
Paul Bemis		248-808-5080	pbemis@clarkcc.com	
Contracting Resources				
8273 Grand River Avenue, Suite 150, Brighton, MI 48116			810-229-4320	
Jim Barnas	Construction Mgr.	248-514-9197	jbarnas@contractingresources.net	
Michael Barnas	Project Superintendent			
Brad Barnard	Project Superintendent			



John Thompson <thompsj@brightonk12.com>

Hawkins Baseball / Softball

Woody Isaacs <woody@virdg.com>

Fri, Jul 18, 2014 at 9:38 AM

To: John Thompson <thompsj@brightonk12.com>, Gray Greg <grayg@brightonk12.com>, Matthew Marino <marinom@brightonk12.com>

Cc: TJ O'Connor <toconnor@shwgroup.com>, Tim Britain <tim@virdg.com>

Please find attached a revised image of the Hawkins baseball/softball concept with the modifications we discussed during our site meeting. I think the complex has a lot of potential and could work quite well. Please let me know if you have any questions or would like to see any revisions.

>From a technical standpoint, if/when we move into final construction documentation, we would need to obtain additional topo survey in the southwest portion of the site, which was not needed for the other bond work. We can solicit the original surveyor for a proposal to expand the survey whenever it is convenient for the district.

Thanks and have a good weekend. Woody



Woodrow S. Isaacs III, ASLA

313 North Burdick Street

Kalamazoo, MI 49007

(269) 978-5143 (voice)

(866) 683-5060 (fax)

(269) 377-1185 (mobile)

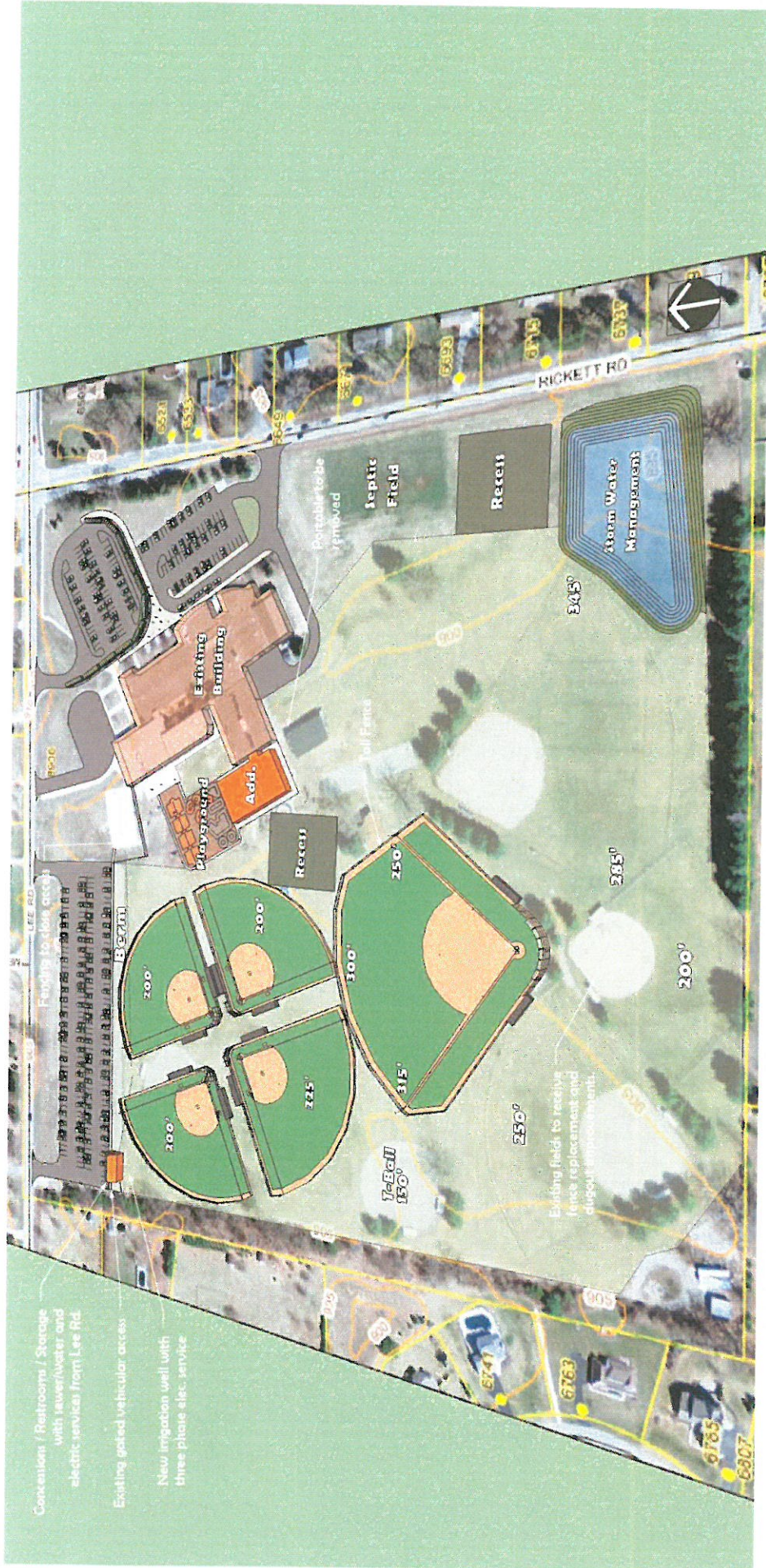
www.virdg.com

2 attachments



Hawkins071714.jpg
1018K

hawkins-c0 survey.pdf
1060K



Corrections / Restrooms / Storage
with sewer/water and
electric services from Lee Rd.

Existing gated vehicular access

New irrigation well with
three phone elec. service

Portable to be
removed

Septic
Field

Recess

Storm Water
Management

Existing
Building

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Playground

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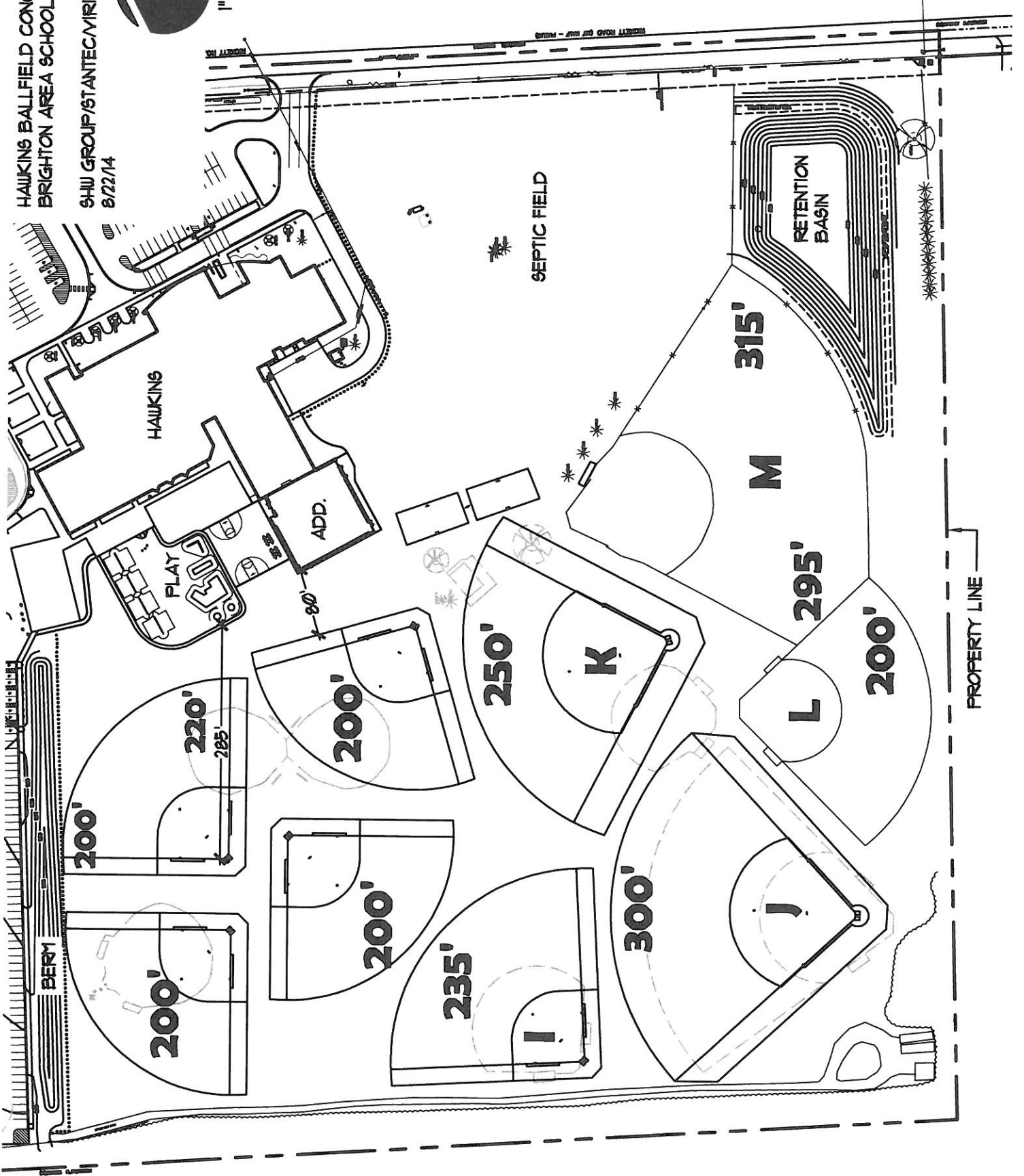
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HAUKING BALLFIELD CONCEPT
BRIGHTON AREA SCHOOLS

SHU GROUP/STANTEC/MIRIDIS
8/22/14



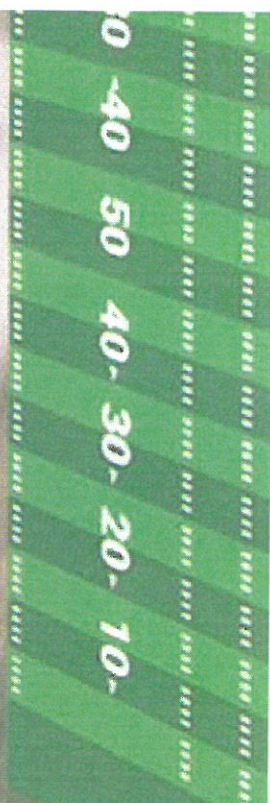


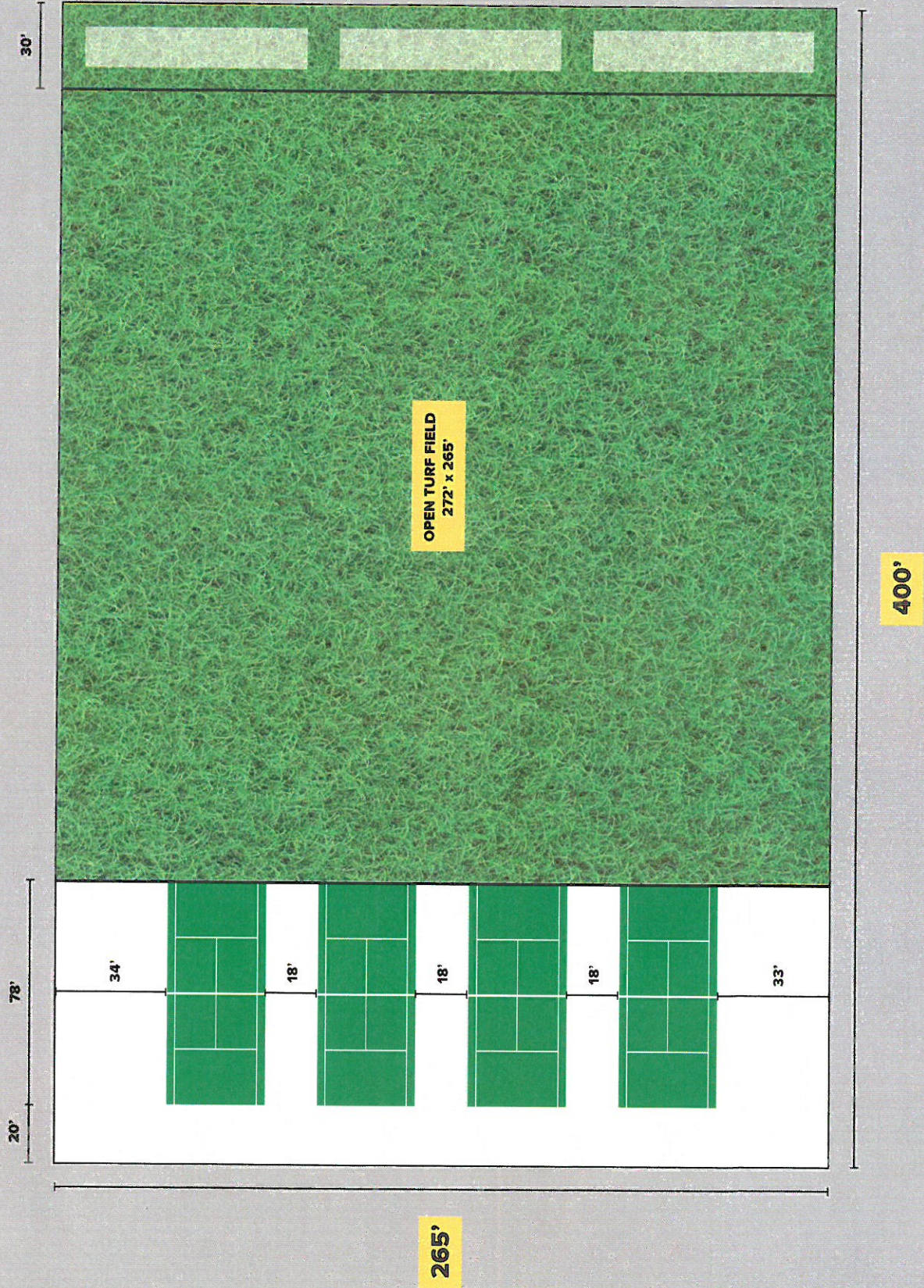
PEAK HEIGHT
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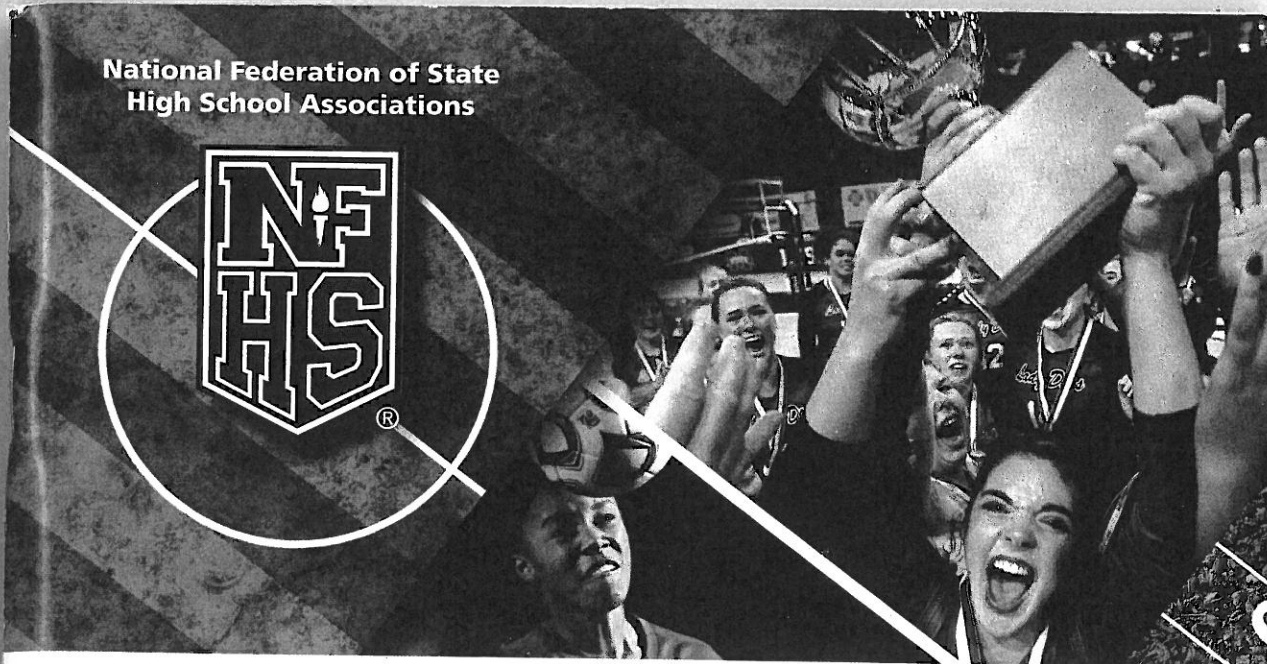
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SIDEWALL
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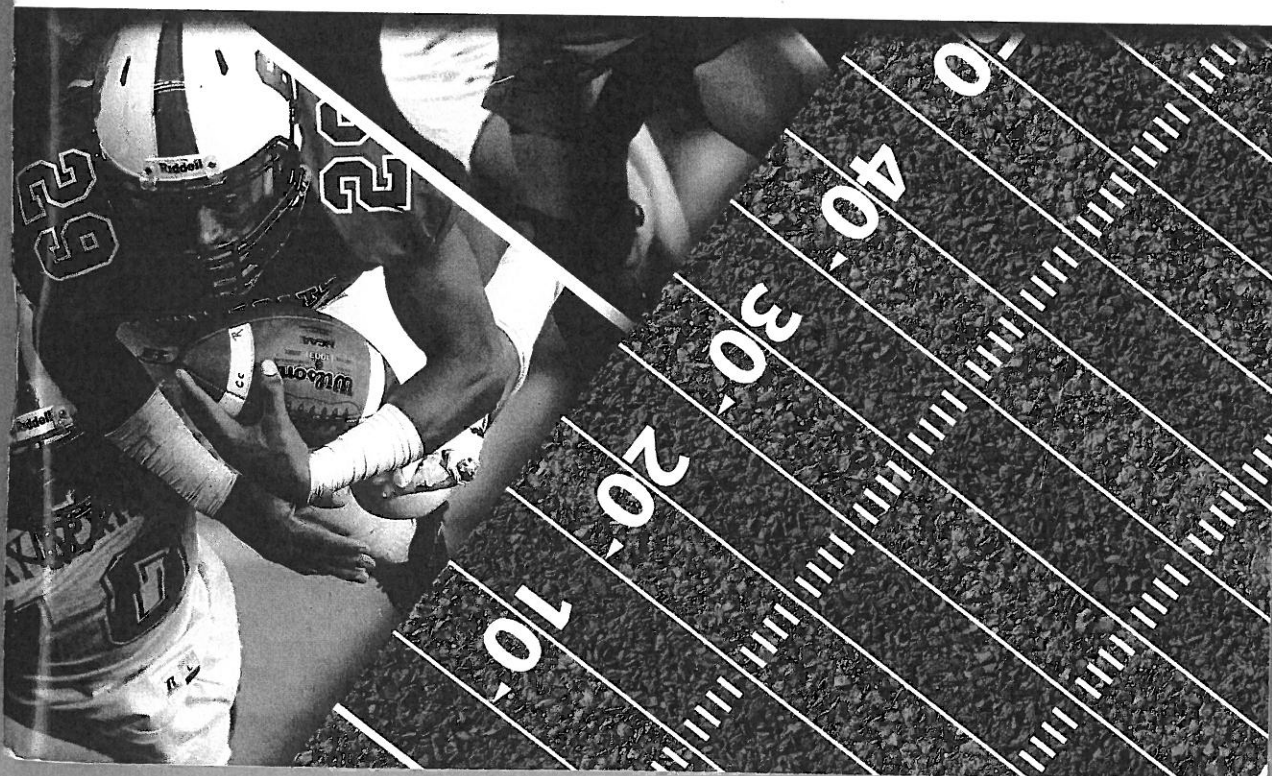
National Federation of State
High School Associations



Court and Field

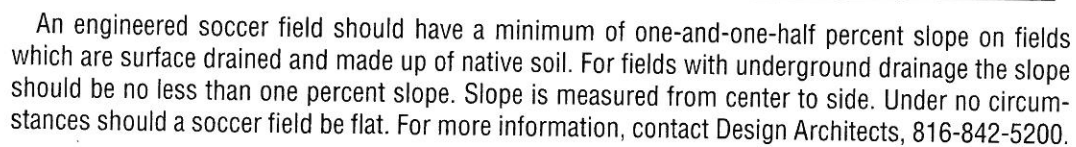
DIAGRAM GUIDE

CFDG18

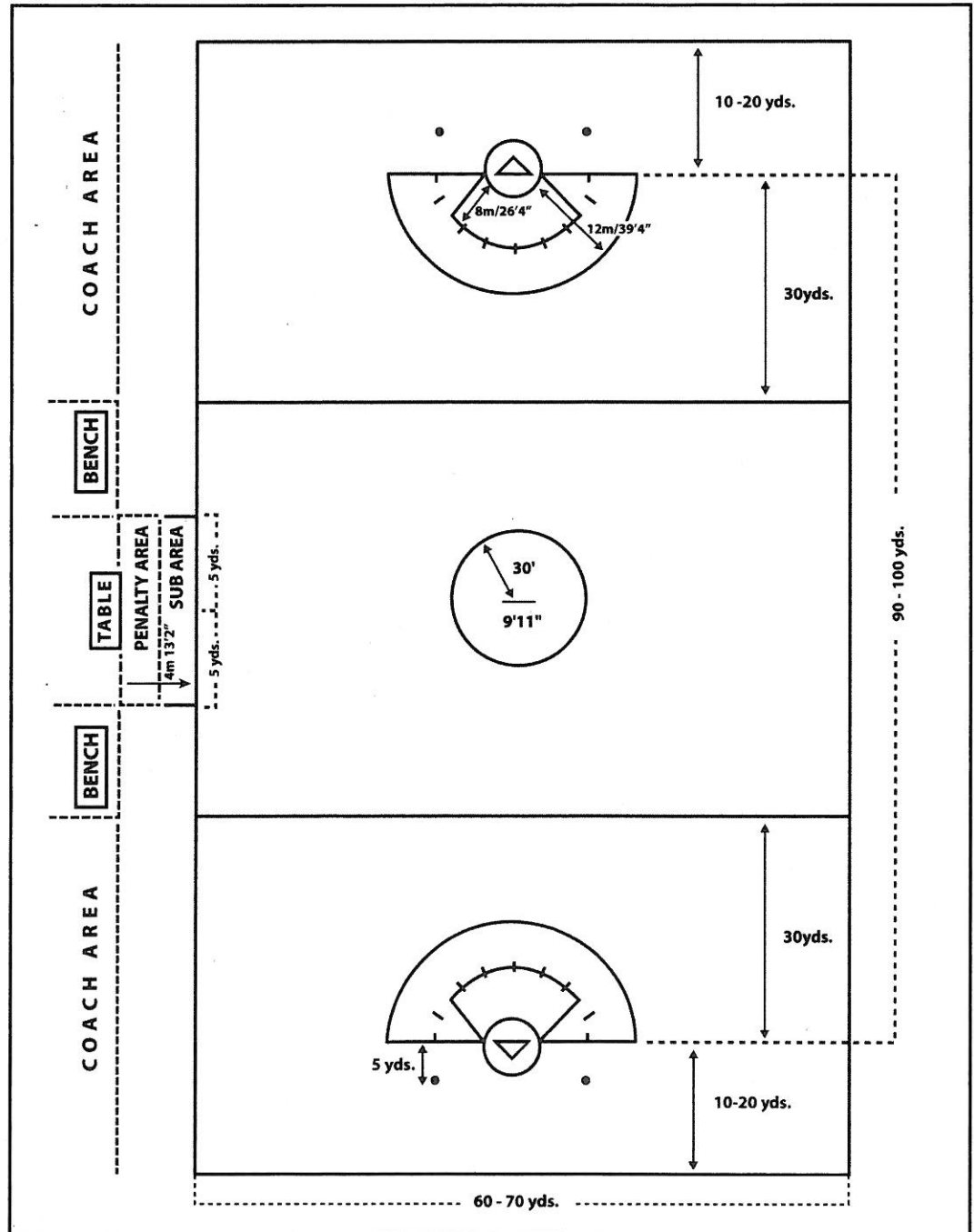


QUICK
RELEASE TABS

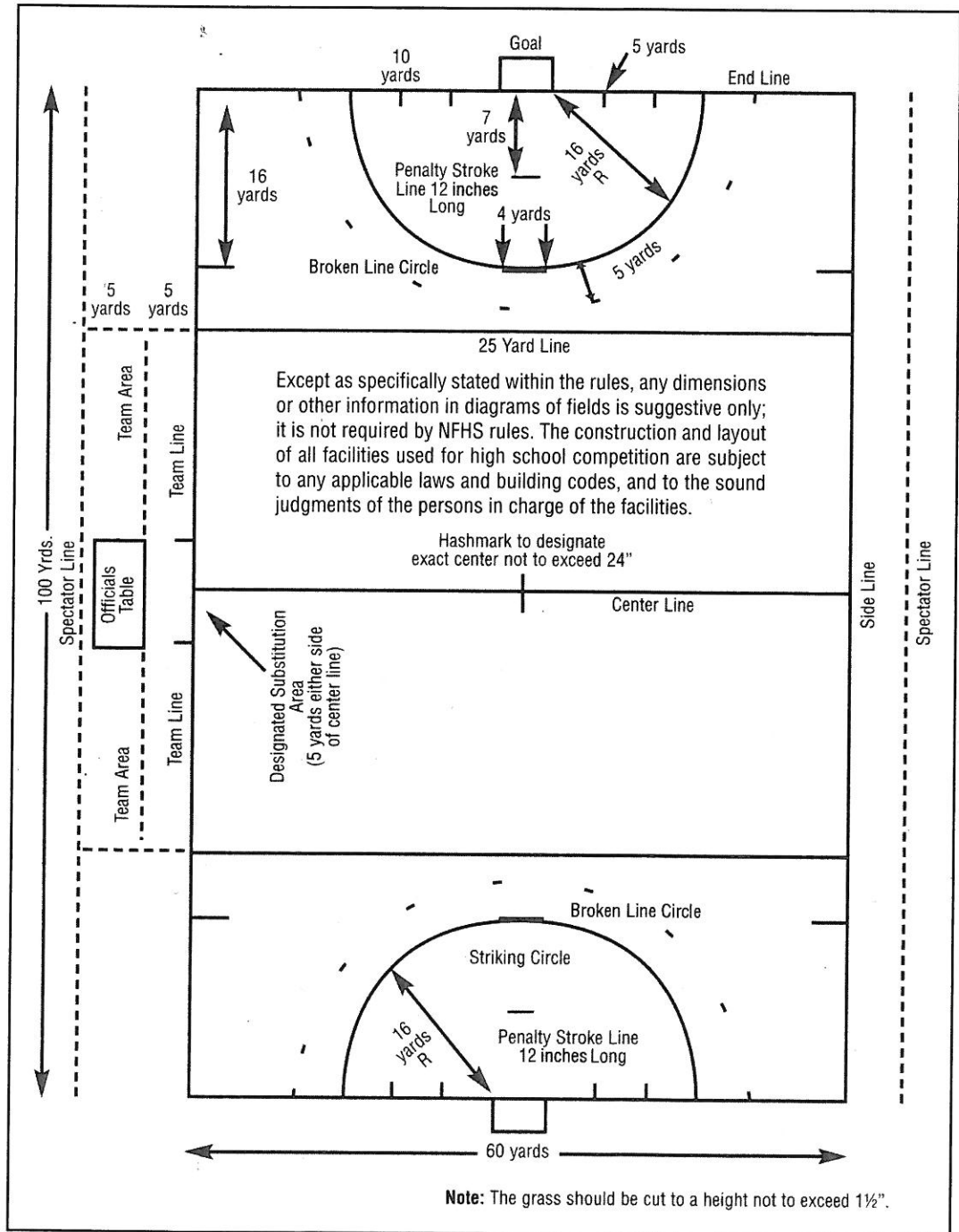
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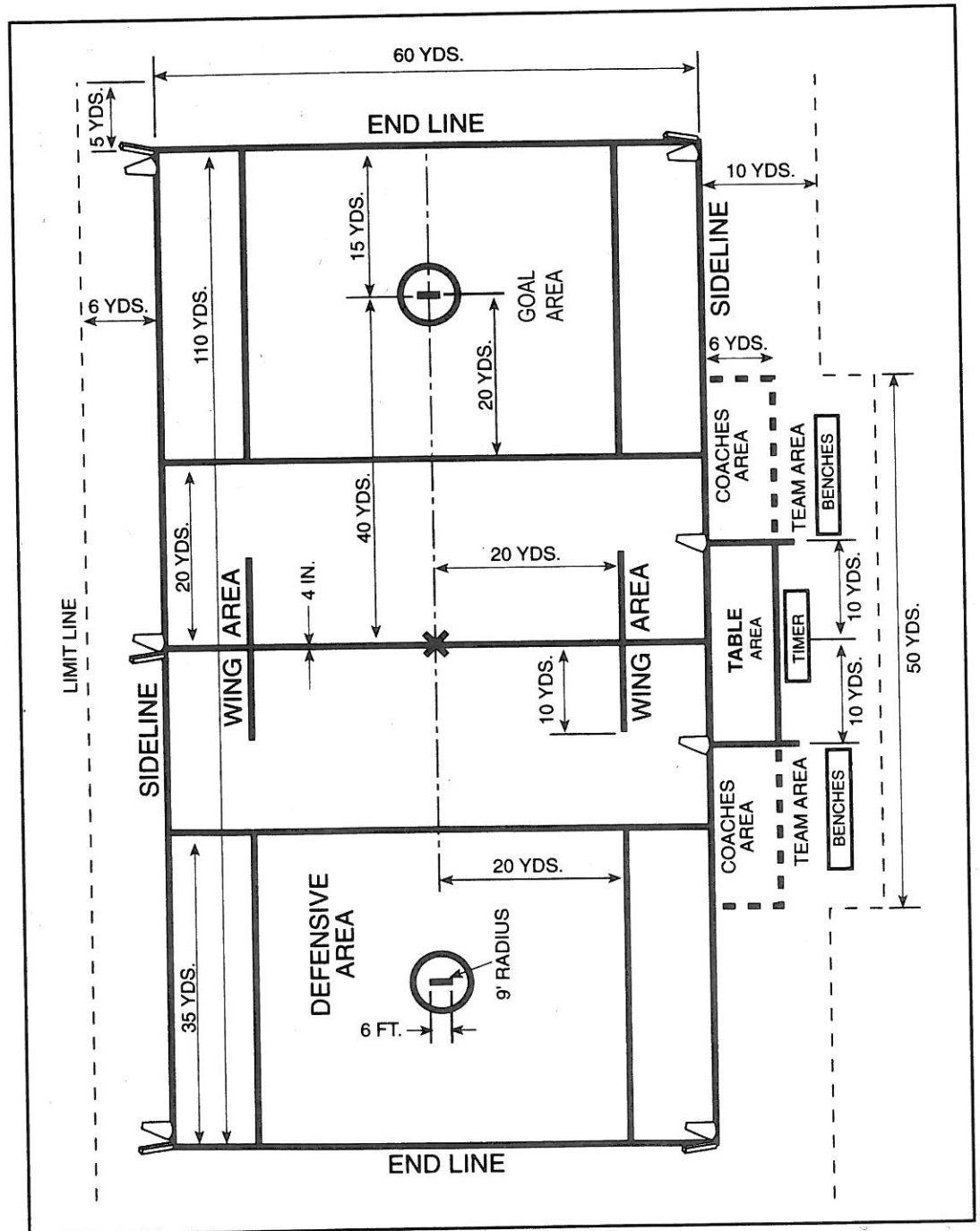
GIRLS LACROSSE



FIELD HOCKEY

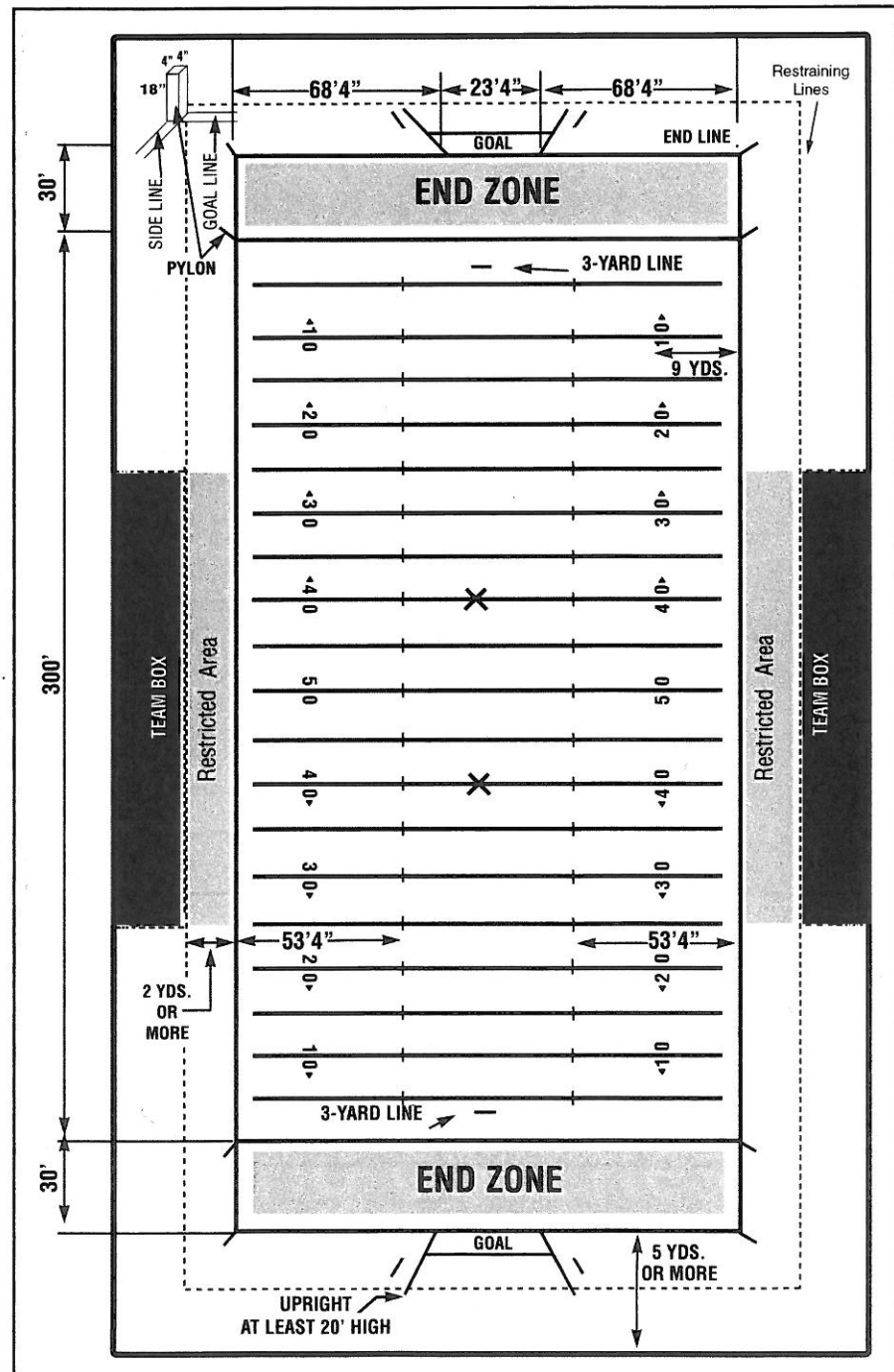


BOYS LACROSSE



FOOTBALL

11-PLAYER FIELD

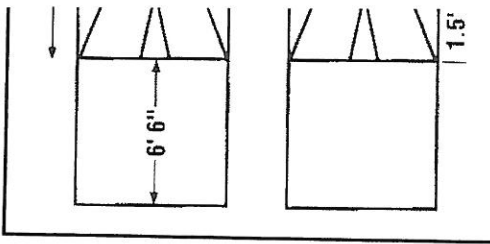
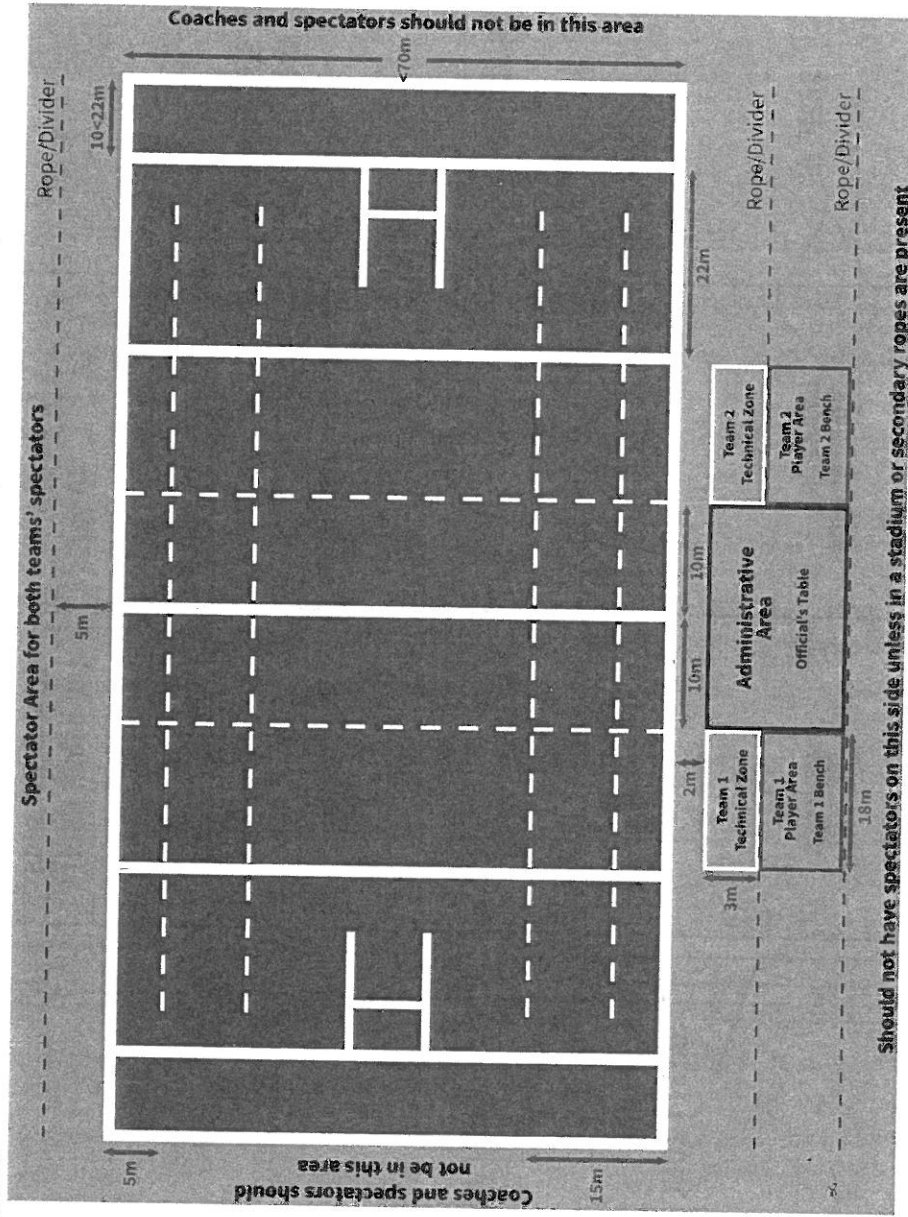


RUGBY

SHUF

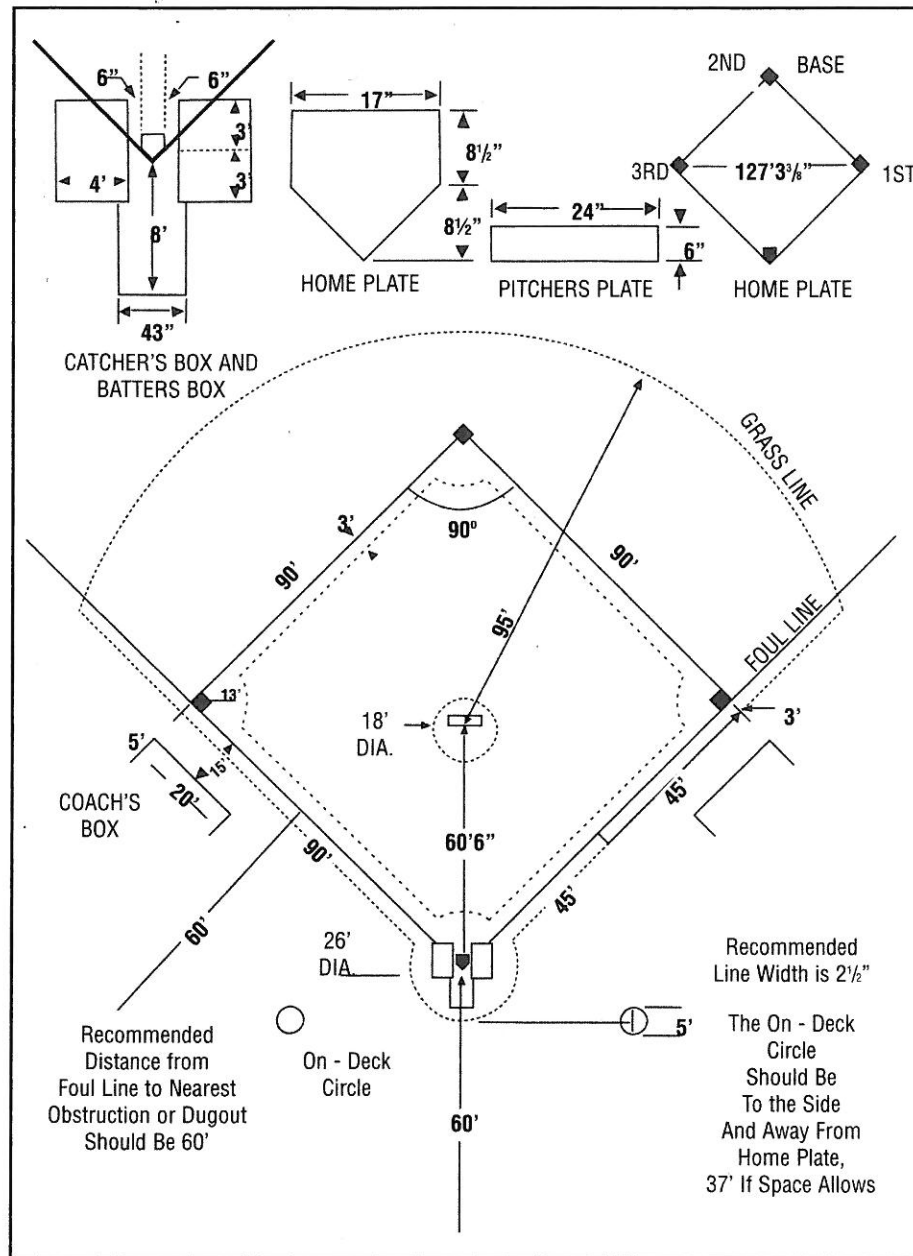


← 131 - 120 yards →



75.5 yards

BASEBALL



When constructing a new field for high school play, the distance from home plate to the nearest obstruction on fair ground should be at least 300 feet down the foul lines and at least 350 feet to center field. It is recommended that the line from home plate through the pitcher's plate to second base run east-northeast. This line, using a steel tape or a strong tape or cord, must measure 127 feet, 3 3/8 inches from the rear tip of home plate to the middle of second base.

TENNIS

core, USGA Course Rating™, 1. To determine the Handicap; multiply the difference by number to the nearest tenth. 113 / Slope Rating, rounded al” for additional reference,

Sips in match play (play by 1 handicaps and others, the later handicap $\frac{3}{4}$ of the difference) are used on certain

•

United States Tennis Association

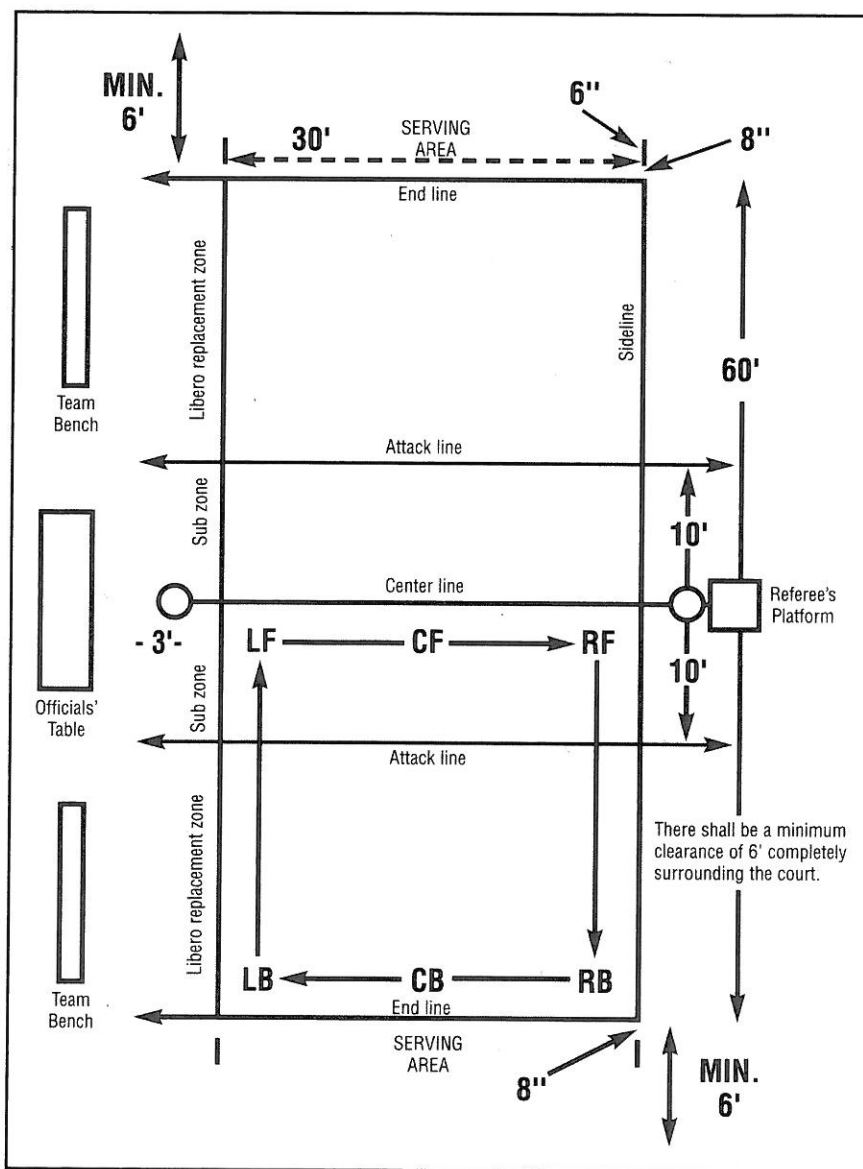
American Sports Builders Association

9 Newport Drive, Suite 200
Forest Hill, MD 21050
Telephone: 866-501-2722
Fax: 410.730.9595
Email: info@sportsbuilders.org
Website: www.sportsbuilders.org



VOLLEYBALL

COURT DIAGRAM Standard English Measurements



All lines on the court are 2 inches wide. For the center line, a solid or shadow-bordered 2-inch-wide line is permissible. The border for a shadow center line shall be at least ¼-inch wide and shall be within the 2-inch width. The midpoint of the attack line shall be measured from the midpoint of the center line. It is recommended that the area above the court be clear of any obstructions and at least 23 feet (7 meters) high.