

BOROUGH OF
NEW PROVIDENCE

SETTLED IN 1720

*Borough Council
Capital Improvement Committee*

Lincoln Field Proposed Renovation

Capital Improvement Committee

Jim Madden, Chairman

Dr. Bob Robinson

Rob Munoz

May 28, 2014

CIC Committee Objectives

- ▶ *Obtain Organizational input*
- ▶ *Correlate the data*
- ▶ *Incorporate Rec Master Plan*
- ▶ *Apply against current facility inventory*
- ▶ *Determine appropriate ideas and concepts against facility inventory*
- ▶ *Stay within Capital Budgets*
- ▶ *Solicit Community Feedback*
- ▶ *Make recommendations for projects for Council Approval*

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NP Current Field Inventory Assessment

Field	2006 Turf Condition	Current Turf Condition	Renovations
Borough Owned			
Oakwood	Substandard	Substandard	None
Lincoln	Substandard	Substandard	None, NPSC Canceled remaining Season
Hillview	Substandard	Excellent + (2) FieldTurf Infields	2013 – CIC Project
Grove	Substandard/Poor	Substandard – recurring vandalism	None
Warner	Substandard	Substandard	2004 – County Grant
Lions Park	Good	Good + Volunteer Infield Renovation	2013 – PAL + DPW
Board of Education			
Lieder Field	Fair	Excellent: FieldTurf Synthetic 2008 Lights installed -2011	Private and Public (NPAF + NPPR + Boro)
West Field	Substandard	Fair: Renovated showing wear	2009 Public (NP BOE)
NPHS Complex (Miller)	Substandard	Fair: Renovated drainage issue	2009 Public (NP BOE)
AW Roberts	Substandard	Substandard	HS Softball Diamond
Salt Brook	Fair	Fair	None
Privately Owned			
Aircast	Substandard	Substandard	None
Bard	Substandard	Good: Renovated 2008	Private (NPSC)
OLP	Substandard	Substandard – recurring vandalism	None

What are the Current Priorities?

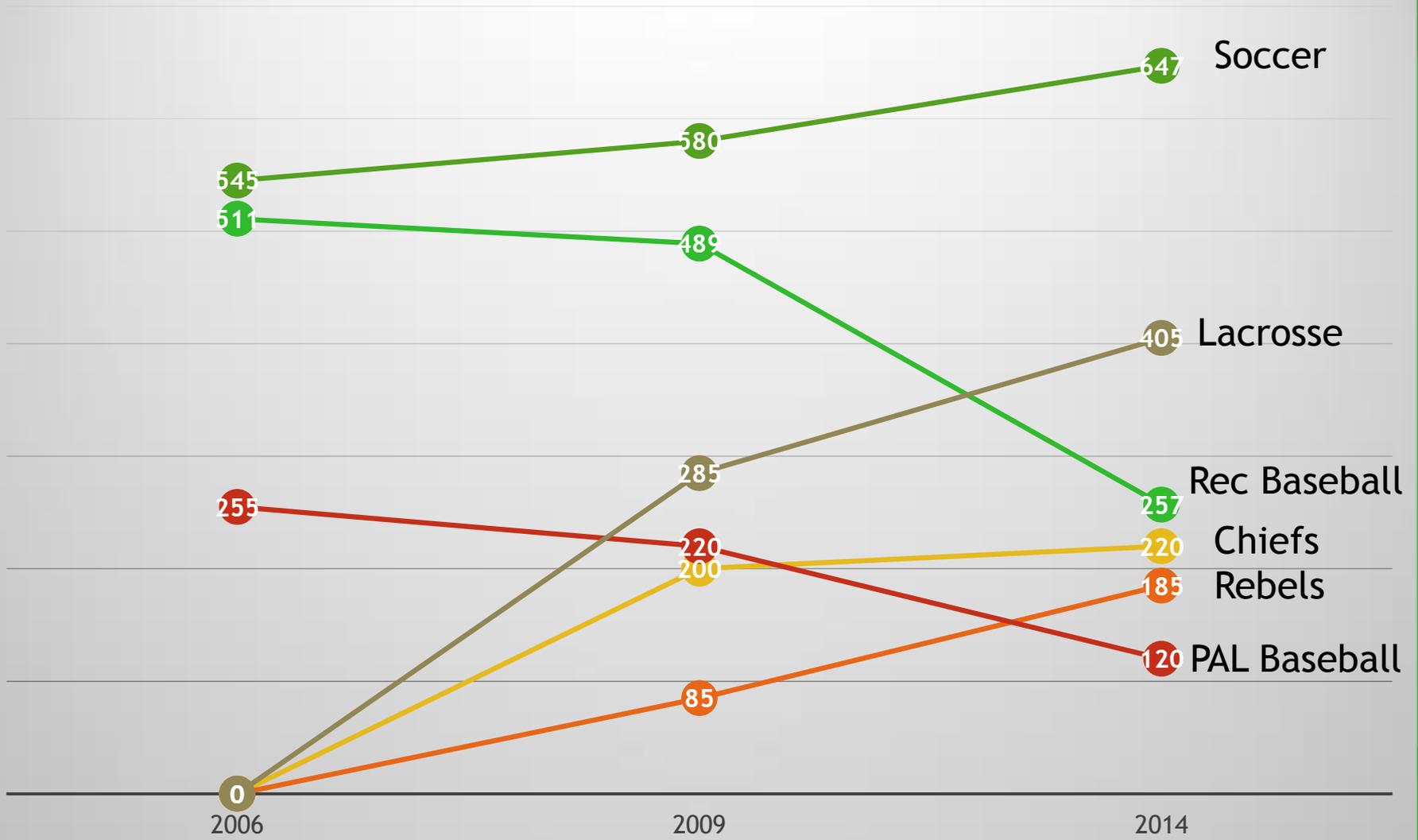
Regularly Scheduled Maintenance & Care Plans

- ▶ #1 Priority remains rectangular Synthetic Turf fields with Lights where possible
- ▶ #2 Priority is renovating grass rectangular fields, drainage, and irrigation
- ▶ #3 Priority is to improve safety levels at the baseball fields (sideline fencing)
- ▶ #4 Priority is adding Gymnasium Space

Current Participation Data

Program	Participants	# of Field Used	Field Size	Full Size Fields Used	Small Sided Field Used	Typical Program Season	Comments
Recreation T-Ball	80	4	45 x 60 LL		Hillview, AWR, SB, Lions	April to May	
Recreation Baseball	257	8	45 x 60 LL		Lincoln, AWR, SB, Hillview	March to May	Large Participation with largest amount of drop off to age 14
Recreation Softball	75	2	45 x 60 LL		Salt Brook, AWR	March to May	
PAL							
PAL Baseball	200	10				June to July	
Coach Pitch	40		45x60		Salt Brook	June to July	
Age 8-10	100		45x60		Hillview, Lions, Lincoln	June to July	
Age 10-12	30		*50x70	Oakwood		June to July	Requested Dedicated 50x70 Fields
Age 13-14	30		60x90	Oakwood, Miller (HS)		June to July	
PAL Softball	50	2	45x60		AWR	June to July	Play at renovated AWR Field
PAL Flag Football	175	5	Mini		Oakwood	Aug to Nov	
PAL Hawks Football	100	1	Full	Lieder, Oakwood		Aug to Nov	
Chiefs Lacrosse							
Clinic	50	1	Full Size Rect	Lieder		March to May	Need more space. Contention with Soccer in Spring for Grass
League	170	2	Full Size Rect	Lieder, Aircast, OLP		March to May	
Rebels Lacrosse	185	1	Full Size Rect	Lieder		March to May	Also use Snyder and GL
NP Soccer Club							
Micro League							
Fall	198	1	Mini		Lincoln	Sept to May	
Spring	185	1	Mini		Lincoln	Sept to May	
IC League 8v8	125	4	Intermediate	Lincoln, Oakwood, Hillview	Warner	Sept to May	Biggest Impact is shortage of smaller sided fields
MNJ League 11v11	191	4	Full Size Rect	Hillview, Grove, Lieder		Sept to May	
Adult							
Women	80	1	Full Size Rect	Lincoln		Sept to May	
Men	80	1	Full Size Rect	Lincoln, Lieder		Sept to May	

Participation & Registration Trends



NP Rec Baseball

NP Soccer

Chiefs LAX

Rebels LAX

PAL Baseball

LAX Total

Preliminary Conclusions, Trends and Issues

- ▶ *Youth Lacrosse is the fastest growing participant activity since 2006 Rec Master Plan was released.*
- ▶ *Fortunately, Chiefs and Rebels share field time with Berkeley Heights facilities (at Snyder & GLHS)*
- ▶ *Soccer is the largest and consistently participated activity within the Borough (647 annually)*
- ▶ *Baseball has the highest abandonment rate from beginner level to High School level*
- ▶ *Most glaring unfulfilled need is **Rectangular Fields** which validates Rec Master Plan findings (Soccer and Lacrosse)*
- ▶ *Perception that “Soccer is a fall sport” as it relates to field scheduling, contention and prioritization*

Current Lincoln Field



Current Lincoln Field - Concerns

- ▶ *Overall natural grass surface is “substandard”*
- ▶ *Rectangular grass field cuts into baseball infield skin*
- ▶ *Both “penalty areas” transition from grass to skin which affects play*
- ▶ *Surface water retention in southwest corner*
- ▶ *Dual side street parking - unsafe crossing*
- ▶ *Playground is currently within foul ball territory*
- ▶ *Unauthorized field manipulation at near diamond*

Lincoln Design Objectives

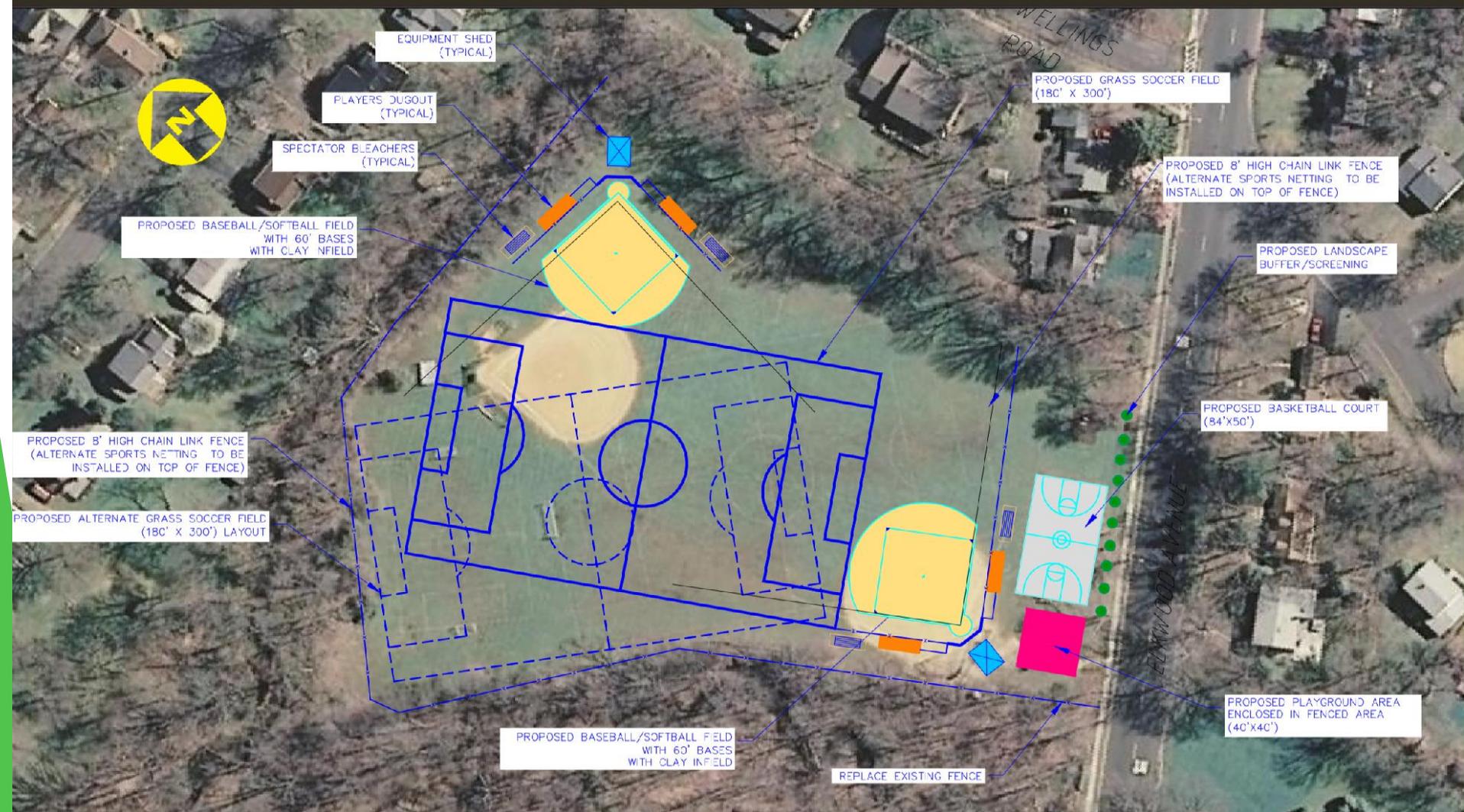
- ▶ *Biggest priority is restoration of rectangular field area*
- ▶ *Maintain an unencumbered rectangular field free of skin baseball infields*
- ▶ *Improve street/off-street parking*
- ▶ *Renovate Basketball Court & Playground Areas*
- ▶ *Improve Safety throughout the design concept*
- ▶ *Stay within approved budget of \$350K*
- ▶ *Align space, budget, and prioritization*

Initial Design Concept - Maximize Space



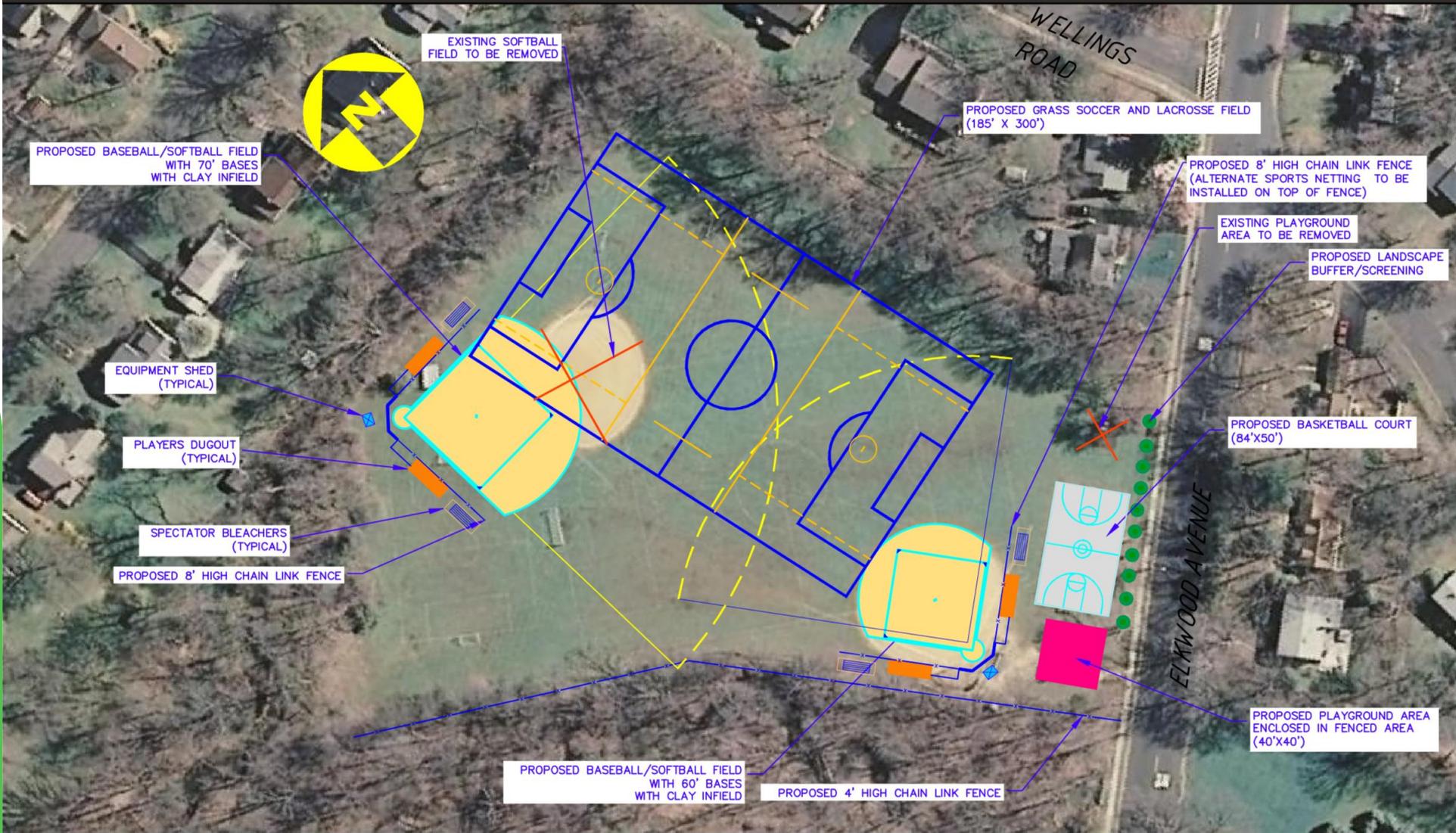
Design Concept 2 *Second Design Concept - Utilize Space*

LINCOLN FIELD CONCEPT



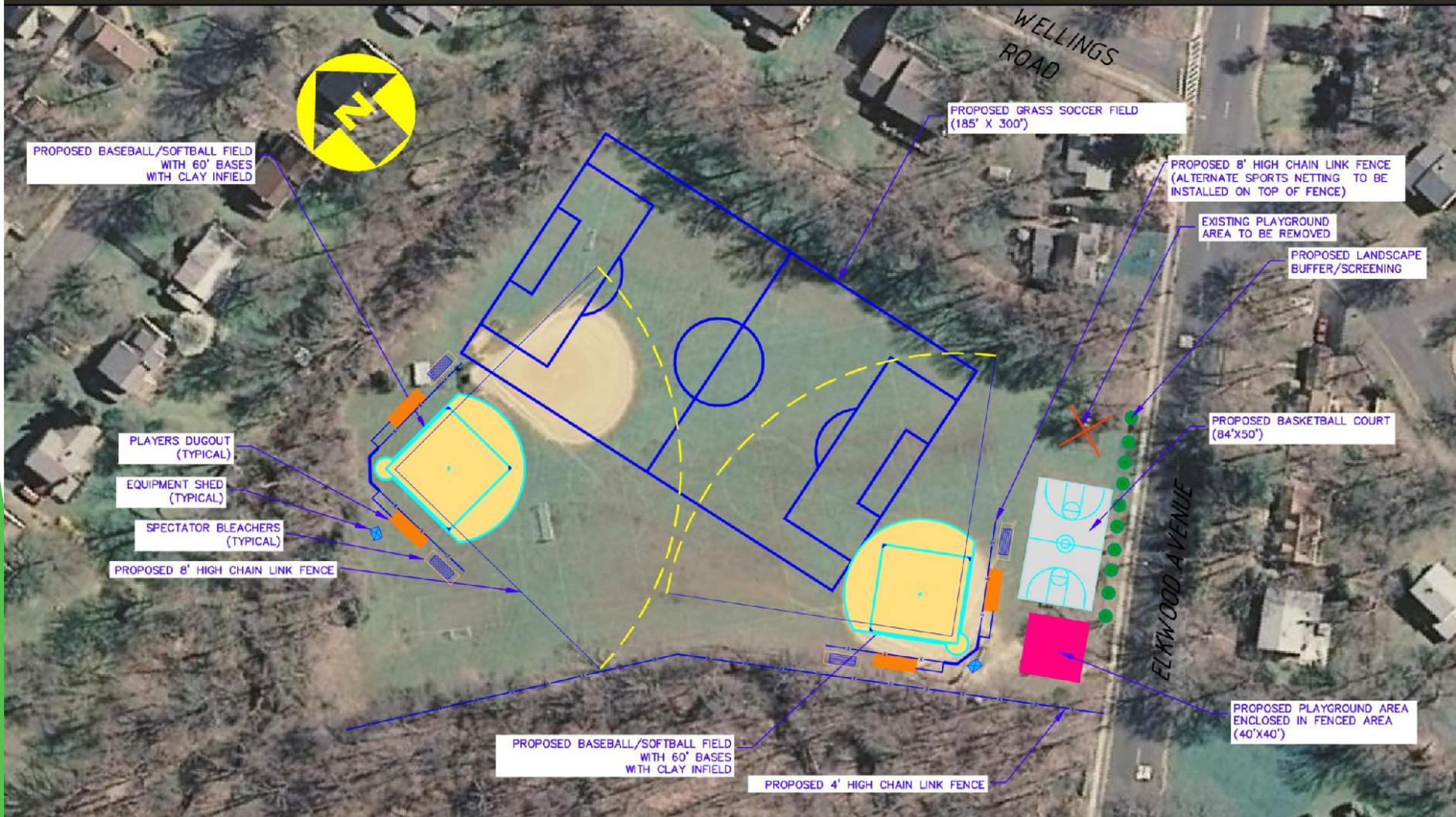
Design Concept 3 - Dedicated 50/70

LINCOLN FIELD CONCEPT - C



Design Concept 4 - Maximum Utilization

LINCOLN FIELD CONCEPT

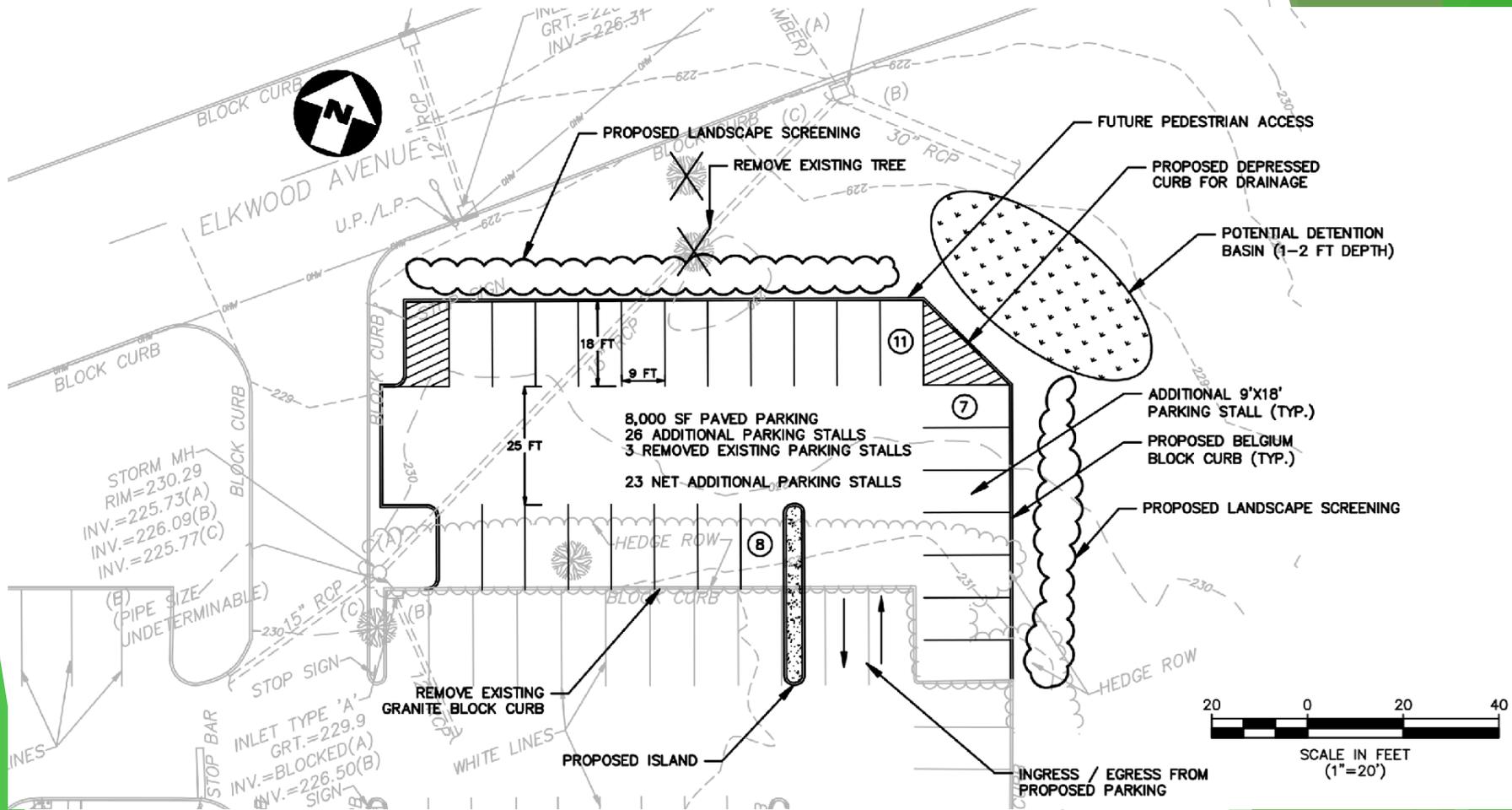


Why not turf Lincoln Field...

- ▶ *Surface area is approximately 100,000 SF*
- ▶ *Estimated cost of Installing Field Turf is \$1.1M*
- ▶ *Current budget for Lincoln Field is < \$350K*
- ▶ *Lighting Ordinance would not allow installation of Field Lighting*

- ▶ *The CIC is working on plans that include rectangular Field Turf facilities for 2015 and beyond*

Additional Parking @ Lincoln Field

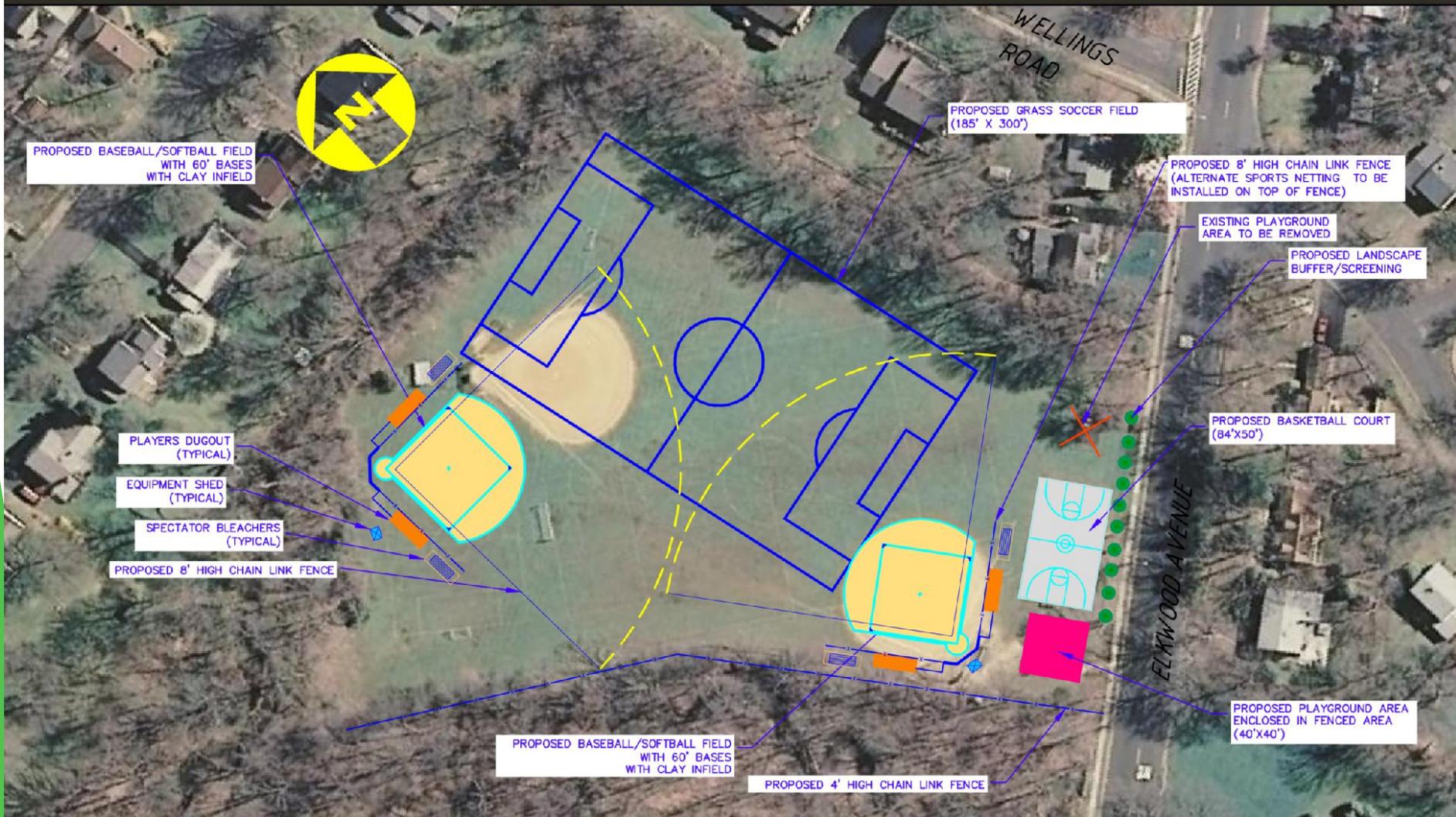


Summary of Concepts Evaluated

Concept Design	1	2	3	4
Cost:Budget	N	Y	Y	Y
Priority Addressed	Y	Y	N	Y
Maximum Uses	N	Y	N	Y
Safety	Y	N	Y	Y
Most Benefit	N	N	N	Y

CIC Recommendation Design

LINCOLN FIELD CONCEPT



CIC Recommendation Benefits

- ▶ *Replaces Grass with new Sod throughout, install drainage and irrigation systems*
- ▶ *Installs “Cut-Off Drains in SW corner of property*
- ▶ *Installs safety (sideline fencing) and backstop fabric.*
- ▶ *Resurfaces Basketball Court, backboards and goals*
- ▶ *Installs new perimeter fencing, construct natural barrier along Elkwood Ave*
- ▶ *Maintains safety of the East-West horizon (direct sun)*
- ▶ *Relocates new Playground to safer location*
- ▶ *Creates additional Off-Street parking area*

Chronology and Project Timeline

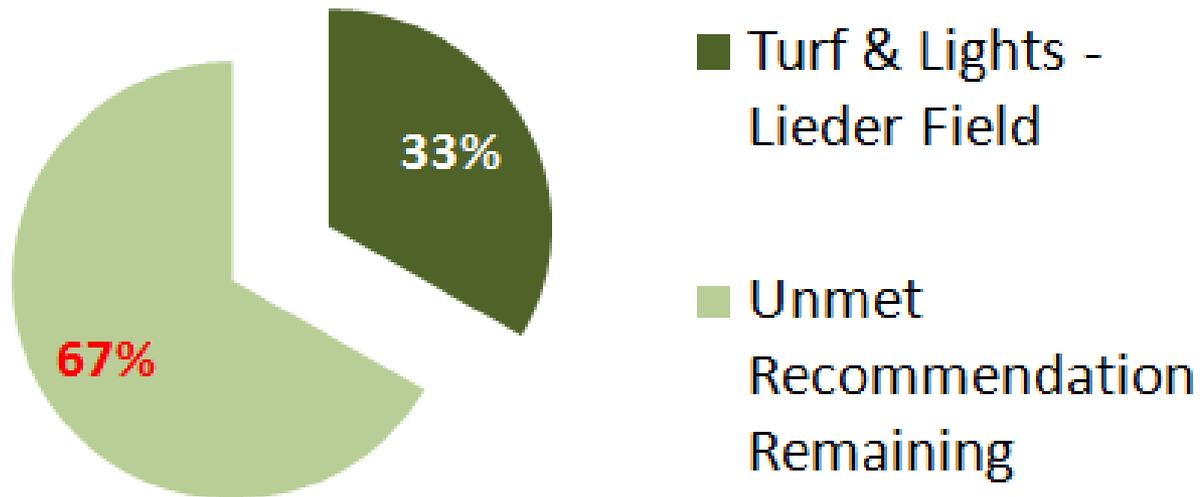
Process Step/Stage	Project Timeline
Facility Inventory Review	May, 2013
Data Gathering	July-Sept 2013
Initial Concept Review	October 2013
CIC Review	Dec 2013
NP Recreation Review	Feb 2014
Concept Designs Completed	April 2014
Public Meeting to Review	May 28
Bid Authorization w/Council	June 9-23
Award Contract(s)	July 14
Construction Start Date	Aug 1
Project Completion	Oct 31
Field Reopening	Apr 1 2015

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic aesthetic. The shapes are layered, with some appearing more prominent than others, and they frame the central text.

*Questions
&
Discussion*

NP Recreation Master Plan

Recreation Master Plan To Date



*RMP Recommendation - Install (19) new natural grass fields or (5) new artificial turf fields or (3) new artificial turf fields with lights
Rec Master Plan was a recommendation which stopped short of implementation*

Hillview project provided (2) artificial turf infields for LL Baseball

Why Lights w/FieldTurf Makes Better Sense

New Providence Recreation Master Plan Part I: Fields Analysis

C. Synthetic Turf Fields

1. Synthetic Turf Capacity

Many towns with similar overuse problems have found that switching to synthetic turf on rectangular fields adds predictable playing time that is rarely affected by weather. The question arises about how much capacity a synthetic field delivers. For a sport with a 20-week season (10 weeks in both the fall and spring), a synthetic turf field without lights can be used about 620 hours. Adding lights increases this to about 920 hours of playing time.

	<u>Rectangular Field Capacity with Synthetic Turf</u>	<u>Rectangular Field Capacity with Synthetic Turf and Lights</u>
Weekday	3 p.m. to 6 p.m. 15 hours/week	30 hours/week
Saturday	8 a.m. to 6 p.m. 10 hours/week	10 hours/week
Sunday	12 p.m. to 6 p.m. <u>6 hours/week</u>	<u>6 hours/week</u>
Total	31 hours/week 620 hours/year	46 hours/week 920 hours/year

33% More Usable Hours