



Athletic Field Needs Assessment Town of Harvard Harvard, MA

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table of contents

Section 1.0	Introduction and Purpose
Section 2.0	Background Evaluation and Existing Facilities Assessment
Section 3.0	Field Use Redistribution/Field Deficiencies
Section 4.0	Conceptual Plans and Cost Estimates
Section 5.0	Decision Matrix/Phasing
Section 6.0	Overall Conclusions

enclosures

Enclosure 1	– Town Wide Field Location Maps
Enclosure 2	– Evaluation Forms and Site Photos
Enclosure 3	– Stakeholder Questionnaires
Enclosure 4	– Stakeholders Meeting Minutes
Enclosure 5	– Field Use Data, Demand Analysis, and Field Deficiencies
Enclosure 6	– Conceptual Plans and Cost Estimate

Gale JN 719240

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SECTION 1.0 – INTRODUCTION AND PURPOSE

Gale Associates, Inc. (Gale) was engaged by The Town of Harvard (Town) to assist with the development of an Athletic Fields Needs Assessment. The goals of the Needs Assessment were:

- *To evaluate the physical characteristics, field conditions, and venue inventory of nine (9) athletic field venues selected by the Town for renovation, upgrade, and/or redevelopment.*
- *To quantify the field demand use at each of the Town's athletic field venues versus capacity.*
- *To evaluate and program the Town's need for upgraded, redistributed, or new athletic field facilities.*
- *To provide master planning services, resulting in a renovation strategy for the athletic programs and venues to address the needs of the community.*

SECTION 2.0 – BACKGROUND EVALUATION AND EXISTING FACILITIES ASSESSMENT

Gale was requested to conduct an existing conditions evaluation for each of nine (9) selected Town athletic field and recreation parcels, and to provide evaluation forms and base maps as part of this report. The nine (9) existing parcels to be evaluated included:

- Ann Lee's Softball Field
- Harvard Park
- Charlie Waite Fields
- Ryan Land Park
- Depot Street Fields
- Bromfield School Hardcourts
- Bromfield School Front Field
- Pond Road Fields
- Hildreth Elementary Field

Additionally, the Town requested that Gale also evaluate the development potential of the open, grassed area located southeast of the Harvard Public Library.

An Athletic Field Evaluation Form was used to log existing field conditions, present equipment, and current site amenities at each of the parcels, and to provide a general opinion of field condition. Evaluation items listed relative to the project include, but are not limited to, field size and solar orientation, team benches, dugouts, backstops, spectator seating (bleachers), fences and gates, permanent field equipment, grounds, irrigation, pedestrian and athletic lighting, structures, surfaces, and ADA accessibility.

Section 2.1 – Background Evaluation and Base Plan Development

Gale compiled base maps for each of the nine (9) Town-owned venues and have provided them within this report as Enclosure 1 – Town Wide Field Location Maps. Typically, in developing a Needs Assessment Report, Gale will utilize as much public information as possible, such as assessor's maps, Town GIS data, aerial maps, FEMA floodplain maps, and any "as built" drawings for existing drainage and utility systems available. Although this information is not suitable for detailed design, it provides a basis on which planning can be developed.

Section 2.2 – Facilities Evaluation

Gale conducted a facilities inventory and condition assessment of the existing athletic field facilities on June 28, 2023. The average score within the Athletic Field Evaluation Forms rates the condition of the fields and the presence of equipment as they relate to adequacy, safety, serviceability, turf grass, and field compliance with applicable geometry standards. It should be noted that these evaluations took place outside of the regular playing season for the fields, and that these evaluations are only representative of the fields at the time they were evaluated.

Based on Gale's field evaluations, we have indicated that the Town's playing fields are generally in **fair** condition. Their uses require redistribution among the available fields, along with renovations in most of the areas addressed in the Category Items, as evidenced by ratings between 1.0 and 3.0 (e.g., 4.0 = excellent, 1.0 = poor, NR = Not Rated). The evaluation forms and site photos are provided in Enclosure 2 – Evaluation Forms and Site Photos.

A brief summary of observations and deficiencies noted in the evaluation forms in Enclosure 2 or were discussed with user groups, as follows:

- Ann Lee's Softball Field – Recently renovated softball diamond used by youth groups and high schoolers (Score = 2.8). The field is oriented to the southwest, which is sub-optimal. The chain link fencing and backstop are in good condition, as is the portable outfield fence. Outfield grass is in fair condition and has a large percentage of weeds, as well as planarity issues. The batting cage and storage sheds are in good to excellent condition. The parking lot is gravel and not well-defined. The field's proximity to wetlands, as well as a lack of electrical and irrigation infrastructure, limit maintenance options. There is also minimal spectator seating.
- Harvard Park – Synthetic running track with enclosed grass rectangular field (Track Score = 2.6, Field Score = 3.0). The running track was built in 2002, resurfaced in 2015, and is in fair condition. The surfacing has moderate wear, and the base has some cracking that has yet to reflect into the surfacing. Some of the slot drains around the D-areas were clogged with sand and/or surfacing, and evidence of puddling was observed in multiple locations along the inside edge of the track. The perimeter fencing is in good condition, although a few of the posts in the southwest corner have heaved. The grass field had some areas of bare surface, and some evidence of poor drainage was present. According to user questionnaires, drainage is an issue at the

field and moderate rain can close the field for multiple days. Parking and spectator seating at the park are in fair condition, lacking paved surfaces and permanent seating. No athletic or site lighting exists. There is a throwing area east of the track for javelin, discus, and shotput, which experiences drainage issues according to questionnaire responses received.

- Charlie Waite Fields – Two (2) youth rectangular fields (Score = 2.7). The field area lacks a solid border and transitions sharply from mowed field runout area to tall grasses and vegetation, presenting safety issues for players and resulting in lost balls. Support equipment was observed to be in fair condition, with limited team or spectator seating. The turf grass was in overall fair to good condition. However, large areas of bare ground were observed in high traffic areas, mainly in the southern field. There was puddling observed, indicating possible drainage issues. No athletic or site lighting was observed.
- Ryan Land Park – Two (2) 60'/70' diamonds, one with a fully skinned infield. (Average Score = 2.7). The southern field (Ryan Land 1) is in good condition, with only minor issues that included some displaced/heaved fence posts and areas of compacted earth by the dugouts. Spectator seating is located on a slope and lacks an access path to parking. The parking lot is poorly defined and appears to have drainage issues.

The northern field (Ryan Land 2) is oriented to the southwest, which is sub-optimal. The infield was recently converted to a fully skinned condition, and related construction efforts left the third base foul area in poor condition. The dugouts lack covering, but are otherwise in good condition. Drainage issues were observed in the vicinity of the first base line and dugout, resulting in potential safety concerns. The two fields share a batting cage/bullpen area to the northwest, which is in overall poor condition. No athletic or site lighting was observed.

- Depot Street Fields – Two (2) field areas (Upper and Lower Depot), consisting of two full size fields and one youth field (Average Score = 2.7). These fields were both closed for Summer 2023 to allow for field rest and maintenance, with Lower Depot being closed for the 2023 calendar year. Both fields have large bare patches, with evidence of reseeding. No drainage issues were observed. Both fields lack a complete border fence, presenting a possible safety hazard and resulting in lost balls. Spectator seating is limited, and site access is non-existent. There is minimal storage or other support structures on site. No athletic or site lighting was observed.
- Bromfield School Hardcourts – One (1) basketball court and four (4) tennis courts (Average Score = 2.5). The five courts consist of a bituminous pavement base with an acrylic surfacing system. The basketball court is in fair to poor condition, with significant cracking of the pavement and wear on the surfacing. The basketball perimeter fence is incomplete and close to the edge of the playing surface, presenting a potential safety hazard. The west edge of the fence also has a moderate amount of vegetation intrusion.

The tennis court surfaces are in overall good condition, although some minor cracking was observed. From past aerial imagery, it appears the courts were resurfaced in or around Summer 2020, at which point crack sealing was performed on the base pavement. Some of these sealed cracks have reopened, revealing the fabric-based repair system. Permanent pickleball lines were added around the time of the 2020 resurfacing. The perimeter fencing is in overall good condition, although moderate vegetation intrusion was observed along the majority of the perimeter. Court lighting appears to be outdated and in poor condition, although lit conditions were not observed by Gale.

- Bromfield School Front Field – Full-size, multi-purpose rectangular field (Score = 2.8). The playing surface at the field is in good to fair condition, while the venue is lacking in support equipment and amenities. Some heaves and divots were observed, as well as a few areas of bare earth. The playing field lacks a discrete border, and is bordered by MA State Route 111 to the east and the access road for the Middle/High School to the north. This lack of border and storage spaces makes it hard to maintain a designated athletic facility. Per the Town, multiple events are held on this field, including school graduation, farmers' markets, and town festivals. These events negatively impact both the athletic schedule of the field, as well as the overall condition of the surface. No athletic or site lighting was observed.
- Pond Road Fields – Full-size, multi-purpose rectangular field that overlaps with the outfield of a 90' baseball diamond. (Average Score = 2.4). The rectangular field is in overall good to fair condition, with evidence of drainage issues observed and substantiated via questionnaire responses. The field lacks a complete fence border and is situated at the bottom of a large slope, making site access difficult. Support equipment (goals, spectator seating etc.) is limited and in good to fair condition. During the spring, a temporary outfield fence is utilized, which cuts the rectangular field roughly in half.

The baseball field is in fair condition and has multiple areas for improvement. The field is facing mainly south, which is a sub-optimal orientation, and the left field line is ~270 ft, which is below the National Federation of State High School Associations' (NFHS) standard of 300' for a high school field. Per questionnaire responses, the skinned infield has drainage issues, while the pitcher's mound and batter's boxes are in poor condition. Like the rectangular field, the baseball outfield appears to have drainage issues. There appears to be constant standing water in the left field corner, which also impedes mowing and presents a safety hazard. The dugouts consist of only uncovered benches in low areas where ponding water was observed, while the existing batting cage is in disrepair and appears to no longer be usable. The chain link backstop and fencing around home plate is in fair to poor condition and lacks coverage, reportedly leading to a large number of lost foul balls during regular usage. Athletic lighting was not observed.

- Hildreth Elementary Field – Open space in front of the newly constructed elementary school, with playable area measuring roughly 120' x 200'. (Score = 3.0). This field does not currently experience any organized uses, as the stand of grass is still being

established. The surface appears generally flat, and the available size appears to be able to accommodate a youth practice field. The lack of site security (e.g., fencing and proximity to Route 111) will most likely preclude large scale usage.

- Library Field – Open space adjacent to the Town Library and the Bromfield Field, measuring roughly 135' x 200' (Score = 1.5). At the Town's request, Gale performed a cursory evaluation of this space to determine if it had potential for organized athletic use. The Town also shared that a pavilion is proposed in the southwest corner, with its installation expected in the near future. The space has a relatively consistent 5-10% slope running in a westerly direction, which is not conducive with organized athletics. Numerous rocks/boulders (greater than a foot in diameter) are strewn across the potential playing area, which would be safety hazards. There also appear to be several recently planted trees that limit the potential playing area. Given these factors, it is Gale's opinion that this area has limited to no potential for organized athletic use without large scale regrading/earthmoving.

Section 2.3 – Permit Regulations

Gale conducted general research into the Town Bylaws and Regulations to determine applicable ordinances that may impact renovations/improvements to the Town's fields. Based on prior research performed under Section 2.1, the following natural resources impact one or several sites in the Needs Assessment, including bordering vegetated wetlands, FEMA flood zones, and wellhead protection zones.

The Town of Harvard Conservation Commission has established and enforces wetland regulations with the following guidelines:

- Wetlands
 - *50-foot No-Disturbance Zone: No disturb zone in which there shall be undisturbed natural vegetation.*

Some of the Town fields in this study have portions that fall within the 50 ft. no disturbance zone and 100 ft. Massachusetts Department of Environmental Protection (MassDEP) buffer. However, in Gale's experience, since these areas have been previously disturbed, some Conservation Commissions have shown leniency in these areas. All other resources have regulations as established by MassDEP.

Town Zoning Bylaw dictates a maximum building height of 35 ft. Therefore, a special permit or variance may need to be obtained from the Zoning Board for the installation of athletic lights, which usually rise ~70 – 80 feet in height.

The lighting section in the Town Zoning Bylaw also mandates that all outdoor lighting fixtures be full cutoff fixtures and that direct rays from the light source are confined to the property boundaries. The bylaw also prohibits metal halide light sources. There are athletic lighting options available that can meet these standards.

Section 2.4 – Annual Field Use Demand

As part of the needs assessment process, Gale distributed questionnaires to major stakeholders of Town athletics. One of the purposes of these questionnaires was to obtain data for the fields to quantify and qualify the use each field undergoes during an average playing year. Representatives from youth soccer, youth baseball/softball, adult soccer, and numerous school coaches completed these questionnaires and, where applicable, provided schedules. Additionally, questionnaires were received from Harvard Parks and Recreation and the Department of Public Works. These questionnaires can be found in Enclosure 3.

A summary of the responses to these questionnaires and related field use is provided below:

Bromfield Middle/High School (Bromfield) accounts for roughly 35% of the field usage, including baseball, softball, soccer, field hockey, and girls' lacrosse. These teams use almost every venue in Town, with the exception of the Ryan Land diamonds. Per the Bromfield Athletic Director, most of the Town fields have drainage issues and are usually behind on maintenance. Spring sports are slow to start, as fields are often too waterlogged to sustain play. Harvard Park is the main game venue for many Bromfield sports, but is located 2.5 miles away from the school, making student transportation an issue. Furthermore, the running track at Harvard Park is reaching the end of its usable life and also has some drainage issues.

Soccer (including adult leagues) accounts for roughly 30% of the field usage in Town, and most recently had 35+ teams year-round. Most practices and games are held at Harvard Park, Charlie Waite Fields, Depot Street Fields, and Pond Road Fields. Per the Harvard Soccer Club President, maintenance and schedule congestion/field availability are the biggest issues. The lack of a well-established maintenance plan leaves fields with poor grass coverage and leaves team coaches/parents to perform last minute maintenance.

Youth baseball and softball face similar issues to youth soccer, also dealing with fields that are at or above capacity and maintenance issues. Practices and games are held at Ann Lee's Softball Field and Ryan Land Park, with the recent elementary school renovations resulting in the loss of two softball diamonds. Maintenance issues are compounded by the fact that both venues border wetlands, which limits the ability to perform weeding, insect control, and fertilization. Practice duration and frequency are already limited with current numbers, and future growth is expected to follow trends at the elementary school.

Youth lacrosse accounts for roughly 5% of town field usage, mainly at the Bromfield Field, with some uses at Depot Street Fields. As their main field (Bromfield Field) has poor drainage and is used for other events (e.g., graduation, farmers' markets, etc.), scheduling and field conditions are difficult to maintain. Per the youth lacrosse respondents, both Town and Bromfield lacrosse users are at a "significant competitive disadvantage" compared to other towns due to the lack of a synthetic turf playing field.

The schedules provided by these stakeholders were used in tandem with reservation data provided by the Town to develop as complete a picture as possible on field uses. Per a conversation with the Bromfield School Superintendent and Athletic Director, Boys'

Middle/High Lacrosse was discontinued in recent years, but is expected to be reinstated in the near future.

The total number of “uses” each field hosts per year was determined through the following methodology. First, the amount of Time Per Event (TPE) was set at 1.5 hours, as a typical amount of time for a game or practice event of baseball, softball, football, soccer, lacrosse, or field hockey, or other field event listed by a User Organization. The TPE is an average time used to estimate total annual field use. Second, a Frequency of Use (FOU) was determined per field event, per week, per season, and per year. For example, if we assume Adult Soccer meets for two (2) hours (equating to approximately 1.3 scheduled uses), one (1) day per week for 10 weeks in the spring/summer season, the Field Use (FU) of that event is then calculated: $1.3 \text{ uses} \times 1\text{-day} \times 10 \text{ weeks} = 13.3 \text{ field uses/year}$. This procedure is done for each recreation and athletic playing field listed in the Town’s field use program. These numbers were cross-referenced with the reservation data provided by the Town. The quantification of field use demand is provided in Enclosure 5 – Field Use Data, Demand Analysis, and Field Deficiencies. It provides a summary of the annual team and organization uses for the Town’s existing recreation and athletic fields. It also documents the teams that utilize each field.

The results of the Current Use demand quantification indicate that the Town’s fields are being used to accommodate approximately 3,600 team events per year (Enclosure 5). This number is based on scheduled events only and does not include undocumented uses. From this data, it appears that all town venues, other than the Pond Road Fields, currently experience more than 250 scheduled team uses per year (refer to the Field Users Bar Chart provided in Enclosure 5). The fields that currently experience the most use are Upper and Lower Depot, as well as the Bromfield Field. The Pond Road Fields appear to be underutilized. However, the data table doesn’t show that the full-size, multi-purpose rectangular (MPR) field can only be used in the fall, as the baseball outfield fence cuts the area in half in the spring.

A well maintained and irrigated natural turf field that is properly rested can typically sustain between 200-250 team-uses per year. To sustain high quality, safe athletic natural turf under the maximum volume of use is dependent upon how well the field is built, to what degree the fields are maintained, and if an Inclement Weather Policy is enforced. As a comparison, a synthetic turf field has an all-weather playing surface without the general use constraints of a typical natural grass field. A synthetic turf field with lights ends up being limited more by time in the day than by field condition, and can typically sustain up to 750 uses per year when fully utilized.

Section 2.5 – Equivalent Field Use Analysis

When comparing the field uses on the fields, one must consider that different sport activities result in different levels of stress and wear on the playing field. Some fields are primarily used for high/medium contact sports, where play is more aggressive, increasing the stress loads on the field and the rate of field wear and deterioration. Other fields are primarily used for low-contact sports and the stress on the field is not as detrimental. While the “Current Use” (Enclosure 5) is a good indication of scheduled team-uses, the “Equivalent Use” (Enclosure 5) is a better indicator of stress imposed on the field.

Based on our experience, we have applied an equivalent use factor of 1.0 to youth soccer as the baseline of field impact and deterioration. Gale estimates that youth lacrosse is more damaging to the turf and, as such, assign it a 1.25 equivalent use factor. Similarly, baseball and softball are not as damaging and are assigned a factor of 0.75. Other equivalent use factors for various sports were assigned based on estimated turf impact, and then multiplied by the number of scheduled uses for each type of activity to yield the Equivalent team-uses in terms of turf impact and damage (Enclosure 5).

Based on the results of the Current Use data in Section 2.3, we developed an Equivalent Use Demand matrix. Based on this data, 8 of the 9 athletic venues in Town are overburdened and accommodate more than the suggested 250 uses per year, with three (3) venues accommodating 400+ uses per year. Therefore, the Pond Road Fields are the only venue in Town that are not overused. These fields have significant drainage issues and, as mentioned above, the rectangular field is cut in half in the spring season by the baseball outfield fence. Given these numbers, it is clear that the majority of Town fields are at or above capacity, with minimal/no room for expansion.

Average Use Per Field Type		
Use Type	Total Uses	Avg Use Per Field
60' Diamond	823	274
90' Diamond	130	130
MPR – Full Size	1219	305
MPR – Youth	1307	327

Ideally, heavily used natural turf athletic fields require a thirty to forty-five (30-45) day rest period during an active growth period in the fall or the spring. The Equivalent Use (weighted field use) per field event is provided in Enclosure 5. As shown, it is apparent that the athletic fields are not afforded the consistent and appropriate rest period needed due to their full use schedule throughout the year. A rest period allows the grass field to repair itself by rhizome propagation and “re-knitting” of the root-zone. This process does not take place during the summer, when cool weather grasses like Kentucky blue grass are dormant. This is a significant challenge for virtually all public school and municipal organizations.

SECTION 3.0 – FIELD USE REDISTRIBUTION/FIELD DEFICIENCIES

Section 3.1 – Redistribution of Athletic Programs

As mentioned above, for each field to achieve a sustainable playing surface, the total number of equivalent uses is suggested to not exceed approximately 250 per year. To accomplish this, uses on fields with higher existing demands would need to be moved to fields with lower existing demands in an attempt to distribute uses more evenly throughout the Town. Considering that all game ready fields experience more than 250 uses per year, it appears that redistribution alone is not a viable solution and additional fields are needed. It is reasonable to conclude that additional fields are warranted to allow for expansion of youth leagues, more opportunity to rest fields, and more opportunity to limit schedule constraints.

Field Deficit Data - Based on Equivalent Use						
Use Type	Total Uses	Avg Use Per Field	Total Fields Needed	Total Fields Needed Rounded	Current No. of Fields	Field Deficit
60' Diamond	823	274	3.3	4	3	1
90' Diamond	130	130	0.5	1	1	0
MPR – Full Size	1219	305	4.9	5	4	1
MPR – Youth	1307	327	5.2	6	4	2

MPR = Multi-Purpose Rectangular Field

Full size field at Pond Road becomes half size during spring season.

Note: *Fields needed and field deficit data are based on natural grass. A synthetic turf with lights equates to three (3) natural turf fields.*

The field deficit data shown above and found in Enclosure 5 shows the number of additional natural turf fields that the Town needs for all fields to have under 250 uses, which includes one (1) 60' diamond, one (1) full size MPR and two (2) youth MPR. These numbers are based on the equivalent use data derived from the questionnaires and reservation data, and are accurate for 2023. Synthetic turf fields are much more resilient than natural grass fields and are typically restricted by schedule, not by field condition. A well-maintained synthetic turf field can typically sustain 750 uses per year and is a viable option, given space and scheduling restrictions. Essentially, one (1) synthetic turf field equates to three (3) natural grass fields.

At the Town's request, Gale performed a preliminary study of future deficits that may affect the Town, given population growth and potential additional sports. Per the Bromfield School Athletic Director and Superintendent, Boys' Lacrosse is expected to return in the coming years. Therefore, the uses of Boys' Lacrosse was estimated to be similar to the Bromfield School's Girls' Lacrosse Team. Town population was estimated using previous census growth at 5% over ten years. Given these two data points, Gale estimates that the field deficit will increase by one full-size multi-purpose rectangular field by the year 2033, assuming the existing field availability remains the same.

SECTION 4.0 – CONCEPTUAL PLANS AND COST ESTIMATES

Upon review of the athletic field information, including questionnaires, evaluation forms, and discussions with the fields' stakeholders (including the Town and Bromfield School), it is apparent that the existing town fields are at or above capacity across the board. The existing venues use all available space, and, at the Town's request, Gale did not explore possibilities at other undeveloped town-owned parcels. Per comments from the Town, efforts have been made to identify and evaluate parcels that could potentially be purchased by the Town to be renovated as field space, but these efforts have not been successful.

Given these constraints, it is Gale's opinion that the only option to increase the capacity of the Town fields is synthetic turf conversion(s). As previously mentioned, a synthetic turf field with lights can sustain up to three times the number of uses of a natural grass field. Although the majority of questionnaire respondents and stakeholders voiced support/desire for synthetic turf, it is Gale's understanding that the issue is more hotly contested among residents of the Town, and that a previous vote for turf conversion of the Pond Road Fields was unsuccessful. Gale has experience working with municipalities and conservation

commissions to implement synthetic turf and, as mentioned above, it is Gale's opinion that this is the most viable option to increase the capacity of the Town's existing venues.

Given these facts, Gale has produced conceptual plans and estimates for a potential synthetic turf conversion at two locations. Location selection and design were based on the following:

- Proximity to environmental areas that may limit development.
- Proximity to populated areas.
- Proximity to the Bromfield School.
- Field deficits identified above.
- Existing use cases of the venues.

The Bromfield Field and Pond Road Fields were considered as potential options for turf conversions. However, due to the former's use as a public gathering area and location in the center of town, and the latter's proximity to wetlands and town wells, neither option was considered feasible for a synthetic turf conversion.

It is Gale's opinion that implementing at least one of these proposed plans will improve the athletic facilities in Town.

Harvard Park

This venue has an existing natural grass rectangular field and surfaced 400 meter running track. The running track surfacing is beginning to show wear, and the pavement base is cracking in numerous locations, indicating that it is reaching the end of its usable life. The natural grass field is used primarily as a game field for soccer and lacrosse, both by the Town and the Bromfield School. The field has drainage issues and bare spots in high traffic areas. To accommodate the needs identified in this report, Gale is proposing a multi-purpose rectangular (MPR) synthetic turf field, athletic lighting, and reconstruction of the existing track and D-areas. These improvements will increase both the quality and quantity of athletic events played at this venue, as the increased durability and drainage of a synthetic turf field means less maintenance with more usable hours. The athletic lighting will further increase the usable hours of the field, such that this facility would be capable of hosting multiple games and/or practices a day. This plan also includes small renovations to the existing shotput landing area, perimeter fence, and the installation of a scoreboard, which will help the venue serve the community's needs more effectively.

It should be noted that, due to the proximity to the wetlands, it is anticipated that the proposed improvements under this option may require a Notice of Intent (NOI) or a Request for Determination of Applicability (RDA) from the Town's Conservation Commission. Per available GIS data, a small portion of the existing and proposed running track is within a 100' wetland buffer zone. A Special Permit or variance from the Zoning Board of Appeals (ZBA) may be required for the proposed 70-80 ft. athletic lights. Also, with the installation of the synthetic turf field, a soil removal permit may be required by the Zoning Board. The cost for these improvements is estimated at ±\$3.4 million (refer to Enclosure No. 6 for the Conceptual Plan and itemized Conceptual Cost Estimates).

The information regarding major maintenance activities and replacement for synthetic turf fields and running tracks provided below is intended to paint a clear picture of upkeep requirements for the proposed improvements. Costs are based on the work being performed in 2023:

- Typical Full-Size Rectangular Synthetic Turf Field
 - Year 0 – Installation
 - Yearly Routine Maintenance (grooming, etc.) – \$7,500/year
 - Years 0 - 8 – Typical 8-Year Warranty Period
 - Year 11 - 13 – Turf Replacement +/- \$600,000
- Typical 8-Lane Polyurethane Running Track with Surfaced D-Areas
 - Year 0 – Installation
 - Years 0 - 5 – Typical 5-Year Warranty Period
 - Year 8 - 10 – Recoating and Restriping – \$250,000
 - Year 18 - 22 – Replacement/Reconstruction – \$1,000,000

Gale understands that the existing running track at Harvard Park was installed in 2002 and recoated in 2015. Based on this information, as well as observations made on site during this project, it is Gale's opinion that the track is approaching the end of its usable life and should be replaced/reconstructed as soon as funding is available.

Upper Depot Field

This venue has an existing open natural grass playing area that can sustain multiple fields of different orientations. The field is in fair condition, with numerous bare spots in high traffic areas from high usage. Site amenities are slightly lacking. To accommodate the needs identified in this report, Gale is proposing a combined multi-purpose rectangular (MPR) and 60' diamond turf field with athletic lighting. The nature of synthetic turf allows for the overlap of rectangular and diamond sports, such that a diamond can be added for both softball and little league. The proposed field would be situated perpendicular to the existing fields to maintain a youth sized grass area to the north, as well as to keep the proposed field outside of the wetland buffer zone that may impact permitting of the project. These improvements will provide a more durable playing surface that can withstand higher uses than the existing fields, and the athletic lighting will allow for increased and more flexible scheduling.

A Special Permit or variance from the Zoning Board of Appeals (ZBA) may be required for the proposed 70-80 ft. athletic lights. Also, with the installation of the synthetic turf field, a soil removal permit may be required by the Zoning Board. The cost for these improvements is estimated at ±\$2.5 million (refer to Enclosure No. 6 for the Conceptual Plan and itemized Conceptual Cost Estimates).

SECTION 5.0 – DECISION MATRIX

Gale's evaluation of the Town's current athletic and recreational field use program has established the demand for additional athletic fields and renovations to the existing athletic fields throughout the Town. Based on the field use needs identified and other input proposed by the stakeholders, Gale has proposed two (2) potential designs for a synthetic turf conversion that will address most of the deficiencies associated with the Town's field usage. These plans propose conversion at Harvard Park and/or Upper Depot Field. The decision matrix below provides a summary of the pros and cons of each.

	<u>Harvard Park</u>	<u>Upper Depot</u>
Meets identified demand for MPR fields	Yes	Yes, but with minimal room for expansion
Meets identified demand for ballfields	No	Yes
Proximity to Bromfield School	Furthest	Moderate
Change from existing use	Medium	High
Relative Construction Cost	Most (\$3.5 mil)	Moderate (\$2.6 mil)

SECTION 6.0 – OVERALL CONCLUSIONS

This needs assessment is the first step in identifying inventory constraints, community needs, and a planning program to help the Town of Harvard better meet the recreational needs of the community. Gale determined the level of use for each athletic facility in the Town and formulated a planning program based on these use levels. As a result of these assessments and meetings with stakeholders, this report finds that eight of the nine game ready venues are currently overused (averaging greater than 250 uses per year). Based on these findings, it is reasonable to conclude that additional field space is warranted. However, as the existing venues do not have unprogrammed space and Gale was instructed not to explore other Town-owned parcels, it is Gale's opinion that the Town should consider the conversion of at least one existing field into a synthetic turf playing field, potentially paired with athletic lighting. Gale's Needs Assessment provides a planning program that will assist the Town of Harvard in its goal to provide adequate and safe athletic fields to its community.

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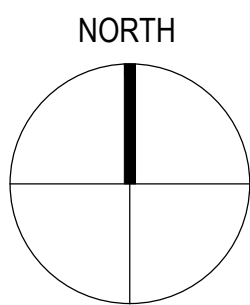
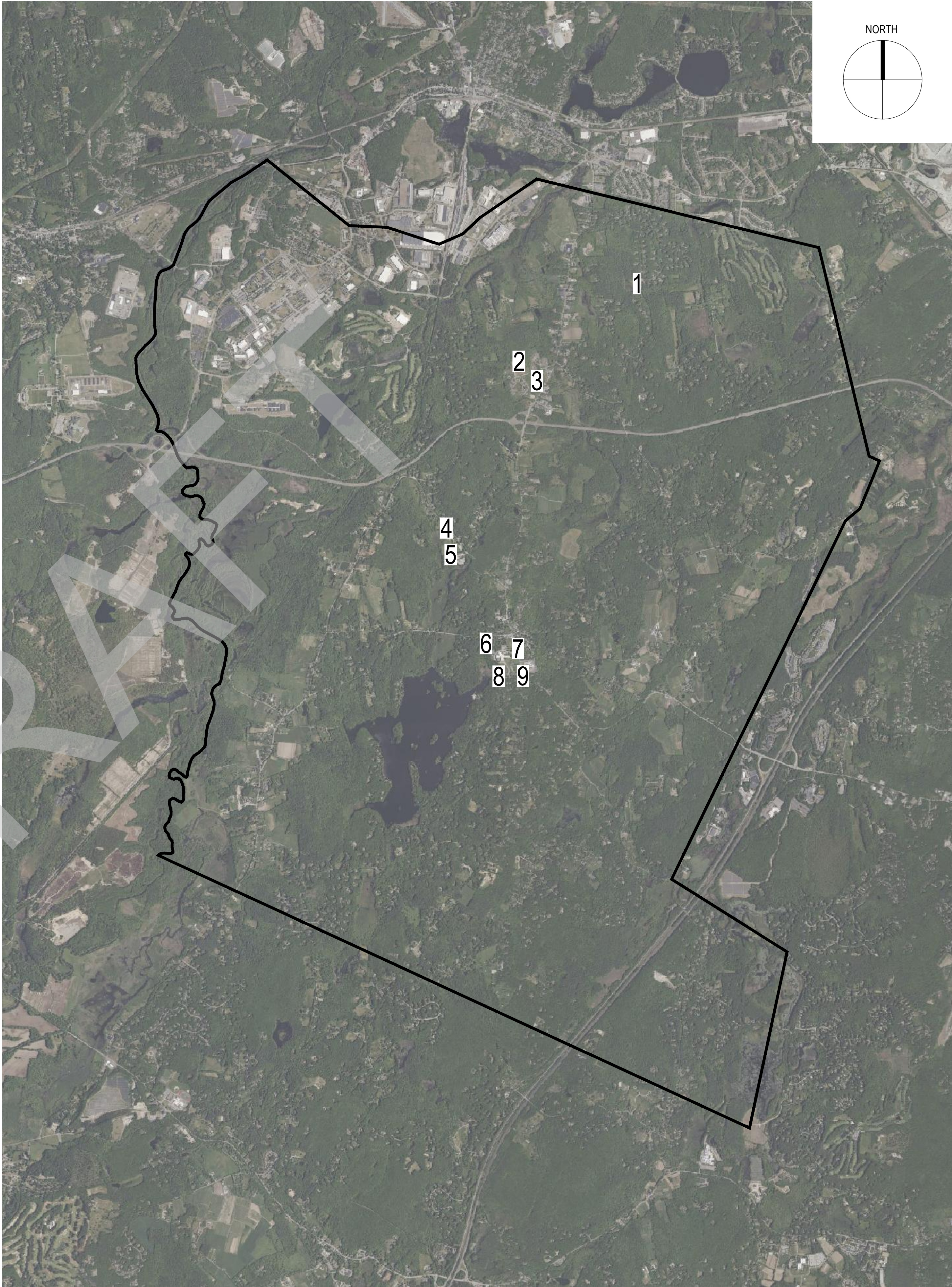
ENCLOSURE 1

Town Wide Field Location Maps

DRAFT

TOWN OF HARVARD, MA RECREATIONAL FIELD NEEDS ASSESSMENT

FIELD NO.	VENUE
1.	ANN LEES SOFTBALL
2.	HARVARD PARK
3.	CHARLIE WAITE FIELDS
4.	RYAN LAND PARK
5.	DEPOT ROAD FIELDS
6.	BROMFIELD COURTS
7.	BROMFIELD FIELD
8.	POND ROAD FIELDS
9.	HILDRETH ELEMENTARY/LIBRARY FIELD

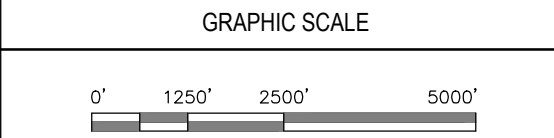


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PROJECT	RECREATIONAL FIELD NEEDS ASSESSMENT TOWN OF HARVARD
	HARVARD MASSACHUSETTS, 01451
OWNER	TOWN OF HARVARD 13 AYER ROAD HARVARD, MA 01451

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	719240		
CADD FILE	719240_C000		
DESIGNED BY	RDY		
DRAWN BY	RDY		
CHECKED BY	KDH		
DATE	8/18/2023		
DRAWING SCALE	1" = 2500'		



SHEET TITLE

TOWN SITE
LOCATIONS

DRAWING NO.
C000
OF



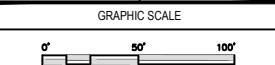
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PROJECT	RECREATIONAL FIELD NEEDS ASSESSMENT	
	TOWN OF HARVARD	
	HARVARD	
OWNER	MASSACHUSETTS 01451	
	TOWN OF HARVARD	
	13 AYER ROAD	
	HARVARD, MA 01451	

NO.	DATE	DESCRIPTION	BY
1	8/18/2023	PROJECT NO. 719240	RD
2	8/18/2023	CADD FILE 719240_GIS	RD
3	8/18/2023	DESIGNED BY RDT	RD
4	8/18/2023	DRAWN BY RDT	RD
5	8/18/2023	CHECKED BY KDH	RD
6	8/18/2023	DATE 8/18/2023	RD
7	8/18/2023	DRAWING SCALE 1" = 100'	RD

PROJECT NO.	719240
CADD FILE	719240_GIS
DESIGNED BY	RDT
DRAWN BY	RDT
CHECKED BY	KDH
DATE	8/18/2023
DRAWING SCALE	1" = 100'



SHEET TITLE

ANN LEES SOFTBALL
GIS

DRAWING NO.

GIS-1



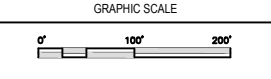
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PROJECT	RECREATIONAL FIELD NEEDS ASSESSMENT		
	TOWN OF HARVARD		
	HARVARD		
	MASSACHUSETTS 01451		
OWNER	TOWN OF HARVARD		
	13 AYER ROAD		
	HARVARD, MA 01451		

+	+	+	+
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NO.	DATE	DESCRIPTION	BY
PROJECT NO.	719240		
CADD FILE	719240_GIS		
DESIGNED BY	RDY		
DRAWN BY	RDY		
CHECKED BY	KDH		
DATE	8/18/2023		
DRAWING SCALE	1" = 200'		

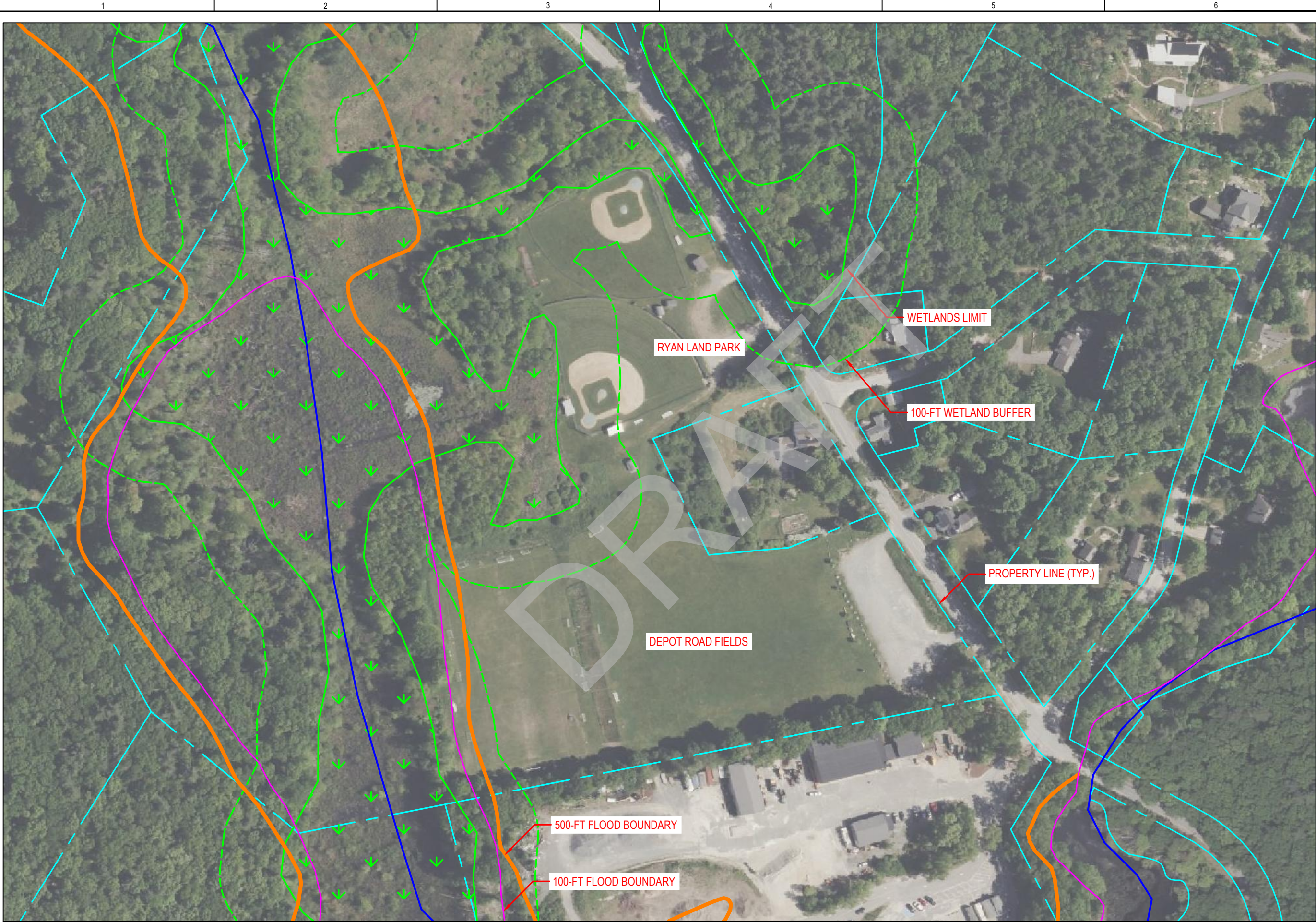


SHEET TITLE

HARVARD PARK AND CHARLIE WAITE FIELD
GIS

DRAWING NO.

GIS-2



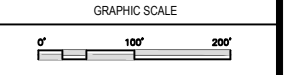
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PROJECT	RECREATIONAL FIELD NEEDS ASSESSMENT		
	TOWN OF HARVARD HARVARD MASSACHUSETTS 01451		
OWNER	TOWN OF HARVARD 13 AYER ROAD HARVARD, MA 01451		

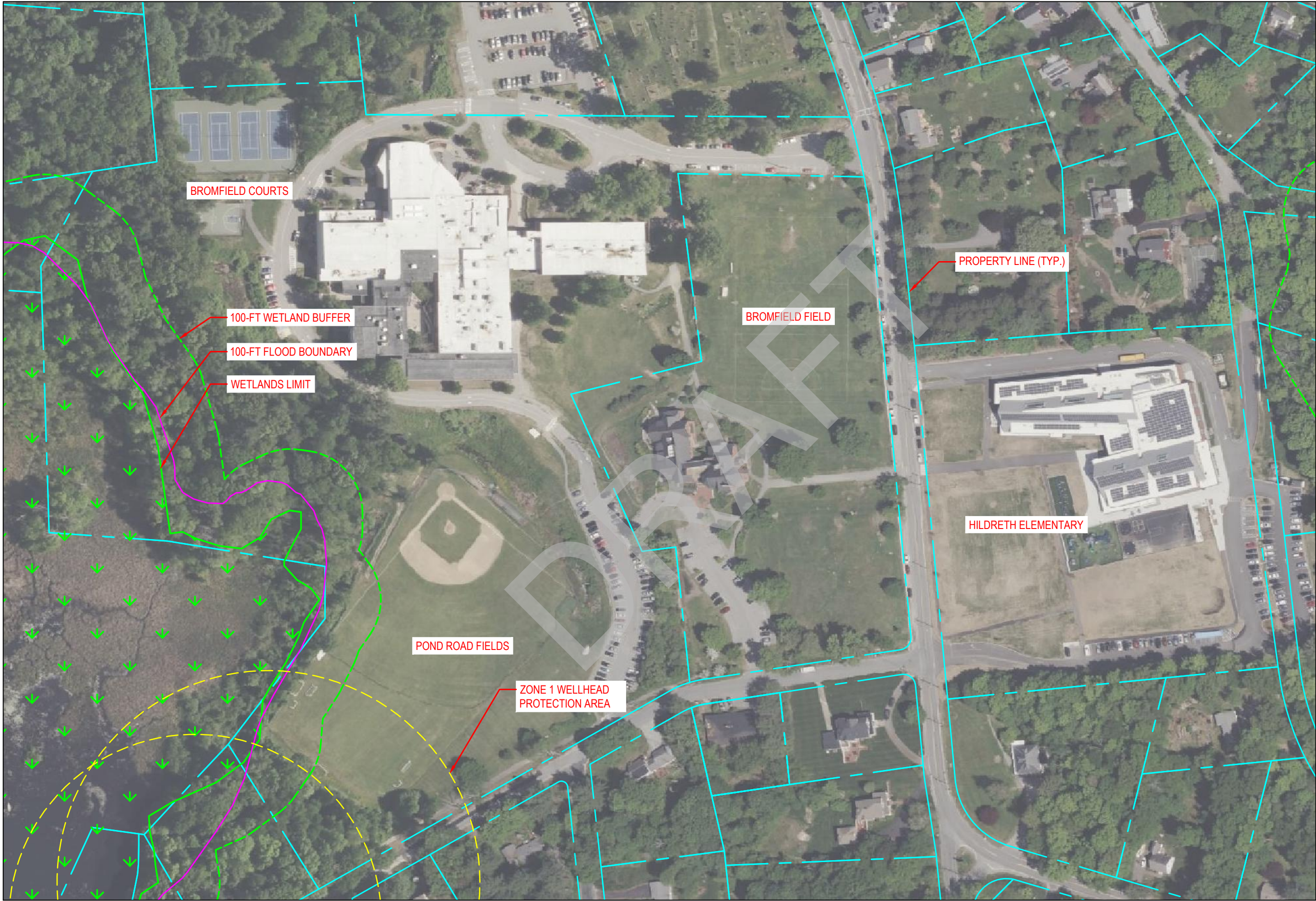
NO.	DATE	DESCRIPTION	BY
1	8/18/2023	PROJECT NO. 719240	RD
2	8/18/2023	CADD FILE 719240_GIS	RD
3	8/18/2023	DESIGNED BY RDT	RD
4	8/18/2023	DRAWN BY RDT	RD
5	8/18/2023	CHECKED BY KDH	RD
6	8/18/2023	DATE 8/18/2023	RD
7	8/18/2023	DRAWING SCALE 1" = 200'	RD

PROJECT NO.	719240
CADD FILE	719240_GIS
DESIGNED BY	RDT
DRAWN BY	RDT
CHECKED BY	KDH
DATE	8/18/2023
DRAWING SCALE	1" = 200'



SHEET TITLE
RYAN LAND AND DEPOT ROAD FIELDS GIS
DRAWING NO.

GIS-3

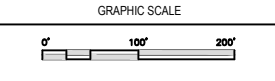


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PROJECT	RECREATIONAL FIELD NEEDS ASSESSMENT	
	TOWN OF HARVARD	
	HARVARD	
OWNER	MASSACHUSETTS 01451	
	TOWN OF HARVARD	
	13 AYER ROAD	
	HARVARD, MA 01451	

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	719240		
CADD FILE	719240_GIS		
DESIGNED BY	ROD		
DRAWN BY	ROD		
CHECKED BY	KDH		
DATE	8/18/2023		
DRAWING SCALE	1" = 200'		



SHEET TITLE

BROMFIELD SCHOOL
AND POND ROAD FIELDS
GIS

DRAWING NO.

GIS-4

ENCLOSURE 2

Evaluation Forms and Site Photos

DRAFT

Athletic Ballfield Evaluation Form



Ann Lees Softball

Field Grade:	2.8
--------------	------------

Date of Evaluation	6/28/2023				
Type of Field:	Softball				
Number of Fields:	1				
Typical age of users:	Youth and High School				
Baseball/Softball Dimensions:	1st & 3rd Base	L Field	R Field	C Field	Backstop
	60'	200'	200'	200'	20'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry / Solar Orientation			X		
Stand of Turf			X		
Infield Condition (Infield material, base paths, etc.)				X	
Planarity (playing surface - lack of dips, heaves, holes, etc.)				X	
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, backstops, outfield fencing, etc.)				X	
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).					X
Support Equipment (bases, dugouts, batting cages, players benches, etc.)				X	
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Drainage				X	
Average Score =	2.8				

Comments
<ul style="list-style-type: none"> - No drainage or irrigation was observed at the time of site visit - No drainage issues were observed at the time of site visit - Field is facing southwest, which is a sub-optimal solar orientation - Outfield is mostly weeds - Slightly isolated from the rest of the town's venues

ANN LEE'S SOFTBALL



Photo 1: Portable spectator seating and gravel parking lot.



Photo 2: Foul pole and semi-permanent outfield fencing in good condition.



Photo 3: 20' chain link backstop in good condition.



Photo 4: Infield and bases in good condition.



Photo 5: Chain link dugouts and benches in good condition.



Photo 6: Storage shed is in excellent condition.

Athletic Track Evaluation Form



Harvard Park Running Track

Field Grade:	2.6
--------------	------------

Date of Evaluation	6/28/2023	
Approximate Track Radius:	122'	
Type of Surfacing:	Urethane	
Original Construction Date:	2002	
Last Resurfacing Date:	2015	
Length of Track Straightaway:	110m	
Width of Running Lanes:	3.5'	
Number of Running Lanes:	Straightaway	Radius
	8	6

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry / Solar Orientation					X
Condition of Surfacing (wear and tear, patches etc.)			X		
Condition of Structure (cracks, depressions, etc.)			X		
Striping (Completeness, visibility, condition)				X	
Fencing				X	
Safety (Run-outs, lack of obstructions, etc.).				X	
Support Equipment (hurtles, high jump, etc.)				X	
Site Amenities (restrooms, entrance area, ticket booth, etc.)			X		
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Drainage (trench drain, slot drain, etc.)			X		
Average Score = 2.6					

Comments
<ul style="list-style-type: none"> - Moderate wear on track surfacing - Mild cracking in surrounding asphalt, has not reflected into surfacing - Some fence posts have heaved

HARVARD PARK – TRACK



Photo 1: Select heaved fence posts in the southwest corner.



Photo 2: Overall view of the track surface showing signs of wear. It is in fair condition.



Photo 3: Cracking in the bituminous track base was not observed reflecting into the surfacing.



Photo 4: Slot drains adjacent jump pits were clogged with sand.



Photo 5: Non-planarity in northern D-area resulted in puddling.



Photo 6: View of the throwing area east of the running track with a ~10' difference in grade.

MPR Athletic Field Evaluation Form



Harvard Park Field

Field Grade:	3.0
--------------	------------

Date of Evaluation	6/28/2023		
Type of Field:	Multi-Purpose Rectangular (MPR)		
Number of Fields:	1		
Typical age of users:	High School and Adult Leagues		
MPR Field Dimensions:	Length:	Width	Run-Out
	330'	200'	20'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry					X
Stand of Turf				X	
Planarity (playing surface - lack of dips, heaves, holes, etc.)				X	
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, gates, etc.)	X				
Irrigation (condition, coverage, reported adequacy)				X	
Safety (Run-outs, lack of obstructions, etc.).					X
Support Equipment (goals, players benches, etc.)			X		
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Drainage				X	

Average Score =	3.0
------------------------	------------

Comments
<ul style="list-style-type: none"> - No drainage issues were observed during site visit - Existing drainage infrastructure appears to be in good condition - Some bare spots in high traffic areas

HARVARD PARK – MPR FIELD



Photo 1: Spectator seating area.



Photo 2: Gravel parking lot west of the running track at ~10' above the grade of the track.



Photo 3: Overall view of the playing surface. The turf grass is in good condition.



Photo 4: Bare patches of ground at the goal mouth.



Photo 5: Drainage infrastructure on the east edge of the field appears to be in good condition.



Photo 6: Goals appear to be in good to fair condition.

MPR Athletic Field Evaluation Form



Charlie Waite Fields

Field Grade:

2.7

Date of Evaluation	6/28/2023		
Type of Field:	Multi-Purpose Rectangular (MPR)		
Number of Fields:	2		
Typical age of users:	Youth and High School		
MPR Field Dimensions:	Length:	Width	Run-Out
	210'	150'	15'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry					X
Stand of Turf				X	
Planarity (playing surface - lack of dips, heaves, holes, etc.)			X		
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, gates, etc.)	X				
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).				X	
Support Equipment (goals, players benches, etc.)			X		
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)	X				
Drainage			X		

Average Score =	2.7
-----------------	------------

Comments
- Some puddling/poor drainage was observed on the south field - Various bare spots on southern half of field

CHARLIE WAITE FIELDS



Photo 1: Gravel parking lot.



Photo 2: A moderate amount of bare patches were observed in high activity areas.



Photo 3: Poor drainage was observed in the lower half of the field, resulting in puddles.



Photo 4: View of a large bare patch in the southeastern part of the field.



Photo 5: The northern field turf grass was in fair condition, with some evidence of poor drainage observed.



Photo 6: The goals appear to be in fair condition.

Athletic Ballfield Evaluation Form



Ryan Land Field 1

Field Grade:	3.0
--------------	------------

Date of Evaluation	6/28/2023				
Type of Field:	Youth Baseball				
Number of Fields:	1				
Typical age of users:	Youth Baseball				
Baseball/Softball Dimensions:	1st & 3rd Base	L Field	R Field	C Field	Backstop
	60'	200'	200'	200'	20'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry / Solar Orientation					X
Stand of Turf				X	
Infield Condition (Infield material, base paths, etc.)				X	
Planarity (playing surface - lack of dips, heaves, holes, etc.)					X
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, backstops, outfield fencing, etc.)			X		
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).					X
Support Equipment (bases, dugouts, batting cages, players benches, etc.)			X		
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Drainage				X	
Average Score =	3.0				

Comments
- No drainage issues or infrastructure was observed during site visit

RYAN LAND PARK 1



Photo 1: Dugouts with wooden covers, benches, and concrete pads in good condition.



Photo 2: Spectator seating area on a mild slope.



Photo 3: The chain link backstop is in good to fair condition.



Photo 4: The infield is in good to fair condition, with mild weed intrusion.



Photo 5: Outfield turfgrass is in good to fair condition.



Photo 6: Select fence posts have heaved.

Athletic Ballfield Evaluation Form



Ryan Land Field 2

Field Grade:	2.3
--------------	------------

Date of Evaluation	6/28/2023				
Type of Field:	Youth Baseball and Softball				
Number of Fields:	1				
Typical age of users:	Youth and High School				
Baseball/Softball Dimensions:	1st & 3rd Base	L Field	R Field	C Field	Backstop
	60'	185'	185'	185'	20'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry / Solar Orientation			X		
Stand of Turf				X	
Infield Condition (Infield material, base paths, etc.)			X		
Planarity (playing surface - lack of dips, heaves, holes, etc.)				X	
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, backstops, outfield fencing, etc.)			X		
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).				X	
Support Equipment (bases, dugouts, batting cages, players benches, etc.)			X		
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Drainage			X		
Average Score =	2.3				

Comments
<ul style="list-style-type: none"> - Field is facing southwest, which is a suboptimal field orientation - recently converted to full infield - Drainage issues observed in infield, retaining water and leading to washout - dugouts and batting cage in poor to fair condition

RYAN LAND PARK 2



Photo 1: Chain link dugouts and player benches.



Photo 2: View of bare patches in the turf grass along the left field line, which are apparently from vehicular traffic.



Photo 3: Spectator seating is in fair condition.



Photo 4: Washout of the infield near first base appears to be evidence of a drainage issue.



Photo 5: The infield is in fair condition, with some weed intrusion and drainage issues observed.



Photo 6: The batting cage is in fair to poor condition.

MPR Athletic Field Evaluation Form



Upper Depot

Field Grade:	2.7
--------------	------------

Date of Evaluation	6/28/2023		
Type of Field:	Multi-Purpose Rectangular (MPR)		
Number of Fields:	1 Full size and 1 half size		
Typical age of users:	Youth, High School, and adults		
Full Size Field Dimensions:	Length:	Width	Run-Out
	300'	165'	10'
Half Size Field Dimensions:	Length:	Width	Run-Out
	210'	165'	10'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry				X	
Stand of Turf			X		
Planarity (playing surface - lack of dips, heaves, holes, etc.)			X		
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, gates, etc.)	X				
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).					X
Support Equipment (goals, players benches, etc.)				X	
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)	X				
Drainage			X		

Average Score =	2.7
------------------------	------------

Comments
<ul style="list-style-type: none"> - Numerous bare patches in field surface - Closed for Summer '23 to rest playing surface

DEPOT STREET FIELDS – UPPER FIELD



Photo 1: Overall field view, with numerous goals for the different age user groups.



Photo 2: Multiple bare patches in high use areas (goal mouths, etc.) appear to have been reseeded.



Photo 3: Goals and support equipment are in good to fair condition.



Photo 4: Vaguely defined gravel parking area.



Photo 5: Representative view of turfgrass, with some mild planarity issues and evidence of poor drainage.

MPR Athletic Field Evaluation Form



Lower Depot

Field Grade:	2.7
--------------	------------

Date of Evaluation	6/28/2023		
Type of Field:	Multi-Purpose Rectangular (MPR)		
Number of Fields:	1		
Typical age of users:	Youth, High School, and adults		
Full Size Field Dimensions:	Length:	Width	Run-Out
	330'	180'	15'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry					X
Stand of Turf			X		
Planarity (playing surface - lack of dips, heaves, holes, etc.)				X	
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, gates, etc.)	X				
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).				X	
Support Equipment (goals, players benches, etc.)			X		
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Drainage	X				

Average Score =	2.7
------------------------	------------

Comments
<ul style="list-style-type: none"> - Numerous bare patches in field surface, recently reseeded - Closed for 2023 calendar year to rest playing surface - Tall grass/trees along all four sides

DEPOT STREET FIELDS – LOWER FIELD



Photo 1: Lower field is ~5' below the level of the upper field.



Photo 2: Goals are in fair to poor condition.



Photo 3: Spectator seating in fair condition.



Photo 4: View of numerous bare patches in turf surface; reseeded areas appear to be underway.



Photo 5: Field is closed for the 2023 calendar year for restoration efforts, as denoted by permanent signage.

Hard Court Evaluation Form



Bromfield Basketball

Court Grade:	2.0
--------------	------------

Date of Evaluation	6/28/2023	
Type of Court:	Basketball	
Number of Courts:	1	
Typical age of users:	All ages	
Original Construction Date:	~ 2000	
Type of Structure:	Bituminous Pavement	
Type of Surfacing:	Acrylic	
Playing Dimensions:	Length:	Width:
	84'	50'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry / Solar Orientation				X	
Condition of Structure and Surfacing (cracks, delamination, etc.)			X		
Planarity (playing surface - lack of dips, heaves, holes, correct slopes, etc.)			X		
Striping (Completeness, visibility, condition)			X		
Fencing (Perimeter fencing, backstops, outfield fencing, etc.)			X		
Court Hardware			X		
Safety (Run-outs, lack of obstructions, etc.)			X		
Support Equipment (bases, batting cages, goals, players benches, etc.)	X				
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)		X			
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)	X				
Average Score = 2.0					

Comments
<ul style="list-style-type: none"> - Incomplete fence coverage - Minimal runout from court lines to fence, potential safety concern - Vegetation intrusion on western end of court - Surfacing is aged and beginning to deteriorate - Minimal lighting infrastructure in poor to fair condition

BROMFIELD COURTS – BASKETBALL



Photo 1: Overall view of the court located behind Bromfield School.

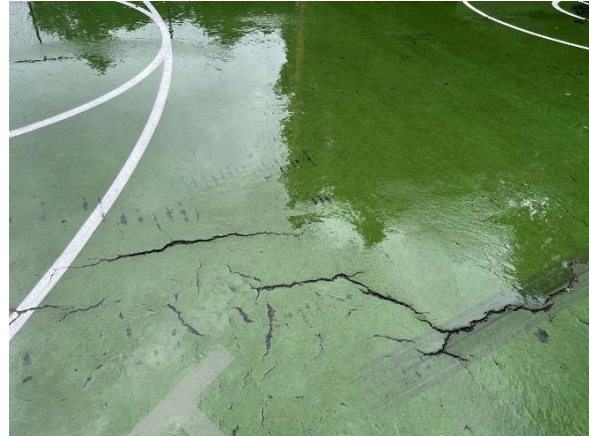


Photo 2: Court structure showing signs of deterioration.



Photo 3: The basketball hoop is in fair condition.



Photo 4: The fence in fair to poor condition, with an incomplete perimeter, vegetation intrusion, etc.



Photo 5: Vegetation intrusion along the western edge of the court.



Photo 6: Site appurtenances in poor condition.

Hard Court Evaluation Form



Bromfield Tennis Courts

Court Grade:	3.0
--------------	------------

Date of Evaluation	6/28/2023	
Type of Court:	Tennis/Pickleball	
Number of Courts:	Four	
Typical age of users:	All ages	
Original Construction Date:	Prior to 2000	
Type of Structure:	Bituminous Pavement	
Type of Surfacing:	Acrylic	
Playing Dimensions:	Length:	Width:
	78'	36'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry / Solar Orientation					X
Condition of Structure and Surfacing (cracks, delamination, etc.)				X	
Planarity (playing surface - lack of dips, heaves, holes, correct slopes, etc.)				X	
Striping (Completeness, visibility, condition)					X
Fencing (Perimeter fencing, backstops, outfield fencing, etc.)				X	
Court Hardware				X	
Safety (Run-outs, lack of obstructions, etc.)				X	
Support Equipment (bases, batting cages, goals, players benches, etc.)	X				
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)			X		
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Average Score = 3.0					

Comments
<ul style="list-style-type: none"> - Evidence of resurfacing, estimated 2020 - Permanent pickleball lines installed (est. 2020) - Some cracks forming in surfacing - Lighting system is outdated

BROMFIELD COURTS – TENNIS/PICKLEBALL



Photo 1: Overall view of the court battery.



Photo 2: Line striping is in good condition, with permanent pickleball lines in blue.



Photo 3: The surfacing/structure is in fair condition, with some cracking observed.



Photo 4: Athletic lighting appears to be in fair condition, although light operation was not observed.

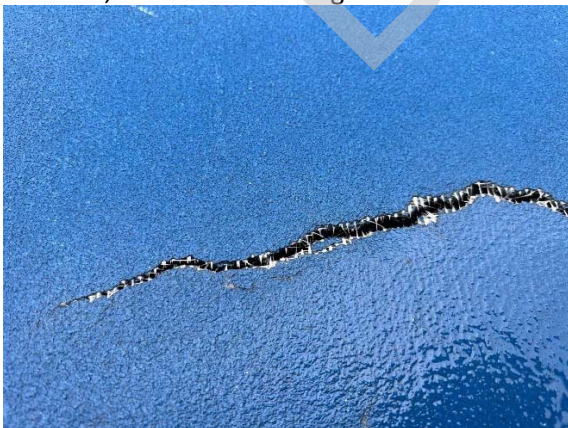


Photo 5: Evidence of fabric-based crack repairs, which have begun to fail.



Photo 6: Netting equipment is in good condition.

MPR Athletic Field Evaluation Form



Bromfield Field

Field Grade:	2.8
--------------	------------

Date of Evaluation	6/28/2023		
Type of Field:	Multi-Purpose Rectangular (MPR)		
Number of Fields:	One		
Typical age of users:	Youth and Highschool		
MPR Field Dimensions:	Length:	Width	Run-Out
	300'	180'	25'+

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry					X
Stand of Turf				X	
Planarity (playing surface - lack of dips, heaves, holes, etc.)			X		
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, gates, etc.)	X				
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).					X
Support Equipment (goals, players benches, etc.)			X		
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Drainage	X				

Average Score =	2.8
------------------------	------------

Comments
<ul style="list-style-type: none"> - Past aerial photography appears to show a women's lacrosse field with a 300' length, which does not meet current NFHS requirements (minimum length of 330') - Overall surface has some heaves/dips

BROMFIELD FIELD



Photo 1: Overall view of the playing surface.



Photo 2: Representative view of turf grass in good condition.



Photo 3: Isolated bare patches in the grass surface, potentially from support equipment (bleachers, scorers' table, etc.).

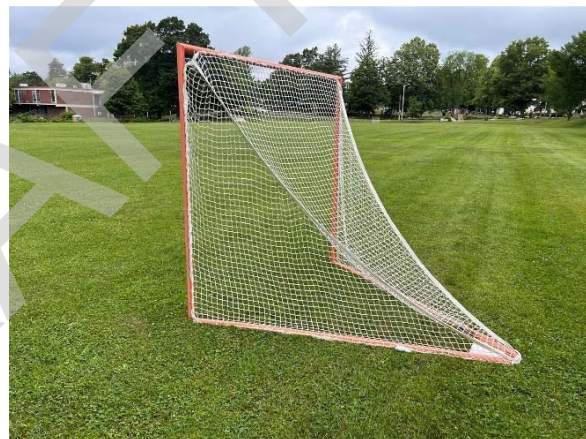


Photo 4: Goals are in good condition.



Photo 5: The playing field lacks a discrete boundary, with walkways/trees in the vicinity of the playing area.



Photo 6: Site is lacking in support equipment for athletics, including parking.

SbBb Athletic Field Evaluation Form



Pond Road - Baseball

Field Grade:	2.0
--------------	------------

Date of Evaluation	6/28/2023				
Type of Field:	90' Baseball diamond				
Number of Fields:	One				
Typical age of users:	High school				
Baseball/Softball Dimensions:	1st & 3rd Base	L Field	R Field	C Field	Backstop
	90'	270'	320'	350'	40'

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry / Solar Orientation		X			
Stand of Turf				X	
Infield Condition (Infield material, base paths, etc.)			X		
Planarity (playing surface - lack of dips, heaves, holes, etc.)				X	
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, backstops, outfield fencing, etc.)			X		
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.)			X		
Support Equipment (bases, dugouts, batting cages, players benches, etc.)		X			
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Drainage	X				
Average Score =	2.0				

Comments
<ul style="list-style-type: none"> - Field faces south, preferred orientation is east-northeast - Left field distance of 270' does not meet current NFHS regulations (300' minimum) - Minimal dugouts and backstop, in poor to fair condition - Batting cage in disrepair

POND ROAD FIELDS – BASEBALL FIELD



Photo 1: The infield is in good to fair condition, with minimal weed intrusion.



Photo 2: The chain link backstop is in fair condition. However, overall protection is lacking.



Photo 3: Areas of poor drainage have resulted in puddling by the first base line dugout area.



Photo 4: A batting cage in disrepair.



Photo 5: There is an area of significantly poor drainage in the left field corner, approaching wetland conditions.



Photo 6: The scoreboard located on the school building is in fair condition, but poorly located for baseball usage.

MPR Athletic Field Evaluation Form



Pond Road Rectangular Field

Field Grade:	2.7
--------------	------------

Date of Evaluation	6/28/2023		
Type of Field:	Multi-Purpose Rectangular (MPR)		
Number of Fields:	One		
Typical age of users:	Youth and High School		
MPR Field Dimensions:	Length:	Width	Run-Out
	300'	190'	15'+

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry				X	
Stand of Turf				X	
Planarity (playing surface - lack of dips, heaves, holes, etc.)				X	
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, gates, etc.)	X				
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).				X	
Support Equipment (goals, players benches, etc.)				X	
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)			X		
Drainage			X		

Average Score =	2.7
------------------------	------------

Comments
<ul style="list-style-type: none"> - Field overlaps with baseball outfield, Field shrinks to youth size during spring season - drainage structures close to field limits

POND ROAD FIELDS – MPR FIELD



Photo 1: Overall view of the rectangular field from the eastern lot, showing the shared outfield with baseball.



Photo 2: Spectator seating in good condition. However, access is limited and its positioning is awkward.



Photo 3: Perimeter fencing with incomplete coverage is heavily overgrown and in poor condition.

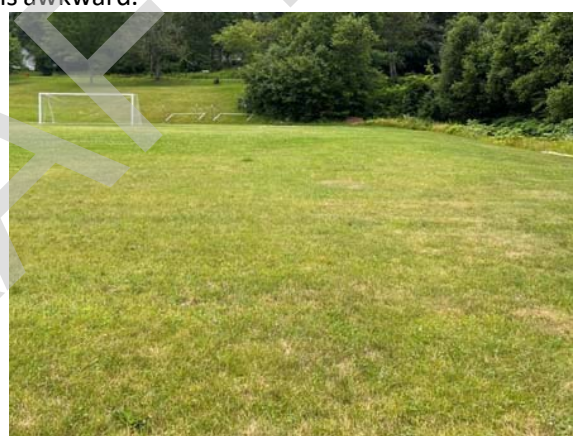


Photo 4: The turf grass is in fair condition; some areas of dry grass and poor drainage were observed.



Photo 5: Goals are in fair condition and lack a formal storage area.

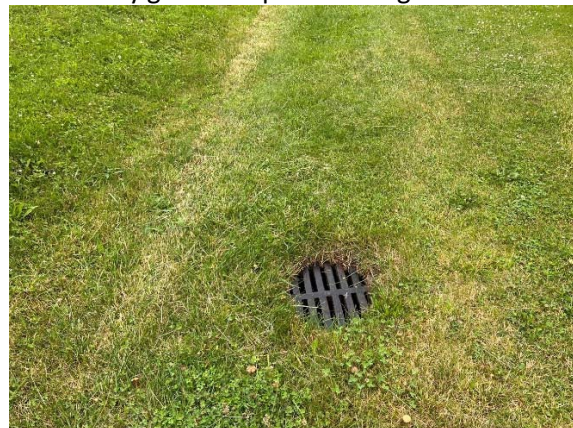


Photo 6: Drainage infrastructure was observed in the vicinity of the field, posing potential safety hazards.

MPR Athletic Field Evaluation Form



Hildreth Elementary Open Space

Field Grade:	3.0
--------------	------------

Date of Evaluation	6/28/2023		
Type of Field:	Multi-Purpose Rectangular (MPR)		
Number of Fields:	One		
Typical age of users:	Youth		
MPR Field Dimensions:	Length:	Width	Run-Out
	~200'	~120'	

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry				X	
Stand of Turf				X	
Planarity (playing surface - lack of dips, heaves, holes, etc.)				X	
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, gates, etc.)	X				
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).				X	
Support Equipment (goals, players benches, etc.)	X				
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)	X				
Drainage	X				

Average Score =	3.0
------------------------	------------

Comments
<ul style="list-style-type: none"> - Grass needs to fill in - Flat surface - Has potential for small youth rectangular sports

HILDRETH ELEMENTARY



Photo 1: Potential field area appears generally flat, approximately 125' x 200' in size.



Photo 2: Turfgrass appears to have been seeded recently, but the grass has not yet filled in.



Photo 3: There is a minimal site border, with a potential for wayward balls.



Photo 4: The field's close proximity to State Route 111 may not be preferred for youth sports.

MPR Athletic Field Evaluation Form



Library Field Open Space

Field Grade:	1.5
--------------	------------

Date of Evaluation	6/28/2023		
Type of Field:			
Number of Fields:			
Typical age of users:			
MPR Field Dimensions:	Length:	Width	Run-Out
	~150'	~120'	

	N/A	Poor (1)	Fair (2)	Good (3)	Excellent (4)
Geometry			X		
Stand of Turf			X		
Planarity (playing surface - lack of dips, heaves, holes, etc.)		X			
Striping (Completeness, visibility, condition)	X				
Fencing (Perimeter fencing, gates, etc.)	X				
Irrigation (condition, coverage, reported adequacy)	X				
Safety (Run-outs, lack of obstructions, etc.).		X			
Support Equipment (goals, players benches, etc.)	X				
Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.)	X				
Site Lighting	X				
Spectator Seating (condition, size, accessibility, etc.)	X				
Drainage	X				

Average Score =	1.5
------------------------	------------

Comments
<ul style="list-style-type: none"> - Currently unprogrammed area - Numerous small boulders within limits - Area has moderate slope running east to west, would not be feasible for regulation athletic events - Pavilion planned for southwest corner of open space

HARVARD PUBLIC LIBRARY – OPEN SPACE



Photo 1: Overall view of open space, approximately 125' by 200'.



Photo 2: The open area has a relatively consistent 5-10% slope, which is not conducive to sports fields.



Photo 3: Numerous small boulders within the potential field limits present a safety hazard.



Photo 4: The turfgrass in fair condition overall.

ENCLOSURE 3

Stakeholder Questionnaires

DRAFT

**TOWN OF HARVARD
RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

Gale Associates, Inc. (Gale) was hired by the Town of Harvard to complete a Recreational Field Needs Assessment. One objective of the assessment is to provide an evaluation of each athletic facility within the Town, quantify the uses placed on each facility, and determine what recreational needs are currently not being met with the inventory of athletic facilities in Harvard today.

Part of the process is to consult with the users of each facility to quantify their uses of each field or athletic facility, determine the growth trends in their program, the age of program participants, governing body for rules, etc. Additionally, it is important to obtain feedback from the users on the condition of the facilities that are being used as well as the recommended priorities for improvements.

The following questionnaire is being provided to you in an effort to obtain important information regarding your recreational program(s) and the use of athletic facilities in the Town of Harvard. Please complete each question as accurately as possible and return via email to rdt@gainc.com.

Once we have received the completed questionnaires, we will hold a meeting for which your participation may be requested to discuss the schedules and needs of your recreational program(s). This information will be used as we move forward with recommendations as it relates to athletic facility evaluations and demand, facility enhancements, redevelopment strategies, and redistribution of athletic facility demands.

Please do not hesitate to contact our office with any questions at (781) 335-6465 or by email to rdt@gainc.com.

Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: _____

Agency point of contact information:

Name: _____

Phone: _____

Email: _____

Date: _____

What sport is played: _____

What age group(s): _____

What is the sex of the participants (m/ f/mixed): _____

What is the total number of program participants: _____

What has been the growth trend in the past 5 years? _____

What do you expect for growth in the next 5 years? _____

For each season, what are the number of teams fielded?

Season 1: No. Teams _____ Ave. Players per team: _____

Season 2: No. Teams _____ Ave. Players per team: _____

Are your number of teams currently restricted by field space? _____

If so, how many more teams would you field given unlimited space? _____

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: _____

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SPRING Season: Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SUMMER Season (if applicable): Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: Many of the fields are overused causing the fields to be in a poorer condition. They have begun resting one field per season along with extra work on closed field to try and improve the condition.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? Lighted field would just increase the use on the fields currently in use. New fields need to be added to reduce the time on the existing fields

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? Turf fields have been discussed and they could be a viable option except you cannot put one on the Pond Rd field because of the proximity of the town wells which will not allow it.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

- 1) Need more fields or less use of current fields
- 2) Synthetic turf should be explored as a potential option
- 3) Providing enough maintenance staff would be paramount to any changes that are made

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process:

This has been an on-going problem for many years with new people and ideas constantly being presented but with little success.

Thank you for your cooperation in completing this questionnaire.

G:\719240\01 Evaluation\field study\questionnaires\719240 Harvard Fields Assessment Questionnaire.docx

Ryan,

I am the DPW Director and we oversee maintenance of the fields and would be willing to speak with you in more detail about how we have done maintenance for the fields. It would be too much to describe it here so please feel free to call me and maybe we can schedule a time to meet.

Thanks,

Timothy B. Kilhara
47 Depot Rd.
Harvard, MA 01451
978-456-4130



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RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

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Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol Ryan D. Thackeray

Kathy D. Hervol Ryan D. Thackeray, E.I.T
Sr. Project Manager Sr. Staff Designer

Name of using agency/sport: The Bromfield School

Agency point of contact information:

Name: Dave Boisvert

Phone: (978) 456-4152

Email: dboisvert@psharvard.org

Date: 6/28/23

What sport is played: Soccer, field hockey, baseball, softball, lacrosse, tennis, track and field

What age group(s): 12-18

What is the sex of the participants (m/ f/mixed): Male & Female

What is the total number of program participants: 450

What has been the growth trend in the past 5 years? School enrollment has dropped over the past 5 years, however, participation numbers have not shown a dip.

What do you expect for growth in the next 5 years? As enrollment rebounds, participants will more than likely also increase.

For each season, what are the number of teams fielded?

Season 1: No. Teams 10 Ave. Players per team: 25

Season 2: No. Teams 10 Ave. Players per team: 25

Are your number of teams currently restricted by field space? yes

If so, how many more teams would you field given unlimited space? 2

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: Not run through the school

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: 8/21 End Date: 11/11

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Bromfield	Front field		3-6	3-6	3-6	3-6	3-6	
Depot	upper	12-2	3-5:30	3-5:30	3-5:30	3-5:30	3-5:30	
Depot	lower		3-5:30	3-5:30	3-5:30	3-5:30	3-5:30	
Bromfield	pond		3-5:30	3-5:30	3-5:30	3-5:30	3-5:30	
Harvard Park								
Charlie Waite			3:15-5:00	3:15-5:00	3:15-5:00	3:15-5:00	3:15-5:00	

Page 2

SPRING Season: Start Date:3/21 End Date: 6/10

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Bromfield	Front field		3:30-5:30	3:30-5:30	3:30-5:30	3:30-5:30	3:30-5:30	
Bromfield	Pond diamond		3:00-6:00	3:00-6:00	3:00-6:00	3:00-6:00	3:00-6:00	
Bromfield	Tennis courts		3:00-6:00	3:00-6:00	3:00-6:00	3:00-6:00	3:00-6:00	
Anne Lees			3:30-5:00	3:30-5:00	3:30-5:00	3:30-5:00	3:30-5:00	
Harvard Park	track		3:15-5:30	3:15-5:30	3:15-5:30	3:15-5:30	3:15-5:30	

SUMMER Season (if applicable): Start Date: End Date:

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.:

Bromfield front field- This field is an adequate practice field for field hockey and girls lacrosse. As a game field it is too small and the field isn't level, making safety an issue. The field is mowed and lined, that is the extent of the maintenance. Drainage is an issue for parts of the field. There are parts of the field that no longer have any grass, there has not been an attempt to rectify this. For parking, the school parking lot is available.

Depot fields - Upper depot was closed two years ago and lower depot is currently closed for maintenance. These are adequate practice fields, lower depot is small for high school games. These fields do have the benefit of irrigation, so that helps a little. These may be the best draining fields in town.

Charlie Waite fields - Good for practice, too small for games. Field is regularly closed if there is rain, does not drain at all.

Pond Road - used for practice and middle school soccer games. Drainage is not good, by the end of the season, there are large patches without grass, the field is mainly clover and weeds.

Pond road diamond - Field does not drain, field is rarely available for games before April vacation. The infield is rarely dragged, by the end of the season, the infield is full of weeds. The pitchers mound needs to be rebuilt, and the batter's box area needs to be rebuilt also. Dugouts would be nice, benches need to be replaced.

Anne lees field- fairly new field, outfield is still mainly weeds, does not get mowed as regularly as other fields, making it hard to practice.

Harvard Park (soccer/lacrosse game field) - Does not drain, rain will close the field for extended periods of time. Sections of the field do not have grass and are not level.

Harvard Park (track)- The track is going to need a major renovation soon, there are dips forming on the track in the running lanes. The base asphalt has cracks that expand every year and will soon reach the track surface.

Tennis courts - The courts were recently repaired, however, by the end of the winter, there were new cracks on the courts, which will eventually render the courts unplayable.

All of fields are surrounded by poison ivy.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted?

Lights would provide for more field availability, however, it would more than likely lead to the fields being overused more than they already are. If lights were to be installed, Harvard Park would be the ideal location.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf?

A turf field would be beneficial for my programs, we would still be able to play our games during inclement weather. I think it would also take pressure off of some of our existing fields. Harvard Park would be the field that would make the most sense.

Page 3

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

- 1) Regular maintenance; regular mowing, bagging of clippings, overseeding and fertilizing of fields etc.
- 2) Leveling the front field at Bromfield
- 3) Rectifying drainage on Pond Road baseball diamond.

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process:

Thank you for your cooperation in completing this questionnaire.

DRAFT

Ryan D. Thackeray

From: joerama valianti <jvalianti@yahoo.com>
Sent: Thursday, June 29, 2023 1:17 PM
To: Ryan D. Thackeray
Cc: David Boisvert; Marisa Steele
Subject: Feedback

Hi Kathleen and Ryan,

Just tried to fill out the feedback survey that you sent, and it will not let me automatic enter any information into the attachment. I am not that tech savvy so I'm not sure if I was doing something wrong, or missed a step. I do not have a printer and I will do it that way so not sure how to fill it out.

But, your timing is impeccable, because I was just working up an email to send to our Athletic Director in regards to suggestions for the baseball field. I am the middle school baseball coach at Bromfield and have very specific questions/recommendations to get our field up to snuff, thank you for asking.

1) Fix the hole in the fence on the backstop behind home plate. Balls often roll through there in a passed ball and end up the tall grass, sometimes to disappear forever, or sometimes sending player from our team or the visiting team into find it and subjecting them to possible ticks.

2) Somehow fix the corner of left-field, some of which is in fair territory so that balls don't get stuck in the muck there, again sometimes being lost or becoming unusable.

3) Keep the outfield fence in better shape.

4) Create a clear walking path for the students and players to walk down from the upper school area to the field below, so they are not walking through high brush.

AND MOST IMPORTANTLY:

5) Put a foul-ball catching screen all around the field, extending high on top of the fence behind home plate, and extending both ways high all the way past the first base side into right field foul territory and then extending the other way down the third-base line all the way into the left-field foul ball territory area. If unsure what this will look like, please go visit Acton Boxborough high school baseball field they have a full screen all around.

BENEFITS OF THIS: helps to ensure we don't lose tons and tons and tons of foul balls into the high, high grass, which puts players in danger of getting ticks, often resulting in lost balls anyways, because the grass and brush is so thick that they cannot find the balls.

Also lots and lots of saved balls from going into the big swamp on the 1st base side.

\$\$\$\$- lots, and lots of balls and money saved. How much? Not sure but over the long haul the screen I would think would pay for itself in a few years. Also, we are putting fewer players in danger of getting ticks on them.

Perhaps we could reach out to the Acton-Boxborough high school Athletic Director, to see where they got the net, how it is working and how much it cost?

Potential ancillary benefits: might we attract additional athletes/students/families to Harvard and to the Bromfield school system and onto our athletic teams, especially with various school choice programs being available to people in the area?

I obviously understand that any of these improvements will involve capital approval budgets from our town, but isn't it worth it?

And a sound investment? If I can help in anyway will you please reach out? Thank you.

Sincerely,
Rama Valianti
781-244-0186

DRAFT

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RECREATIONAL FIELD NEEDS ASSESSMENT**

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Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: Bromfield Baseball

Agency point of contact information:

Name: Lonnie Quirion

Phone: 508-735-7123

Email: lquirion@gmail.com

Date: 6/29/23

What sport is played: baseball

What age group(s): Middle school, JV, varsity

What is the sex of the participants (m/ f/mixed): mixed

What is the total number of program participants: 35-40

What has been the growth trend in the past 5 years? Stable, we've always been between 30-40

What do you expect for growth in the next 5 years? We will grow due to high numbers in Harvard Youth Baseball

For each season, what are the number of teams fielded?

Season 1: No. Teams 3 Ave. Players per team: 10-15

Season 2: No. Teams _____ Ave. Players per team: _____

Are your number of teams currently restricted by field space? No

If so, how many more teams would you field given unlimited space? _____

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: _____

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SPRING Season: Start Date: 3rd Monday in March End Date: 1st/2nd week of June

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
High School	Pond Rd.		3-7PM	3-7PM	3-7PM	3-7PM	3-7PM	

SUMMER Season (if applicable): Start Date: _____ End Date: _____

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: Maintenance is ok, although I do all of the field dragging and lining myself. Weed growth on the hill is a major problem, we lose countless baseballs which impacts our budgeting and I once had a student contract Lyme Disease from hunting baseballs. The growth also impacts our fans ability to watch games. If it were to be regularly maintained the hilly area behind home plate and 3rd base would be a natural seating/viewing area. Drainage at the field is another big problem. We have an area in left field that is turning into swampland, and any significant rain makes the field unplayable for several days. Our backstop fencing is also inadequate and we could save a lot of baseballs if we installed netting along the first base side like you see at many other baseball diamonds.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified?
If so, which fields in particular do you recommend be lighted? _____

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? Synthetic turf would be a major enhancement to Pond Rd, but I believe that got voted down just a few years ago.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) Regular trimming of the weed growth around the field

2) A professionally installed batting cage

3) New backstop fencing

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process:

Thank you for your cooperation in completing this questionnaire.



**TOWN OF HARVARD
RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

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Part of the process is to consult with the users of each facility to quantify their uses of each field or athletic facility, determine the growth trends in their program, the age of program participants, governing body for rules, etc. Additionally, it is important to obtain feedback from the users on the condition of the facilities that are being used as well as the recommended priorities for improvements.

The following questionnaire is being provided to you in an effort to obtain important information regarding your recreational program(s) and the use of athletic facilities in the Town of Harvard. Please complete each question as accurately as possible and return via email to rdt@gainc.com.

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Please do not hesitate to contact our office with any questions at (781) 335-6465 or by email to rdt@gainc.com.

Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol Ryan D. Thackeray

Kathy D. Hervol Ryan D. Thackeray, E.I.T
Sr. Project Manager Sr. Staff Designer

Name of using agency/sport: The Bromfield School/Field Hockey

Agency point of contact information:

Name: Miki Fitzgibbons

Phone: 978.618.8707

Email: mfitzgibbons@psharvard.org or dovetaildezin2@gmail.com

Date: Jun 30, 2023

What sport is played: Field Hockey

What age group(s): grades 6-12

What is the sex of the participants (m/ f/mixed): 1 male the rest female

What is the total number of program participants: on any given year no less than 33 as it's 11v11

What has been the growth trend in the past 5 years? Have been able to field all 3 teams (middle school, JV and varsity teams)

What do you expect for growth in the next 5 years? As we feed more students into the district it is the hope to continue to drum up interest for this great sport.

For each season, what are the number of teams fielded? IT's a Fall season sport

Season 1: No. Teams 3 Ave. Players per team: 12-15

Season 2: No. Teams Ave. Players per team:

Are your number of teams currently restricted by field space? YES!!! It's not so much teams restricted but our current practice times are restricted as most times the three teams have to share the field and overlap practice times due to only having 1 field with only 2 nets.

If so, how many more teams would you field given unlimited space?

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: Yes, there has been an annual Jump start program leading into pre-season tryouts. Typically this is the week prior to tryouts for the Fall season.

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: End Date:

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)
--	--	--

Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Field hockey field	Full field	Captain Practice 1.5-2 hours varying times	3-6 Practice or games	3-6 Practice or games	3-6 Practice or games	3-6 Practice or games	3-6 Practice or games	

Page 2

SPRING Season: Start Date: End Date:

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SUMMER Season (if applicable): Start Date: End Date: End of August usually a 3 day event times vary depending

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Field hockey	Full field		9-3?	9-3?	9-3?			

field								

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.:

Considering the grass was up to our ankles with weeds and grass and holes, the field was nearly impossible to dribble or do any sort of stick work at the beginning of last season.

We have the reputation for having the worst field hockey field in the league. We are one of the only towns in the league that has not transitioned to artificial turf. The drainage, the divots, the lack of grass in the circle around the scoring area are but dirt. The uneven grass and weeds make it almost impossible to perform the simplest stick handling drills and execution in practice and games. Currently I bring my team to the back (cracked) basketball cement court out in the back of Bromfield to prepare for turf games as it is a totally different game with regards to speed and control. We have used the first 30 minutes for cleaning leaves and pine needles off to avoid slipping injuries to clear as much of the cement as we can to try to gain about a 3 ft space for the 15 + players to try to pull the ball on. We tape the bottom of our sticks to not rip them apart on the cement but it is the only way to get some remote idea of the ball handling and surface handling in order to have some sense of what to expect when we face our turf opponents. At times we use the gym but that is when it is available on raining days and when there are games both JV and Varsity need to share the gym when that is allowed. One practice I took my team to the hallway by the courtyard and we held our entire practice in the stretch along the windows to prepare for Littleton.

It sets our teams at a huge disadvantage as far as development and skill execution as well as disadvantages against those teams that are "turf" teams. At times we just can't compete due to lack of preparation and experience on the surface. Most times we rely on our home field to feel it is a level playing field due to the shock factor visiting teams face when they take foot on our field. Most times we are a laughing stock. It also poses dangerous lifting and unexpected redirection of hard hit balls due to the holes in the field. Dribbling into the far corner is like quicksand due to the thick undrainable grass then it transitions to the dirt/weed grass in the middle and goal near the big rock.

It's a shame that the only turf in our town surrounds the new swing set and playground at HES to which I discovered last year and actually brought my girls over to just do simple pulls to try to practice. We should not have to pay to practice off site at Progan in order to practice for our regular season games. Our athletes deserve better than this. Towns like Littleton and Ayer who have recognized the importance of keeping up with modern times are reaping the benefits in the rankings as well as development of their athletic programs. Field Hockey is still a viable sport, it has advanced and grown to the point where most don't even know it was once only played on grass at most highschoools. Having been a D1 State Champion, playing D1 field hockey in college earning a full 4 year scholarship, I know first hand how difficult it is to perform the simplest moves on an uneven, weedy, field with unexpected holes and divots. Most times you are playing against the field itself..not your opponent and it comes down to the luck of the bad

bounce. Field Hockey on grass and field hockey on turf are two separate games. Unfortunately our teams have not had an equal opportunity to develop with the times.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted?

YES. Unfortunately during the time switch for the Fall sports we have had dangerous situations where we run out of time for our JV games due to loss of sunlight. Sometimes our games are just called due to lack of light and it doesn't matter the score which is frustrating to our team who have had to fight against the sun going down. The refs make the call when it becomes too dangerous for all involved due to not being able to dodge high lifted balls due to lack of visibility. I realize that the field hockey field does not lend itself to having lighting posts aesthetically pleasing but if there were lighting options for other fields such as Harvard Park that would open up opportunities for flexibility in the timing of games and events for the whole town.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf?

I AM A HUGE PROPONENT OF SYNTHETIC TURF. We are way behind the times in the lack of investment in our athletic fields. We are one of the only towns that still has to scramble around to find turf surface to practice and prepare for competition. As one of the wealthiest towns in the area it's a matter of shifting priorities and looking at other towns like Littleton and Ayer and what they have gained by recognizing the necessity of upgrades and supporting the athletes in the community as well as other events that could benefit from such facilities.

Page 3

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

- 1) Equity in development opportunities to be able to compete in the league
- 2) Safety during practice and gameplay should be considered especially for field hockey players and anyone else who uses our field
- 3) Giving our athletes the surfaces they need to train safely and effectively, keeping up with all of the other towns who currently have those advantages.

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process:

It's beyond the time for updates and changes to our field situation. As the town grows, educating the town as a whole on the benefits of what athletics brings to the community not only spiritually but what it brings to the value of our homes and properties and school system should be a priority. Just like the academic opportunities our students are given, some students rely not only on academics but on athletic pathways to college. I would also add that I have had players of all levels and those who have never played before. Educating people on the fact that it's so much more than the sport itself. These are life lessons learned through being a part of something bigger than ourselves, pushing yourself to achieve things you didn't realize you could. It's not just about whether you are in support of organized sports or not. It's opportunities that are created through these opportunities. We want to give our youth what they deserve. Peddling at the transfer station to raise money for turf time in Lancaster should not be necessary. Our kids work so very hard in the classroom and dedicate so much of their time and effort to push themselves to be their best selves. They deserve equal opportunities to train and play on fields equal to their opponents. I believe if you build it they will come. I am not only a coach for Bromfield, I am a resident and parent of athletes who play other sports in town as well. Updates are way overdue.

Thank you for your cooperation in completing this questionnaire.

DRAFT



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RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

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Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: Field Hockey

Agency point of contact information:

Name: Susan Silver

Phone: 508-335-5863

Email: ssilver@ps.harvard.org

Date: July 4, 2028

What sport is played: Field Hockey

What age group(s): 3-12

What is the sex of the participants (m/ f/mixed): Mixed

What is the total number of program participants: 30-50

What has been the growth trend in the past 5 years? slow growth

What do you expect for growth in the next 5 years? ?

For each season, what are the number of teams fielded?

Season 1: No. Teams 3 Ave. Players per team: 13

Season 2: No. Teams 1 Ave. Players per team: 10

Are your number of teams currently restricted by field space? No

If so, how many more teams would you field given unlimited space? _____

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: yes - Elementary prog.

May - 3:30-5:00 10x

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: Aug. 21 End Date: Nov.

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
<u>F.H. field</u>		<u>3-5</u>	<u>3-6</u>	<u>3-6</u>	<u>3-6</u>	<u>3-6</u>	<u>3-6</u>	<u>9-11</u>

SPRING Season: Start Date: May End Date: 6X

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
F.H				3:30-5:00				

SUMMER Season (if applicable): Start Date: Aug. 16 End Date: Aug. 18

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
F.H.					9-12	9-12	9-12	

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.:

It is okay. Drainage near road
could be better

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted?

Soccer fields

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf?

YES!! The F.H. field.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

- 1) Small storage shed for equipment
- 2) F.H. is so much better on turf.
- 3) _____

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: _____

Thank you for your cooperation in completing this questionnaire.

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DRAFT

Name of using agency/sport: HAA Basketball

Agency point of contact information:

Name: Sarah Tufano
Phone: (978) 339-9829
Email: sarah.s.tufano@gmail.com
Date: 7/4/23

What sport is played: Basketball

What age group(s): kindergarten through ~~MAXIMA~~ Adult

What is the sex of the participants (m/ f/mixed): Grades K-2 is coed. All other groups are divided into M-F.

What is the total number of program participants: ≈ 250

What has been the growth trend in the past 5 years? I took over the program last year. My best guess is 10-15% growth.
What do you expect for growth in the next 5 years? 15%-20% growth

For each season, what are the number of teams fielded?

Season 1: No. Teams ≈ 23 Ave. Players per team: _____
Season 2: No. Teams _____ Ave. Players per team: _____

Are your number of teams currently restricted by field space? YES

If so, how many more teams would you field given unlimited space? ≈ 6

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: Basketball clinic run by high schoolers during basketball season @ HES.

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: Nov. 1 End Date: Mid March

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
HES	Basketball Court	10am-5pm	6-9:30pm	6-9:30pm	6-9:30pm	6-9:30pm	6-9:30pm	9am-6pm
TBS	Court	12-5pm	8-10pm	8-10pm	8-10pm	8-10pm	8-10pm	TBD

SPRING Season: Start Date: N/A End Date: _____

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SUMMER Season (if applicable): Start Date: N/A End Date: _____

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: The new basketball court at AES is not a regulation-sized basketball court and has ~~made~~ intensified scheduling demands for both the rec and school basketball programs. With access to only two basketball gyms in town, one of which isn't even regulation sized, we are unable to meet the growing demand for programming.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? _____

No.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? _____

From a basketball standpoint, we do not stand to benefit from any additional fields, unless those fields were part of a larger athletic complex that included an indoor basketball court.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) Access to an additional indoor basketball court.

2) _____

3) _____

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: See Below

Thank you for your cooperation in completing this questionnaire.

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While I certainly understand the need for additional/better fields for outdoor sports in town, I would feel remiss not to mention that the town has inadequate indoor courts to support the growing demand for basketball programs. It was a huge miss to have put in a brand new gym at HES that is 8 feet narrower than a regulation-sized court and much shorter length-wise than a standard court. Our middle school and high school shares one gym, making that just two gyms in town to support a huge basketball demand — middle school boys and girls teams, JV boys and girls teams, Varsity boys and girls teams, and then all of our rec programs (K-2, Boys 3/4, Girls 3/4, Boys 5/6, Girls 5/6, SEPAC, CMYBL teams, Adult). Kids as young as 10 have to have basketball

practices that finish as late as 9:30 PM because that is when the gym is available. We have to schedule 8 year olds that don't finish until almost 8 pm. We are extremely cramped for gym space in town and have had to regularly cap teams, turning away kids who would like to play, simply because adding additional kids means adding additional teams and we do not have the gym space to expand. The growth and success of basketball in Harvard is hugely hamstrung by its lack of adequate gym space.

**TOWN OF HARVARD
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Please do not hesitate to contact our office with any questions at (781) 335-6465 or by email to rdt@gainc.com.

Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: Bromfield HS Track & Attached Track Club

Agency point of contact information:

Name: Greg Bourque

Phone: 978-894-4618

Email: greg.bourque@gmail.com

Date: 6/30/2023

What sport is played: Track & Field

What age group(s): Middle and High School

What is the sex of the participants (m/ f/mixed): Mixed

What is the total number of program participants: 85

What has been the growth trend in the past 5 years? Roster size varies, but average is 75

What do you expect for growth in the next 5 years? minimal

For each season, what are the number of teams fielded?

Season 1: No. Teams 4 (spring track) Ave. Players per team: 20

Season 2: No. Teams 1 (summer Club) Ave. Players per team: 10-15

Are your number of teams currently restricted by field space? no

If so, how many more teams would you field given unlimited space? none

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: I run Attached Track Club at the track facility in the summer dates provided below.

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SPRING Season: Start Date: March 27 End Date: June 15

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
McCurdy	Track		3-5:30pm	3-5:30pm	3-5:30pm	3-5:30pm	3-5:30pm	

SUMMER Season (if applicable): Start Date: June 28 End Date: August 23

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
McCurdy	Track		3-5:30pm		3-5:30pm			

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: _____

The track surface at McCurdy is nearing its end of life. There are visible cracks in many locations both on the rubber track surface as well as the paved portions. The drainage system is also clogged in a number of places so water pools on the track in many areas. There are also a few dips now where the track has sunken down that will likely get worse and could potentially cause injury to a runner

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? _____
 Lights at McCurdy Track would be hugely beneficial to all field sports and the track program. Night games draw the biggest crowds and spotlight the teams in the community. They would also allow for non school teams and leagues to utilize the facility more frequently with less scheduling conflicts

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? _____
 Turf would likely be beneficial to the field sports, but would have little to no impact on the track programs

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) Rebuilding the track with a better drainage system and no paved areas

2) _____

3) _____

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: _____

Thank you for your cooperation in completing this questionnaire.

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DRAFT

Name of using agency/sport: MARISA Steele - PdR field Liaison

Agency point of contact information:

Name: MARISA Steele

Phone: 978-870-6763

Email: msteele 01451@gmail.com

Date: 6/28/23

Bromfield Boys XC Coach
Bromfield Boys/Girls
Indoor & Outdoor Track
Coach

What sport is played: XC & Track

What age group(s): MS & High School

What is the sex of the participants (m/ f/mixed): Mixed

What is the total number of program participants: 20 Boys Varsity XC

What has been the growth trend in the past 5 years? Indoor track = co-ed varies annually usually around 30

What do you expect for growth in the next 5 years? out door track = co-ed; usually 80

For each season, what are the number of teams fielded?

Season 1: No. Teams _____ Ave. Players per team: _____

Season 2: No. Teams _____ Ave. Players per team: _____

Are your number of teams currently restricted by field space? _____

If so, how many more teams would you field given unlimited space? _____

} Not Applicable
to
Track or
XC

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: _____

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: AUG 20 End Date: NOV 20

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Roads/Trails around town			3-5pm					8-10am

SPRING Season: Start Date: March 17 End Date: June 10

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Broomfield	Harvard Park		3-5pm					
	Track							

SUMMER Season (if applicable): Start Date: _____ End Date: _____

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: _____

TRACK - showing cracks/wear. Original track is ~20 yrs old. Has been Resurfaced already x 1. Poor drainage along track edges - looks like drainage system was not installed properly. DPN cuts grass & leaves clippings on track which has been issue in past with grass & weeds. Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? growing up through the track itself. Also grass/weeds growing in long jump pit. Lower throwing area is often wet and shot put area is down sloping rather than level. Multiple divots from throwing when surface is wet

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf?

Yes synthetic turf would ↑ field availability. We have numerous fields with poor drainage that have to be closed after Rain. In addition, spring usage is delayed at Start of season - turf would allow us to get on fields earlier in the season. If turf was to be considered - I would suggest at Harvard Park However issues with increased injury rate on turf fields, environmental concerns & cost are likely factors that would prevent a positive reception from Town Voters.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

- 1) Not enough fields ^{poor maintenance} _{poor drainage} } equals multiple field closures
- 2) PARKING lots (at Ryan Land / Depot) are in poor condition
- 3) with areas of standing water after heavy rains

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: _____

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For Track Program - New Track is needed - reaching end of life. Leveling of throwing area would be helpful as shot Put area is downsloping & has big divots when throwing occurs on wet grounds

Lighting might be a nice to have but with current fields & ~~there~~ their conditions, not sure it would add any additional playing time. Plus its added expense could not easily be recouped.

Parking is limited at all venues so having night games is really not feasible. No way to charge entrance/admission fee as there is no fencing around venues

**TOWN OF HARVARD
RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

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Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: Harvard Youth Baseball and Softball Association (HYBSA)

Agency point of contact information:

Name: James O'Leary

Phone: 978-456-0108

Email: jamesoleary81@yahoo.com

Date: 01-Jul-23

What sport is played: Baseball, Softball, T-ball

What age group(s): 4-12yrs old, cannot have 13 and older teams as there are no town 90' diamonds

What is the sex of the participants (m/ f/mixed): Baseball - M, Softball - F, T-ball - mixed

What is the total number of program participants: Spring '23: 149 participants

What has been the growth trend in the past 5 years? See trend attached

What do you expect for growth in the next 5 years? Assumed trend with Pre-K - 6th grade enrollment (~20%)

For each season, what are the number of teams fielded?

Season 1: No. Teams 15 (Spring) Ave. Players per team: 12

Season 2: No. Teams 9 (Fall) Ave. Players per team: 10

Are your number of teams currently restricted by field space? Teams are restricted by current diamonds (e.g. practice duration and frequency are limited per team)

If so, how many more teams would you field given unlimited space? 13+ yr old - require 90' town diamond
Others - no practice space available

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: None

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: 28-Aug End Date: 03-Nov *

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm) **						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Ryan Land	1 (RL1)		5-8pm	5-8pm	5-8pm	5-8pm	5-8pm	11am-8pm
Ryan Land	2 (RL2)		5-8pm	5-8pm	5-8pm	5-8pm	5-8pm	
Ann Lees			5-8pm	5-8pm	5-8pm	5-8pm	5-8pm	2-6pm

* End times are impacted by reduced daylight at end of season, October/November

** Field times are approximate but are based on league schedules. 0-4 games could be scheduled on any given day

SPRING Season: Start Date: 01-Apr *

End Date: 20-Jun

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm) **						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Ryan Land	1		5-830pm	4-830pm	5-830pm	5-830pm	5-830pm	11am-6pm
Ryan Land	2		5-830pm	4-830pm	5-830pm	5-830pm	5-830pm	11am-6pm
Ann Lees			5-830pm	5-830pm	5-830pm	5-830pm	5-830pm	2-6pm

* End times are impacted by reduced daylight at beginning of season, April/May

** Field times are approximate but are based on league schedules. 0-3 games could be scheduled on any given weekday. 0-7 games on Saturdays

SUMMER Season (if applicable): Start Date: _____ End Date: _____

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
			NONE					

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: ***

See response below^f

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? _____

Yes, lighted baseball and softball diamonds will reduce scheduling conflicts throughout the season especially when it is valuable to have additional practice time. Games can run to full duration if lights were available. Additionally, the experience for kids and parents is better when they see the ball as well as investment in our teams/diamonds.

Additionally rental opportunities may be available to town if diamonds had lights. Due to current field locations it is likely lights could only be available at a new field complex. See lighting used in Bolton, Westford, Groton

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? _____

Synthetic turf fields could be beneficial to the baseball/softball early in the season when diamonds are thawing/wet due to snow melt.

Although not expressly needed for HYBSA, turf fields might benefit other sports (e.g. lacrosse, field hockey).

^f

Ann Lees: There is no electric or water. P&R provides portable toilet. No amenities. Outfield needs grading, slice seeding - lumpy outfield will injure players. Small parking lot causes bus and car parking on town road in residential neighborhood. Very busy when hosting town games after MS/HS games

Ryan Land: There is electric and water (irrigation). P&R provides portable toilet. Defunct snack shack at RL1. RL1 condition is good, slight drainage issue on 3B line. RL2 is good but has sloping issue near 1B dugout as well as a well head in foul area near 1B. RL1 & RL2 are largest possible diamonds in given space. Parking lot is terrible, cars park on grass and muddy ruts exist after rain. If more than 1 game/practice in progress (including on nearby Depot Rd fields) cars park on busy town road.

Both: Cannot do weed, insect control or fertilize due to proximity to wetlands. Field dimensions are okay but have been force-fit into spaces adjacent to wetlands. Ticks are regularly found during/after practices and games

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

Expanding school population will drive town ball & school use of fields which are already at maximum use capacity, need multiple diamonds in future to

1) support future usage, periodic maintenance and betterments

2) Future-proofed (sustainable) maintenance plans for diamonds and fields

Betterments at each location such as dedicated batting warm-up areas, structurally sound batting cages, properly roofed dugouts, scoreboards, irrigation are required. Lights above diamonds which would extend the usefulness during each season

3)

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: [See below](#)

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In 2018, prior to building \$54M elementary school, the town had 3 baseball (60', 60'/70' and 90') and 3 softball diamonds. 2 softball diamonds were eliminated with school build and a small useless "diamond" was installed on school property. Due to location, sloping, and proximity to basketball courts this space cannot be used for any town baseball, softball or T-ball. After Fall 2022 season, the 60' baseball diamond was converted to a mixed use diamond. In order to use diamond for a U10 or U12 baseball game a portable pitching mound was purchased by HYBSA prior to Spring 2023 season.

Maintenance at Ann Lees:

IF: Periodic maintenance by local landscaper. Pre- and post-game maintenance completed by coaches/parents.

OF: Mowed by local landscaper

Surrounding area: Mowed by DPW

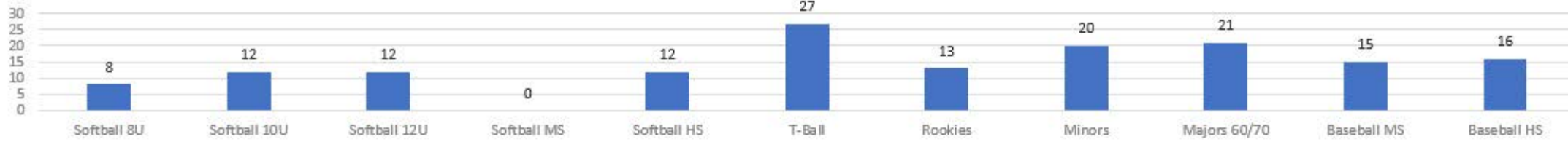
Maintenance at Ryan Land:

IF: Periodic maintenance by local landscaper. Pre- and post-game maintenance completed by coaches/parents.

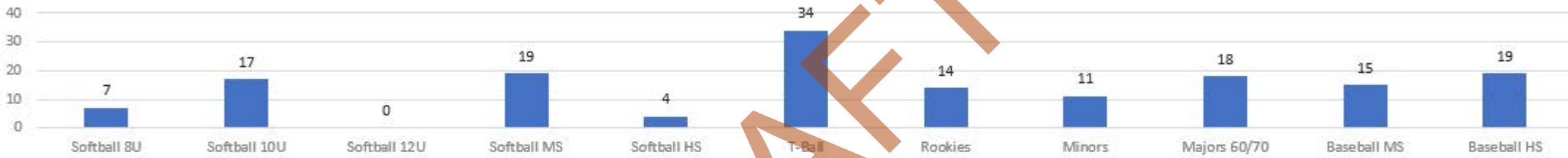
IF (RL1), OF (RL1/RL2) & surrounding area: Mowed by DPW

The town also has adult softball group and will periodically host club team baseball games on weekends. Additional diamonds would allow for club team rentals, use by local training facilities (e.g. At Bats, The Barn, In the Batter's Box) as well as hosting summer baseball and softball camps/programs.

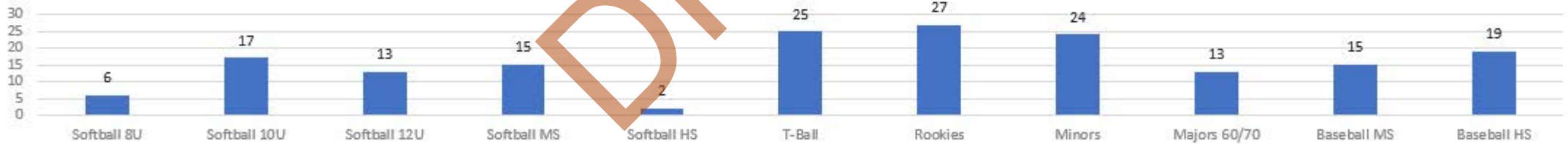
Spring 2019 Enrollments



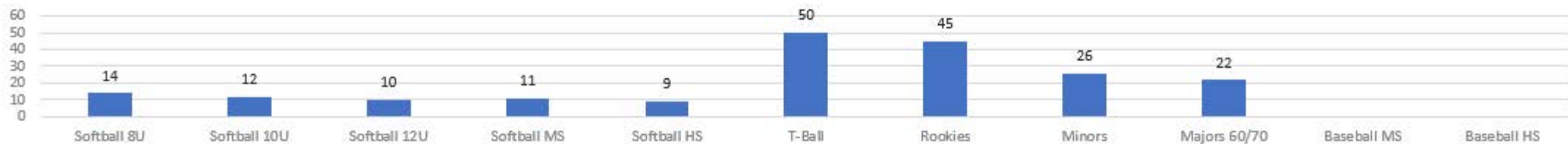
Spring 2021 Enrollments



Spring 2022 Enrollments



Spring 2023 Enrollments



**TOWN OF HARVARD
RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

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Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: Bromfield High School Softball

Agency point of contact information:

Name: Matthew Benway

Phone: 617-756-2838

Email: mattbenway@gmail.com

Date: 7/11/2023

What sport is played: Softball

What age group(s): High School

What is the sex of the participants (m/ f/mixed): F

What is the total number of program participants: 21

What has been the growth trend in the past 5 years? Rapid growth 12 player in 2023, 21 players in 2023

What do you expect for growth in the next 5 years? up to 30 players

For each season, what are the number of teams fielded?

Season 1: No. Teams 2 Ave. Players per team: 10.5

Season 2: No. Teams Ave. Players per team:

Are your number of teams currently restricted by field space? No

If so, how many more teams would you field given unlimited space? 2 teams

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: No

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: End Date:

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SPRING Season: Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Anne Lees			3:15 - 5:00					
Ryan Land 2			3:15 - 5:00					

SUMMER Season (if applicable): Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: Period re-conditioning, leveling and surface dragging by landscape contractor. Lawn cutting by Dept of Public Works. Often the field is overgrown as it is not cut frequently enough. Parking is ok. The geometry of the field is better as we did a an entire shifting of the diamond and moved the foul poles accordingly. Bathroom situation is TERRIBLE; one portapotty, but it is used by the public daily. It needs very frequent service; should be daily. Drainage of the field is excellent. DPW is good at lining the field for games. Grass needs more fertilizer. Sheds for storage and changing are adequate!

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? Don't need lights at Anne Lees

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? The town desperately needs a large multi-sport turf field for lax, soccer and especially field hockey, which is NOT a grass sport! either where the track is or in front of the school.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) As softball moves towards varsity softball, we will need better spectator accommodations...bathrooms/potties and more stands.

2) Anne Lees field cannot be maintained and prepared adequately without access to water.

3)

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: There have been improvements to softball fields. My biggest concern now is for field hockey...its almost unplayable on a grass surface.

Thank you for your cooperation in completing this questionnaire.

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DRAFT

Name of using agency/sport: Bromfield Girls JV lacrosse

Agency point of contact information:

Name: Ali Wicks

Phone: 617-584-2189

Email: alisonmccormack@gmail.com

Date: 6/29/2023

What sport is played: Girls lacrosse

What age group(s): 7-12th grade

What is the sex of the participants (m/ f/mixed): female

What is the total number of program participants: 18 @ JV 18 @ Varsity

What has been the growth trend in the past 5 years? growing steadily

What do you expect for growth in the next 5 years? large growth - robust youth program

For each season, what are the number of teams fielded?

Season 1: No. Teams 1 Ave. Players per team: 1 JV 1 Var

Season 2: No. Teams Ave. Players per team:

Are your number of teams currently restricted by field space? NO

If so, how many more teams would you field given unlimited space?

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: Pre season requires use of

turf athletic fields for @ 10 days (2hr each)
(also in season games require rentals at times)

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: End Date:

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SPRING Season: Start Date: March 20 End Date: June 20

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Brom	forced to Half		2hr	2hr (3:45-5:45)	2hr	2hr	2hr	
McCurdy	for games		Twice a week, 4hrs (3:00-7:00pm)					

SUMMER Season (if applicable): Start Date: _____ End Date: _____

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: The Bromfield field is Dangerous for practice and play. There are several holes, bumps, humps, ankle-breaking opportunities. We ARE FORCED (for safety) to host games @ the track.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? I think lights would bring more community support.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? I feel that best case, pond Road should be turf. Worst case, the track field. But I think we really need turf for safety.

→ This forces HS age children to require a ride NOT PROVIDED to the home games as early as 2:00pm on weekdays. The track field is also lumpy and unsafe but better than Bromfield.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) ~~Fields~~ Fields which are safe and accessible to all students -

2) _____
3) Move fields so our program doesn't need to be forced into use of bad fields.

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: _____

Thank you for your cooperation in completing this questionnaire.

DRAFT

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RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

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GALE ASSOCIATES, INC.

Kathleen D. Hervol Ryan D. Thackeray

Kathy D. Hervol Ryan D. Thackeray, E.I.T
Sr. Project Manager Sr. Staff Designer

Name: James Peirce
Phone: 978-314-1029
Email: triathlonjimmy@gmail.com
Date: July 19, 2023

What sport is played: Girls Lacrosse

What age group(s): 13-18 years old

What is the sex of the participants (m/ f/mixed): Female

What is the total number of program participants: 36

What has been the growth trend in the past 5 years? Unknown- it's my 1st year with program

What do you expect for growth in the next 5 years? To increase to 40 players per season

For each season, what are the number of teams fielded?

Season 1: No. Teams 2 Ave. Players per team: 18

Season 2: No. Teams _____ Ave. Players per team: _____

Are your number of teams currently restricted by field space? No

If so, how many more teams would you field given unlimited space?

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: no

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: End Date:

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Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Library field/Brom field school grass field			3:45-5:15pm	3:45-5:15pm	3:45-5:15pm	3:45-5:15pm	3:45-5:15pm	
Harvard Park	Inside of track			3:30-6:30pm				
Progin Park Lancaster	First 2 weeks of preseason		4-6pm	4-6 pm	4-6pm	4-6pm	4-6pm	
Progin Park Lancaster	Occasional home games (4 this season)		4-6pm					

SUMMER Season (if applicable): Start Date: End Date:

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.:

_ Practice field by Harvard Library and Bromfield school: average drainage, maintenance is below average and holes in the field are a danger to player safety. Bathrooms are available inside school. Field has no handicap accessibility- you have to walk down an embankment to access field. Practice field is typically not usable for our first 2-3 weeks of season and game fields were only usable for half of our home game.s

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted?

_ Lights would not impact access to practice and game fields.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf?

Synthetic fields is a much needed option for our lacrosse team. It would address the safety concerns of the practice fields as well as the handicap accessibility. It would ideally allow us to practice and play locally on the same field. Our lacrosse team had to travel 15 minutes to another town for weeks of practice and half of our home games. This was a burden to our families and forced our parents and players to fundraise relentlessly to raise funds for turf rentals. The school also pays significant funds for us to play our home games on turf when needed.

I would recommend Harvard Park be turned into a synthetic turf field with bleachers and lights.

Synthetic fields would lessen the fundraising burden for our athletes and parents, provide a safer playing surface, would reduce our travel time that we are currently spending driving to rental fields in Lancaster, MA,

Page 3

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

- 1) A safe practice and game field within the town limits that is level/flat, devoid of holes.
- 2) Netting to place behind goals to prevent balls from exiting practice and playing fields.
- 3) Bleachers for spectators

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process:

*_The school administration has been very responsive to our requests for renting turf and they consistently are able to provide these short term solutions, but these are a significant expense for the school

Thank you for your cooperation in completing this questionnaire.

DRAFT

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Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: Harvard Youth Lacrosse

Agency point of contact information:

Name: Peter Kelly-Joseph
Phone: 617-999-6604
Email: p.kellyjoseph@gmail.com
Date: 7/1/23

What sport is played: lacrosse

What age group(s): pre-kindergarten through grade 8

What is the sex of the participants (m/ f/mixed): mixed to grade 1 then female only.

What is the total number of program participants: 75

What has been the growth trend in the past 5 years? steady growth

What do you expect for growth in the next 5 years? numbers hold steady

For each season, what are the number of teams fielded?

Season 1: No. Teams 5 (spring) Ave. Players per team: 15
Season 2: No. Teams 3 Ave. Players per team: 12

Are your number of teams currently restricted by field space? no

If so, how many more teams would you field given unlimited space?

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: Primary season is spring. Fall skills camp is additional. Practice starts indoors because first games are around April 1.

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: 9-1 End Date: 11-1

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Bromfield Field		2-4						

SPRING Season: Start Date: April 1 End Date: June 20

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Bromfield Field		11-4	5-7	5-7	5-7	5-7	5-7	10-12

SUMMER Season (if applicable): Start Date: NA End Date:

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: _____

The lacrosse spring season is 8 games from April 1-June 15. The league will not allow games on natural grass the first two weeks because of general poor drainage in early season. We then lose access to Bromfield field for a week surrounding Bromfield Graduation. This season, lacrosse had 2 home games in all because of these restrictions and one field closure due to poor drainage. We like having all lacrosse based on one field but the field is used almost 365 days a year with trucks driven on for graduation, the flea market, July 4th, etc. There is no rest period and the field is not reseeded or irrigated.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? _____

Lights in conjunction with artificial turf would allow for extended practice hours and later varsity games. However synthetic turf is a much higher priority for our program.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? _____

Youth and Bromfield lacrosse is at at significant competitive disadvantage lacking turf. Every single other town has a turf field that allows for early spring practice, reduces field closures and improves play for lacrosse including (Acton-Boxboro, Westford, Concord, Northboro-Southboro, etc. Nashoba off the top of my head. I would add turf to Mcurdy Track and Charlie Waite.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

- 1) A dedicated field for the season where we do not lose access for a week during the middle of the season. Single season sports should be prioritized in their season for the field that are best maintained.
- 2) Consistent mowing, lining and field maintainance. I applaud the DPW for mowing our field this year but they do not appear to do any other recommended maintainance like seeding or irrigation. The goal areas are unplayable and there's no way to fix without shutting down the field for a year that seems impossible.
- 3) Add a synthetic turf field.

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: _____

Thank you for your cooperation in completing this questionnaire.

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**TOWN OF HARVARD
RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

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Part of the process is to consult with the users of each facility to quantify their uses of each field or athletic facility, determine the growth trends in their program, the age of program participants, governing body for rules, etc. Additionally, it is important to obtain feedback from the users on the condition of the facilities that are being used as well as the recommended priorities for improvements.

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Please do not hesitate to contact our office with any questions at (781) 335-6465 or by email to rdt@gainc.com.

Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol Ryan D. Thackeray

Kathy D. Hervol Ryan D. Thackeray, E.I.T
Sr. Project Manager Sr. Staff Designer

Name of using agency/sport: Harvard Soccer Club

Agency point of contact information:

Name: Andrew Thomas

Phone: 617-308-7496

Email: andrewt23@gmail.com

Date: July 7, 2023

What sport is played: Soccer

What age group(s): Pre-K through grade 12+

What is the sex of the participants (m/ f/mixed): mixed

What is the total number of program participants: Most recently, 401 participants in Spring 2023, 325 participants Fall 2022

What has been the growth trend in the past 5 years? Setting aside COVID disruptions, we have seen 15-20% growth over that time period.

What do you expect for growth in the next 5 years? We expect it to be aligned to the town youth growth (ie school enrollment)

For each season, what are the number of teams fielded?

Season 1: No. Teams 35 (Fall) Ave. Players per team:

Season 2: No. Teams 40 (Spring) Ave. Players per team:

Are your number of teams currently restricted by field space? No

If so, how many more teams would you field given unlimited space? N/A

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: Yes. Approximately 5 week-long camps per year requiring one rectangular field; one in April, one June (Bronfield High School) one July, two in August (one high school led, one Challenger led). The April/school break camp has not occurred in the last few years, however we anticipate it being reinstated.

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: Approximately August 24 End Date: Approx Nov 1

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)
--	--	--

Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Upper Depot	All		We use it asap, after fields open from school use until Dusk					Games from 8 am to 4pm
Lower Depot	All		We recently have consolidated to one field (Upper) but typically split our use across Lower and Upper, otherwise teams are congested					Games from 9 am to 4pm
Charlie Waite	All	9am-1p m Mini Kickers	We use it asap, after school until Dusk.					Games from 9 am to 4pm
Park	No use in fall							
Pond	We'll use Pond in the case of field conditions closures							

Page 2

SPRING Season: Start Date: approx April 1 End Date: approx June 25

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Upper Depot	All		We use it asap, after fields open from school use until Dusk					Games from 8 am to 4pm
Lower Depot	All		We recently have consolidated to one field (Upper) but typically split our use across Lower and Upper, otherwise teams are congested					Games from 9 am to 4pm
Charlie Waite	All	9am-1p m Mini Kickers	We use it asap, after school until Dusk.					Games from 9 am to

								4pm
Park	All	1pm-7p m: games only, typically 3 games falling withing this time frame						1pm-7p m: games only, typically 3 games falling withing this time frame
Pond	We'll use Pond in the case of field conditions closures for 9v9 teams.							

SUMMER Season (if applicable): Start Date: End Date:

(see camp details above) Plus regular summer adult and youth co-ed pickup games.

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.:

Generally poor grass coverage. Uneven footing. Consistent wear spots in front of goals, center field which are typically not rebuilt in the offseason and therefore do not 'recover' (no grass whatsoever, not reseeded).

Sprinklers are not well maintained and their scheduling (turn on/off seasonally) seems inconsistent. Poor parking at Depot (road parking consistently needed on Saturdays), Waite, and Park.

Fields are not consistently aerated, overseeded, or fertilized. General issues with grass growth, which seasonally fills in with weeds. The weeds provide cover but choke out the grass, leading to coverage issues each spring.

Goals are moved for lawn care, along with sandbags, which then need to be moved back. Sandbags are not replaced causing a safety risk as they have tipped in the past and injured town kids.

In addition to the above:

Waite, Pond, Park: Poor drainage/recovery after rain.

Waite: Very uneven footing, holes often created by sprinklers.

Availability of fields in the fall with school programs is a challenge when games are held on Depot fields. These games push back the start of our practices and limit ability for about 25% of our teams to practice on time. Additionally, lack of adequate field space forces us to fit too many kids/team into constrained areas.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted?

Yes. Lights would provide about another 2 hours of practice availability in the Fall. Park is the natural fit though I understand there are resident challenges, which are inevitable. Alternatively a new field might be a better option.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf?

Yes. Our fields are often closed due to rain. For existing fields, Park would make the most sense as a) the grass destroys the track surface over time b) it is the high school primary use field, c) it is the largest field. Turf would allow consistent use across multiple sports with low weather related and wear issues.

More than converting an existing field to turf, adding a new turf field with lights would be the most appropriate in my opinion.

Page 3

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) Field seasonal maintenance –getting thick, consistent grass and a solid, level surface

2) Availability (including both time and weather -related)

3) Weekly maintenance - lining and cutting the grass. Frequently is too long during high growth times. Lining is augmented weekly by club volunteers.

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process:

- Goals are rarely moved (along with the sandbags) when the fields are mowed.
- Poison ivy and weeds along the edges of the fields are rarely dealt with, ticks and biting insects, which are a health concern as kids and adults retrieve stray balls from overgrown and swampy areas.
- Irrigation isn't started as soon as it's safe to use in the spring and isn't used throughout the growing season.
- Fencing around Charlie Waite field could prevent stray soccer balls from going into the swampy area, the far side of the field with over growth (by the condos), and the parking lot area.
- It is also a concern when children have to retrieve balls from a very active parking lot area. In addition, there is a significant amount
- Of balls that are unable to be retrieved causing a financial burden, every season, to HSC for missing balls.

Thank you for your cooperation in completing this questionnaire.

DRAFT

**TOWN OF HARVARD
RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

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Part of the process is to consult with the users of each facility to quantify their uses of each field or athletic facility, determine the growth trends in their program, the age of program participants, governing body for rules, etc. Additionally, it is important to obtain feedback from the users on the condition of the facilities that are being used as well as the recommended priorities for improvements.

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Please do not hesitate to contact our office with any questions at (781) 335-6465 or by email to rdt@gainc.com.

Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: Bromfield Girls Soccer

Agency point of contact information:

Name: Hussein Issa

Phone: (508) 736-4909

Email: issah4soccer@hotmail.com

Date: 6/26/2023

What sport is played: Girls' Soccer

What age group(s): High School - age

What is the sex of the participants (m/ f/mixed): F

What is the total number of program participants: 36

What has been the growth trend in the past 5 years? Same

What do you expect for growth in the next 5 years? Same

For each season, what are the number of teams fielded?

Season 1: No. Teams 2 Ave. Players per team: 17

Season 2: No. Teams N/A Ave. Players per team: N/A

Are your number of teams currently restricted by field space? No

If so, how many more teams would you field given unlimited space? N/A

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: No

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: 08/21 End Date: 11/16

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
<u>Pond</u>	<u>(practices)</u>		<u>3 - 5 pm</u>	<u>3 - 5 pm</u>	<u>3 - 5 pm</u>	<u>3 - 5 pm</u>	<u>3 - 5 pm</u>	
<u>Depot (lower)</u>	<u>if Pond unavail.</u>							

SPRING Season: Start Date: N/A End Date: N/A

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SUMMER Season (if applicable): Start Date: N/A End Date: N/A

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: Pond field is in poor shape and doesn't drain well because of it's location and shape as a basin. Depot (lower) field we use it when the Middle School team has a game. It also does not drain well due to all the rain water from the Upper Depot fields. Harvard Track field used for games is in poor condition too. The goalie areas - the grass is worn out and create slippery conditions after rain. It also has patches with no grass and areas with holes.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? Absolutely! Lighted fields attract more fan base and gives those parents and relatives who are unable to attend games at 4:00 pm a chance to see their kids play. Teams with no lighted fields suffer from inferiority complex when they visit opponents who have night games. I have personally heard players say, "Why can't we have fields like this?" or "It's not like our town is poorer than this!" Teams that are used to night games have more advantages, e.g. depth perception is different; more vocal fans and support; their players can go home, rest and have snacks.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? Yes. 1) Less cancellations due to rainy weather 2) Multiple sports team using the same field 3) Almost zero maintenance problems 2) Teams that have turf fields enjoy huge advantages over those with no turf fields because almost all playoffs games are played at night and on turf fields. Opposition to turf fields are like old oppositions to big malls, and electric cars. I am submitting a "nuance chart" of my previous school district (Millbury) - how the town, school, and players are benefitting from building of synthetic turf fields. I recommend

Depot fields, because they are not near houses. Parking spaces will need to be added by using less of the upper fields. Harvard field looks ideal, but it has a small parking spaces, and it's near homes.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) Poor field conditions and poor drainage. Even a few days after rain the fields are still wet and slippery near goal areas.

2) We rarely practice at our "home game" field at Harvard Park. The team doesn't enjoy home-court advantage.

3) _____

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: Turf fields and night games bring a lot of benefits to the town, school, and the sports team. The fields can be made available for rental to the MIAA tournament games, and local youth/adult teams. Players' self-esteem improves. (see attached Millbury's nuance chart). Thanks for the opportunity!

Thank you for your cooperation in completing this questionnaire.

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DRAFT

MILLBURY HIGH SCHOOL

BEFORE 2018:

<u>HOME FIELD:</u>	<u>CONDITIONS:</u>	<u>PROBLEMS & DISADVANTAGES:</u>
ELM SCHOOL	Poor drainage bad patches	Many cancellations even on light rainy days. ACL and ankle injuries due to slippery areas. Visiting teams hated playing at our home field. During away games our players had a hard time adjusting to bigger, and better turf fields. School paid to rent Clark University's turf field for first round Playoff games. BOOSTER CLUB - NO CONCESSION STAND.

AFTER 2019:

<u>ADVANTAGES:</u>
ALUMNI STADIUM
Brand-new turf new Track Lanes Night Lights
Few cancellations - only during thunderstorms. One slight ACL tear in 3 years. Visiting teams loved playing at our home field. We rented our field to schools like Sutton that still didn't have turf fields. Players got better at playing on wider turf fields. No need to rent Clark University's turf field. In 2021, we played 3 playoff games at home. Hosted preliminary game; the quarter-finals and semi-finals as MIAA tournament site even though we were designated as an AWAY TEAM. BOOSTER CLUB - GOT A CONCESSION STAND that started to generate a lot of revenue for the teams. A new and energized FAN GROUP was started by the Football players - known as " The Swamp ". With bigger revenue, the Athletic Department bought 2 mini-buses; new uniforms etc. School hired a full-time TRAINER for home games; and pre-practice taping of athletes. Teams got access to HUDL Videotaping and Analysis with Annual Subscriptions. Girls' Soccer team favorite addition - New Sound System for playing their PLAYLIST SONGS. Football; Boys' and Girls' Soccer teams shared the turf field equally for games and practices.

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RECREATIONAL FIELD NEEDS ASSESSMENT**

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Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: Bromfield Boys Soccer

Agency point of contact information:

Name: Alex Horne
Phone: 978-852-0763
Email: ahorne@psharvard.org
Date: 7/5/2023

What sport is played: soccer

What age group(s): Varsity

What is the sex of the participants (m/ f/mixed): M

What is the total number of program participants: 80

What has been the growth trend in the past 5 years? Increase

What do you expect for growth in the next 5 years? Increase

For each season, what are the number of teams fielded?

Season 1: No. Teams 3 Ave. Players per team: 20-25

Season 2: No. Teams _____ Ave. Players per team: _____

Are your number of teams currently restricted by field space? Yes

If so, how many more teams would you field given unlimited space? 1

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: yes, youth clinics in June and August. Pond field.

We pay for the field and it does not come lined, or nets on goals. Mowing was done a week earlier.

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: August End Date: November

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Depot	Upper	X	X		X		X	
Harvard Park				X		X		

SPRING Season: Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SUMMER Season (if applicable): Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: _____

Depot - not maintained well, poor service, nets are hanging off goals.

Harvard Park - rarely mowed, poor drainage, nets hanging off goals

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? YES - we should have a stadium field.
This would give flexibility with practice times and give kids an opportunity to play under the lights.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? Yes.
Fields are closed very frequently due to rain.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) More fields, a turf field would be extremely beneficial

2) Better maintained fields

3) Better communication and updates about fields.

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: Fields in Harvard are some of the poorest conditioned fields we play on throughout the season. We also have limited fields and are often sharing with another team.

Thank you for your cooperation in completing this questionnaire.

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RECREATIONAL FIELD NEEDS ASSESSMENT**

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Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol

Kathy D. Hervol
Sr. Project Manager

Ryan D. Thackeray

Ryan D. Thackeray, E.I.T
Sr. Staff Designer

Name of using agency/sport: Harvard Blues Over 40 Soccer

Agency point of contact information:

Name: Brian Lamy
Phone: 978-375-7580
Email: brilamy@hotmail.com
Date: 6/29/2023

What sport is played: Soccer

What age group(s): Over 40

What is the sex of the participants (m/ f/mixed): Male

What is the total number of program participants: 20

What has been the growth trend in the past 5 years? Flat, we maintain one team

What do you expect for growth in the next 5 years? Continue with one team in the league

For each season, what are the number of teams fielded?

Season 1: No. Teams 1 Ave. Players per team: 20

Season 2: No. Teams 1 Ave. Players per team: 20

Are your number of teams currently restricted by field space? No

If so, how many more teams would you field given unlimited space? 0

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: We keep a pick-up game/practice going through the summer months on Sunday mornings at the Depot Road Fields.

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: 8/27/2023 End Date: 11/12/2023

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Harvard Park	Field	8am - 10am						

SPRING Season: Start Date: 3/26/2023

End Date: 6/18/2023

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Harvard Park	field	8am - 10am						

SUMMER Season (if applicable): Start Date: 7/9/2023

End Date: 8/20/2023

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Depot Rd	Upper	9am - 11am						

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: _____

Grass is kept in great condition at Harvard Park. There are some bare spots in front of the goals from lots of use.

Parking and facilities are some of the best in our league. The problem with the field is drainage. With heavy rain or snow melt in the spring, the field can be left unplayable for days at a time. Most spring season home starts have to be rescheduled or moved to other locations out of town.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? _____

It certainly would. We only play on Sundays unless we need to reschedule due to field closure. When we do reschedule we need to do it during the week. We would prefer a later start time between 7 or 8 pm due to work schedules and away team travel distances.

Harvard Park would be a great location for this.

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? _____

It would increase availability during inclement weather and reduce reschedules. It also holds up to multi sport use without the needing to shut it down seasons for repair.

A turf field would allow for the other grass fields to get rested while holding up to the added traffic. Soccer is huge in Harvard and Lacross is only getting bigger. Both use the same size field and I feel that a turf field at Harvard Park would benefit both sports communities as well as others that are not currently played there. (field hockey or football)

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) Field repairs / drainage

2) Lighted athletic field or fields

3) Turf field

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: _____

Thank you for keeping an open line of communication with the adult teams in town. It hasn't always been like this. We truly appreciate your help and allowing us the opportunity to be kids again at least one day a week.

Thank you for your cooperation in completing this questionnaire.

G:\719240\01 Evaluation\field study\questionnaires\719240 Harvard Fields Assessment Questionnaire.docx

DRAFT

Name of using agency/sport: Soccer 062 Adult League

Agency point of contact information:

Name: David Henderson

Phone: 617-513-7975

Email: david@dihenderson.com

Date: 6/29/23

What sport is played: SOCCER

What age group(s): 062

What is the sex of the participants (m/ f/mixed): Male

What is the total number of program participants: 21

What has been the growth trend in the past 5 years? steady no growth - 4 adult years

What do you expect for growth in the next 5 years? it will probably remain

For each season, what are the number of teams fielded?

Season 1: No. Teams 4 Ave. Players per team: 20

Season 2: No. Teams 4 Ave. Players per team: 20

Are your number of teams currently restricted by field space? NO

If so, how many more teams would you field given unlimited space? NONE

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: SUMMER SCRIMAGES ON SUNDAY MORNINGS

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: Early Sept End Date: Early Nov

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
		10:00 AM						

SPRING Season: Start Date: Early April End Date: Early June

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
McCordy	Field	10:00 AM.						

SUMMER Season (if applicable): Start Date: _____ End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Pond Rd	Soccer	9 AM.						

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.: McCordy is generally in very good condition. There are drainage issues in the corners and "pits" in front of the goals. Grass is very good. b2

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? McCordy. However increased use would lead to wear & tear and diminish the quality of the natural grass

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? A turf field would justify lights. McCordy would be the first thought but the natural grass is what makes it special. Maybe Upper Depot for lights & turf.

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

- 1) Proper preparation for fall & spring seasons by DPW
- 2) I.E. having the fields lined, nets up for start of seasons
- 3) Access to a proper soccer field on Sunday morning for the adult soccer programs.

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process:

Soccer for the adult teams happens in both the fall and spring. There are currently 4 adult teams.

Thank you for your cooperation in completing this questionnaire.

G:\719240\01 Evaluation\field study\questionnaires\719240 Harvard Fields Assessment Questionnaire.docx

Name of using agency/sport: Bromfield Middle School Soccer

Agency point of contact information:

Name: Chris Marrese
Phone: 978 877-2297
Email: cmarrese@msn.com
Date: 7-1-23

What sport is played: Soccer

What age group(s): Grade 7-8

What is the sex of the participants (m/ f/mixed): Boys

What is the total number of program participants: 20-35

What has been the growth trend in the past 5 years? About 20 each year

What do you expect for growth in the next 5 years? 35 this year and next

For each season, what are the number of teams fielded?

Season 1: No. Teams Fall 1 team Ave. Players per team: 23

Season 2: No. Teams _____ Ave. Players per team: _____

Are your number of teams currently restricted by field space? for this season "yes"

If so, how many more teams would you field given unlimited space? _____

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: _____

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: 8-28 End Date: 10-30

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
<u>Waite</u>	<u>9r9</u>		✓	✓	✓	✓	✓	

SPRING Season: Start Date: N-A End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

SUMMER Season (if applicable): Start Date: N-A End Date: _____

Field Venue	Field No./Portion	Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.:

The field "Waite" and Perry drain poorly + fields are often closed following moderate rain. Dangerous slope in woods to retrieve balls, hole to step in, poison ivy, and bees nest in the ground.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? _____

N/A

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? _____

Yes; ① McCurdy ② Depot ③ Pond

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

- 1) Well drained fields
- 2) Enough fields for all school soccer teams
- 3) Safe wooded + bush at of bands boundaries.

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process: _____

Thank you for your cooperation in completing this questionnaire.

G:\719240\01 Evaluation\field study\questionnaires\719240 Harvard Fields Assessment Questionnaire.docx

DRAFT

N/A

Notes: McCarthy Report 10/10/10



**TOWN OF HARVARD
RECREATIONAL FIELD NEEDS ASSESSMENT**

RECREATIONAL LEADERS' QUESTIONNAIRE

Gale Associates, Inc. (Gale) was hired by the Town of Harvard to complete a Recreational Field Needs Assessment. One objective of the assessment is to provide an evaluation of each athletic facility within the Town, quantify the uses placed on each facility, and determine what recreational needs are currently not being met with the inventory of athletic facilities in Harvard today.

Part of the process is to consult with the users of each facility to quantify their uses of each field or athletic facility, determine the growth trends in their program, the age of program participants, governing body for rules, etc. Additionally, it is important to obtain feedback from the users on the condition of the facilities that are being used as well as the recommended priorities for improvements.

The following questionnaire is being provided to you in an effort to obtain important information regarding your recreational program(s) and the use of athletic facilities in the Town of Harvard. Please complete each question as accurately as possible and return via email to rdt@gainc.com.

Once we have received the completed questionnaires, we will hold a meeting for which your participation may be requested to discuss the schedules and needs of your recreational program(s). This information will be used as we move forward with recommendations as it relates to athletic facility evaluations and demand, facility enhancements, redevelopment strategies, and redistribution of athletic facility demands.

Please do not hesitate to contact our office with any questions at (781) 335-6465 or by email to rdt@gainc.com.

Thank you,

GALE ASSOCIATES, INC.

Kathleen D. Hervol Ryan D. Thackeray

Kathy D. Hervol Ryan D. Thackeray, E.I.T
Sr. Project Manager Sr. Staff Designer

Name of using agency/sport: Harvard Ultimate Club

Agency point of contact information:

Name: **Don Phillips**

Phone: **987-457-3555**

Email: **huccoaches@gmail.com**

Date: **June 28, 2023**

What sport is played: **Ultimate Frisbee**

What age group(s): **Grades 7-12**

What is the sex of the participants (m/ f/mixed): **mixed**

What is the total number of program participants: **between 16 and 30**

What has been the growth trend in the past 5 years? **Mostly Steady**

What do you expect for growth in the next 5 years? **Stable or some Growth**

For each season, what are the number of teams fielded?

Season 1: No. Teams _____ Ave. Players per team:

Season 2: No. Teams _____ One _____ Ave. Players per team: 16

Are your number of teams currently restricted by field space? No

If so, how many more teams would you field given unlimited space? One

Are there out-of-season workshops or clinics that require field space?: Explain type, number and dates, what venue is used and time used per day: **Winter indoor sessions. Weekly for Ten (10) weeks, January - March, Mill Works in Westford, 1.5 hours (weekly)**

To the best of your ability please complete the below schedule for your agency/sport. The Field Venue refers to the field site (e.g., High School) and the Field No./Name refers to the specific field at the venue.

FALL Season: Start Date: End Date:

		Timeframe for games/practices (e.g., Mon 5pm-9pm, Wed 3pm-7pm)						
Field Venue	Field No./Portion	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

Describe the general condition of each of the fields your program uses in terms of maintenance, serviceability, drainage, amenities, safety, geometry, parking/accessibility, etc.:

Drainage is excellent and the parking and accessibility is good, some seasons we need two full fields which do not quite fit on Upper Depot alone. Sometimes the field condition leaves something to be desired due to bare spots and undulation.

Would lighted fields in your community enhance field availability? Do you feel lighted fields are justified? If so, which fields in particular do you recommend be lighted? **Yes, Yes, Harvard Park**

Would synthetic turf fields in your community enhance field availability? Do you feel synthetic turf fields are justified? If so, which fields in particular do you recommend become synthetic turf? **Yes, Yes, Harvard Park or a newly acquired space**

Page 3

As the town assesses its athletic fields, what are your program's top priority needs that should be addressed?

1) Field quality and maintenance

2) Early season field accessibility

3)

Please provide any further comments or information that may be pertinent to the athletic/recreation planning process:

Thank you for your cooperation in completing this questionnaire.

DRAFT

ENCLOSURE 4

Stakeholder Meeting Minutes

DRAFT

**SCHOOL STAKEHOLDERS MEETING MINUTES**

Project Name: Recreational Field Needs Assessment

Date/Time: July 20, 2023 @ 12:00 P.M.

Location: Zoom Conference Call

Client: Town of Harvard (Town)

Gale JN: 719240

Conference Attendees:

<u>Present</u>	<u>Name</u>	<u>Company/Dep't.</u>	<u>Email</u>
X	Linda Dwight	Harvard Public Schools – Superintendent	ldwight@psharvard.org
X	David Boisvert	Bromfield School – Athletic Director	dboisvert@psharvard.org
X	Kathy Hervol	Gale Associates, Inc. (Gale) – Sr. Project Manager	kdh@gainc.com
X	Ryan Thackeray	Gale – Sr. Staff Designer	rdt@gainc.com

<u>Meeting Item/ Content</u>	<u>Item Description</u>	<u>Action Required By</u>
1.1	<p><u>General Discussion Items</u></p> <ul style="list-style-type: none">- Gale presented project scope and progress, including current data and questionnaire responses.- L. Dwight stated that the Town schools are currently under a Title IX review, which lead to renovations at Ann Lees Softball field and Ryan Land 2.- L. Dwight and D. Boisvert agreed that there is some “fatigue” in the Town on the subject of field use, as there have been multiple previous studies into the issue, without much change implemented.- L. Dwight questioned whether exploring undeveloped Town parcels to create new fields was part of this project. Gale stated that this is not in the project scope, but preliminary evaluations can be performed to benefit the Town. L. Dwight called attention to property behind the middle school as well as adjacent to the Town beach to be considered.- L. Dwight and D. Boisvert emphasized maintenance and proximity to the Bromfield School: Bromfield spends hundreds of dollars on baseballs per game as they are lost in tall grass and poison ivy, and school practices/games at Harvard Park and Ann Lees present transportation challenges.- Field rentals at Devens have been used to mitigate scheduling issues, but are not good long-term options from both a monetary and transportation standpoint.- The boy’s lacrosse program at the Bromfield School was discontinued in the last five years, but is expected to return in the coming years, increasing scheduling/maintenance issues.- Gale inquired about the overall sentiment towards synthetic turf fields. L. Dwight and D. Boisvert both voiced their support for synthetic turf, but acknowledged that there are incredibly mixed opinions in Town, and	Gale



<u>Meeting Item/Content</u>	<u>Item Description</u>	<u>Action Required By</u>
	<p>certain user groups may strongly oppose its implementation. Gale stated that we have experience working to get synthetic turf approved, but it will be up to the Town's project team to decide if that is worth pursuing.</p> <ul style="list-style-type: none"> - Gale noted that they were in the process of scheduling a similar meeting with the youth sports groups. - At L. Dwight's request, Gale provided copies of both the field assessment questionnaire and today's presentation slides. 	

These minutes have been recorded as understood by this writer. Should there be any errors or omissions, please feel free to contact me, as this document is considered to be accurate.

Respectfully submitted,

GALE ASSOCIATES, INC.

Kathleen D. Hervol/lad

Kathleen D. Hervol
Sr. Project Manager

KDH/lad

PROJECT CONTACT LIST

Town of Harvard

13 Ayer Road, Harvard, MA 01451

Office: (978) 456-4100

<u>Name</u>	<u>Role</u>	<u>Phone</u>	<u>Email</u>
Marie Sobalvarro	Assistant Town Administrator	(978) 456-4100 x312	msobalvarro@harvard-ma.gov
Marisa Steele	Parks and Rec Commission Member		msteele01451@gmail.com
Bob O'Shea	Parks and Rec Commission Chair		roshea01451@gmail.com
Rich Maiore	Select Board Chair		rdmaiore@gmail.com
Don Ludwig	Select Board Member and Clerk		don.ludwig@gmail.com

Gale Associates, Inc.

300 Ledgewood Place, Suite 300, Rockland, MA 02370

Office: (781) 335-6465

<u>Name</u>	<u>Role</u>	<u>Phone</u>	<u>Email</u>
Kathleen Hervol	Sr. Project Manager	C: (508) 259-3534	kdh@gainc.com
Ryan Thackeray	Sr. Staff Designer	C: (774) 578-5952	rdt@gainc.com

**COACHES STAKEHOLDERS MEETING MINUTES**

Project Name: Recreational Field Needs Assessment

Date/Time: August 24, 2023 @ 6:00 P.M.

Location: Teams Conference Call

Client: Town of Harvard (Town)

Gale JN: 719240

Conference Attendees:

<u>Present</u>	<u>Name</u>	<u>Company/Dep't.</u>	<u>Email</u>
X	Charles Oliver	Harvard Select Board Member	coliver01451@gmail.com
X	David Henderson	Harvard Over 60 Men's Soccer	david@dlhenderson.com
X	Jim Peirce	Bromfield Girl's Lacrosse	triathlonjimmy@gmail.com
X	Peter Joseph-Kelley	Harvard Youth Lacrosse	p.kellyjoseph@gmail.com
X	Anne McWaters	Harvard Recreation Director	anne_mcwaters@yahoo.com
X	Matt Benway	Bromfield Varsity Softball	mbenway01451@gmail.com
X	Andrew Thomas	Harvard Soccer Club President	andrewt23@gmail.com
X	James O'Leary	Harvard Youth Baseball/Softball President	jamesoleary81@yahoo.com
X	Stuart Sklar	Community Preservation Committee (CPC) Chair	sasklar@charter.net
X	Sue Reedich		suereedich@gmail.com
	Marie Sobalvarro	Harvard Assistant Town Administrator	msobalvarro@harvard-ma.gov
X	Marisa Steele	Harvard Parks and Rec Commission Member	msteele01451@gmail.com
X	Kathy Hervol	Gale Associates, Inc. (Gale) – Sr. Project Manager	kdh@gainc.com
X	Ryan Thackeray	Gale – Sr. Staff Designer	rdt@gainc.com

New Business:

<u>Meeting Item/ Content</u>	<u>Item Description</u>	<u>Action Required By</u>
1.1	<p><u>General Discussion Items</u></p> <ul style="list-style-type: none">- Gale presented project scope and progress, including use data analysis, questionnaire responses, and concept plans.- A. Thomas disagreed with the statement "field maintenance cannot keep up with field overuse", stating that not enough maintenance is performed on the fields, and the fields could potentially be in better condition or allow for increased use with a more in depth/robust maintenance plan.- M. Benway and J. Pierce agreed with and emphasized the point that the existing fields in the town put their players at a competitive disadvantage.- Field availability was discussed, as the current charts/tables assume all existing fields are usable, which is not always the case (e.g., Lower Depot field being closed for 2023 to allow the turfgrass to recover).- Lighting permitting was discussed. Gale stated that the lighting typically specified for athletics appears to meet the Town's lighting regulations (bulb type, shielding, directing of rays), but may require a Special Permit from the Planning Board or Zoning Board of Appeals due to their height (typically 80 ft).	Record



<u>Meeting Item/Content</u>	<u>Item Description</u>	<u>Action Required By</u>
1.2	<p><u>Turf Conversions</u></p> <p>The concept of turf conversions was discussed, with the following main points:</p> <ul style="list-style-type: none"> - A single converted turf field with lights typically accounts for three (3) natural grass fields. - The current concept plans may increase the overall use capacity of the Town's fields, but it would not increase the overall space available for sports at one time (e.g., allowing all youth soccer teams to play on Sunday mornings). - The turf conversion process typically takes ~12 weeks and is usually completed during the summer months. - There was disagreement between meeting attendees on the likelihood of voters agreeing to install synthetic turf. Some parties agreed that the proposition would be difficult to advance, but not impossible. Gale stated that they have experience working with the public on perceptions related to synthetic turf. 	Record
1.3	<p><u>Possible New Athletic Venues</u></p> <p>The potential for a new athletic venue being constructed was discussed, either on existing Parks and Recreation property or other available property. Gale stated that exploring other parcels is not part of the current project scope. The Town stated this issue has been researched within the Town, with little success. There is a large area north of Harvard Park that is owned by Parks and Recreation and is currently being evaluated to determine development feasibility, although a notable portion of the site appears to be wetlands.</p>	Record
1.4	<p><u>Additional Items</u></p> <p>Meeting attendees inquired about a final presentation from Gale to the Town. Gale stated that a final presentation is not part of the current scope, but they would be open to the possibility. Some attendees felt that the presented use data and deficit analysis, paired with the recording of this meeting, could serve as a suitable final presentation, and provides enough information for the Town and athletic coaches to pursue solutions.</p> <p><u>Post Meeting Note:</u> The Town inquired about future uses being incorporated into the field assessment. Gale noted that this topic was not addressed due to the limited information from the questionnaire responses. Gale will evaluate the feasibility of predicting future uses based on Town population trends.</p>	Gale



These minutes have been recorded as understood by this writer. Should there be any errors or omissions, please feel free to contact me, as this document is considered to be accurate.

Respectfully submitted,

GALE ASSOCIATES, INC.

*Kathleen D. Hervol*_{cmh}

Kathleen D. Hervol
Sr. Project Manager

KDH/cmh

CC: Contact List

PROJECT CONTACT LIST

Town of Harvard

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Marie Sobalvarro	Assistant Town Administrator	(978) 456-4100 x312	msobalvarro@harvard-ma.gov
Marisa Steele	Parks and Rec Commission Member		msteele01451@gmail.com
Bob O'Shea	Parks and Rec Commission Chair		roshea01451@gmail.com
Rich Maiore	Select Board Chair		rdmaiore@gmail.com
Don Ludwig	Select Board Member and Clerk		don.ludwig@gmail.com

Gale Associates, Inc.

300 Ledgewood Place, Suite 300, Rockland, MA 02370

Office: (781) 335-6465

<u>Name</u>	<u>Role</u>	<u>Phone</u>	<u>Email</u>
Kathleen Hervol	Sr. Project Manager	C: (508) 259-3534	kdh@gainc.com
Ryan Thackeray	Sr. Staff Designer	C: (774) 578-5952	rdt@gainc.com

ENCLOSURE 5

Field Use Data, Demand Analysis, and Field Deficiencies

DRAFT

Town of Harvard Athletic Fields Needs Assessment		FIELD USE EVALUATION - CURRENT USE DATA (Scheduled Team Uses)									
User Demand Statistics											
		1	2	3	4		5		7	8	
User Organization	User Totals	Ann Lees	Harvard Park	Charlie Waite	Ryan Land Park		Depot		Bromfield Field	Pond Road	
		60' Softball	Full MPR	Full MPR	1 60' Baseball	2 60' Softball	Upper Full MPR	Lower Full MPR	Full Size MPR	A 90' Baseball	B Full MPR
TOWN YOUTH BASEBALL & SOFTBALL	957	297			363	297					
TOWN YOUTH LACROSSE	187							40	147		
TOWN YOUTH SOCCER	1051		72	336			288	272			83
TOWN ADULT SOCCER	99		74					15			10
SUMMER SOCCER	22		12				10				
ULTIMATE CLUB	98		29					69			
BROMFIELD - SOFTBALL	140	70				70					
BROMFIELD - FIELD HOCKEY	187								187		
BROMFIELD - LACROSSE	156		69						87		
BROMFIELD - SOCCER	531		69	58			139	139			126
BROMFIELD - BASEBALL	173									173	
TOWN FESTIVALS	20								20		
Totals	3621	367	325	394	363	367	437	535	441	173	219

Town of Harvard Athletic Fields Needs Assessment			FIELD USE EVALUATION - EQUIVALENT USES									
User Demand Statistics												
			1	2	3	4		5		7	8	
User Organization	User Totals	Equivalent Use Factor	Ann Lees	Harvard Park	Charlie Waite	Ryan Land Park		Depot		Bromfield Field	Pond Road	
			60' Softball	Full MPR	Full MPR	1 60' Baseball	2 60' Softball	Upper Full MPR	Lower Full MPR	Full Size MPR	A 90' Baseball	B Full MPR
TOWN YOUTH BASEBALL & SOFTBALL	717.75	0.75	222.75			272.25	222.75					
TOWN YOUTH LACROSSE	233.75	1.25							50	183.75		
TOWN YOUTH SOCCER	1051	1		72	336			288	272			83
TOWN ADULT SOCCER	99	1		74					15			10
SUMMER SOCCER	22	1		12				10				
ULTIMATE CLUB	73.5	0.75		21.75					51.75			
BROMFIELD - SOFTBALL	105	0.75	52.5				52.5					
BROMFIELD - FIELD HOCKEY	280.5	1.5								280.5		
BROMFIELD - LACROSSE	195	1.25		86.25						108.75		
BROMFIELD - SOCCER	531	1		69	58			139	139			126
BROMFIELD - BASEBALL	129.75	0.75									129.75	
TOWN FESTIVALS	40	2								40		
Totals	3478		275	335	394	272	275	437	528	613	130	219

Field Deficit Data - Based on Equivalent Use

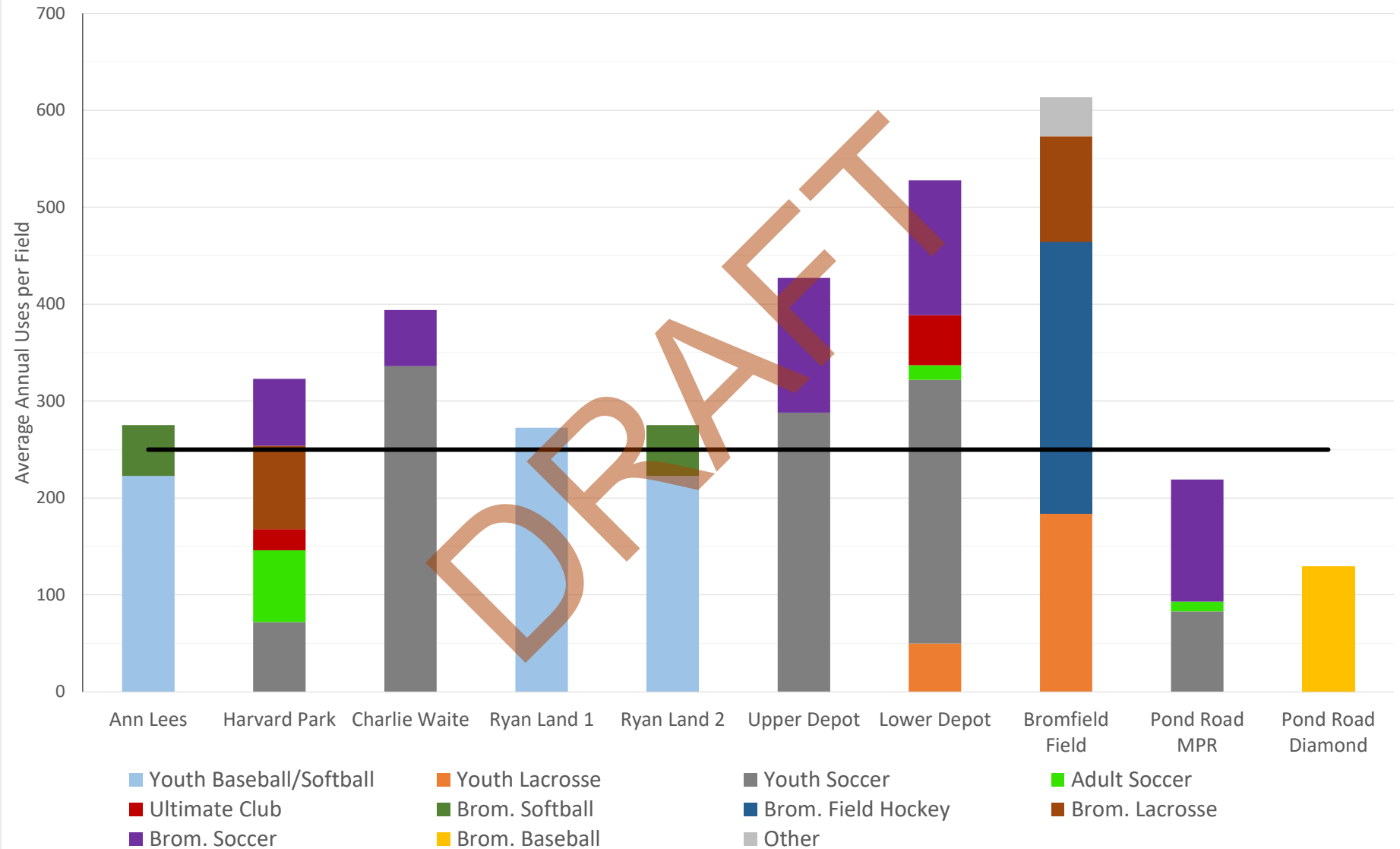
Town of Harvard Athletic Fields Needs Assessment

Use Type	Total Uses	Avg use per Field	Total Fields Needed	Total Fields Needed Rounded	Current No. of Fields	Field Deficit
60' Diamond	823	274	3.3	4	3	1
90' Diamond	130	130	0.5	1	1	0
MPR - Full	1219	406	4.9	5	3	2
MPR - Youth	1307	261	5.2	6	5	1

Note: Fields needed and field deficit data is based on natural grass. Synthetic turf with lights can count for three (3) natural turf fields

DRAFT

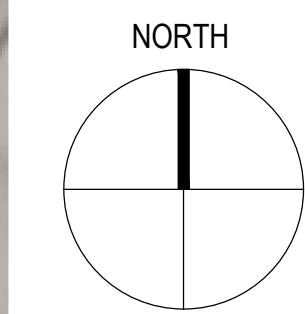
Field Users



ENCLOSURE 6

Conceptual Plans and Cost Estimates

DRAFT



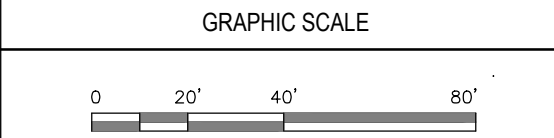
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Boston Baltimore Orlando Hartford Bedford

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CONCEPTUAL

PROJECT
RECREATIONAL FIELD NEEDS ASSESSMENT
TOWN OF HARVARD
HARVARD
MASSACHUSETTS, 01451
OWNER
TOWN OF HARVARD
13 AYER ROAD
HARVARD, MA 01451

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	719240		
CADD FILE	719240_C101		
DESIGNED BY	RDY		
DRAWN BY	RDY		
CHECKED BY	KDH		
DATE	8/18/2023		
DRAWING SCALE	1" = 40'		



SHEET TITLE
HARVARD PARK
CONCEPTUAL LAYOUT

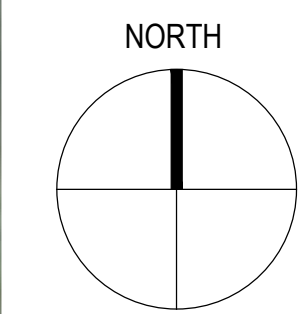
DRAWING NO.
C101
OF

Conceptual Cost Estimate

HARVARD FIELD NEEDS ASSESSMENT - Harvard Park

Gale JN: 719240 (8/28/2023)

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST
1	GENERAL CONDITIONS					\$ 298,834.22
a	General Conditions/Bonds and Insurance (10%)	LS	1	\$ 223,834.22	\$ 223,834.22	
b	Mobilization / Demobilization	LS	1	\$ 75,000.00	\$ 75,000.00	
2	EROSION CONTROL / SITE PREPARATION / DEMOLITION					\$ 146,427.78
a	Site Protection	LS	1	\$ 10,000.00	\$ 10,000.00	
b	Strip and Haul Topsoil (Assume 12")	CY	3,196	\$ 12.00	\$ 38,357.78	
c	Remove and Dispose of Existing Track Surfacing	LS	1	\$ 15,000.00	\$ 15,000.00	
d	Reclaim Existing Track Pavement	SY	6,807	\$ 10.00	\$ 68,070.00	
e	Existing Irrigation and Drainage Demolition	LS	1	\$ 15,000.00	\$ 15,000.00	
3	SYNTHETIC TURF CONSTRUCTION					\$ 738,418.01
a	Prepare Sub-base, Shape and Compact	SY	9,589	\$ 2.25	\$ 21,576.25	
b	Crushed Stone Base Under Field (10")	TON	3,996	\$ 38.00	\$ 151,832.87	
c	Synthetic Turf w/ Organic Infill	SF	86,305	\$ 6.00	\$ 517,830.00	
d	Turf Striping Sports	EA	4	\$ 7,000.00	\$ 28,000.00	
e	Geotextile Separation Layer	SY	9,589	\$ 2.00	\$ 19,178.89	
4	CURBING					\$ 130,159.80
a	Cast-in-Place Concrete Turf Anchor Curb	LF	441	\$ 42.00	\$ 18,517.80	
a	Cast-in-Place Concrete Curb w/ ACO 2000 Slot Drain	LF	573	\$ 80.00	\$ 45,816.00	
a	Cast-in-Place Concrete Curb w/ ACO 4000 Trench Drain	LF	731	\$ 90.00	\$ 65,826.00	
5	TRACK SURFACE CONSTRUCTION					\$ 493,831.64
a	Prepare Sub-base, Shape, and Compact	SY	6,807	\$ 2.25	\$ 15,315.75	
a	Pavement (1.5" Binder Course and 1.5" Wearing Course)	TON	1,013	\$ 170.00	\$ 172,200.89	
a	Track Surfacing and Striping (BSS-100, Red)	SY	6,807	\$ 45.00	\$ 306,315.00	
6	TURF FIELD DRAINAGE					\$ 91,000.00
a	Drainage Allowance	LS	1	\$ 91,000.00	\$ 91,000.00	
7	FENCING					\$ 42,505.00
a	4' Chain Link Fence	LF	137	\$ 65.00	\$ 8,905.00	
b	20' Safety Netting	LF	240	\$ 140.00	\$ 33,600.00	
8	ATHLETIC EQUIPMENT					\$ 20,000.00
a	Sport Goals	LS	1	\$ 20,000.00	\$ 20,000.00	
9	TRACK AND FIELD EQUIPMENT					\$ 26,000.00
a	Shot Put Landing Area	LS	1	\$ 7,500.00	\$ 7,500.00	
b	Pole Vault Box	LS	1	\$ 500.00	\$ 500.00	
c	Jump Pits with Sand Catchers and Covers	EA	2	\$ 9,000.00	\$ 18,000.00	
10	SCOREBOARD					\$ 50,000.00
a	Scoreboard	EA	1	\$ 50,000.00	\$ 50,000.00	
11	LIGHTING					\$ 500,000.00
a	MUSCO Package w/ Four Poles	LS	1	\$ 500,000.00	\$ 500,000.00	
					OVERALL SUBTOTAL:	\$ 2,537,176.45
					CONTINGENCY (25%):	\$ 634,294.11
					ENG/CPS SERVICES (10%):	\$ 253,717.65
					TOTAL:	\$ 3,425,188.21



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CONCEPTUAL

PROJECT
RECREATIONAL FIELD NEEDS ASSESSMENT
TOWN OF HARVARD
HARVARD
MASSACHUSETTS, 01451
OWNER
TOWN OF HARVARD
13 AYER ROAD
HARVARD, MA 01451

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	719240		
CADD FILE	719240_C101		
DESIGNED BY	RDY		
DRAWN BY	RDY		
CHECKED BY	KDH		
DATE	8/18/2023		
DRAWING SCALE	1" = 40'		

GRAPHIC SCALE

SHEET TITLE

UPPER DEPOT FIELD
CONCEPTUAL LAYOUT

DRAWING NO.
C102
OF

Conceptual Cost Estimate

HARVARD FIELD NEEDS ASSESSMENT - Upper Depot

Gale JN: 719240 (8/28/2023)

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST
1	GENERAL CONDITIONS					\$ 236,830.01
a	General Conditions/Bonds and Insurance (10%)	LS	1	\$ 161,830.01	\$ 161,830.01	
b	Mobilization / Demobilization	LS	1	\$ 75,000.00	\$ 75,000.00	
2	EROSION CONTROL / SITE PREPARATION / DEMOLITION					\$ 43,021.78
a	Site Protection	LS	1	\$ 10,000.00	\$ 10,000.00	
b	Strip and Haul Topsoil (Assume 12")	CY	2,752	\$ 12.00	\$ 33,021.78	
3	SYNTHETIC TURF CONSTRUCTION					\$ 690,148.34
a	Prepare Sub-base, Shape and Compact	SY	8,255	\$ 2.25	\$ 18,574.75	
b	Crushed Stone Base Under Field (10")	TON	3,440	\$ 38.00	\$ 130,711.20	
c	Synthetic Turf w/ Organic Infill	SF	74,299	\$ 6.00	\$ 445,794.00	
d	Turf Striping Sports	EA	4	\$ 7,000.00	\$ 28,000.00	
e	Geotextile Separation Layer	SY	8,255	\$ 2.00	\$ 16,510.89	
f	Turf Perimeter Curb	LF	1,124	\$ 45.00	\$ 50,557.50	
4	TURF FIELD DRAINAGE					\$ 79,000.00
a	Drainge Allowance	LS	1	\$ 79,000.00	\$ 79,000.00	
5	FENCING					\$ 133,880.00
a	Perimeter Fencing and Gates	LF	1,124	\$ 80.00	\$ 89,880.00	
b	25' Chain Link Backstop	LS	1	\$ 20,000.00	\$ 20,000.00	
c	20' Safety Netting	LF	200	\$ 120.00	\$ 24,000.00	
6	ATHLETIC EQUIPMENT					\$ 20,000.00
a	Sport Goals	LS	1	\$ 20,000.00	\$ 20,000.00	
7	BASEBALL EQUIPMENT					\$ 52,250.00
a	Bases	LS	1	\$ 750.00	\$ 750.00	
b	Portable Pitcher's Mound	LS	1	\$ 10,000.00	\$ 10,000.00	
c	Portable Foul Poles	EA	2	\$ 750.00	\$ 1,500.00	
d	Covered Dugouts with Concrete Pads	EA	2	\$ 20,000.00	\$ 40,000.00	
8	ATHLETIC LIGHTING					\$ 600,000.00
a	MUSCO Package w/ Five Poles	LS	1	\$ 600,000.00	\$ 600,000.00	
					OVERALL SUBTOTAL:	\$ 1,855,130.13
					CONTINGENCY (25%):	\$ 463,782.53
					ENG/CPS SERVICES (10%):	\$ 185,513.01
					TOTAL:	\$ 2,504,425.68