



PHOTO CREDIT SCITUATE LITTLE LEAGUE BASEBALL



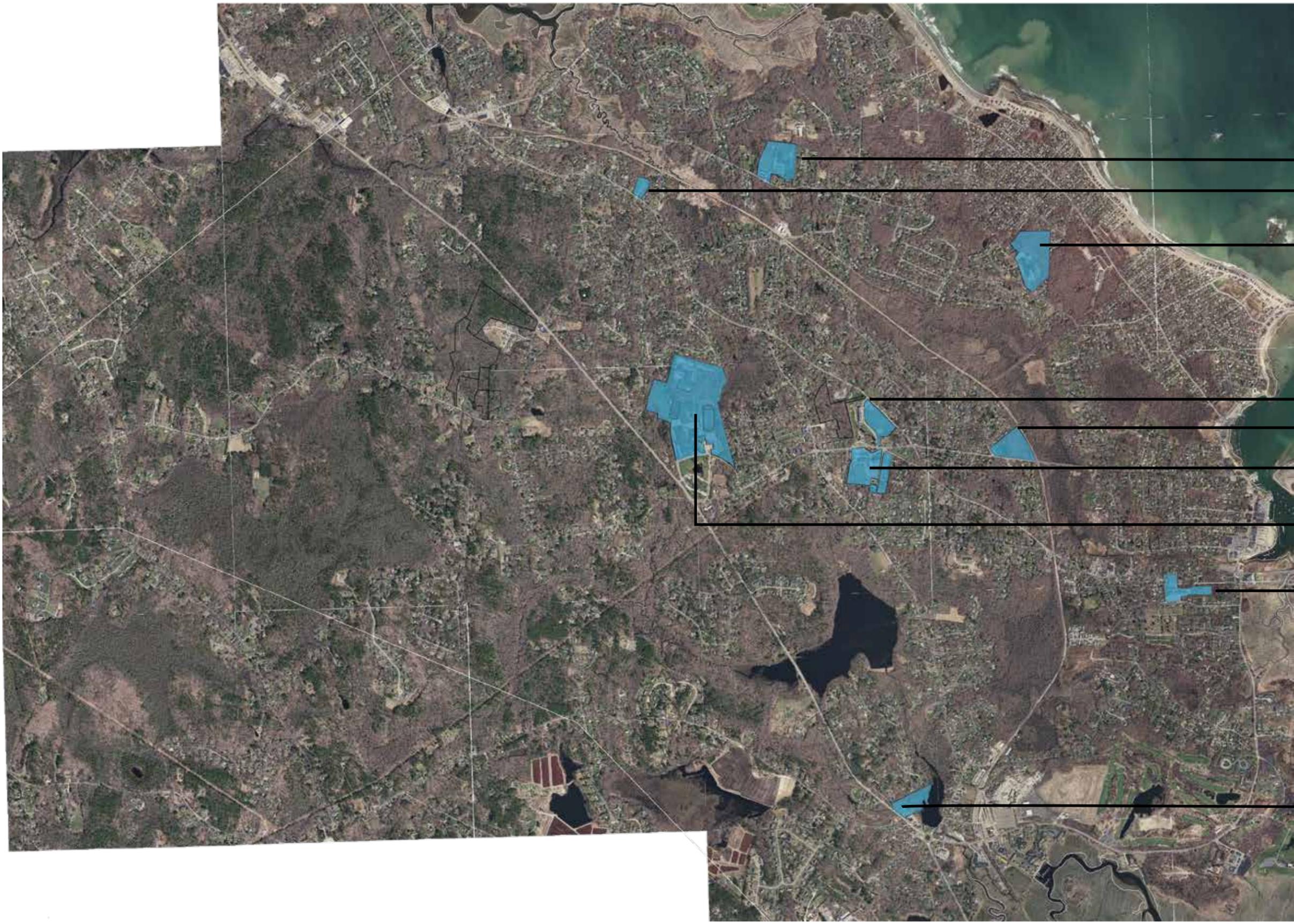
CHAPTER A

Introduction and Executive Summary

Overview

The master plan process began in November 2017 in recognition of the necessity to prepare a master plan for town-owned outdoor athletic fields and other town-owned parcels that may potentially be developed for future athletic field use. The purpose of the master plan is to develop a strategy for investment and to provide the greatest improvement to athletic programs as funds become available. The master plan provides an assessment of the current athletic fields and projected recreational needs to guide future programmatic decisions and capital improvement planning. The planning process included an inventory and evaluation of the existing conditions as well as concepts and recommendations for potential improvements. The sites included in the master plan are Central Fields, Cudworth, Cushing School field, Flannery Field, Gates Fields, Greenbush Field, Heatherly (back field), Jenkins School Field, Purple Dinosaur, Roach Field, Wampatuck Field.

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- Hatherly School and Flannery Field
- Purple Dinosaur Park
- Wampatuck School Fields
- Central Fields
- Roach Field
- Gates Field
- Cudworth Fields
- SHS Fields
- Cushing Field
- Jenkins School Field
- Greenbush Field

Key Findings: Information was provided to Traverse Landscape Architects by the committee indicating current field usage and overall participants. Our overall findings of this report are consistent with previous findings of the committee.

1. The athletic fields in the Town of Scituate are intensely overused. This can be seen by both the hours the town recreation uses and the hours that the Scituate High School uses the athletic spaces. This has led to a decrease in the playability on fields throughout the town and an increased demand for maintenance on fields.

2. Most fields are on school sites and not protected by parks and recreation property status. This should be carefully administered in the future as changes in school properties can lead to loss of fields within the town. This is currently occurring as the town decides the future of the Gates Middle School.

Protected Parcels – Land is considered protected, at the basic level, if it is municipally owned and managed. In addition, if a nonprofit entity, with a mission similar to the above local organizations (i.e., the protection of land for conservation and open space interests), owns the land, it is considered “protected” by the Town. However, these lands do not have management agreements or deed restrictions that specify the use of the property (e.g., as conservation land or open space land rather than another use).

Permanently Protected - Land is considered permanently protected if the Town of Scituate (e.g., Conservation Commission, Recreation Division, Public Works Department including the Water or Sewer Departments), Community Preservation Committee, Maxwell Conservation Trust, or other public or private entity owns the land and a deed/conservation restriction has been filed at the County Registry of Deeds specifying that the land has been reserved in perpetuity as open space and devoted to conservation purposes. See Scituate Open Space and Recreation Plan for more information. Fields that are on school sites must give first right to hours of use to the schools.

3. The town fields are focused heavily on baseball and little league. While usage statistics supports these types of spaces, the town does not have a balance of fields to equally support boys and girls sports, specifically softball. Spaces need to develop to create equity throughout the community.

4. Most of the fields in town are in need of major renovation or replacement. This is due to the major use of fields. This needs to be

rectified through an increase in spaces that can sustain more use, allowing for the resting and repair of fields.

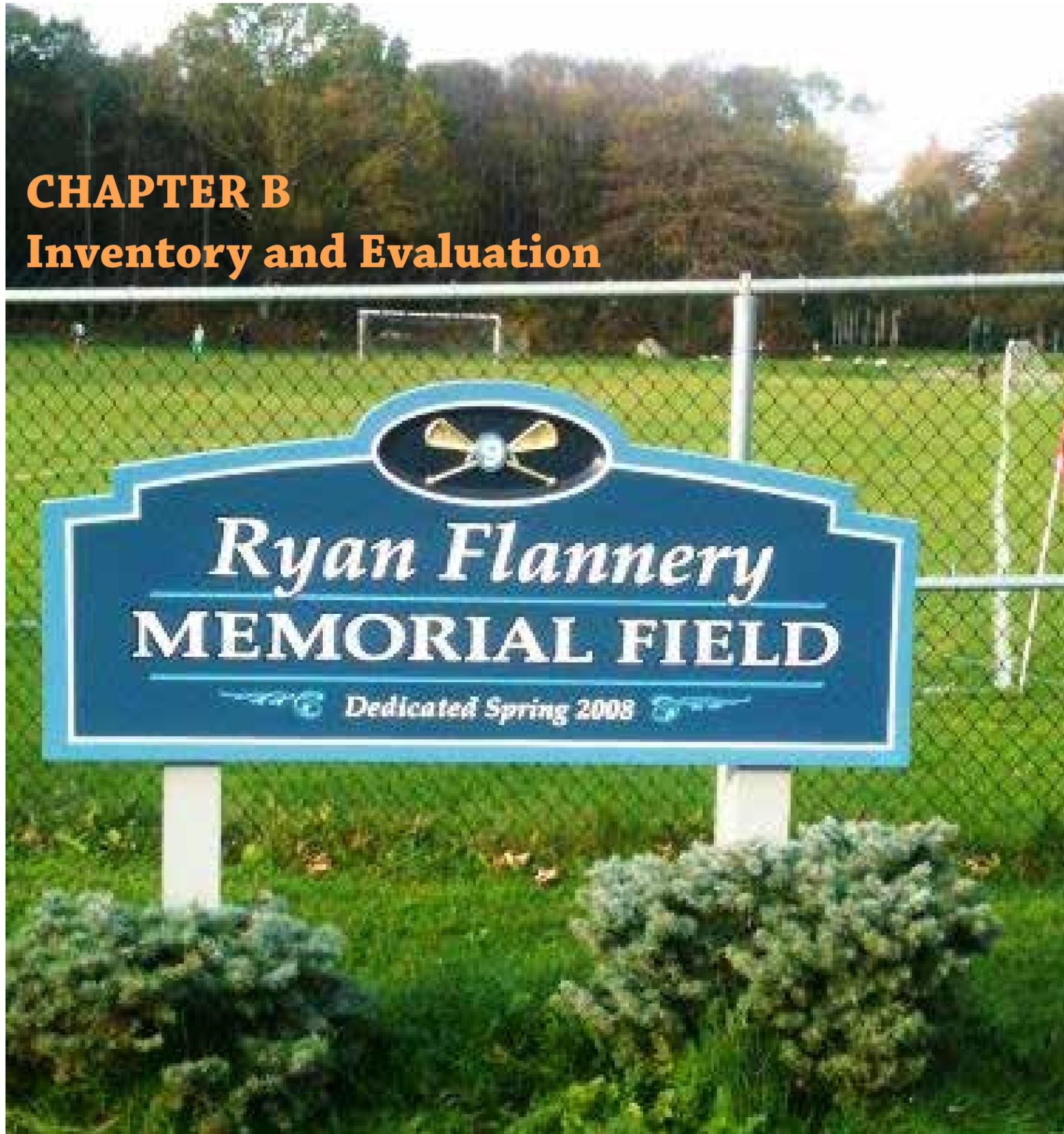
5. A regular maintenance program including resting periods as outlined should be implemented to enhance the playability of existing natural turf surfaces in the short term. Additionally, this will increase the safety of play on these spaces and make the use of the fields enjoyable for all users. Lastly, a regular maintenance plan allows for more reasonable funding requests as opposed to larger requests in long-term intervals.

6. The town is in need of additional fields to support town and High School Usage. The replacement of the existing field at the high school and the addition of another synthetic field will help to address the Title IX issue at the school, provide additional space to provide all of the hours of use required by current programs, and allow for the maintenance and rest of other fields as the community adjusts its maintenance schedules.

7. There are three additional parcels of land that were identified and provided by the committee to Traverse Landscape Architects during this study (Clapp Road, behind the public library, and adjacent to the football field and Cushing Field). While it was not part of the directive to evaluate these parcels as part of the study, we did include them as reference as they do create the potential expansion for future recreation and athletic spaces.

CHAPTER B

Inventory and Evaluation



Overview of existing conditions

This chapter documents the existing conditions and needs that influence the types and number athletic recreation facilities, that are needed in the community. This phase of the Athletic Master Plan documents the demand for services from current and future residents in association with the inventory of existing facilities and highlights potential areas of shortfall or oversupply and concerns with maintenance and aging facilities. The documented evaluation information will in turn give direction to future master plan recommendations. Identifying levels of satisfaction, perceptions, use patterns, and priorities for recreational programs and facilities through contact with the Scituate Athletic Steering Committee was an important part of this process. Accurately assessing the needs of the community requires a diverse approach, using many different techniques to gather information. Collectively, the data from these various sources creates a picture of what is needed and desired within Scituate, and can serve as the basis from which to develop a list of projects, priorities and actions, which will be the next step in this planning process.

The primary findings of the inventory and evaluation show an extreme overuse of the high level fields within Scituate. The SHS fields make up a majority of the level 1 and 2 field construction within Scituate, while these fields support a higher level of use due to their make up, the hours used by town recreation programs plus a 3.5 hour use period 5 days a week for 14 weeks in spring and fall by SHS programs indicate hours exceeding the recommended use for these fields by almost 200%. Other fields such as Central Softball 1 and Flannery field also begin to approach over use based on the hours used by Scituate recreation and youth organizations. The recommendations section of this report will address construction types, maintenance and hours of use with the recommendations for each facility.

Field	# Org using annually	# participants	Conditions	Safety
Purple Dinosaur	2	1160	0	0
SHS Back Field	6	1884	1.17	1.17
Central SB1	5	1270	1.25	0.88
Central SB2			1.25	0.88
Cushing	3	1641	1.5	2
Hatherly (back)	1	200	1.5	1.5
SHS Quad	5	256	1.6	1.6
Central Field	3	1955	1.67	2.33
Flannery	4	2699	1.67	2.33
Gates Baseball	4	885	2	1.75
Wampatuck	4	831	2	2
Cudworth*	4	1801	2	2.33
SHS JV Field (includes football)	4	935	2.5	1.5
Gates Multiuse	6	2564	2.5	3
SHS Turf	20	3000	3.65	3.7
SHS Baseball Field	6	1177	3.83	4.33
Greenbush	1	641	5	5
Roach	1	641	5	5
Jenkins	1	1000	n/a	n/a

* not town owned

All Field Use Analysis

Field	Spring	Summer	Fall	Total
Central Softball #1	285	213	285	783
Central Softball #2	285	90	285	660
Central Multi	135	78	108	321
Cudworth	90	42	90	222
Flannery Field	231	141	0	372
Gates Baseball/Softball	198	78	555	831
Gates Multi	231	216	90	537
Greenbush Baseball	210	0	210	420
Hatherly Backfield	120	0	0	120
Jenkins	36	33	180	249
Purple Dinosaur	0	0	0	0
Roche	210	9	0	219
SHS Backfield	213	144	30	387
SHS Varsity Baseball	234	183	240	657
SHS JV Baseball	225	0	150	375
SHS Turf	327	282	39	648
Wampatuck	6	0	0	6
				6807

Assumes a 6 week season and that each hour = a "use"
Study online suggests properly maintained field can accommodate 250 uses.

Tables part of study by Scituate Field Use Sub-committee

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Facility	Address	Field Type	Field Construction	Overlay/Type	Recommended Maintenance Level
Central SB1	63 Branch St	Softball	3	Soccer	4
Central SB2	63 Branch St	Softball	3	Soccer	4
Cudworth	327 First Parish Rd.	T-Ball (2)	4	Soccer U-8	2
Cushing	1 Aberdeen Dr	Field Hockey	2	None	4
Flannery	72 Ann Vinal Rd.	Soccer/Multi-use	2	None	4
Gates	327 First Parish Rd.	Soccer/Multi-use	3	Little League	3
Greenbush	276 Chief Justice Cushing Highway	Little League BB	2	None	4
Hatherly	72 Ann Vinal Rd.	Multi-use	4	None	2
Jenkins	54 Vinal Ave.	Multi-use	4	None	2
Puple Dinosaur	618 Country Way	Multi-Use	4	Little League	1
Scituate High School					
Baseball		Baseball	2	None	4
JV Baseball		Baseball	3	Football JV	3
Soccer/Multiuse		Soccer/Multi-use	3	None	3
Roach	1 Clifton Ave	Little League BB	2	None	4
Wampatuck	266 Tilden Rd.	Multi-use	4	Little League	1

Field Construction Type	Field Construction	Recommended Primary Use	Recommended Number Weekly Events	Avg Hours of Use Weekly
1 Synthetic	Synthetic	Game	25	38
2 Engineered/Irrigated	Engineered and Irrigated	Game	18	27
3 Engineered/non irrigated	Engineered non-irrigated	Game/Practice	13	20
4 Non Engineered/Irrigated	Non-Engineered Irrigated	Practice Low Level Games	12	18
5 Non Engineered/Non Irrigated	Non-Engineered Non-Irrigated	Practice Only	9	14



CENTRAL FIELDS

SITE DATA SUMMARY

Address	63 BRANCH ST.
Classification Authority	Scituate Housing
Neighborhood or District	
Zone	R2
Acreage	6.63
Wetlands	None
Easements or R.O.W	None
Flood Zone	x
Parking Quantity & Materials	32 Stalls, Gravel

User Groups	Softball, Soccer, Multi-use
Utilities and Infrastructure	Unknown
Irrigation	Yes Older system
Facilities and Features	2 Full size softball fields with mounds for various ages and levels of play. 1 Full size soccer overlay on Central softball 2 and 2 U-10 Soccer Fields as overlays to Central softball 1



EXISTING CONDITIONS EVALUATION

Overall - Fields are in fair condition see maintenance inspection checklist for details. Fields have a decent stand of grass with patchy broadleaf weeds throughout and bare spots in high use areas. Softball field 1 has been recently had a partial renovation this included the infield but did not include grading of the entire site. Because grading for the site could not be included grading continues to move on site water across the infield toward home plate causing the infield surface to retain water for longer periods of time than an ideal grading configuration. Mounds and Home Plate areas were in need of repair.

Opportunities- Large Centrally located open space that is largely dedicated to the use of Athletics.
Constraints- Limited amount of dedicated parking for a facility of this size.

Beneficial Adjacencies - Scituate Housing Authority, Scituate Library, Scituate Intermediate School

Neighboring Land Use- Residential

Vehicular Circulation & Parking- Branch is the main roadway adjacent to the site. A medium volume roadway with good accessibility. Central Park Drive is a lower volume roadway, with on road parking directly adjacent to the Western edge of the site.

Pedestrian Circulation-There is no formalized circulation beyond the parking areas.

Access Control- The site is not fully enclosed by any fence structure or wall. Allowing access to all user groups and adjacent residential at various times of the day.

Athletic Field Equipments- 2 Softball Backstops and chainlink Dugouts, Portable Soccer netting.

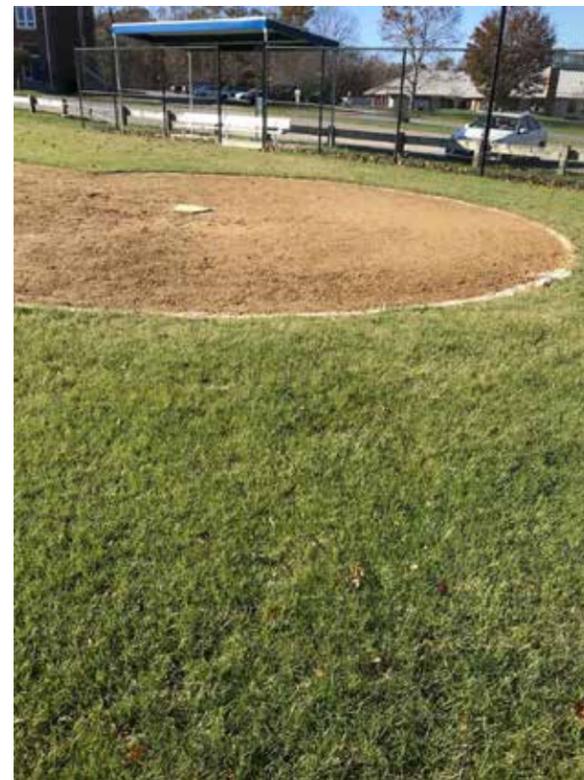
Vegetation-

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CENTRAL FIELD - BRANCH STREET
1" = 50'

Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Central Fields	
Date: 11/17/17	
Inspected By: Justin Robertshaw and Arthur Eddy	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
x	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
x	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
x	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.



	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
x	Field is mostly level with some uneven high or low spots that will impede surface drainage.
	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
x	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin. Skin is in good condition but does not drain to the outfield. This may cause some issues with skin playability in the spring or after a heavy rain
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
x	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
x	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep. Home plate shows some major wear on SB2 and is in need of repair
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
x	The infield mix makes a smooth transition to the turf areas. SB1
x	The infield mix to turf transition has a lip in some locations but does not exceed 3" high. SB2

	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.
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I. Bleachers / Benches

	Hardware and bracing are structurally sound and intact.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.

J. Field Accessories

x	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.

K. Fences / Netting / Screens

	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
x	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes

K. Dugouts

x	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
x	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports



L. Lights

	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.

M. Trash / Recycling Receptacles

	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.

N. Signage

	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.

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CUDWORTH FIELDS

SITE DATA SUMMARY

Address	327 First Parish Rd
Classification	Cemetery
Neighborhood or District	
Zone	R2
Acreeage including parts of the cemetery.	3.54 acres
Wetlands	None
Easements or R.O.W Protection Area Overlay	Water Resource
Flood Zone	x
Parking Quantity & Materials	32 Stalls, Gravel

User Groups	Youth Baseball, Soccer,
Utilities and Infrastructure	Unknown
Irrigation	Unknown no evidence found during site inspection
Facilities and Features	2 Little League Baseball/ T-ball fields with backstops
Structures and Supporting Amenities	

EXISTING CONDITIONS EVALUATION

Overall - Fields are in poor condition see maintenance inspection checklist for details. Fields have a patchy stand of grass with significant broadleaf weeds throughout. Slopes and Drainage are the major draw backs to these fields. Fields also have exposed boulders within the field of play creating a potential safety concern. These fields should be considered for lower level use and with minimal improvements will serve younger population well. The mounds and Home Plate areas were in need of repair.

Opportunities- This site is small and should be used for lower level little league play.

Constraints- The facility itself is documented as owned by the Cudworth Cemetery Association with use agreements unknown. Improvement to this site should be a low priority.

Beneficial Adjacencies - Scituate Housing Authority, Scituate Library, Gates Fields

Neighboring Land Use- Residential

Vehicular Circulation & Parking- There is no on site parking, however the site benefits from the adjacent former Gates Intermediate School and the parking associated.

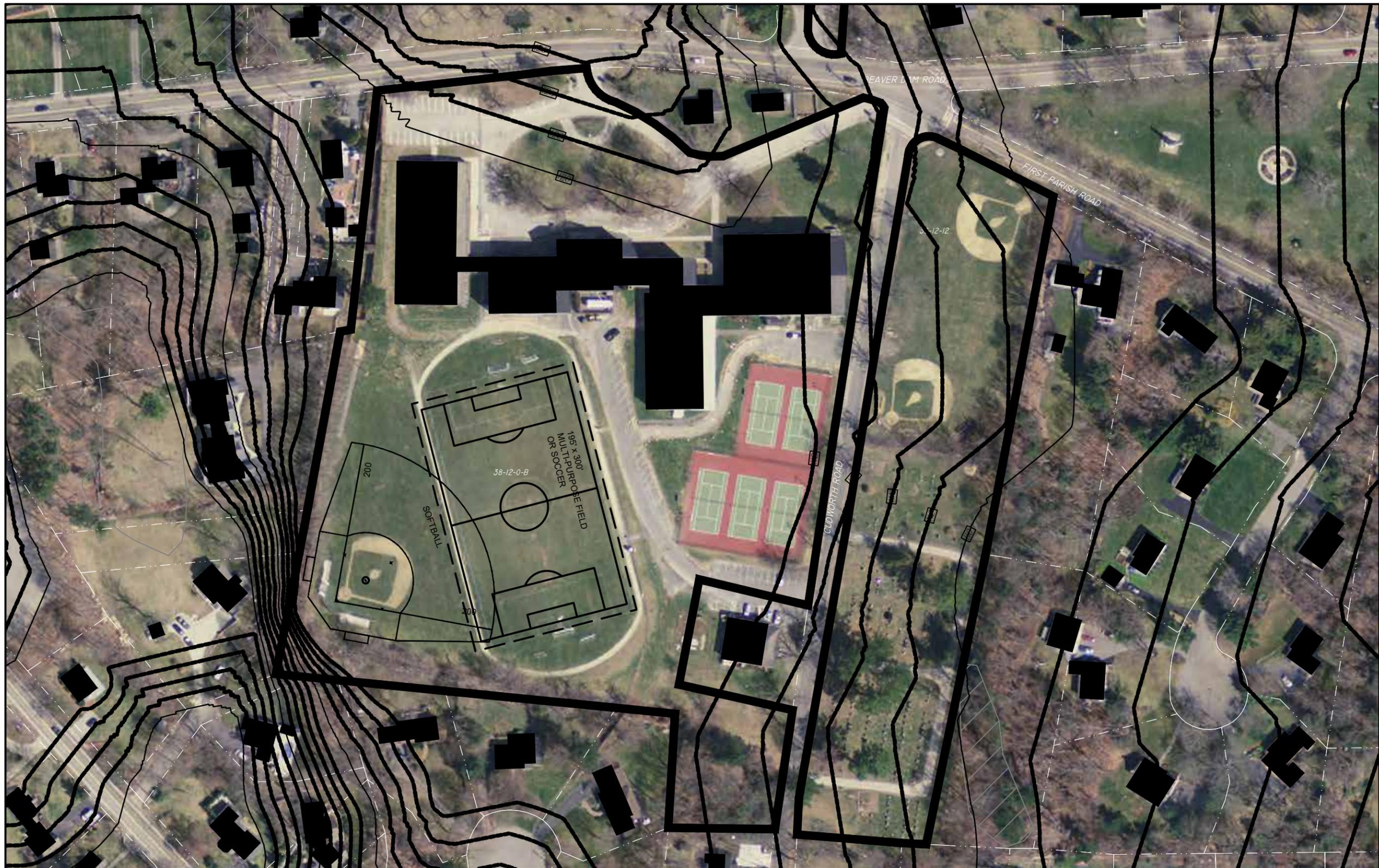
Pedestrian Circulation-There is no formal circulation through the site. The site is bounded by accessible walks along First Parish Rd and Cudworth.

Access Control- The site is not fully enclosed by any fence structure or wall. This is a very accessible site that feels like a neighborhood type park.

Athletic Field Equipments- 2 T-ball backstops, and chainlink fence in front of dugout benches.

Vegetation-





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Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Cudworth Fields	
Date: 11/17/17	
Inspected By: Justin Robertshaw and Arthur Eddy	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, outfield player positions, and commonly expected wear areas.
x	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
x	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
x	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.



	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards.
x	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
x	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
x	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
x	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.

I. Bleachers / Benches	
x	Hardware and bracing are structurally sound and intact.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
x	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.

J. Field Accessories	
x	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizatoin will inspect electronic function.

K. Fences / Netting / Screens	
x	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
x	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
x	Netting is secure on uprights and does not have holes.
x	Backstop screens are properly secured and do not have rips or holes

K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.



	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports
L. Lights	
	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Recepticles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
x	Signs are readable and not faded or broken.

Fields are considered T-ball / Little League with a soccer overlay due to the physical presence of infields. Usage shows a predominance of soccer and if this is planned to continue the town should consider removing the infields and backstops associated with T-ball to improve safety, playability and space requirements for soccer.

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CUSHING SCHOOL FIELD

SITE DATA SUMMARY

Address	1 Aberdeen Drive
Classification	School
Neighborhood or District	
Zone	R2
Acreage	55.06 acres includes the campus of Cushing Elm. Scituate High School and Gates Middle School.
Wetlands	Potential wetlands to the south and west of the field.
Easements or R.O.W	Water Resource Protection Area Overlay, Wireless Communication Overlay District

Flood Zone	x
Parking Quantity & Materials	asphalt 35+
User Groups	High School Field Hockey, Youth sports
Utilities and Infrastructure	Unknown
Irrigation	Yes, not hooked up to a water source due to drought conditions of 2016.
Facilities and Features	1 field hockey / soccer field

EXISTING CONDITIONS EVALUATION

Overall - Field is new as of 2016/2017.

Opportunities- This field was constructed to relieve capacity issues and Title Nine regulatory issues in 2016. The biggest opportunity for the future will be to complete the irrigation systems as designed. Without irrigation this field will deteriorate quickly due to its use.

Constraints- lack of water. Steep slopes surround the field on the South, East and West sides.

Beneficial Adjacencies - Scituate High School

Neighboring Land Use- Residential

Vehicular Circulation & Parking- Aberdeen Drive is a low volume residential roadway that dead end at Cushing Elementary

Pedestrian Circulation- There is access to the Field from Cushing Elementary but pedestrian access does not provide access to all sides.

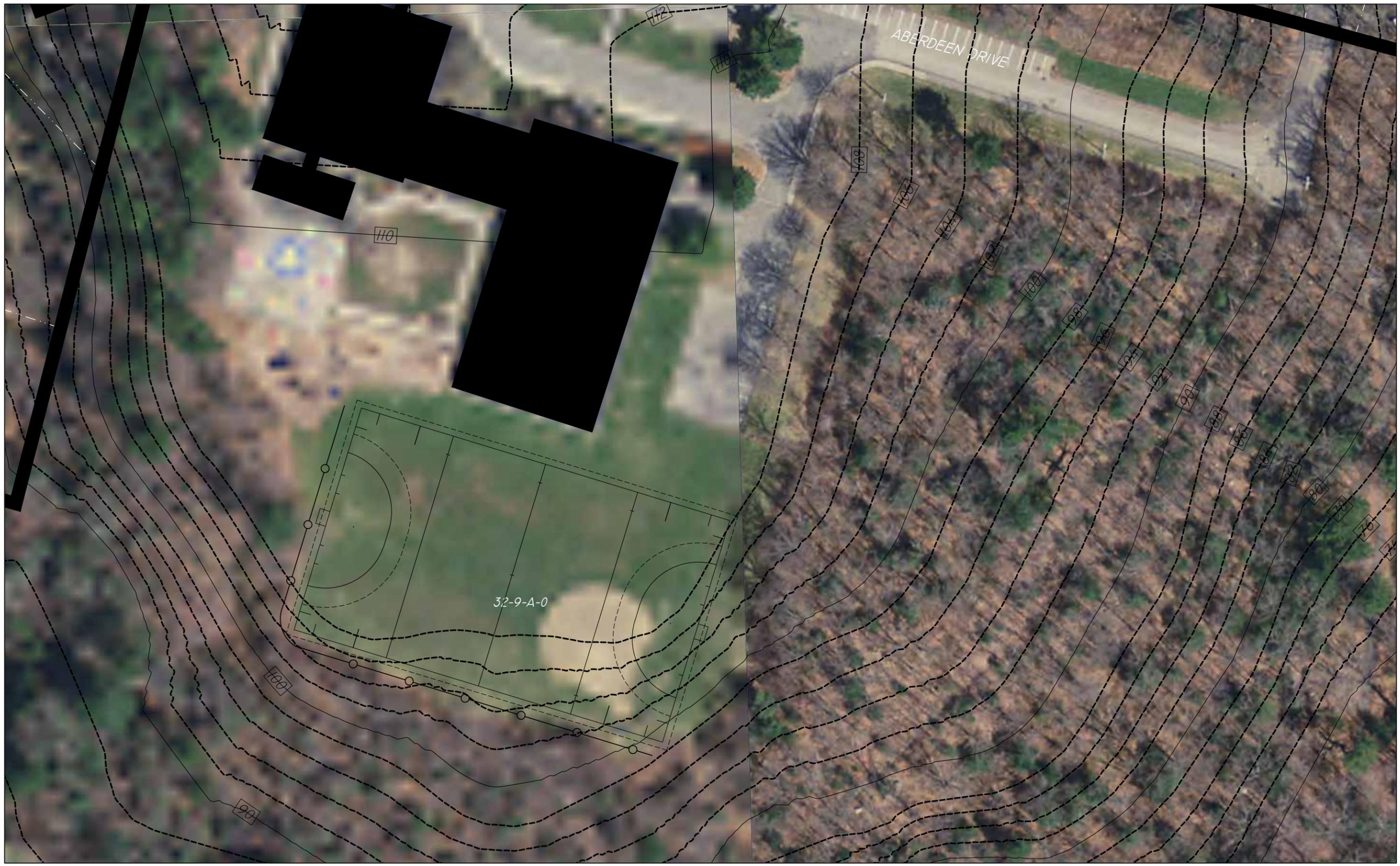
Access Control- The field is partially bounded by a 4' black vinyl fence but is accessible from Cushing elementary school.

Athletic Field Equipments- Portable Netting for rectangular Field sports.

Vegetation-



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CUSHING - 1 ABERDEEN DR
ADJACENT TO FOOTBALL FIED
1" = 50'

Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Cushing Field	
Date: 11/17/17	
Inspected By: Justin Robertshaw and Arthur Eddy	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, outfield player positions, and commonly expected wear areas.
x	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
x	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
x	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.

	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
x	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
x	Field is mostly level with some uneven high or low spots that will impede surface drainage.
	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.
I. Bleachers / Benches	

	Hardware and bracing are structurally sound and intact.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.
J. Field Accessories	
x	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.
K. Fences / Netting / Screens	
x	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
x	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
x	Safety caps are on all chain link style fences surrounding playing surfaces.
x	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes
K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports
L. Lights	

	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.

This natural grass field was renovated in 2016. Field was renovated to a standard full size field hockey field with appropriate slopes and drainage. Unfortunately an irrigation system was not installed due to multiple factors including water restrictions due to drought conditions and a lack of available water supply from the current well. This lack of water as well as an early and intense use of the field has caused irreversible damage to the grass. Irrigation experts have previously recommended installation of a new 8" well to support this field separate from the currently irrigated fields at SHS. When installing a new well for this field consideration should be given to minor renovation, this includes laser grading the surface and installing sod to replace damaged and sparse vegetation.



GATES SCHOOL FIELDS

SITE DATA SUMMARY

Address	327 First Parish Rd
Classification	Former School
Neighborhood or District	
Zone	R2
Acreage	10.97 acres
Wetlands	None
Easements or R.O.W Protection Area Overlay	Water Resource
Flood Zone	x
Parking Quantity & Materials	asphalt 50+

User Groups	Youth Baseball, Soccer, Multi-use
Utilities and Infrastructure	Unknown
Irrigation	Yes Older system, water source unknown
Facilities and Features	1 little league baseball field overlay, 1 Full size soccer/multi-use field within a 2 lane stone dust track. Track impedes baseball play. 5 Full size asphalt tennis courts.

EXISTING CONDITIONS EVALUATION

Overall - Fields are in fair /poor condition see maintenance inspection checklist for details. Fields have a patchy stand of grass with significant broadleaf weeds throughout and bare spots in high use areas down the middle of the field. Cinder track is in need of maintenance in order to maintain it's form/edge. Baseball outfield is bi-sected by the cinder track this scenario is potentially dangerous and should be avoided when possible. The mounds and Home Plate areas were in need of repair.

Opportunities- This site has a potentially large open space that should be evaluated for a priority field based the towns documented hours of use.

Constraints- The cinder track limits the amount and level of play on the baseball field. This site is the former Scituate Intermediate School because the real estate is not protected by parks and recreation, planning and improvements should be approached with caution and there should be good understanding of how loss of facilities will impact permitting and user groups

Beneficial Adjacencies - Scituate Housing Authority, Scituate Library, Gates Fields

Neighboring Land Use- Residential

Vehicular Circulation & Parking- First Parish Rd is the main roadway with access to the Front of the Building. First Parish is a low volume roadway with good accessibility. Cudworth is a lower volume Residential roadway, with access to the back of the building and a significant amount of parking along the access drive and tennis courts.

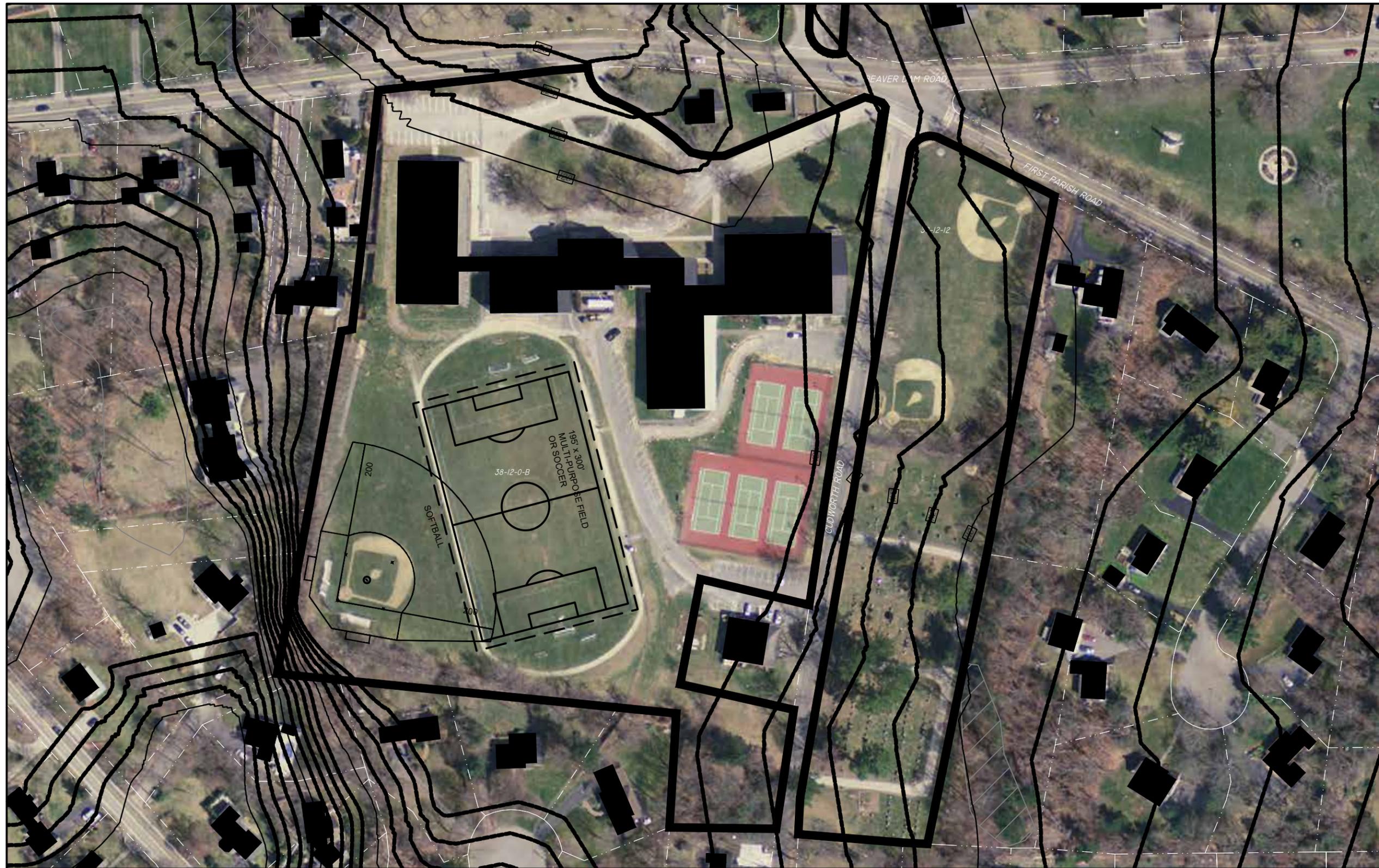
Pedestrian Circulation-There is access to the a cinder track providing access to all areas of the soccer/multi-use field.

Access Control- The site is not fully enclosed by any fence structure or wall, with the exception of the tennis courts which are fenced and gates. Access to all user groups and adjacent residential at various times of the day.

Athletic Field Equipments- 1 baseball backstops, Portable Soccer netting, 5 tennis courts and netting



A
B
C
D



GATES FIELD - 327 FIRST PARISH RD
CUDWORTH - CUDWORTH ROAD
1" = 50'

Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Gate School Fields	
Date: 11/17/17	
Inspected By: Justin Robertshaw and Arthur Eddy	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
x	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
x	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
x	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
x	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.



	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
x	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards. Soccer field has a larger crown, Cinder track that bisects the baseball outfield which causes some safety concern
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
x	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
x	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
x	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.

I. Bleachers / Benches	
x	Hardware and bracing are structurally sound and intact.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
x	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.



J. Field Accessories	
x	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.

K. Fences / Netting / Screens	
x	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
x	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
x	Netting is secure on uprights and does not have holes.
x	Backstop screens are properly secured and do not have rips or holes



K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports

L. Lights	
	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.

M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.

N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
x	Signs are readable and not faded or broken.

A
B
C
D



GREENBUSH BASEBALL FIELD

SITE DATA SUMMARY

Address 276 Chief Justice Cushing Highway.

Classification Little League
Baseball Field

Neighborhood or District

Zone R3

Acreage 6.63 acres

Wetlands Yes, beyond the outfield fence

Easements or R.O.W Water Resource Protection Area Overlay, Wireless Communication Overlay Dist. Floodplain and Watershed Protection District.

EXISTING CONDITIONS EVALUATION

Overall - Fields are in good condition see maintenance inspection checklist for details. Fields have a very good stand of grass and field is well maintained. Mounds were observed tarped.

Opportunities- This field benefits from irrigation in years that are not in drought. The field also benefits from single use, without overlays

Constraints- The field while very well maintained and in good shape has many grade undulations that effect drainage and performance.

Beneficial Adjacencies - Scituate Water Works, Old Oaken Bucket Pond.

Neighboring Land Use- Residential

Vehicular Circulation & Parking- 20-25 stalls with limited circution around the water works building. Access is provided off of Chief Justice Cushing Highway a high volume roadway with good access.

Flood Zone AE

Parking Quantity & Materials asphalt 50+

User Groups Youth Baseball

Utilities and Infrastructure Musco Light Structure, there is some exposed wiring, posing potential hazards

Irrigation Yes age unknown

Facilities and Features 1 little league baseball, Enclosed block dugouts, Batting cages, Concessions, Restrooms and Bleachers.

Pedestrian Circulation-There is access to all amenities via paved or granular surfaces.

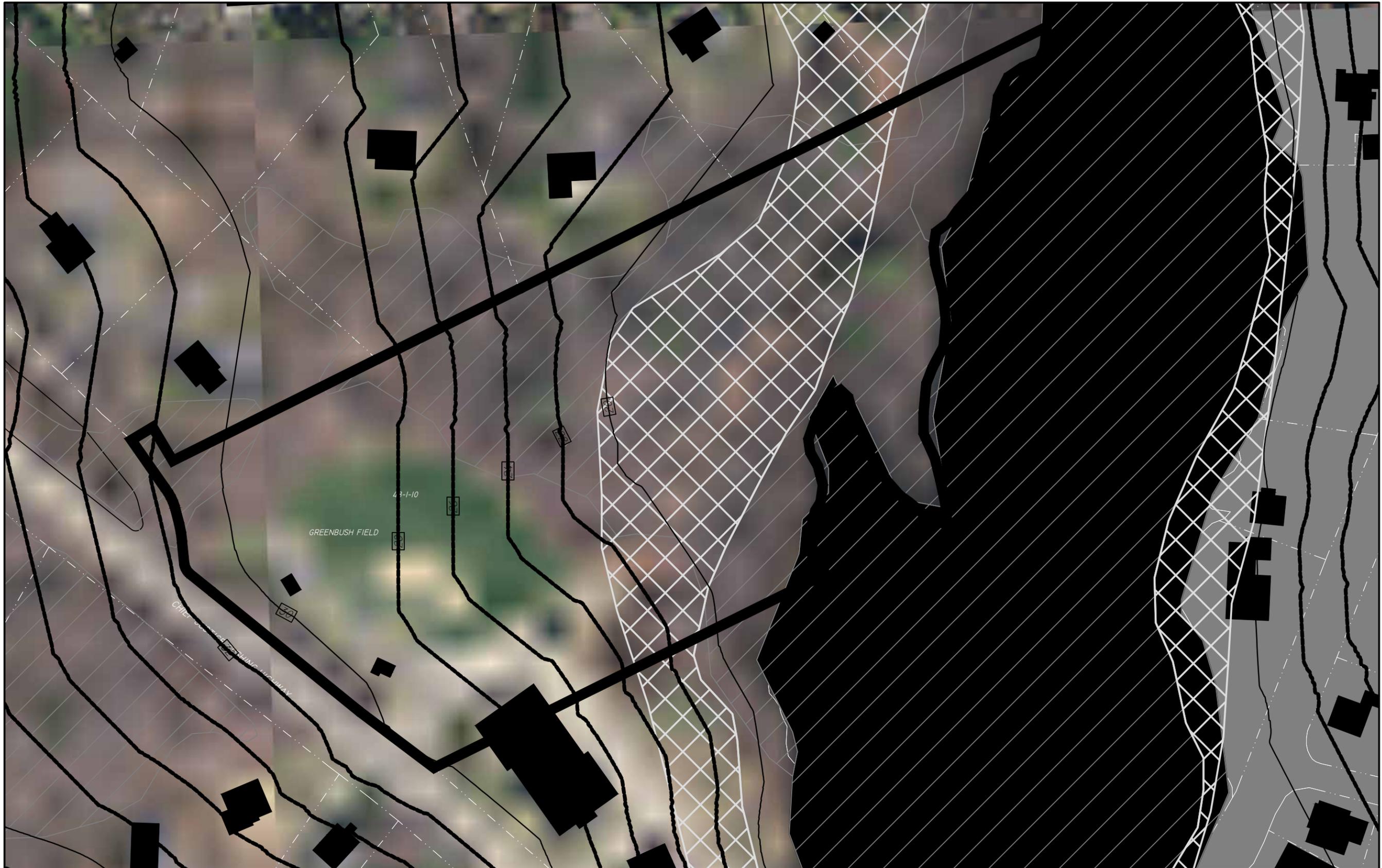
Access Control- Field is fully enclosed by backstop, enclosed dugouts and a 4' tall fence.

Athletic Field Equipments- 1 baseball backstops, 2 batting cages, block dugtouts, scoreboard and lighting

Vegetation-



A
B
C
D



GREENBUSH FIELD - 276 CUSHING HWY
1" = 40'



Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Greenbush Field	
Date: 11/17/17	
Inspected By: Justin Robertshaw and Arthur Eddy	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
x	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
x	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
x	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
x	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.



	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
x	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
x	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate. Both infield and Outfield have visible rolling to topography. Field could benefit from laser grading and renovation even though it looks to be well maintained.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
x	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.

I. Bleachers / Benches	
x	Hardware and bracing are structurally sound and intact.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
x	Nails, bolts, or screws are flush with the surface.
x	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.
J. Field Accessories	
	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
x	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.
K. Fences / Netting / Screens	
	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
x	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
x	Backstop screens are properly secured and do not have rips or holes
K. Dugouts	
x	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
s	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed. Wiring in both dugouts is exposed
x	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports



L. Lights	
	Lights are operational. Operation of lights is unknown condition looks to be good. Product is Musco Light Structure which is now 2 generations old
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Receptacles	
x	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
x	Signs are readable and not faded or broken.



Field should be considered a game field. The field is well taken care but is currently showing it is past it is past due for renovation. Any renovation should be considered major and replace most existing components including, dugtouts, fencing, backstop, scoreboard and irrigation. Drainage improvements should be made so that surface drainage of the infield is relatively flat 0.5%-1.0% toward the outfield and 1-1.5% through the outfield.



FLANNERY FIELD

SITE DATA SUMMARY

Address	72 Ann Vinal Road
Classification	Hatherly School
Neighborhood or District	
Zone	R2
Acreage	12.65 acres
Wetlands boundary fencing	Yes, west of
Easements or R.O.W	None
Flood Zone	x
Parking Quantity & Materials	Granular 65+/-

User Groups Youth Soccer/Lacrosse

Utilities and Infrastructure Unknown

Irrigation Yes system unknown

Facilities and Features 1 full size soccer field. Retaining wall in northwest corner is unpadding.

Structures and Supporting Amenities

EXISTING CONDITIONS EVALUATION

Overall - Field are in fair condition see maintenance inspection checklist for details. Fields has a good stand of grass with bare spots down the middle of the field. Lateral sub surface drainage was installed recently, visible standing water remains. Surface restoration does not seem to have taken well where lateral were installed.

Opportunities- This field is just old enough to be reaching its original life span. Future improvements should include a major overhaul inclusive of soil, grading, drainage and upgrades to the irrigation.

Constraints- Lack of netting makes this field less attractive for lacrosse and the lack of padding on the retaining wall poses a safety and liability risk

Beneficial Adjacencies - Unknown

Neighboring Land Use- Residential

Vehicular Circulation & Parking- 65+ parking stalls in a dedicated parking lot separate from school

parking at Hatherly School. Access is provided off Ann Vinal Road.

Pedestrian Circulation-There is access to south portion of the field but accessible surfaces are not provided surrounding the field..

Access Control- Field is controlled by a 6' fence on the north south and west sides. The east side of the field is controlled by hillside and retaining wall

Athletic Field Equipments- 1 soccer field

Vegetation-



A
B
C
D



HATHERLY SCHOOL
1" = 40'

Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Flannery Field	
Date: 11/17/17	
Inspected By: Justin Robertshaw and Arthur Eddy	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
x	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
x	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
x	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.

	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
x	Field is mostly level with some uneven high or low spots that will impede surface drainage. Field has recently had subsurface lateral drainage installed, but field was not graded and restoration does not look to have take well. Ponding of water is evident, soil conditions is unknown.
	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.

I. Bleachers / Benches	
	Hardware and bracing are structurally sound and intact.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.
J. Field Accessories	
x	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.
K. Fences / Netting / Screens	
x	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
x	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
x	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes
K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports

L. Lights	
	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.

A
B
C
D



HATHERLY BACK FIELD

SITE DATA SUMMARY

Address	72 Ann Vinal Road
Classification	Hatherly School
Neighborhood or District	
Zone	R2
Acreage	12.65 acres
Wetlands boundary fencing	Yes, west of
Easements or R.O.W	None
Flood Zone	x
Parking Quantity & Materials	Asphalt 150+

User Groups	Youth Soccer/Lacrosse
Utilities and Infrastructure	Unknown
Irrigation	Yes system unknown
Facilities and Features	1 U-10 soccer field behind Hatherly School. Supporting amenities include a number of playgrounds accessible pathways and abundant parking on site.

EXISTING CONDITIONS EVALUATION

Overall - Field is in fair condition see maintenance inspection checklist for details. Field has an average stand of grass with some bare spots and patchy broadleaf weeds. Field size does not support full size use and should be used for U-10 and lower level soccer and youth lacrosse

Opportunities- This field is used for school curriculum activities and low level soccer and lacrosse to support practice.

Constraints- Field size

Beneficial Adjacencies - Unknown

Neighboring Land Use- Residential

Vehicular Circulation & Parking- 150+ parking stalls associated with school parking at Hatherly School. Access is provided off Ann Vinal Road.

Pedestrian Circulation-There is access the field and other school amenities via series of paved

pathways.

Access Control- Field is uncontrolled by any fence or structure but the surrounding building and edge vegetation screens the open space.

Athletic Field Equipments- 1 soccer field

Vegetation-



A
B
C
D



HATHERLY SCHOOL
1" = 40'

Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Hatherly Back Field	
Date: 11/17/17	
Inspected By: Justin Robertshaw and Arthur Eddy	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
x	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
x	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
x	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.

	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
x	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.
I. Bleachers / Benches	

	Hardware and bracing are structurally sound and intact.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.
J. Field Accessories	
	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.
K. Fences / Netting / Screens	
	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes
K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports
L. Lights	

	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.

Hatherly backfield is an un irrigated open space dedicated to the school. It is used by town recreation and youth programs for lower level soccer. The field space is large enough to accommodate U-10-12 soccer and is in ok condition. There is potential to make this into a large full size field with some additional clearing of adjacent vegetation, however enlarging this field is not recommended without a complete renovation and replacement including drainage and irrigation.

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JENKINS BACK FIELD

SITE DATA SUMMARY

Address	54 Vinal Ave
Classification	Jenkins School
Neighborhood or District	
Zone	R3
Acreage	6.43 acres
Wetlands	Yes, west of boundary fencing
Easements or R.O.W Overlay	Scenic Road
Flood Zone	x
Parking Quantity & Materials	Asphalt 42 +/-

EXISTING CONDITIONS EVALUATION

Overall - Field is in fair condition see maintenance inspection checklist for details. Fields has a good stand of grass with bare spots at high use areas like goal mouths

Opportunities- The open space is large enough to accommodate a full size soccer field with additional removal of vegetation along the south property line.

Constraints- Lack of ADA accessibility

Beneficial Adjacencies - Unknown

Neighboring Land Use- Residential

Vehicular Circulation & Parking- 42+ parking stalls in a dedicated parking lot for school off of Vinal Ave. Additional parking and loop drive to the rear of the school is off of First Parish Rd.

Pedestrian Circulation-There is access to the field via a paved pathway and stair case leading from the Jenkins School. These are not considered a

User Groups	Youth Soccer/Lacrosse
Utilities and Infrastructure	Unknown
Irrigation	Yes system unknown
Facilities and Features	1 full size soccer field.

reasonable means of accessibility and any future improvements should include providing access via a ramp.

Access Control- Field is not controlled by a fence but is surrounded by residential and is in a low area away from the school.

Athletic Field Equipments- 1 soccer field

Vegetation-





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JENKINS SCHOOL FIELD - 54 VINAL AVE
1" = 40'



Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Jenkins School Back Field	
Date: 11/17/17	
Inspected By: Justin Robertshaw and Arthur Eddy	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
x	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
x	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.

x	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
x	Field is mostly level with some uneven high or low spots that will impede surface drainage. Field is consistent but with a steep slope of 2+%
	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.
I. Bleachers / Benches	

	Hardware and bracing are structurally sound and intact.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.
J. Field Accessories	
x	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization. Soccer Goals observed were for a smaller sized field
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.
K. Fences / Netting / Screens	
	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes
K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports

L. Lights	
	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.

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PURPLE DINOSAUR FIELD

SITE DATA SUMMARY

Address	618 Country Way
Classification	Park
Neighborhood or District	
Zone	R2
Acreage	2.3 acres
Wetlands	none
Easements or R.O.W Overlay	Scenic Road
Flood Zone	x
Parking Quantity & Materials	Asphalt 24 +/-

User Groups	Youth Soccer/Lacrosse
Utilities and Infrastructure	Unknown
Irrigation	Yes system unknown
Facilities and Features	Multi-use Soccer/ Lacrosse Field

EXISTING CONDITIONS EVALUATION

Overall - Field is in poor condition see maintenance inspection checklist for details. Field has a poor stand of grass with bare spots at high use areas like goal mouths, there is some exposed stone which poses a safety concern and the former baseball infield has not established a turf vegetation supportive of intense field usage. Field size supports u10-12.

Opportunities- This field is one of the only rectangular fields owned by Town of Scituate.

Constraints- Lack of ADA accessibility

Beneficial Adjacencies - Unknown

Neighboring Land Use- Residential

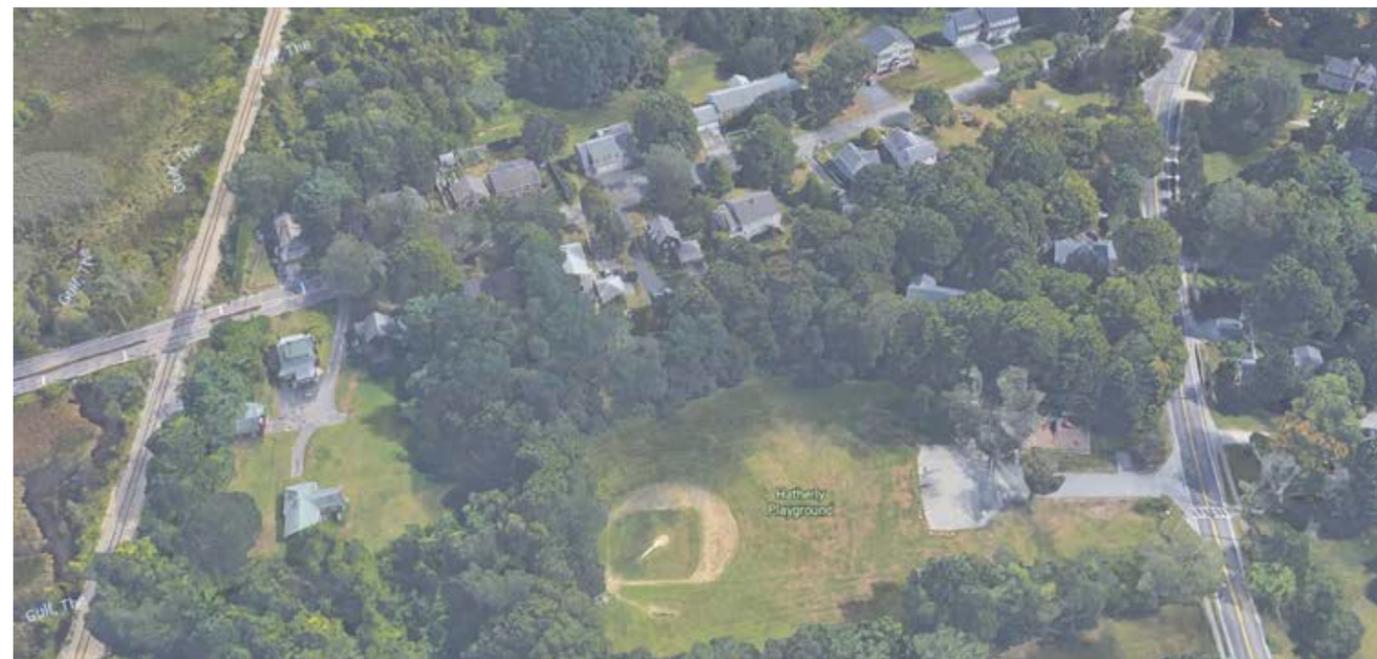
Vehicular Circulation & Parking- 25+ parking stalls in a dedicated parking lot off of Country Way.

Pedestrian Circulation-There is access to the field via a parking lot. but an accessible route is not provided.

Access Control- Field is not controlled by a fence but is surrounded by residential and is in a low area compared to the roadway.

Athletic Field Equipments- Portable Lacrosse Goals.

Vegetation-



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PURPLE DINOSAUR - 618 COUNTRY WAY
1" = 30'

Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Purple Dinosaur	
Date: 11/17/17	
Inspected By: Justin Robertshaw	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
x	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
x	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
x	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.



	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards.
x	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
x	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate. Field looks to be a former Little League Field now setup for lacrosse practice
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.

I. Bleachers / Benches	
	Hardware and bracing are structurally sound and intact.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.

J. Field Accessories	
	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.

K. Fences / Netting / Screens	
	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes

K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports

L. Lights	
	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.

M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.

N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.



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ROACH FIELD

SITE DATA SUMMARY

Address	1 Clifton Ave
Classification	Baseball Field
Neighborhood or District	
Zone	R2
Acreage	12.65 acres
Wetlands	Yes, beyond outfield fence adjacent to railroad.
Easements or R.O.W Overlay	Scenic Road
Flood Zone	x
Parking Quantity & Materials	Gravel 25 +/-

EXISTING CONDITIONS EVALUATION

Overall - Field is in good condition see maintenance inspection checklist for details. Fields has a good stand of grass with bare spots at high use areas like goal mouths

Opportunities- This field is good condition with good supporting amenities. But the infield is seeing its age and could be fully renovated and laser graded. The backstop is also in need of replacement.

Constraints-

Beneficial Adjacencies - Unknown

Neighboring Land Use- Residential

Vehicular Circulation & Parking- 25+ parking stalls in a dedicated parking lot Beaver Dam Road.

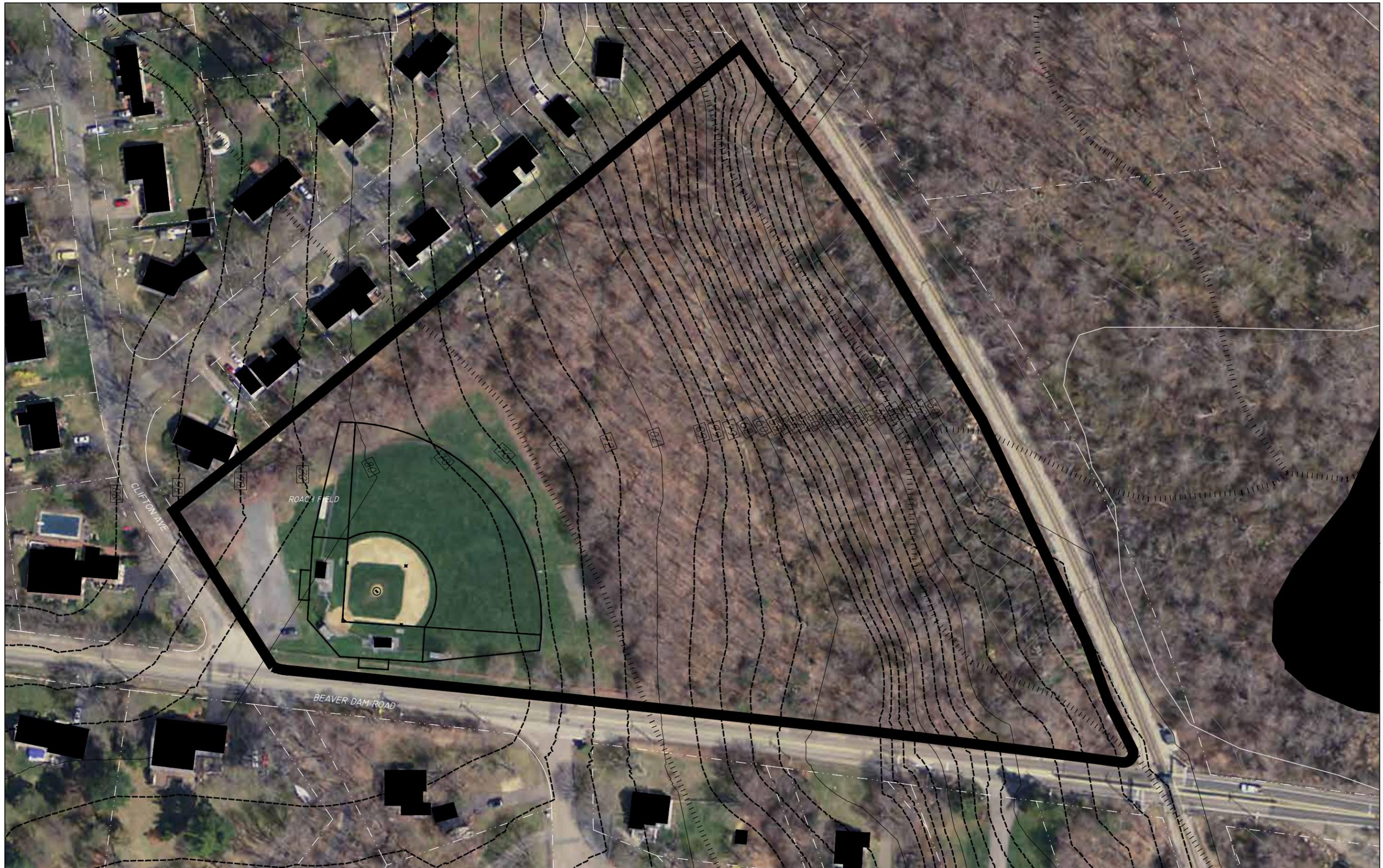
Pedestrian Circulation-Field is accessible via a gravel lot. Dugouts are enclosed but gates are tight for a wheel chair.

User Groups	Youth Soccer/Lacrosse
Utilities and Infrastructure	Unknown
Irrigation	Yes system unknown
Facilities and Features	1 little league baseball field

Access Control- Field is fully controlled by a fence, enclosed dugout and backstop

Athletic Field Equipments- Enclosed dugouts, batting
Vegetation-





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ROACH FIELD - 1 CLIFTON AVE
1" = 40'



Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Roach Field	
Date: 11/17/17	
Inspected By: Justin Robertshaw	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
x	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
x	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
x	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
x	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.



	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
x	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards. Infield was observed as being to low. The infield could use a major renovation inclusive of tearout and laser grading.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
x	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
x	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
x	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.

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I. Bleachers / Benches	
x	Hardware and bracing are structurally sound and intact.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
x	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking. A few of the benches were in need of painting.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.

J. Field Accessories	
	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
x	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.

K. Fences / Netting / Screens	
	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes. Needs replacement

K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible. Large crack in the settled masonry of the third base dugout.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports



L. Lights	
	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Receptacles	
x	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
x	Barrels are not overflowing and have liners in place.
x	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.



Field should be considered a game field. The field is well taken care but is currently showing it is past it is past due for renovation. Any renovation should be considered major and replace most existing components including, dugouts, fencing, backstop, scoreboard and irrigation. Drainage improvements should be made so that surface drainage of the infield is relatively flat 0.5%-1.0% toward the outfield and 1-1.5% through the outfield. ADA access to the field should be improved.



SCITUATE HIGH SCHOOL

SITE DATA SUMMARY

Address	606 Chief Justice Cushing Highway
Classification	3 Fields
Neighborhood or District	
Zone	R1-R2
Acreeage	55.06 acres includes the campus of Cushing Elm. Scituate High School and Gates Middle School.
Wetlands	Yes, Boarding track and field and west of the back soccer field
Easements or R.O.W	Water resource protection district

Flood Zone	x
Parking Quantity & Materials	associated with High School/Middle School
User Groups	Youth Soccer/Lacrosse/ Baseball and High School Middle School Activities
Utilities and Infrastructure	Unknown
Irrigation	Yes systems unknown
Facilities and Features	Varsity Baseball Field, Junior Varsity Baseball Field with football field overlay, Soccer Field.

EXISTING CONDITIONS EVALUATION

Overall - Field is in fair condition see maintenance inspection checklist for details. Baseball Field has a good stand of grass with bare spots at high use areas and some lips cause by intense use. The synthetic turf athletic field has reached its life expectancy. The track is also in need of replacement and the track elevations vary 2' north to south.

Opportunities- Replacement of the track and synthetic turf field should high priority

Constraints-

Beneficial Adjacencies - Unknown

Neighboring Land Use- Government/ Residential

Vehicular Circulation & Parking- Large parking area devoted to the HS & MS

Pedestrian Circulation-Fields are not fully accessible based on slopes and paths of travel. Baseball field has access but it could be improved.

Access Control- Baseball Field is fully controlled by a fence, enclosed dugout and backstop. Track is also enclosed by fence.

Athletic Field Equipments- Enclosed dugouts, batting

Vegetation-



Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Junior Varsity Baseball Field	
Date: 11/17/17	
Inspected By: Justin Robertshaw	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
x	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like. The football overlay on the junior varsity baseball field is causing considerable damage to the turf vegetation between the hash marks.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
x	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.

x	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
x	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards. Infield was observed as being too low. The infield could use a major renovation inclusive of tearout and laser grading.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
x	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
x	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
x	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.

	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.
I. Bleachers / Benches	
x	Hardware and bracing are structurally sound and intact.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
x	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.
J. Field Accessories	
	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
x	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.
K. Fences / Netting / Screens	
	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes.
Backstop is the only fencing associated with this field. Backstop is in need of replacement and relocation to a safe distance from the foul line and home plate. Additional fencing and protection around the dugouts should be considered with any future improvements.	
K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.

	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
x	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports.
Protective fence is in tact but the dugouts and backstop fencing are much closer then recommended. Distance to foul lines to face of dugout is 35' the recommended distance is 60'.	
L. Lights	
x	Lights are operational.
x	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
x	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.



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Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: SHS Track/Synthetic Turf Field and Varsity Baseball Field	
Date: 11/17/17	
Inspected By: Justin Robertshaw	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
x	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
x	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
x	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
x	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.

	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
x	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards. Infield was observed as being to low.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
The infield could use a major renovation inclusive of tearout and laser grading.	
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
x	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
x	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
x	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.

I. Bleachers / Benches	
x	Hardware and bracing are structurally sound and intact.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
x	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking. A few of the benches were in need of painting.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.
Bleachers and pressbox for the multi-use stadium do not meet accessibility codes. While the bleachers may be grandfathered in to this point. Any major improvements to the track and field may trigger required improvements to the bleachers and press box in order bring them into compliance with accessibility codes.	
J. Field Accessories	
	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
x	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.
K. Fences / Netting / Screens	
	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes. Needs replacement.
Outfield fence for varsity baseball is as short as 312' in some locations. This is too small of a field for varsity athletes. Future improvements should consider a slightly larger field. The safe recommended distance from dugout or backstop to foul line is 60'. This field is well short of that recommended distance. The backstop is also in need of replacement and should be relocated to accommodate the recommended 60"	
K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.

	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports.
Protective fence is in tact but the dugouts and backstop fencing are much closer then recommended. Distance to foul lines to face of dugout is 35' the recommended distance is 60'.	
L. Lights	
x	Lights are operational.
x	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
x	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	

The synthetic turf field is 14 years old. For its age the field is in ok condition and it has been well maintained. However the field has visible wear to the point where replacement is necessary and should be considered from a safety perspective.

The track has a nice setting behind the school and from a distance the track is in ok condition but further inspection and investigation shows numerous signs of wear within the synthetic surface, cracking that is no longer repairable with less invasive techniques. The track is also not built to standards governing high school sports, from north to south the track elevations change 2+'. Fixing the track should be a priority for the school and its student athletes in order to give them a fair and safe surface to run and practice on. Improvements to bring the track in to National Federation of High School Sports Standards requires a complete tear out and replacement of the existing facilities including asphalt base and synthetic turf field.

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EXISTING CONDITIONS EVALUATION

Overall - Field is in fair-poor condition see maintenance inspection checklists for details. Fields see an intense amount of use specifically in high use areas and have degraded or destroyed much of the turf vegetation

Opportunities- Given the intense amount of usage that these fields see there is potential benefit to synthetic turf. In the mean time the school/town should do what it can to rotate and shift the locations where high intensity drills take place.

Constraints- Baseball field does not meet the foul line to dugout standard distance of 60'. This presents a safety concern, other constraints include environmental and topographic conditions bounding the area on most sides.

Beneficial Adjacencies - Cushing Field

Neighboring Land Use- Government/Residential

Vehicular Circulation & Parking- Large Parking area devoted to the HS MS complex

Pedestrian Circulation-Fields are not fully accessible by a hard surfaced path way there are informal path worn from intense use by

Access Control- Fields are not controlled by any type of fence or structure

Athletic Field Equipments- Chainlink dugouts, portable soccer and lacrosse goals.

Vegetation-

Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Soccer Field (SHS Back Field)	
Date: 11/17/17	
Inspected By: Justin Robertshaw	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
x	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like. The soccer field has major where in high use areas like the goal mouths for soccer and lacrosse.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
x	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
x	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.

	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
x	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards. Infield was observed as being to low.
	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards.
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.

I. Bleachers / Benches	
x	Hardware and bracing are structurally sound and intact.
x	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
x	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.

J. Field Accessories	
x	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.

K. Fences / Netting / Screens	
	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes.

K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports.

L. Lights	

x	Lights are operational.
x	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
x	Electrical junction boxes and conduit are secure.

M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.

N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.

The back field at SHS is under sized for a full size soccer field with appropriate safety runouts of at least 10'. Proximity of the field in relation to the JV baseball field is also a concern if the fields are used simultaneously because there is a lack of appropriate space between the fields and no protective netting for stray foul balls. Constraints including environmental adjacencies may dictate current size and placement of the field. See recommendations for field size and placement as it relates to future improvements of the Varsity Baseball and Softball Fields.

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WAPATUCK FIELD

SITE DATA SUMMARY

Address	266 Tilden Rd
Classification	Wapatuck School
Neighborhood or District	
Zone	R3
Acreage	17.47 acres
Wetlands	none
Easements or R.O.W	Scenic Road Overlay, Residential Cluster Development Overlay
Flood Zone	x
Parking Quantity & Materials	Asphalt 44 +/-

User Groups	Youth Soccer/Lacrosse
Utilities and Infrastructure	Unknown
Irrigation	None
Facilities and Features	Practice field/open space, Former Little League Field in rear of school.

EXISTING CONDITIONS EVALUATION

Overall - Fields are in poor condition. Little League field does not seem to have been used other than PE for some time. Open space in the front of the school does not have grades to support an athletic field.

Opportunities- With major renovation the field in the rear of the school could be converted to a safer more multi-use open space to support a variety of practice and low level user groups

Constraints-

Beneficial Adjacencies - Unknown

Neighboring Land Use- Residential, high density

Vehicular Circulation & Parking- 44+ parking stalls in a parking spread through out the site. Access is provided off of Tilden Road.

Pedestrian Circulation- There is access to the variety of outdoor spaces via a number of egresses

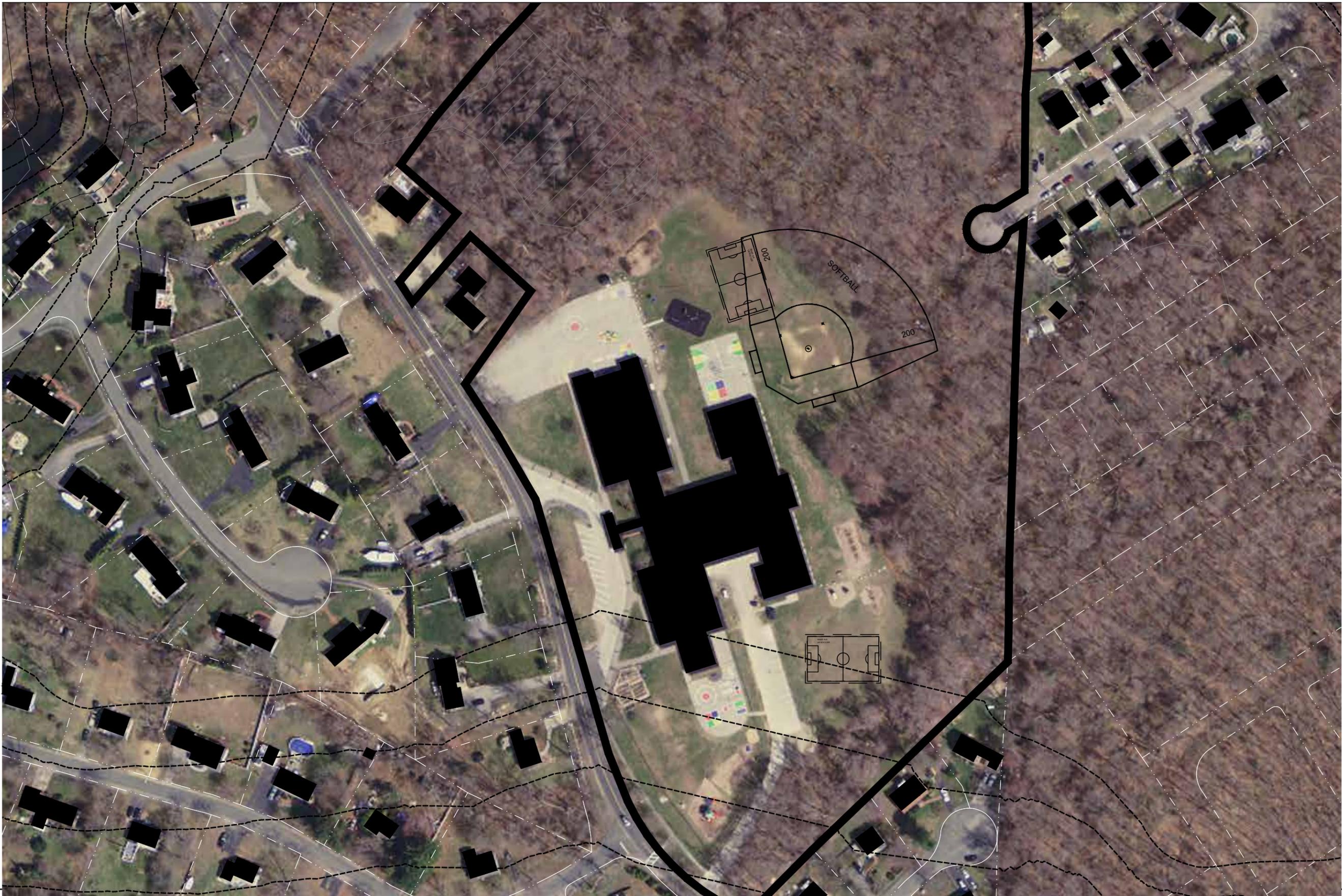
from the building but spaces are not linked in an accessible manor throughout the site.

Access Control- Space in the front of the school is controlled by a 4' tall fence. Open spaces in the rear of the school is not controlled by any fence or structure.

Athletic Field Equipments- Backstop (needs replacement if the field is to remain a baseball field in the future.

Vegetation-





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Maintenance Inspection Checklist	
Athletic Fields and Practice Areas	
Field Name or Location: Wamptuck School Fields/Open Space	
Date: 11/17/17	
Inspected By: Justin Robertshaw and Arthur Eddy	
A. Turf Density	
	Field has a dense stand of grass and no bare areas are present.
	Field has a dense stand of grass but thinning is evident in goal mouths, out-field player positions, and commonly expected wear areas.
	Field has good grass cover on most of the field but bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
x	Turf is thin or sparse on the majority of the field and bare areas are evident in goal mouths, outfield player positions, coach's boxes, or like.
B. Turf Uniformity	
	Turf has a uniform dark green color and different turf species are blended evenly so the field is visually consistent.
	Turf has a uniform dark green color but some patches of different turf species are noticeable.
	Turf has a medium green color with many patches of different species evident throughout the stand.
x	Turf is light green and many different grass species are unevenly blended to create a patchwork of grass cover.
	Turf appearance was not judged because un-irrigated fields are dormant and off color.
C. Turf Weeds	
	Broadleaf weeds or annual grassy weeds are evident in less than 1% of stand.
	Broadleaf weeds or annual grassy weeds are evident in less than 10% of the stand.
x	Turf shows significant populations of broadleaf weeds and annual grassy weeds covering 25% or more of the area.
D. Mowing and Trimming	
	Turf is cut at an appropriate height for use and all trim in the playing area is no more than 30% higher than the mowed grass.
	Turf is too high or low for the intended use and all trim in the playing area is no more than 30% higher than the mowed grass.

x	Turf is too high or low for the intended use and all trim in the playing area is more than 50% higher than the mowed grass.
E. Field Contours (turf areas only)	
	Field is level and sloped or crowned to provide surface drainage of water away from the playing area.
	Field is mostly level with some uneven high or low spots that will impede surface drainage.
	Field is somewhat level but has multiple high or low spots that will impede surface drainage or drop offs that may be tripping hazards.
x	Field has many high and low areas that will impede surface drainage and drop offs that may be tripping hazards. Open Space is very small with large grade impediments
F. Field Contours Baseball /Softball	
	Infield mix is level and slopes or is crowned to provide surface drainage of water away from the skin.
	Infield mix is mostly level but has some high and low spots around bases, pitching area, and homeplate.
x	Infield mix has significant high and low areas especially around bases, pitching area, and homeplate.
G. Pitchers Mound Baseball /Softball	
	Is the mound covered or is a cover evident in the vicinity? Circle one: YES NO
	Mound is in good repair. Table around pitching rubber is intact. Landing area slope is correct.
	Mound is in average state of repair and is shaped correctly. The table and slope show minor wear at the pitching rubber and landing area less than 3" deep.
x	Mound is badly worn and correct shape has degraded. There are wear areas at the pitching rubber and landing area 3" or deeper.
H. Field Transitions / Lips	
	The infield mix makes a smooth transition to the turf areas.
	The infield mix to turf transition has a lip in some locations but does not exceed 3" high.
x	The infield mix to turf transition has a lip in many areas and some locations are at least 6" high.

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I. Bleachers / Benches	
	Hardware and bracing are structurally sound and intact.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed. Needs Replacement
	Nails, bolts, or screws are flush with the surface.
	Painted surfaces are in good repair without major chipping, peeling, or cracking.
	Handrails are secure with a smooth surface free of protrusions or sharp edges.
J. Field Accessories	
	Goals, tackling sleds, pitching screens, etc. are in good repair and do not present a safety hazard. Refer problems to correct Organization.
	Scoreboards are structurally sound and exterior repairs are not apparent. Organizations will inspect electronic function.
K. Fences / Netting / Screens	
	Fence fabric is free of holes and is properly tied to the upright and crossing supports.
	Fence posts are secure in the ground and are straight upright. Crossbars are properly tied to the uprights.
	Safety caps are on all chain link style fences surrounding playing surfaces.
	Netting is secure on uprights and does not have holes.
	Backstop screens are properly secured and do not have rips or holes Needs replacement
K. Dugouts	
	Structure is sound. Roofing appears intact and no leaks are evident. All lumber appears solid with no rotting visible.
	Seating surface is clean and free of protrusions. No catch points or sharp edges are exposed.
	All surfaces are cleanly painted with no rotten lumber or rusted metal evident. No graffiti in sight.
	All electrical enclosures are secure, GFI's have covers in place, lights and electrical plugs work, no wires are exposed.
	Protective Fence fabric is 6' in ht. and is free of holes and is properly tied to the upright and crossing supports

L. Lights	
	Lights are operational.
	Light poles are structurally sound with no visible damage at the connection to the concrete footer.
	Electrical junction boxes and conduit are secure.
M. Trash / Recycling Receptacles	
	Sufficient barrels are available in high traffic areas such as dugouts and bleachers.
	Barrels are not overflowing and have liners in place.
	Receptacles are cleanly painted with no rusted metal or graffiti visible.
N. Signage	
	Emergency and DPR signs are in visible locations and secured properly.
	Signs are readable and not faded or broken.



CHAPTER C

Recommendations

Overview

Key Recommendations:
Remove and Replace the existing track and synthetic turf field at SHS
Create a large multi-use synthetic turf complex at SHS including Baseball, softball and multi-use overlays. This will relieve capacity issues as well as the intense maintenance required to keep up with the overuse of fields at the high school.

- Improve grading, drainage, and natural turf surfaces for natural turf fields within the parks and lower level schools for town recreation use. If better natural turf fields are provided it will allow for more usage as well as being able to spread usage out so that fields can be rested and rehabilitated in a cycle.
- Implement maintenance plan and proposed improvements to natural turf fields.

Phasing Recommendations:

1. Implement maintenance program outlined. and address current safety concerns at all athletic fields including minor regrading.
2. Implement new track and field at SHS
3. Implement new bleachers and press box at SHS
4. Implement synthetic large synthetic turf field with baseball softball and multi-use overlays at SHS
5. Make improvements to Central fields including the relocation of JV Baseball
6. Implement Improvements at Flannery Field.
7. Implement improvements at Jenkins School lower field including larger size field and ADA access
8. Implement improvements at Hatherly School backfield including larger field size

NEEDS ASSESSMENT

Central Fields

- Newly renovated softball field is in good shape with recent improvements to the infield. Future site improvement may require regrading of the infield to drain in an ideal manor from home plate to the outfield.
- Softball field 2 infield needs to be renovated laser graded. Field drains properly through the outfield.
- Backstop and dugout to field 2 should be replaced

Cudworth Fields

- Fields should be used or practice only.
- Exposed boulders present a safety concern
- Backstops are too short for any use besides T-ball.
- Small rectangular athletic fields are not well supported on this site do to slopes and topography

Cushing School Field

- Connections to supporting irrigation is needed to keep field in high quality playing condition
- Field has been overused without supporting irrigation, field should be resodded with the installation of water source for irrigation.

Flannery Field

- Low spots in the field are holding water
- New drainage laterals do not seem to be working
- Soils are unknown but could be holding moisture
- Field is in need of complete renovation, including laser grading and potentially soil replacement. If the drainage laterals were not backfilled with a free draining material they should be removed and replaced with the renovation.

Gates Field

- The full size rectangular field is needed to support field usage within town.
- The multi-use field within the stone dust track needs to be replaced, regraded with improved drainage installed and updates to the irrigation to provide full coverage of the field.
- Little League field should be used for infield practice only

Greenbush Field

- This facility should be considered a little league game field scheduled appropriately to maintain the field in the long term.
- Sod from the field should be striped and the should be field regraded to provide positive drainage in all directions.
- dugouts need updates to amenities and may be replaced with major renovation

Hatherly School Field

- Fields should remain an intermediate use U-10 field that supports games when necessary, overseeding, aerification and fertilization on a regular basis will help keep this field in good shape.
- Field use should be limited to the best of the towns ability per the recommended usage table in the inventory and evaluation section.
- With additional land clearing and improvements this field could be converted to a full size field and improved to provide a full range of amenities and support more hours of use.

Jenkins School Field

- Provide full accessibility to the lower field.
- Field improvements are needed including grading with a crown at 1.5% in both directions.
- With additional clearing of trees this could be converted to a full size field.

Purple Dinosaur Field

- Renovation of previous little league infield to support natural grass uses is needed if continued use of the space will be for multi-use rectangular fields or practice.

Roach Field

- The field needs to be substantially renovated including the infield in order to provide positive drainage and less ponding in all areas of the field. This is a nicer facility with numerous supporting amenities.

Scituate High School Fields

- Fields show their over use by the High School and all town organizations.
- Baseball fields are the only 90' fields in town.
- Synthetic turf field and track need replacement.
- Field sizes and open space is some of the largest in town.

Wampatuck School Fields

- Fields size is extremely small and use is limited by sloping topography.
- Space for fields is very limited.
- Any use for athletics will require complete renovation and replacement and is cost prohibitive compared to alternatives.

Recommendations

Central Fields



Opinion of Concept Cost -Central Fields Scituate

Item	Total
New JV Baseball Field	
Grading Improvements	
New Infield Mix	
New Topsoil and Sod	
32' Tall Backstop, New Dugouts and benches, New Foul Poles	
Outfield Drainage	
Irrigation	
Subtotal	\$450,000
Site Improvements	
Fine Grading of Natrual Grass Field Areas	
Haul in of topsoil	
Fine Grading Practice Field	
Irrigation	
Drainage	
New Sod	
Soccer Goal Pak	
Subtotal	\$400,000
Softball Field Improvements	
Grading	
New Topsoil and Sod	
New Infield Mix	
New Foul Poles	
Irrigation	
Outfield Drainage	
Subtotal	\$200,000
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$1,050,000
OH&P	\$105,000
CONTINGENCY	\$52,500
TOTAL	\$1,208,000

Current Recommended Maintenance Level - 3

Recommended Maintenance Level with
Improvements- 4

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Cudworth Fields

**Opinion of Concept Cost -Cudworth Cemetery
Fields Scituate**

Item	Total
Little League Field Improvements	
Replace backstops	
Remove grass from infields	
New infield mix	
Remove boulders from outfield replace add top soil and new sod	
Grading improvements	
Subtotal	\$117,000
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$117,000
OH&P	\$11,700
CONTINGENCY	\$5,850
TOTAL	\$135,000

Current Recommended Maintenance Level - 2
Improvements- 2

Cushing School Field

Opinion of Concept Cost -Cushing Field Scituate

Item	Total
Water Supply to irrigation	
Drill New 8" well	
New well pump and control panel	
Connect to irrigation system in place	
Subtotal	\$75,000
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$75,000
OH&P	\$7,500
CONTINGENCY	\$3,750
TOTAL	\$87,000

Current Recommended Maintenance Level - 3
Recommended Maintenance Level with
Improvements- 4

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Opinion of Concept Cost - Flannery Field Scituate

Item	Total
Site Improvements	
Natural Grass field ~ 136,000 sf	
Haul in of topsoil	
Fine Grading of Field	
Irrigation Improvements	
Field Drainage	
Sodding	
Football Soccer Goal Pak	
Add padding to block wall	
Netting for Lacrosse	
Subtotal	\$392,500
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$392,500
GENERAL CONDITIONS, BOND, CONTRACTOR OH&P	\$39,250
CONTINGENCY	\$19,625
TOTAL	\$452,000

Current Recommended Maintenance Level - 4
 Recommended Maintenance Level with Improvements- 4

Flannery Field

Opinion of Concept Cost - Gates Field Scituate

Gates Field

Item	Total
Multi-use Field Improvements	
Natural Grass field ~ 90,000 sf	
Haul in of topsoil	
Fine Grading Field	
Irrigation Improvements	
Field Drainage	
Sodding	
Football Soccer Goal Pak	
Netting for Lacrosse	
Access Improvements	
Stone Dust Path Maintenance	
Subtotal	\$333,721
Softball Field Improvements	
Grading	
New Topsoil and Sod	
New Infield Mix	
New Foul Poles	
Irrigation	
Outfield Drainage	
Subtotal	\$107,500
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$441,221
GENERAL CONDITIONS, BOND, CONTRACTOR OH&P	\$44,122
CONTINGENCY	\$22,061
TOTAL	\$508,000
Current Recommended Maintenance Level - 4	
Recommended Maintenance Level with Improvements- 4	

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Opinion of Concept Cost - Greenbush Field Scituate

Greenbush Field

Item	Total
Little League Field Improvements	
Grading	
New Topsoil and Sod	
Infield Amendments	
Laser Grading	
New Foul Poles	
Irrigation	
Outfield Drainage	
New Fence	
New Backstop	
Subtotal	\$240,500
Optional New Dugouts	\$90,000
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$240,500
GENERAL CONDITIONS, BOND, CONTRACTOR OH&P	\$24,050
CONTINGENCY	\$12,025
TOTAL	\$277,000
Current Recommended Maintenance Level - 4	
Recommended Maintenance Level with Improvements- 4	

Opinion of Concept Cost - Hatherly School Back Field Scituate

Hatherly School Field

Item	Total
Open Space Improvements	
Laser Grading	
New Topsoil	
Seeding	
Subtotal	\$37,000
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$37,000
GENERAL CONDITIONS, BOND, CONTRACTOR OH&P	\$3,700
CONTINGENCY	\$1,850
TOTAL	\$43,000
Current Recommended Maintenance Level - 1	
Recommended Maintenance Level with Improvements- 2	

Jenkins School Field



Opinion of Concept Cost - Jenkins School Lower Field Scituate

Item	Total
Site Improvements	
Natural Grass field ~ 75,000 sf	
Haul in of topsoil	
Fine Grading of Field	
Irrigation	
Field Drainage	
Sodding	
Football Soccer Goal Pak	
ADA Access improvements	
Subtotal	\$267,250
SUBTOTAL OF SITE CONSTRUCTION ITEMS	
GENERAL CONDITIONS, BOND, CONTRACTOR OH&P	
CONTINGENCY	
TOTAL	
	\$308,000
Current Recommended Maintenance Level - 1	
Recommended Maintenance Level with Improvements- 2	

Opinion of Concept Cost - Purple Dinosaur Park Scituate

Purple Dinosaur Field

Item	Total
Site Improvements	
Natural Grass field ~ 60,000 sf	
Haul in of topsoil	
Fine Grading of Field	
Seeding	
Subtotal	\$66,000
SUBTOTAL OF SITE CONSTRUCTION ITEMS	
GENERAL CONDITIONS, BOND, CONTRACTOR OH&P	
CONTINGENCY	
TOTAL	
	\$66,000
	\$6,600
	\$3,300
	\$76,000
Current Recommended Maintenance Level - 1	
Recommended Maintenance Level with Improvements- 1	

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Opinion of Concept Cost - Roach Field Scituate

Item	Total
Little League Field Improvements	
Grading	
New Topsoil and Sod	
Infield Amendments	
Laser Grading	
New Foul Poles	
Irrigation	
Outfield Drainage	
New Fence	
New Backstop	
Subtotal	\$245,500
Optional New Dugouts	\$90,000
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$245,500
GENERAL CONDITIONS, BOND, CONTRACTOR OH&P	\$24,550
CONTINGENCY	\$12,275
TOTAL	\$283,000

Current Recommended Maintenance Level - 4
 Recommended Maintenance Level with Improvements- 4

Scituate High School Fields

Opinion of Probable Cost - Scituate High School Field and Track

Item	Total
Site Preparation/Demolition	
Remove & Dispose of Field and Track	
Erosion Controls	
Subtotal	\$45,000
Phase 1 Track & Field Improvements	
Fine Grading of Synthetic Turf Field	
Rough Grading of Track and Field	
HMA with 6" Stone base- D Areas and Long Jump	
Synthetic Turf	
Shock Pad	
Field Barrier Netting	
Football Soccer Goal Pak	
Track Surface	
Base and Finishing Stone Subbase	
Slot Drain/Trench Drain	
PCC Field Curb	
Field Drainage	
Discus Cage	
Shotput	
Long Jump runways and Pits	
4' Fence	
Storage	
Subtotal	\$1,574,300
Bleachers Phase II	
Home Bleachers	
Improvements to Visitor Bleachers	
Press Box	
Subtotal	\$370,000
Subtotal Phase I & II	\$1,989,300
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$1,989,300
GENERAL CONDITIONS, BOND, CONTRACTOR OH&P	\$198,930
CONTINGENCY	\$99,465
TOTAL	\$2,288,000



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Scituate High School Fields

Opinion of Probable Cost - Scituate High School BB/SB Fields Phase

III

Item	Total
Site Preparation/Demolition	
Remove & Dispose of Fields	
Erosion Controls	
Subtotal	\$75,000
Phase 1 Track & Field Improvements	
Fine Grading of Synthetic Turf Field	
HMA with 6" Stone base- D Areas and Long Jump	
Synthetic Turf	
Field Barrier Netting	
Football Soccer Goal Pak	
Dugouts	
Base and Finishing Stone Subbase	
Scoreboard	
PCC Field Curb	
Field Drainage	
Field Equipments	
Storage	
Subtotal	\$3,875,000
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$3,875,000
GENERAL CONDITIONS, BOND, CONTRACTOR OH&P	\$387,500
CONTINGENCY	\$193,750
TOTAL	\$4,457,000

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**Opinion of Concept Cost -Wampatuck Fields
Scituate**

Item	Total
Playgrounds and Field	
Relocate Playground near baseball field	
Clear and Grub for new field	
New multipurpose field	
Subtotal	\$500,000
SUBTOTAL OF SITE CONSTRUCTION ITEMS	\$500,000
OH&P	\$50,000
CONTINGENCY	\$25,000
TOTAL	\$575,000

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CHAPTER D

Maintenance Plan



Overview

To provide safe and appealing turfgrass areas for all users of Scituate's parks and athletic open spaces. Maintenance of turfgrass playing surfaces for all sports fields will focus on safety and playability through the entire season. Training materials will be provided to partner associations that outline maintenance best practices. A close relationship and excellent communication with the partner associations and daily users of the athletic facilities will be paramount to the success of the maintenance plan. The overall turfgrass maintenance philosophy will be geared toward implementing industry accepted cultural best practices to help reduce the need for pesticide applications. Given the wide variety of uses for the turfgrass areas, four levels of maintenance will be established with Level 1 having the lowest maintenance standard and Level 4 the highest.

LEVEL 1 TURF GRASS (Low use general open space)

Mowing and Trim	Satisfactory turf coverage will be mowed and trimmed as needed to maintain a height-of-cut (HOC) between 2.5” and 4”. Clippings will be side discharged or mulched into the turf canopy.
Seeding	Thin or bare areas deemed unacceptable will be documented and addressed by priority. Renovation will consist of soil cultivation, seeding, and fertilization using a “starter” type product. Methods of renovation will be determined by site restrictions, equipment, labor, and material availability.
Herbicides	Obstructions requiring hand trim work (such as: fences, permanent structures, and other immovable objects) will be assessed and treated with non-selective herbicides to reduce labor inputs.
PGR's	Plant growth regulators (PGR's) may be utilized on turf areas to reduce labor requirements.

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LEVEL 2 TURF GRASS (General open space non athletic use)

Mowing and Trim	Satisfactory turf coverage will be mowed and trimmed as needed to maintain a height-of-cut (HOC) between 2.0” and 3.5”. Clippings will be side discharged or mulched into the turf canopy.
Seeding	Thin or bare areas deemed unacceptable will be documented and addressed by priority. Renovation will consist of soil cultivation, seeding, and fertilization using a “starter” type product. Methods of renovation will be determined by site restrictions, equipment, labor, and material availability.
Cultivation	Aerification will be done once annually preferably twice or as equipment and labor are available. Preferred equipment will be the ground driven aerifier with a ¾” dual hollow tine set-up. Seeding operations should be coordinated with aerification to maximize the value of both processes.
Fertilization	Turf will receive one annual application of fertilizer in the autumn of each year that consists of at least 1 lb of actual nitrogen per thousand square feet. Fertilizer products having 30% to 50%+ slow release properties will be favored with the intention of building a “bank” of available nutrients. Additional fertilizer inputs will be driven by labor and resource availability.
Herbicides	Obstructions requiring hand trim work (such as: fences, permanent structures, and other immovable objects) will be assessed and treated with non-selective herbicides to reduce labor inputs.
PGR's	Plant growth regulators (PGR's) may be utilized on turf areas to reduce labor requirements.

LEVEL 3 TURF GRASS (Non-Irrigated Athletic Open Space)

Mowing and Trim	Turf will be mowed and trimmed as needed and no less than once weekly to maintain a HOC between 1.5” and 3.0” to be determined by the Grounds Manager. Clippings will be side discharged or mulched into the turf canopy.
Seeding	Seeding will be done as needed to maintain an acceptable turf stand. The preference will be a full-scale, fall overseeding in conjunction with hollow tine aerification. Spring and summer seeding will be as needed and will be paired with some form of cultivation to maximize the efficacy of the seeding operation. Thinning or bare areas will be treated as a priority. Sod will be utilized as a last resort in areas where excessive use prevents establishment of turf from seed.
Cultivation	Aerification will be performed at least twice and preferably three times annually with the ground driven aerifier. A ¾” dual hollow tine set-up and 2X pattern will achieve 12% surface disruption per operation. Aerification and seeding should be combined whenever possible.
Fertilization	Fertilizer will be applied to achieve a minimum annual input of 4 pounds of actual nitrogen per thousand square feet. Fertilizer products having 30% to 50%+ slow release properties will be favored with the intention of building a “bank” of available nutrients. Macro and micro nutrient inputs will be based in part on soil and water test results. Additional fertility inputs will be driven by labor and resources.
Irrigation	Water will be applied as needed to supplement natural rainfall with a target amount of 1” per week. The policy will favor deep and infrequent applications. Level 3 areas do not have in-ground irrigation systems. Rain Train style units will be utilized where available.
Herbicides	Preemergent herbicides will be applied in the spring as dictated by soil temperatures and germination characteristics of crabgrass and other grassy weeds. Broadleaf weeds will be treated 1 or 2 times annually as weather and labor permit. The 3 year plan is to reduce broadleaf weeds to an aesthetically acceptable level and reduce herbicide inputs to one annual “spot treatment” type application. Obstructions requiring hand trim work (such as: fences, permanent structures, and other immovable objects) will be assessed and treated with non-selective herbicides to reduce labor inputs.
PGR's	Plant growth regulators (PGR's) may be utilized on turf areas to reduce labor requirements.
Insecticides	One application annually to prevent all species of white grubs. Additional inputs needed to control surface feeding insects will be evaluated to assess potential damage and treated accordingly.

LEVEL 3 TURF GRASS (continued)

Soil and Water Testing	Soil and water tests will be taken once annually or at a reasonable interval to be determined by the Grounds Manager. Immobile nutrients such as phosphorous, calcium and magnesium will be applied at the time of aerification and rates will be driven by soil and water test results. Soluble products like gypsum, potassium, sulfur and any recommended micronutrients will be applied during the course of normal fertilization operations.
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LEVEL 4 TURF GRASS (Irrigated Dedicated Athletic Space)

Mowing and Trim	Turf will be mowed and trimmed as needed and no less than 2 times weekly to maintain a HOC between 1.5” and 2.5” to be determined by the Grounds Manager. Clippings will be side discharged or mulched into the turf canopy.
Seeding	Seeding will be done as needed to maintain an acceptable turf stand. The preference will be a full-scale, fall overseeding in conjunction with hollow tine aerification. Spring and summer seeding will be as needed and will be paired with some form of cultivation to maximize the efficacy of the seeding operation. Thinning or bare areas will be treated as a priority. Pregerminated seed may be utilized when appropriate for quick coverage. Sod will be utilized as a last resort in areas where excessive use prevents establishment of turf from seed.
Cultivation	Aerification will be performed at least three times and preferably four times annually with the ground driven aerifier. A ¾” dual hollow tine set-up and 2X pattern will achieve 12% surface disruption per operation. Aerification and seeding should be combined whenever possible. Cultivation with solid tines, knives, or other equipment will be scheduled as need by the Grounds Manager to aid in seeding, topdressing, to achieve improved soil structure, reduced compaction and promote gas exchange within the rootzone.
Fertilization	Fertilizer will be applied to achieve a minimum annual input of 4.9 pounds of actual nitrogen per thousand square feet. Fertilizer products having 30% to 50%+ slow release properties will be favored with the intention of building a “bank” of available nutrients. Macro and micro nutrient inputs will be based in part on soil and water test results. Additional fertility inputs will be driven by labor and resources.
Irrigation	Level 4 areas have in-ground irrigation systems run by a central controller. Water will be applied on an as needed basis with an emphasis placed on maintaining the driest conditions possible to support the turfgrass stand. Reduced length of turfgrass wetness will be the primary goal when programming. Nozzle precipitation rates will determine run times. Syringing will be performed in the afternoons if turfgrass stands display signs of wilt. All efforts will be made to coordinate notification with appropriate departments and organizations when syringing is necessary.

LEVEL 4 TURF GRASS (continued)

Herbicides	Preemergent herbicides will be applied in the spring as dictated by soil temperatures and germination characteristics of crabgrass and other grassy weeds. Broadleaf weeds will be treated 1 or 2 times annually as weather and labor permit. The 3 year plan is to reduce broadleaf weeds to an aesthetically acceptable level and reduce herbicide inputs to one annual “spot treatment” type application. Obstructions requiring hand trim work (such as: fences, permanent structures, and other immovable objects) will be assessed and treated with non-selective herbicides to reduce labor inputs.
PGR’s	Plant growth regulators (PGR’s) may be utilized on turf areas to reduce labor requirements.
Insecticides	Insecticides will be applied preventatively with an emphasis placed on low toxicity products. The organophosphate family of insecticides will be avoided. Product selection and use will be at the discretion of the Grounds Manager.
Soil and Water Testing	Soil and water tests will be taken once annually or at a reasonable interval to be determined by the Grounds Manager. Immobile nutrients such as phosphorous, calcium and magnesium will be applied at the time of aerification and rates will be driven by soil and water test results. Soluble products like gypsum, potassium, sulfur and any recommended micronutrients will be applied during the course of normal fertilization operations.
Topdressing	Topdressing will be implemented as aggressively as possible. Targeted annual depth will be ½” of a sand based material applied incrementally not to exceed 1/8” per application. Sand particle size should fall within the medium specifications not to exceed 1mm in size. Organic matter should compose at least 20% of the mix. Topdressing will be combined with cultivation operations whenever possible.

SKINNED INFIELDS

Skinned infields require a significant amount of labour to keep them safe and playable. 75% of the game of softball or baseball is played on the infield and as players become older and the game gets faster it becomes more crucial that an infield is properly maintained to prevent injury. Know your skin-make-up. ASTM publishes a range for standard infield mix make up. It is recommended that all Scituate Town skinned infields are made up of approximately 70% sand and 30% silt/clay with a silt to clay ratio of 0.5-1.0. Management of multiple types of infield mixes across the various parks and schools makes it difficult to maintain consistent playing surfaces. The most crucial part to maintaining an infield mix is moisture which is directly correlated to a skinned infields make up. Hot weather or rain can adversely effect moisture in the field. Scituate should work with local organizations to develop a tarp policy as part of an agreement for use of the fields.

Nail dragging is a vital tool to maintaining a fields surface: it removes imperfections and help create a firm surface. Nail dragging should be done as often as resources allow, a minimum of twice weekly for higher level fields and once a week for lower level fields. Finish or smooth dragging should be done after nail dragging. Smooth drag patterns should be in the opposite direction of nail drag patterns. Additional smooth dragging can be done as necessary by walking with a smooth drag. Scituate should also work with local organizations using the fields to develop a field policy that requires mandatory performance of daily tasks to keep the field in good playing condition. Tasks should include position maintenance, mound and batters box maintenance after each practice or event to prevent low spots or excessive degradation of the infield. This type of field policy create a sense of pride and ownership by getting the community involved, including athletes, parents, booster club members, etc.

- Have players work on their specific areas (pitchers maintain their mound, infielders work on lips, etc) for greater connection and sense of ownership.
- Take advantage of work-study programs.

The primary role of the of Scituate Recreation Department management and staff will be to train others to properly perform daily tasks that provide good playing conditions without detrimental effects to the fields and to provide the maintenance outlined in the following table.



SKINNED INFIELDS

Debris Removal	Remove debris such as rocks, grass clippings, trash, weeds, etc. Remove chalk down the base paths and around home plate with a flat square shovel. This helps prevent a 'build-up' or hump that can occur down the middle of the baseline and around the home plate area
Water	Water is very important in an infield mix. Infield should maintain a cork-board effect or cleat in cleat out. Use the "key test". Use a spare key, insert it into the infield dirt. The key should go through the infield dirt with relative ease and when pulled out should not break apart, this will make for a clean spike mark as well. Moisture management is key! Repeat this method randomly throughout the skinned area in order to gauge proper moisture.
Lip Maintenance	Inspect for clay or conditioner in lips (where grass meets dirt) of the skinned area where dirt can accumulate. If there is a build-up present, use a plastic fan rake, pine broom and/or blast the dirt back with a water hose onto the infield when really bad.
Dragging	Nail Drag 2 times a week but only when the infield has the proper moisture. Nail Drag in different directions to avoid waves or ruts. Stay at least 1' away from all edges. Mat drag or finish drag 2 times weekly. Drag in 9'-10' circles from third to first vary starting locations each time you drag at a speed not faster than you can walk. Mat drag base paths by hand in the direction of the base paths and never across the base path. Always carry drags off the field.
Edging	Trim all infield edges once a month. After trimming roll all edges and base-paths.
Mounds	Mound maintenance should be done daily. Holes in the mounds should be filled with proper mound clay. Remove surface material down to the clay product. Scarify wet and add clay in lifts tamping to compact product. Cover clay product with 1/2"-1" of infield mix and cover with tarp.
Testing	Infield make up should be tested every other year. Consistency of products should be maintained for all infields across DPR. Infield mix should be between 60 and 70% sand and 30-40% clay (adjust to best maintain moisture levels.) Infield mix should have a silt to clay ratio of 0.5-1.0
Season End	Remove all conditioner products by sweeping into piles and placing in 5 gal buckets and store in cool dry area.
Bi-annual	Infields should be laser graded on a bi-annual basis. This is preventative maintenance to keep from infield replacement. Infield mix should added as necessary and tilled into the full profile to create a good bond. After infield is laser graded it should be rolled and surveyed for records and reestablishment.



SYNTHETIC TURF

Synthetic turf is relatively low maintenance compared to high end natural grass fields, but they are not “NO” maintenance. All synthetic turf fields should be groomed every 100 hours of use. This includes brooming, using a magnet to pick up any small metal objects and use of a sweeper and litter catcher to remove debris. High use areas should be checked daily for infill depth and migration, these areas are often the first to degrade and can void a warranty if they are not cared for as outlined by the synthetic turf manufacturer. Seams and inlays should be checked every time a field is groomed these areas are also prone to degradation over time but the repairs can be simple if caught early. Annual maintenance, inspection and testing done by the manufacturer or professional service is recommended, it often prolongs the life of the turf and should be built into the annual budget for each field.

Grooming	Fields should be groomed every 100 hrs of use or as directed in your synthetic turf maintenance manual.
Infill	Depth of infill should be measured in all high traffic and high wear areas every day when fields are used on a regular basis. Add infill and brush in by hand or with a broom to maintain appropriate depth.
Annual Maintenance	Annual Maintenance shall be contracted to occur prior to the fall sports season for all synthetic turf fields. Annual maintenance shall include Deep Grooming Deep Cleaning Line Repair Seam Repair Infill Replenishment Line Striping Magnetic Sweeping Brushing G-Max / HIC Testing

The average annual cost to maintain a Synthetic turf field including
 Grooming weekly for 33 weeks
 Adding Infill
 Seam Repair
 Game Prep
 Annual Maintenance

Total = \$8,000 including labour and supplies
 (does not include electricity for sports lighting)

*Note this is an average and costs are often heavier on the back end of a synthetic turf fields life cycle

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COSTS

LEVEL 1 TURF Annual Maintenance

\$0.045/SF

Standard Field Size 80,000

Total = \$3,600 including labor and supplies

(does not include electricity for sports lighting)

LEVEL 2 TURF Annual Maintenance

\$0.13/SF

Standard Field Size 80,000

Total = \$10,400 including labor and supplies

(does not include electricity for sports lighting)

LEVEL 3 TURF Annual Maintenance

\$0.18/SF

Standard Field Size 80,000

Total = \$14,400 including labor and supplies

(does not include electricity for sports lighting)

LEVEL 4 TURF Annual Maintenance

\$0.20/SF

Standard Field Size 80,000

Total = \$16,000 including labor and supplies

(does not include electricity for sports lighting)

BASEBALL FIELD Annual Maintenance

\$0.20/SF

Standard Field Size 196,000

Total = \$39,200 including labor and supplies

(does not include electricity for sports lighting)

SOFTBALL FIELD Annual Maintenance

\$0.36/SF

Standard Field Size 65,430

Total = \$24,000 including labor and supplies

(does not include electricity for sports lighting)

Costs are an estimate developed by the Landscape Architect based on available industry knowledge and experience. Cost can vary greatly based on products used, suppliers and labor inputs. Costs include an average cost per gallon of water used which varies by town or geographical location and whether there is use of an independent well.

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