City of Somerville
Athletic Fields Assessment

Gale Associates, Inc.
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Gale JN 715611

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Dilboy

Field: 90' Diamond (Fully skinned infield)

Type: **Baseball**/Softball **Football** **Soccer** Lacrosse Other

Facilities Manager/Director:

Jim Halloran

Site Address:

300 Alewife Brook Parkway

City: Somerville **State:** MA **Zip:** 02144

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

Type	N/A	Y	Distance
BVW	---		
Surface Water		---	w/in. 100'
Pond	---		
River		---	To West
Wellhead	---		
Stream	---		
Lake	---		
Other	---		

2. Abutters:

North:	Dilboy Stadium/Pool
South:	Co' Dilboy Diamond
East:	Residential Homes
West:	River – Arlington Homes

3. Photo

4. Geometry Evaluation:

MPR Outfield of 90' Diamond	L: 330'	W: 210'	Runout: 5'-10'

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
90' Baseball	330'	330'	330'	---	---

5. Field Subsystems:

Irrigation:	Unknown ??
Drainage:	• Catch basins around field • No formal drainage
Lighting:	No
Fencing:	4' Perimeter fence down right field in fair condition No outfield fencing

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Good rubber Very poor around	Need to build up mound area
Bases and Home Plate	HP – good	

	No base present	
Scoreboards	NONE	
Backstop	Yes, fair condition (vinyl is coming off)	
Dugout(s)	Wooden benches on concrete pads behind 4' fence	
P.A. System	No	
Spectator Seating	Yes, wooden bleachers	
Flag Pole	No	
Player Benches	Wooden – fair	
Goals/Goal Posts	N/A	
Field Marking/Striping	N/A	
Parking Facilities	@Dilboy Stadium/Pool	
Site Accessibility	Not ADA	
Site Safety	Good	
Site Buildings	Dilboy pool complex/stadium	

7. Soil Sample? Yes or No

8. General Turf Condition: 3

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments:
- Infield over compacted
- Outfield appeared to be over used not rested

10. Evaluation Summary:

	Failing/ Unacceptable	Marginally meets intended purpose	Good field Minor deficiencies	Excellent Field Meets/exceeds all requirement
Geometry Compliance			X	
Turf Condition		X		
Safety			X	
Support facilities/ equipment		X		
ADA Compliance		X		

11. Additional Comments:

- Infield over compact
- Fully skinned – no pitches mound
- No outfield fencing due to use of outfield as MPR

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Dilboy

Field: 60' Diamond

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other**

Facilities Manager/Director:

Jim Halloran

Site Address:

300 Alewife Brook Parkway

City: Somerville **State:** MA **Zip:** 02144

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

Type	**N/A**	**Y**	**Distance**
BVW	---		
Surface Water		---	w/in. 100'
Pond	---		
River		---	w/in 100'
Wellhead			
Stream	---		
Lake	---		
Other	---		

2. Abutters:

North:	Dilboy field 90' diamond/pool/tuft
South:	Apartments/Homes
East:	Residential Homes
West:	River/Homes

3. Photo Documents

4. Geometry Evaluation:

MPR	L: ---	W: ---	Runout: ---

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
90' Baseball	---	---	---	---	----
60' Baseball	200'	200'	200'	---	---
60' Softball	---	---	---	---	---

5. Field Subsystems:

Irrigation:	Unknown
Drainage:	• Catch basin around field • No formal field drainage
Lighting:	No athletic lighting
Fencing:	4' outfield/sideline fencing fair condition 15+/- black vinyl/CLF backstep fair condition Black vinyl starting to peel off

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Good rubber	Set to high
Bases and Home Plate	HP – fair condition	Bases not present
Scoreboards	No	
Backstop	Fair	Black vinyl peeling off
Dugout(s)	No	
P.A. System	No	
Spectator Seating	Wooden bleaches not ADA	
Flag Pole	No	

Player Benches	Wooden on concrete pad	
Goals/Goal Posts	N/A	
Field Marking/Striping	N/A	
Parking Facilities	@ Dilboy pool/stadium	
Site Accessibility	Portal ADA	
Site Safety	Good	
Site Buildings	@Dilboy pool/stadium	

7. Soil Sample? Yes or No

8. General Turf Condition: 3
(Good condition, needed re-seeding an annual maintenance)

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf - Large areas of weeds	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: Minor upgrades needed

10. Evaluation Summary:

	Failing/ Unacceptable	Marginally meets intended purpose	Good field Minor deficiencies	Excellent Field Meets/exceeds all requirement
Geometry Compliance			X	
Turf Condition			X	
Safety			X	
Support facilities/ equipment		X		
ADA Compliance		X		
Overall:			X	

11. Additional Comments:

- Far from site building/parking
- Infield fully skinned need to be weeded/re-edged
- Outfield turf need rigorous maintenance

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Dilboy

Field: Dilboy Stadium Field

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other**

Facilities Manager/Director:

Jim Halloran

Site Address:

300 Alewife Brook Parkway

City: Somerville **State:** MA **Zip:** 02144

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

Type	N/A	Y	Distance
BVW	---		
Surface Water		X	w/in. 100'
Pond	---		
River		X	To West
Wellhead	---		
Stream	---		
Lake	---		
Other			

2. Abutters:

North:	Parking Lot
South:	Dilboy Park – Pool –Tennis - Baseball
East:	Rt. 16 – Residential Homes
West:	River – Residential Homes

3. Photo

4. Geometry Evaluation:

Football	MPR:	L: 360'	W: 160'	Runout 20 +/-
Overall	MPR	L: 380'	W: 205'	---
Blue Soccer	MPR	L: 345'	W: 195'	Runout 5 +/-

5. Field Subsystems:

Irrigation:	N/A Synthetic Turf
Drainage:	Assumed synthetic turf underdrain system • Stove base – flat panel – collector pipes • Drains well Trench Drain – inside edge of sack - slot drain in D - Areas
Lighting:	Yes 4-pole USL Athletic – System 30 lamps per pole
Fencing:	Yes 6' perimeter fencing Black vinyl in good condition

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	N/A	
Bases and Home Plate	N/A	
Scoreboards	Yes	Good condition
Backstop	N/A	
Dugout(s)	N/A	
P.A. System	Press box	
Spectator Seating	200 grandstand	Good
Flag Pole	Yes (3)	North end

Player Benches	Not Present	
Goals/Goal Posts	Good condition	
Field Marking/Striping	Football (White) Soccer (Blue)	
Parking Facilities	North/South	
Site Accessibility	ADA	
Site Safety	Good	
Site Buildings	Restroom Concession-North Lockrooms–South	Below grandstand

7. Soil Sample? Yes or No

8. General Turf Condition: _____

   Track – Good Condition
   Synthetic Turf – Good Condition

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

   Comments: Six(6) years old Track/Field

10. Evaluation Summary:

	Failing/ Unacceptable	Marginally meets intended purpose	Good field Minor deficiencies	Excellent Field Meets/exceeds all requirement
Geometry Compliance				X
Turf Condition				X
Safety				X
Support facilities/ equipment				X
ADA Compliance				X
Overall:				X

11. Additional Comments:

- 2,000 person grandstand good condition
- South end zone run-out short
- Track needs to be re-surfaced/striped
- Track events good condition

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Trum Field

Field: 60' Softball

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other**

Facilities Manager/Director:

Jim Hallaron

Site Address:

One Franey Road

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans		
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps	X	
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas.

2. Abutters:

North:	Broadway – Residential homes
South:	Department of Public Works Building
East:	Residential homes
West:	Residential homes

3. Photo Documents:

4. Geometry Evaluation:

MPR	L:	W:	Runout:

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
60' Softball	240 +	225'	235'	25±	

5. Field Subsystems:

Irrigation:	Yes irrigation boxes present
Drainage:	No formal drainage, various catch basins No formal grading

Lighting:	Yes MUSCO lighting system in good condition
Fencing:	• Backstop needs to be replaced • Perimeter fencing is in fair condition • No out field fencing

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Fair	
Bases and Home Plate	Fair	
Scoreboards	None	
Backstop	Poor condition	
Dugout(s)	Benches behind CLF, conflict with spectator area	
P.A. System	None	
Spectator Seating	Outdated not ADA compliant	
Flag Pole	At entrance	
Player Benches	Aluminum benches good condition	
Goals/Goal Posts	Foul poles in good condition	
Field Marking/Striping	N/A	
Parking Facilities	On street	

Site Accessibility	Field accessible, seating is not	
Site Safety	Good	
Site Buildings	Yes, new pavilion	

7. Soil Sample? Yes or No

8. General Turf Condition: 4

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: Infield need to be reconstructed/reshaped

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally Meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance			X	
Turf Condition			X	
Safety			X	

Support facilities/ equipment			X	
ADA Compliance			X	
Overall:			X	

11. Additional Comments:

- Spectator seating needs to be upgraded
- Infield needs to be reconstructed
- Backstop/dugouts need to be reconfigured to avoid conflict with spectator area

GALE

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Trum Field

Field: Baseball 90'

Type: **Baseball**/Softball Football Soccer Lacrosse **Other** (MPR outfield)

Facilities Manager/Director:

Jim Halloran

Site Address:

One Franey Road

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas.

2. Abutters:

North:	Broadway – Residential
South:	Department of Public Works
East:	Residential homes
West:	Residential homes

3. Photo Documents:





4. Geometry Evaluation:

MPR	L:	W:	Runout:

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
90' Baseball	305'±	300'±	330'±	-----	-----

5. Field Subsystems:

Irrigation:	Yes, irrigation boxes present
Drainage:	• No formal drainage • Catch basing throughout area • No tunnel grading- hips-dips
Lighting:	Yes, MUSCO lighting system 13 total poles b/w baseball/softball
Fencing:	15' CLF – left field fair condition 15'-20' – Out field None – Right field in fair condition CIF – galvanized Backstop needs to be replaced poor condition

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Mound/rubber need to be reconstructed/upgraded	
Bases and Home Plate	Not present	
Scoreboards	Outfield – poor/outdated	

Backstop	Poor condition needs to be replaced	
Dugout(s)	Benches behind CLF conflict with spectator area	
P.A. System	None	
Spectator Seating	Wooden benches built into slope right/left sidelines Not ADA very poor	
Flag Pole	At entrance	
Player Benches	First row of bleacher poor condition	
Goals/Goal Posts	N/A	
Field Marking/Striping	N/A	
Parking Facilities	On street/DPW spaces	
Site Accessibility	Bleachers field not ADA	
Site Safety	Good	
Site Buildings	B/W softball/baseball building	

7. Soil Sample? Yes or No

8. General Turf Condition: 4

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: New field house/pavilion
Seating/amenities need to be updated

10. Evaluation Summary:

	Failing/ Unacceptable	Marginally meets intended purpose	Good field Minor deficiencies	Excellent Field Meets/exceeds all requirement
Geometry Compliance			X	
Turf Condition			X	
Safety			X	
Support facilities/ equipment			X	
ADA Compliance			X *	
Overall:			X	

* *Fields are compliant spectator seating is not.*

11. Additional Comments:

- Infields need seasonal maintenance
- Spectator seating needs to be replaced

FIELD EVALUATION
DATA SHEET

Date: 11/28/2013

Facility Name: Conway

Field: 2-60' Little League Fields

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other**

Facilities Manager/Director:

Jim Hallaron

Site Address:

560 Somerville

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas present.

2. Abutters:

North:	Somerville Avenue/Residential homes
South:	Railroad Track/Residential homes
East:	Businesses
West:	Ice Arena

3. Photo Documents:

4. Geometry Evaluation:

Overall MPR	L: 390'	W: 210'	Runout:

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
60' Baseball	190±	190±	190± Outfields Conflict	25±	

5. Field Subsystems:

Irrigation:	Yes, irrigation boxes present.
Drainage:	No formal drainage present. Various area drain present.

Lighting:	Light fixtures on telephone poles outdated.
Fencing:	Black vinyl perimeter fencing in good condition. Backstops in good condition.

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Good condition	
Bases and Home Plate	Bases not present	
Scoreboards	Good condition	
Backstop	Good condition	
Dugout(s)	Benches behind CLF	
P.A. System	None	
Spectator Seating	Aluminum 3-tow bleachers good condition	
Flag Pole	Yes, good condition	
Player Benches	Good condition	
Goals/Goal Posts	No poles	
Field Marking/Striping	N/A	
Parking Facilities	Limited on street parking	

Site Accessibility	Field is ADA accessible	
Site Safety	Good	
Site Buildings	None – Ice rink to west	

7. Soil Sample? Yes or No

8. General Turf Condition: ___2_____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: Large areas void of turf signs of overuse.

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance		X		
Turf Condition		X		
Safety			X	

Support facilities/ equipment		X		
ADA Compliance			X	
Overall:		X		

11. Additional Comments:

Turf appears to be over used.

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Lincoln Park

Field: Softball Field

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other**

Facilities Manager/Director:

Jim Hallaron

Site Address:

Lincoln Parkway

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas present.

2. Abutters:

North:	Residential homes
South:	Residential homes
East:	School/MPR Field
West:	Residential homes

3. Photo Documents:

4. Geometry Evaluation:

MPR	L:	W:	Runout:

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
90' Baseball					
60' Baseball					
60' Softball	180'	190'±	230'±	15±	

5. Field Subsystems:

Irrigation:	Yes
Drainage:	No formal drainage Various CB at field limits
Lighting:	Yes, outdated upgrade will help with glare and spill
Fencing:	No formal outfield fencing Backstop in fair condition Perimeter fencing in poor condition

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Fair condition	
Bases and Home Plate	Bases not present HP fair condition	
Scoreboards	None	
Backstop	Far condition	
Dugout(s)	None	

P.A. System	None	
Spectator Seating	None	
Flag Pole	None	
Player Benches	Wooden benches behind CLF	
Goals/Goal Posts	No foul poles	
Field Marking/Striping	N/A	
Parking Facilities	@Street limited	
Site Accessibility	Yes, site is ADA accessible	
Site Safety	Fair	
Site Buildings	None	

7. Soil Sample? Yes or No

8. General Turf Condition: __3_____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good **Fair** Poor

Comments: Some areas void of turf

Infield need to be needed/re-edged

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance			X	
Turf Condition		X		
Safety			X	
Support facilities/ equipment		X		
ADA Compliance			X	
Overall:		X		

11. Additional Comments:

- Field appears to be outdated.
- Upgrades to Athletic lighting will help with spill and glare.
- Infield needs to be reconstructed

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Lincoln Park

Field: MPR Field

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other(MPR)**

Facilities Manager/Director:

Jim Hallaron

Site Address:

Lincoln Parkway

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas present.

2. Abutters:

North:	School
South:	Residential Homes
East:	Residential Homes
West:	Residential Homes

3. Photo Documents:

4. Geometry Evaluation:

Overall MPR	L: 315±	W: 350±	Runout:

5. Field Subsystems:

Irrigation:	Yes supply from well

Drainage:	Various CB throughout field area
Lighting:	Yes, outdated ` Upgrade will improve spill and glare
Fencing:	4' Black vinyl CLF in far condition

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	N/A	
Bases and Home Plate	N/A	
Scoreboards	None	
Backstop	N/A	
Dugout(s)	N/A	
P.A. System	None	
Spectator Seating	None	
Flag Pole	@School	
Player Benches	None	
Goals/Goal Posts	Soccer goals In fair condition	
Field Marking/Striping	Not currently Striped	
Parking Facilities	@ school/street Limited	
Site Accessibility	Site is ADA Accessible	

Site Safety	Good	
Site Buildings	School	

7. Soil Sample? Yes or No

8. General Turf Condition: ____2____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: Large areas void of turf – signs of overuse.

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance		X		
Turf Condition		X		
Safety		X		
Support facilities/ equipment		X		
ADA			X	

Compliance				
Overall:		X		

11. Additional Comments:

- Very weak growth density – signs of overuse
- Athletic lighting outdated upgrade will improve spill and glare

GALE

FIELD EVALUATION
DATA SHEET

Date: 11/28/2013

Facility Name: Nunziato

Field: MPR Field

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other (MPR)**

Facilities Manager/Director:

Jim Hallaron

Site Address:

Vinal Avenue @ Summer Street

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas present.

2. Abutters:

North:	Residential homes
South:	Residential homes
East:	Residential homes
West:	Residential homes

3. Photo Documents:

4. Geometry Evaluation:

Overall MPR	L: 200'±	W:170 ±	Runout:

5. Field Subsystems:

Irrigation:	Unknown
Drainage:	No formal drainage
Lighting:	None

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	N/A	
Bases and Home Plate	N/A	
Scoreboards	None	
Backstop	N/A	
Dugout(s)	N/A	
P.A. System	None	
Spectator Seating	Picnic tables	
Flag Pole	None	
Player Benches	None	
Goals/Goal Posts	Soccer goals in fair condition	
Field Marking/Striping	Currently not striped	
Parking Facilities	@ Street	
Site Accessibility	Limited access	
Site Safety	Good	
Site Buildings	None	

7. Soil Sample? Yes or No

8. General Turf Condition: ___2_____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: Large areas void of turf – signs of over use

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance		X		
Turf Condition		X		
Safety			X	
Support facilities/ equipment		X		
ADA Compliance		X		
Overall:		X		

11. Additional Comments:

Large areas void of turf – signs of over use

GALE

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Foss Park

Field: 60' Diamond (South)

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other**

Facilities Manager/Director:

Jim Hallaron

Site Address:

40 Fellsway

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans		
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps	X	
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No environmentally sensitive areas present.

2. Abutters:

North:	Residential homes
South:	90' Diamonds
East:	Tennis courts
West:	Residential homes

3. Photo Documents:

4. Geometry Evaluation:

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
60' Softball	200'	200'	200'	25'	

5. Field Subsystems:

Irrigation:	Unknown
Drainage:	Various catch basins No formal drainage

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Fair condition	
Bases and Home Plate	Bases no present	
Scoreboards	None	
Backstop	Fair conditions Black vinyl starting to peel	
Dugout(s)	None	
P.A. System	None	
Spectator Seating	@Baselines – not code compliant	
Flag Pole	None	
Player Benches	Wooden benches on concrete pad – fair condition	
Goals/Goal Posts	N/A	
Field Marking/Striping	N/A	
Parking Facilities	@Street	
Site Accessibility	Site is ADA accessible	
Site Safety	Good	
Site Buildings	None	

7. Soil Sample? Yes or No

8. General Turf Condition: __3_____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: Some areas void of turf

Infield area compacted

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance			X	
Turf Condition		X		
Safety			X	
Support facilities/ equipment		X		
ADA Compliance			X	
Overall:			X	

11. Additional Comments:

Field is outdated needs updates.

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Foss Park

Field: 60' Diamond

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other**

Facilities Manager/Director:

Jim Hallaron

Site Address:

40 Fellsway

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No environmentally sensitive areas present.

2. Abutters:

North:	Mystic Avenue
South:	Softball field
East:	Mystic Avenue
West:	Residential Homes/Business

3. Photo Documents:

4. Geometry Evaluation:

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
60' Softball	200'	200'	175'	25'	

5. Field Subsystems:

Irrigation:	Unknown
Drainage:	Various catch basins No formal drainage
Lighting:	No athletic lighting

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Fair condition	
Bases and Home Plate	Bases not present	
Scoreboards	None	
Backstop	Four black vinyl railings	
Dugout(s)	None	
P.A. System	None	
Spectator Seating	None	
Flag Pole	None	
Player Benches	Wooden benches on concrete pad fair condition	
Goals/Goal Posts	N/A	
Field Marking/Striping	N/A	
Parking Facilities	@street	
Site Accessibility	Site is ADA accessible	
Site Safety	Good	
Site Buildings	None	

7. Soil Sample? Yes or No

8. General Turf Condition: _____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good **Fair** Poor

Comments: Some areas void of turf
Infield area compacted

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance		X		
Turf Condition		X		
Safety		X		
Support facilities/ equipment		X		
ADA Compliance		X		
Overall:		X		

11. Additional Comments:

Center field conflicts with tennis courts
Close to Mystic Avenue

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Foss Park

Field: MPR Field

Type: Baseball/Softball **Football** **Soccer** Lacrosse **Other(MPR)**

Facilities Manager/Director:

Jim Halloran

Site Address:

40 Fellsway

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas present.

2. Abutters:

North:	90' Diamond
South:	McGrath Highway/Business
East:	McGrath Highway/Business
West:	Pool Building

3. Photo Documents:

4. Geometry Evaluation:

MPR	L: 310±	W: 190±	Runout:

5. Field Subsystems:

Irrigation:	None
Drainage:	None

Lighting:	None
Fencing:	None

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	N/A	
Bases and Home Plate	N/A	
Scoreboards	None	
Backstop	N/A	
Dugout(s)	N/A	
P.A. System	None	
Spectator Seating	None	
Flag Pole	None	
Player Benches	None	
Goals/Goal Posts	None	
Field Marking/Striping	None	
Parking Facilities	@Street	
Site Accessibility	Site is ADA accessible	
Site Safety	Good	
Site Buildings	None	

7. Soil Sample? Yes or No

8. General Turf Condition: ____1_____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: No grass present

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance		X		
Turf Condition	X			
Safety			X	
Support facilities/ equipment		X		
ADA Compliance			X	
Overall:		X		

11. Additional Comments:

No turf growth

Needs to be reconstructed

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GALE

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Foss Park

Field: 90' Diamond/MPR

Type: **Baseball**/Softball Football Soccer Lacrosse **Other(MPR)**

Facilities Manager/Director:

Jim Hallaron

Site Address:

40 Fellsway

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas present.

2. Abutters:

North:	Tennis/Softball
South:	McGrath Highway/Business
East:	McGrath Highway/Business
West:	MPR Field

3. Photo Documents:

4. Geometry Evaluation:

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
90' Baseball	300±	300±	370 ±	25	
60' Baseball					
60' Softball					

5. Field Subsystems:

Irrigation:	Unknown
Drainage:	No formal drainage

Lighting:	No athletic lighting Site lighting
Fencing:	Backstop fair condition No outfield fencing

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Poor need to be replaced	
Bases and Home Plate	HP – Fair Bases not present	
Scoreboards	None	
Backstop	Fair condition	
Dugout(s)	None	
P.A. System	None	
Spectator Seating	Outdated not code compliant	
Flag Pole	None	
Player Benches	Wooden benches behind CLF fair condition	
Goals/Goal Posts	No foul poles	
Field Marking/Striping	N/A	
Parking Facilities	@Street	
Site Accessibility	Site is ADA accessible	
Site Safety	Good	
Site Buildings	None	

7. Soil Sample? Yes or No

8. General Turf Condition: ____3____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: Outfield used as MPR same areas

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance			X	
Turf Condition		X		
Safety			X	
Support facilities/ equipment		X		
ADA Compliance		X		
Overall:		X		

11. Additional Comments:

Overall field needs upgrades

Seasonal maintenance required.

G:\715611\Field Eval\Foss Park\90' DiamondMPR.doc

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Triangle Field

Field: Tufts Property

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other MPR**

Facilities Manager/Director:

Jim Hallaron

Site Address:

Corner of Powder House/College Avenue

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas present.

2. Abutters:

North:	Tuft Campus
South:	Powder house circle/park
East:	Residential homes
West:	Residential homes

3. Photo Documents:

4. Geometry Evaluation:

MPR	L: 220±	W: 170±	Runout:

5. Field Subsystems:

Irrigation:	Unknown
Drainage:	No formal drainage
Lighting:	None
Fencing:	4' perimeter fencing in good condition

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	N/A	
Bases and Home Plate	N/A	
Scoreboards	None	
Backstop	N/A	
Dugout(s)	N/A	
P.A. System	None	
Spectator Seating	None	
Flag Pole	None	

Player Benches	None	
Goals/Goal Posts	None	
Field Marking/Striping	Not presently Striped	
Parking Facilities	On street	
Site Accessibility	Limited	
Site Safety	Good	
Site Buildings	None	

7. Soil Sample? Yes or No

8. General Turf Condition: ___4____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: Turf growth is good.

10. Evaluation Summary:

	Failing/ Unacceptable	Marginally meets intended purpose	Good field Minor deficiencies	Excellent Field Meets/exceeds all requirement
Geometry Compliance		X		
Turf Condition			X	
Safety			X	
Support facilities/ equipment		X		
ADA Compliance		X		
Overall:		X		

11. Additional Comments:

Overall open lawn space marginally meets athletic demands.

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Hodgkins – Curtin Park

Field: 60' Little League Diamond

Type: **Baseball**/Softball Football Soccer Lacrosse Other

Facilities Manager/Director:

Jim Halloran

Site Address:

Holland Street @ Simpson Avenue

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   - No apparent environmental sensitive areas.

2. Abutters:

North:	Site is surrounded by residential homes and business.
South:	
East:	
West:	

3. Photo Documents:

4. Geometry Evaluation:

MPR	L: ----	W: ----	Runout: ----

Field Type:	Left Field:	Right Field:	Center Field:	Backstop:	Other:
90' Baseball	----	-----	-----	-----	-----
60' Baseball	----	-----	-----	-----	-----
60' Softball	195±	195±	195 ±	-----	-----

5. Field Subsystems:

Irrigation:	Yes – irrigation value boxes visible
Drainage:	a. Catch basins around field b. No formal field drainage

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	Rubber set to high Maintenance need to be built up	
Bases and Home Plate	HP – good condition Bases – not present	
Scoreboards	No	
Backstop	Needs to be repaired	
Dugout(s)	No	
P.A. System	No	
Spectator Seating	Yes 4-row bleacher system	
Flag Pole	No	
Player Benches	Aluminum benches good conditions	
Goals/Goal Posts	N/A	
Field Marking/Striping	N/A	
Parking Facilities	On street	
Site Accessibility	Yes, ADA	
Site Safety	Good	
Site Buildings	No site building	

7. Soil Sample? Yes or No

8. General Turf Condition: 4
(Annual maintenance only good condition)

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed - Infield needs to be weeded	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: _____

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance			X	
Turf Condition			X	
Safety			X	
ADA Compliance			X	

Overall:			X	

11. Additional Comments:

- N/A little league field
- No site restrooms other than out house
- Seasonal maintenance only

G:\715611\Field Eval\Hodgkins field evaluation\60' diamond.doc

GALE

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Capuano

Field: MPR Synthetic Turf

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other (MPR)**

Facilities Manager/Director:

Jim Hallaron

Site Address:

150 Glen Street

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

   No apparent environmentally sensitive areas.

2. Abutters:

North:	Residential homes
South:	School
East:	Residential homes
West:	Residential homes

3. Photo Documents:

4. Geometry Evaluation:

Overall MPR	L: 230±	W: 160'	Runout: 15 +

5. Field Subsystems:

Irrigation:	N/A

Drainage:	Assumed synthetic turf stone base
Lighting:	No athletic lighting Site Lighting in good condition
Fencing:	4' CLF surrounding field

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	N/A	
Bases and Home Plate	N/A	
Scoreboards	None	
Backstop	N/A	
Dugout(s)	N/A	
P.A. System	None	
Spectator Seating	Park benches	
Flag Pole	Not seen	
Player Benches	None	
Goals/Goal Posts	Soccer goals good condition	
Field Marking/Striping	Youth soccer	
Parking Facilities	At school	
Site Accessibility	Yes, ADA accessible	
Site Safety	Good	

Site Buildings	School Building	

7. Soil Sample? Yes or No

8. General Turf Condition: 5

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: Synthetic turf in good condition

10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance				X For Youth Soccer
Turf Condition				X
Safety				X

Support facilities/ equipment				X
ADA Compliance				X
Overall:				X

11. Additional Comments:

Great youth soccer field

FIELD EVALUATION
DATA SHEET

Date: 11/28/12

Facility Name: Draw Seven

Field: MPR Field

Type: **Baseball/Softball** **Football** **Soccer** **Lacrosse** **Other**

Facilities Manager/Director:

Jim Hallaron

Site Address:

Foley Street

City: Somerville **State:** MA **Zip:** 02145

Record Information (copy and attach):

	Yes	No
a. Design Plans and Specifications		
b. As-Built Drawings		
c. Site Plan Sketches		
d. Assessors Maps/Plot Plans	X	
e. Aerial Photography	X	
f. Flood Insurance Maps/USGS Maps	X	
g. Town Utility Maps		
h. Other: _____		

1. Are there any wetlands, surface waters, or other environmentally sensitive areas that impact field redevelopment or maintenance?

Type	**N/A**	**Y**	**Distance**
BVW			
Surface Water		X	Mystic River w/100'
Pond			
River			
Wellhead			
Stream			
Lake			
Other			

2. Abutters:

North:	River locks
South:	Railroad
East:	Surface water
West:	Railroad

3. Photo Documents:

4. Geometry Evaluation:

MPR	L: 315±	W: 210'±	Runout:

5. Field Subsystems:

Drainage:	No formal drainage

Lighting:	None
Fencing:	None

6. Ancillary Equipment:
(N/A, Not Present, Poor, Fair, Good, Excellent)

	Condition	Comments
Pitcher's Mound and Rubber	N/A	
Bases and Home Plate	N/A	
Scoreboards	None	
Backstop	N/A	
Dugout(s)	N/A	
P.A. System	None	
Spectator Seating	None	
Flag Pole	None	
Player Benches	None	
Goals/Goal Posts	Soccer goals poor condition	
Field Marking/Striping	Not striped	
Parking Facilities	@ North	
Site Accessibility	Not ADA accessible	
Site Safety	Poor	

7. Soil Sample? Yes or No

8. General Turf Condition: ___1_____

1	2	3	4	5
- Unusable - Significant loss of turf	- Weak growth density - Large areas void of turf	- Fair growth density - Some areas void of turf	- Decent growth density - Minor repairs needed	- Excellent growth density - Seasonal maintenance

9. Appearance: Excellent Good Fair Poor

Comments: No turf growth

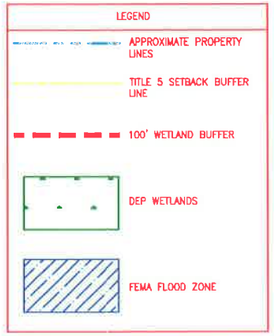
10. Evaluation Summary:

	Failing/ Unacceptable	**Marginally meets intended purpose**	**Good field Minor deficiencies**	**Excellent Field Meets/exceeds all requirement**
Geometry Compliance		X		
Turf Condition	X			
Safety	X			
Support facilities/ equipment	X			

ADA Compliance	X			
Overall:	X			

11. Additional Comments:

Large open area with large areas void of turf



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Boston Baltimore Orlando San Francisco

PROJECT

ATHLETIC FIELDS NEEDS ASSESSMENT AND MASTER PLAN
SOMERVILLE, MA

OWNER

CITY OF SOMERVILLE
93 HIGHLAND AVENUE
SOMERVILL, MA 02143

REVISIONS

NO.	DATE	DESCRIPTION

CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=80'

GRAPHIC SCALE

0 80' 160'

SHEET TITLE

DILBOY PARK CONSTRAINTS MAP

DRAWING NO.

C001

PROJECT NO. 715611

F:\715611\PLOTS\CONSTRAINTS\715611_CONSTRAINTS.dwg, 5/24/2013 11:35:31 AM

LEGEND

- APPROXIMATE PROPERTY LINES
- TITLE 5 SETBACK BUFFER LINE
- 100' WETLAND BUFFER
- DEP WETLANDS
- FEMA FLOOD ZONE

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PROJECT
ATHLETIC FIELDS NEEDS ASSESSMENT AND MASTER PLAN
SOMERVILLE, MA

OWNER
CITY OF SOMERVILLE
93 HIGHLAND AVENUE
SOMERVILL, MA 02143

REVISIONS

NO.	DATE	DESCRIPTION

CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=60'

GRAPHIC SCALE
0 60' 120'

SHEET TITLE
TRUM FIELDS CONSTRAINTS MAP

DRAWING NO.
C010

PROJECT NO. 715611

F:\715611\PLOTS\CONSTRAINTS\715611_CONSTRAINTS.dwg, 5/24/2013 11:41:49 AM

LEGEND

- APPROXIMATE PROPERTY LINES
- TITLE 5 SETBACK BUFFER LINE
- 100' WETLAND BUFFER
- DEP WETLANDS
- FEMA FLOOD ZONE

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PROJECT
ATHLETIC FIELDS NEEDS ASSESSMENT AND MASTER PLAN
SOMERVILLE, MA

OWNER
CITY OF SOMERVILLE
93 HIGHLAND AVENUE
SOMERVILL, MA 02143

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=60'

GRAPHIC SCALE
0 60' 120'

SHEET TITLE

CONWAY FIELDS CONSTRAINTS MAP

DRAWING NO.
C006

PROJECT NO. 715611

F:\715611\PLOTS\CONSTRAINTS\715611_CONSTRAINTS.dwg, 5/24/2013 11:39:29 AM

LEGEND

- APPROXIMATE PROPERTY LINES
- TITLE 5 SETBACK BUFFER LINE
- 100' WETLAND BUFFER
- DEP WETLANDS
- FEMA FLOOD ZONE

GALE

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PROJECT
ATHLETIC FIELDS NEEDS ASSESSMENT AND MASTER PLAN
SOMERVILLE, MA

OWNER
CITY OF SOMERVILLE
93 HIGHLAND AVENUE
SOMERVILL, MA 02143

REVISIONS

NO.	DATE	DESCRIPTION

CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=60'

GRAPHIC SCALE
0 60' 120'

SHEET TITLE
ARGENZIANO LINCOLN PARK CONSTRAINTS MAP

DRAWING NO.
C005

PROJECT NO. 715611

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LEGEND

- APPROXIMATE PROPERTY LINES
- TITLE 5 SETBACK BUFFER LINE
- 100' WETLAND BUFFER
- DEP WETLANDS
- FEMA FLOOD ZONE

GALE

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Engineers and Planners

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Boston Baltimore Orlando San Francisco

PROJECT
ATHLETIC FIELDS NEEDS ASSESSMENT AND MASTER PLAN
SOMERVILLE, MA

OWNER
CITY OF SOMERVILLE
93 HIGHLAND AVENUE
SOMERVILL, MA 02143

REVISIONS

NO.	DATE	DESCRIPTION

CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=40'

GRAPHIC SCALE

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SHEET TITLE

NUNZIATO FIELD CONSTRAINTS MAP

DRAWING NO.
C004

PROJECT NO. 715611

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LEGEND

- APPROXIMATE PROPERTY LINES
- TITLE 5 SETBACK BUFFER LINE
- 100' WETLAND BUFFER
- DEP WETLANDS
- FEMA FLOOD ZONE

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REVISIONS

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CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=80'

GRAPHIC SCALE
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SHEET TITLE

FOSS
PARK
CONSTRAINTS
MAP

DRAWING NO.
C008

PROJECT NO. 715611

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LEGEND

- APPROXIMATE PROPERTY LINES
- TITLE 5 SETBACK BUFFER LINE
- 100' WETLAND BUFFER
- DEP WETLANDS
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CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=40'

GRAPHIC SCALE

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SHEET TITLE

TRIANGLE FIELD CONSTRAINTS MAP

DRAWING NO.
C003

PROJECT NO. 715611

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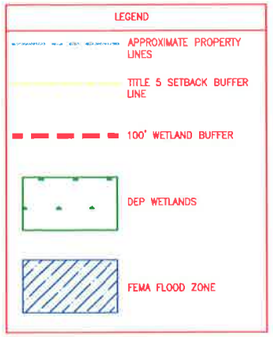

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REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=40'

GRAPHIC SCALE
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SHEET TITLE
HODGKINS CURTIN PARK CONSTRAINTS MAP

DRAWING NO.
C002

PROJECT NO. 715611

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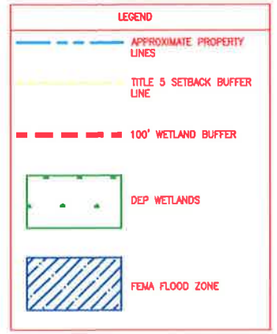

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REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=80'

GRAPHIC SCALE
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SHEET TITLE

CAPUANO
FIELD
CONSTRAINTS
MAP

DRAWING NO.
C007

PROJECT NO. 715611

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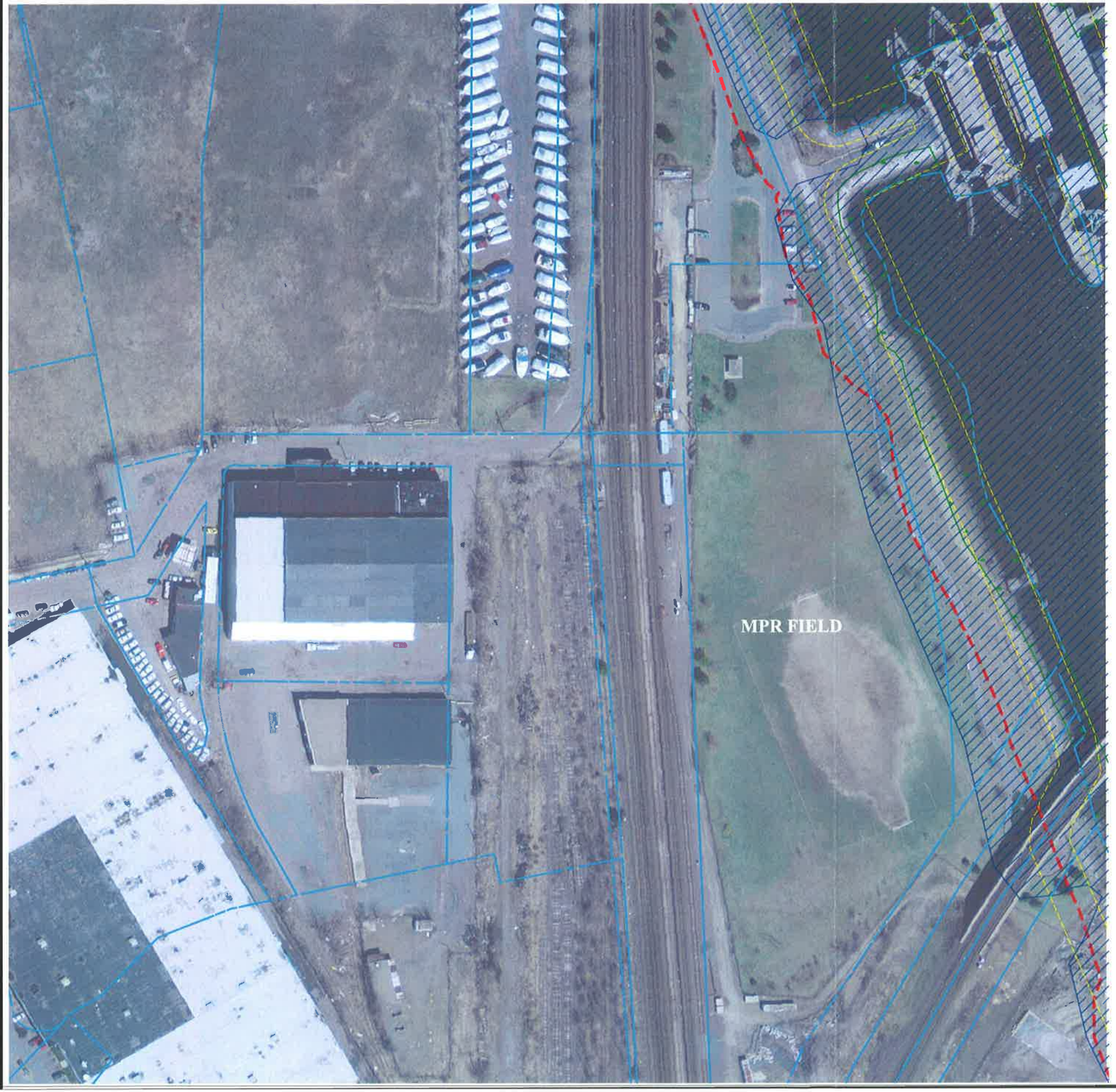

LEGEND

- APPROXIMATE PROPERTY LINES
- TITLE 5 SETBACK BUFFER LINE
- 100' WETLAND BUFFER
- DEP WETLANDS
- FEMA FLOOD ZONE

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REVISIONS

NO.	DATE	DESCRIPTION

CADD FILE	715611
DESIGNED BY	
DRAWN BY	HAM
CHECKED BY	
DATE	12-12-2012
DRAWING SCALE	1"=60'

GRAPHIC SCALE
0 60' 120'

SHEET TITLE

DRAW SEVEN CONSTRAINTS MAP

DRAWING NO.
C009

PROJECT NO. 715611

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Somerville Athletic Fields Study — **Field Use Evaluation - Actual Demand (Scheduled Team Uses)**

User Organization	Somerville User Demand Statistics								Somerville Fields															
	Number Teams	Number Participants	Use Multiplier	% Growth Last 5 Yrs	% Growth Next 5 Yrs	Season Start	Season End	Total Games / Practices	Dilboy Field			Trum Field		Conway		Lincoln Park / Argenziano		Nunziato	Foss Park				Triangle Field	Hodgkins-Curtin Park	Capuano Field	Draw Seven
									MPR Field Synthetic Turf	90' Baseball / MPR	60' Diamond	60' Diamond	90' Diamond	60' Diamond Baseball	60' Diamond Baseball	60' Diamond	MPR Field Natural Turf	MPR Field Natural Turf	90' Diamond / MPR	MPR	60' Diamond	60' Diamond	MPR	60' Diamond	MPR Field Synthetic Turf	MPR Field Natural Turf
Somerville Public Schools																										
Varsity Football			2					104	24					40	40											
JV Football			2					104	24					40	40											
Freshmen Football			2					104	24					40	40											
Boys Varsity Soccer			1.5					117	18										99							
Boys JV Soccer			1.5					111		12									99							
Boys Freshmen Soccer			1.5					111											12 99							
Girls Varsity Soccer			1					78	12								66									
Girls JV Soccer			1					78		8							60								10	
Girls Freshmen Soccer			1					74									8 66									
Varsity Baseball			0.9					63					9 54													
JV Baseball			0.9					66					3						9 54							
Freshmen Baseball			0.9					63					9 54													
Varsity Softball			0.9					63				9 54														
JV Softball			0.9					63								9 54										
Ultimate Frisbee			0.9					126	9								63	54								
Flag Football			1					168	10			63	63												30	
Captains Practice			1					65	25																40	
East Somerville Community School			1					12						12												
Recess / Phys Ed.			0.75					191								45	90	11							45	
Non School Groups																										
Youth Soccer	133	1507	0.8	10.0%	10.0%	SEPT APR	NOV JUN	2266	48	120				4	4	20	65.6 592	259 259	72	72			245 245		101 160	
Youth Baseball (Little League, Legion, Babe Ruth, etc.)	50	280	0.8	FLAT	CONSANT	APR JUL	JUN JUL	700		20	96	32		128	128	80					48	48		120		
Youth Softball	19	250	0.8	200.0%	40-75%	APR	AUG	152				48				40					32	32				
Men's Recreational Softball			0.9					360		135		135							90							
Men's Recreational BaseBall			0.9					135					135													
Men's Recreational Soccer			1.5					735	60										300	300					75	
Pop Warner Football			1.75					154	53					53	49											
Misc.Activities			1					285	5			30		50	50										150	
WACA Kickball			0.75					251						113	113	26										
Womens's Recreational Softball			0.9					119			3	8		36	36	36										
Misc. Field Days			1					107	6	6	6	8	9	6	12	6	6	6	6	6	6	6		6	6	
Pathology Group			1					12						8	4											
Rugby			2					20	20																	
Boston Ski and Sports			1					250	55			195														
Boston Breakers (Womens Soccer)			1					15	15																	
Boston Malilia (Womens Football			1					65	65																	
High School Sports (Matignon, St. Clement)			1					20	10		10															
Boston Social Sports			1					75	75																	
College Eevents (Suffolk, Lesley)			1					265	125				125		15											
		2037		Total Annual Team Uses per Field				7745 7745	683	301	115	582	461	529	531	316	1017	590	840	378	86	86	490	126	617	0

Somerville Athletic Fields Study — **Field Use Evaluation - Actual Demand (Scheduled Team Uses)**

User Organization	Somerville User Demand Statistics: Number Teams	Number Participants	% Growth Last 5 Yrs	% Growth Next 5 Yrs	Season Start	Season End	Total Games / Practices	Somerville Fields: Dilboy Field — MPR Field Synthetic Turf	Dilboy Field — 90' Baseball / MPR	Dilboy Field — 60' Diamond	Trum Field — 60' Diamond	Trum Field — 90' Diamond	Conway — 60' Diamond Baseball	Conway — 60' Diamond Baseball	Lincoln Park / Argenziano — 60' Diamond	Lincoln Park / Argenziano — MPR Field Natural Turf	Nunziato — MPR Field Natural Turf	Foss Park — 90' Diamond / MPR	Foss Park — MPR	Foss Park — 60' Diamond	Foss Park — 60' Diamond	Triangle Field — MPR	Hodgkins-Curtin Park — 60' Diamond	Capuano Field — MPR Field Synthetic Turf	Draw Seven — MPR Field Natural Turf
Somerville Public Schools																									
Varsity Football							52	12					20	20											
JV Football							52	12					20	20											
Freshmen Football							52	12					20	20											
Boys Varsity Soccer							78	12										66							
Boys JV Soccer							74		8									66							
Boys Freshmen Soccer							74											8 66							
Girls Varsity Soccer							78	12								66									
Girls JV Soccer							78		8							60								10	
Girls Freshmen Soccer							74									8 66									
Varsity Baseball							70					10 60													
JV Baseball							73					3						10 60							
Freshmen Baseball							70					10 60													
Varsity Softball							70				10 60														
JV Softball							70								10 60										
Ultimate Frisbee							140	10								70	60								
Flag Football							166	10			63	63												30	
Captains Practice							65	25																40	
East Somerville Community School							12						12												
Recess / Phys Ed.							255								60	120	15							60	
Non School Groups																									
Youth Soccer	133	1507	10.0%	10.0%	SEPT APR	NOV JUN	2833	60	150				5	5	25	82 740	324 324	90	90			306 306		126 200	
Youth Baseball (Little League, Legion, Babe Ruth, etc.)	50	280	FLAT	CONSANT	APR JUL	JUN JUL	875		25	120	40		160	160	100					60	60		150		
Youth Softball	19	250	200.0%	40-75%	APR	AUG	190				60				50					40	40				
Men's Recreational Softball							400		150		150							100							
Men's Recreational BaseBall							150					150													
Men's Recreational Soccer							490	40										200	200					50	
Pop Warner Football							88	30					30	28											
Misc.Activities							285	5			30		50	50										150	
WACA Kickball							335						150	150	35										
Womens's Recreational Softball							132			3	9		40	40	40										
Misc. Field Days							107	6	6	6	8	9	6	12	6	6	6	6	6	6	6	6	6	6	
Pathology Group							12						8	4											
Rugby							10	10																	
Boston Ski and Sports							250	55			195														
Boston Breakers (Womens Soccer)							15	15																	
Boston Militia (Womens Football							65	65																	
High School Sports (Malignon, St. Clement)							20	10		10															
Boston Social Sports							75	75																	
College Eevents (Suffolk, Lesley)							265	125				125		15											
		2037	**Total Annual Team Uses per Field**				**8200**	**601**	**347**	**139**	**625**	**490**	**521**	**524**	**386**	**1218**	**729**	**672**	**296**	**106**	**106**	**612**	**156**	**672**	**0**
							8200																		

SCHEMATIC

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PROJECT
ATHLETIC FIELDS
ASSESSMENT AND MASTER PLAN
SOMERVILLE, MA

OWNER
CITY OF SOMERVILLE
93 HIGHLAND AVENUE
SOMERVILLE, MA 02143

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	
DESIGNED BY	
DRAWN BY	WAH
CHECKED BY	WJS
DATE	4/4/13
DRAWING SCALE	1"=30'-0"

GRAPHIC SCALE

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SHEET TITLE

PROPOSED
LAYOUT
ARGENZIANO
LINCOLN PARK

DRAWING NO.
OPT 1+2

PROJECT NO. 715611

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CADD FILE	
DESIGNED BY	
DRAWN BY	WAH
CHECKED BY	WJS
DATE	4/4/13
DRAWING SCALE	1"=30'-0"

GRAPHIC SCALE
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SHEET TITLE
PROPOSED
LAYOUT
TRUM

DRAWING NO.
OPT 1
PROJECT NO. 715611

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CADD FILE	
DESIGNED BY	
DRAWN BY	WAH
CHECKED BY	WJS
DATE	4/4/13
DRAWING SCALE	1"=30'-0"

GRAPHIC SCALE
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SHEET TITLE

PROPOSED
LAYOUT
TRUM

DRAWING NO.
OPT 2

PROJECT NO. 715611

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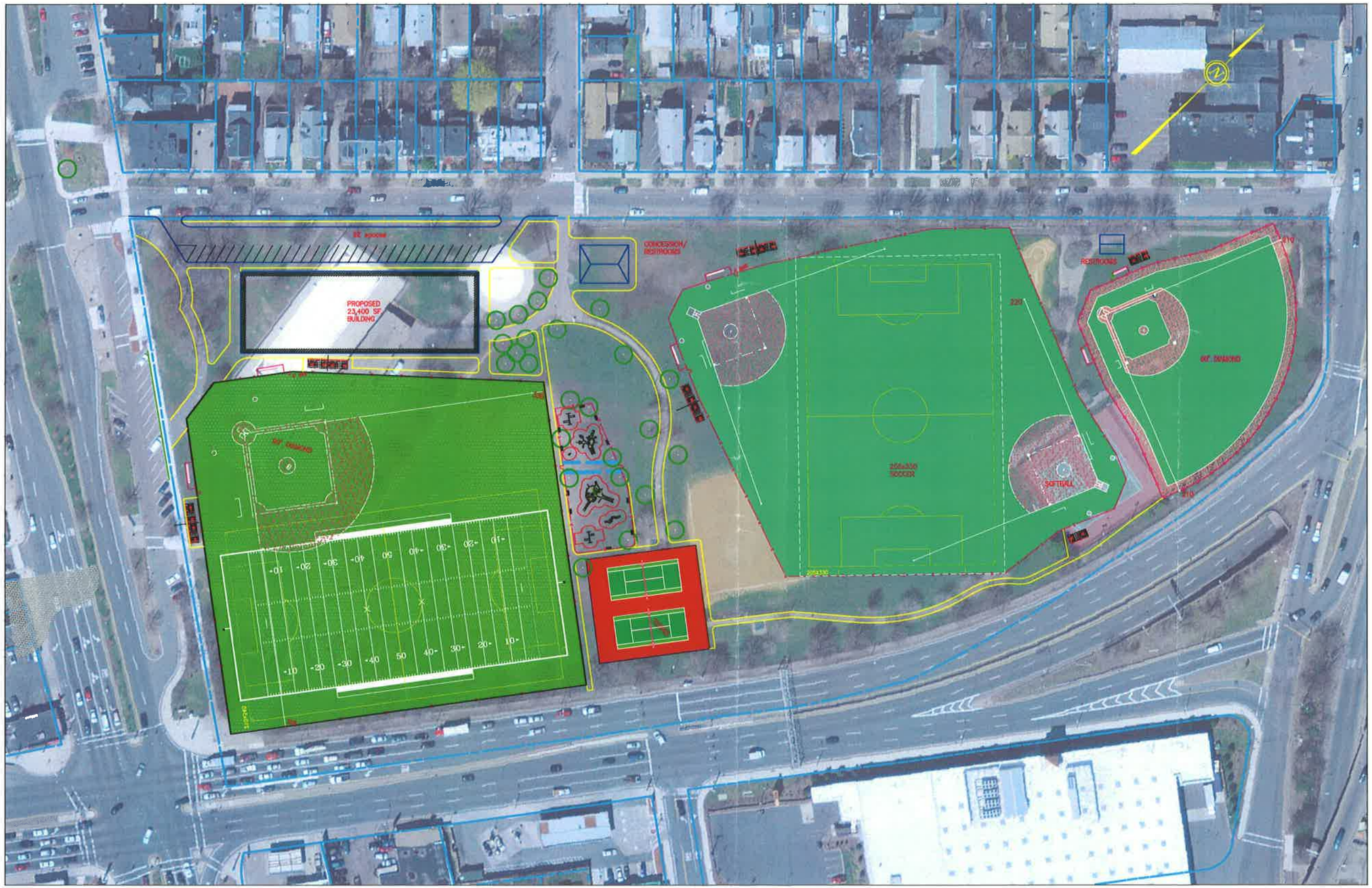

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CADD FILE	
DESIGNED BY	
DRAWN BY	WAH
CHECKED BY	WJS
DATE	4/4/13
DRAWING SCALE	1"=50'-0"

GRAPHIC SCALE

0 50' 100'

SHEET TITLE

PROPOSED
LAYOUT
FOSS

DRAWING NO.

OPT 2

PROJECT NO. 715611

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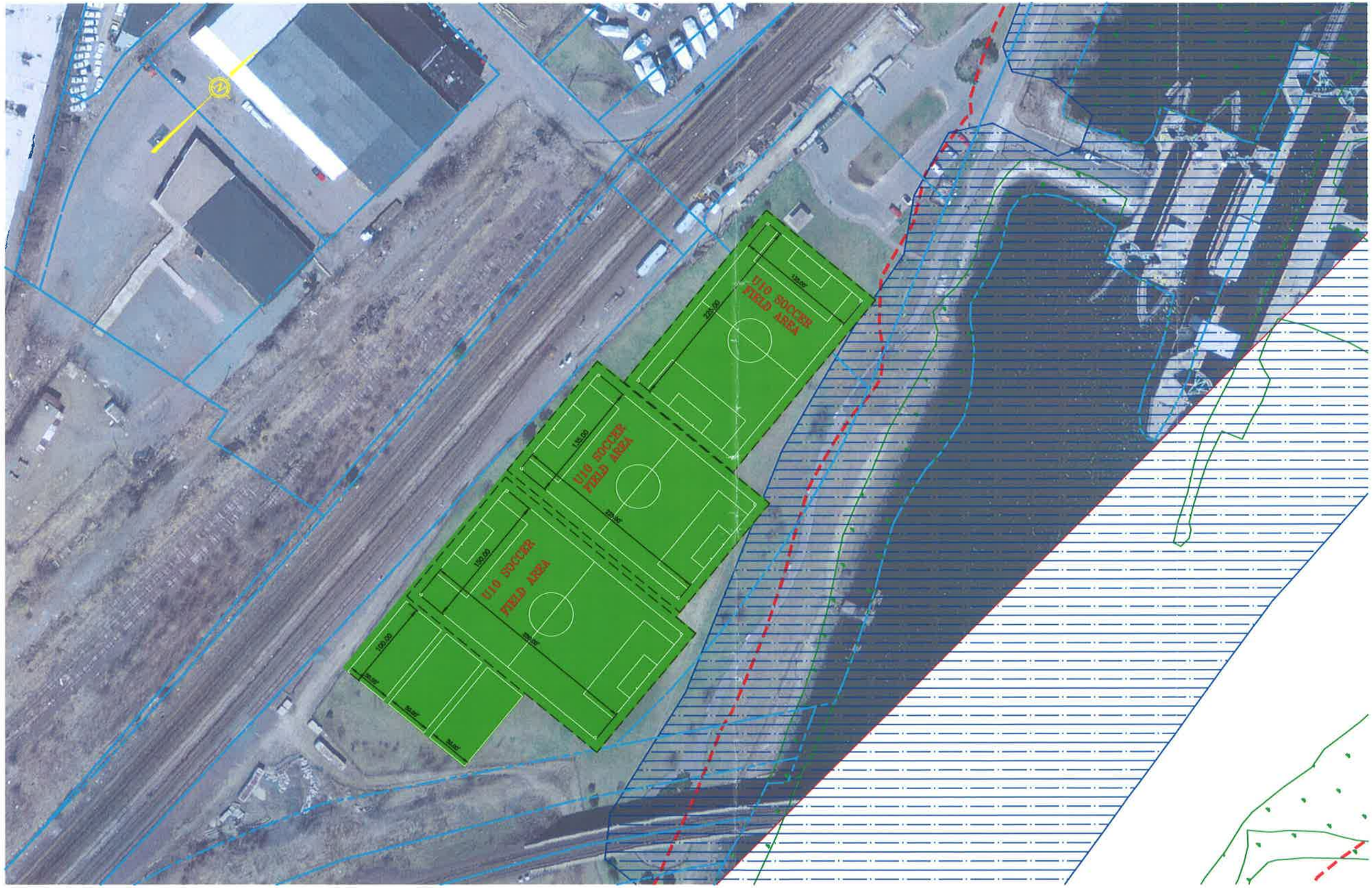

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CADD FILE	
DESIGNED BY	
DRAWN BY	WAH
CHECKED BY	WJS
DATE	4/4/13
DRAWING SCALE	1"=50'-0"

GRAPHIC SCALE
0 50' 100'

SHEET TITLE
PROPOSED LAYOUT DRAW

DRAWING NO.
OPT 2

PROJECT NO. 715611

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FIELD USE ANNUAL SUMMARY - ACTUAL TEAM USES v PROPOSED OPT -1					
Field Location	**Field**	**Field Type**	**Total Annual Uses**	**Proposed Uses**	**Comments**
Dilboy Field	Field 1	MPR - Synthetic	601	601	
	Field 2	90' Diamond / MPR	347	300	14% Reduction in Use
	Field 3	60' Softball	139	250	
Trum Field	Field 4	60' Softball	625	700	Synthetic
	Field 5	90' Baseball	490	700	Synthetic
Conway Field	Field 6	60' LL / MPR	521	450	14% Reduction in Use
	Field 7	60' LL / MPR	524	450	14% Reduction in Use
Lincoln Park	Field 8	60' Softball	386	250	Reconstruct
	Field 9	MPR - Natural	1218	1218	Synthetic
Nunziato	Field 10	MPR - Natural	729	600	18% Reduction in Use
Foss Park*	Field 11	90' Diamond / MPR	672	500	26% Reduction in Use
	Field 12	MPR - Natural	296	250	16% Reduction in Use
	Field 13	60' Softball	106	250	
	Field 14	60' Softball	106	250	
Triangle Field*	Field 15	MPR - Natural	612	506	17% Reduction in Use
Hodgkins-Curtin Park	Field 16	60' LL	156	250	
Capuano Field	Field 17	MPR - Synthetic	672	675	
Draw Seven*	Field 18	MPR - Natural	0	0	
		Total	8200	8200	

*** Not owned by the City of Somerville**

LL = Little League

MPR = Multipurpose Rectangular

FIELD USE ANNUAL SUMMARY - ACTUAL TEAM USES v PROPOSED OPT-2					
Field Location	**Field**	**Field Type**	**Total Annual Uses**	**Proposed Uses**	**Comments**
Dilboy Field	Field 1	MPR - Synthetic	601	601	
	Field 2	90' Diamond / MPR	347	250	28% Reduction in Use
	Field 3	60' Softball	139	250	
Trum Field	Field 4	60' Softball	625	300	New Amenities (52% Reduction in Use)
	Field 5	90' Baseball	490	300	New Amenities (39% Reduction in Use)
Conway Field	Field 6	60' LL / MPR	521	403	23% Reduction in Use
	Field 7	60' LL / MPR	524	403	23% Reduction in Use
Lincoln Park	Field 8	60' Softball	386	250	Reconstruct (35% Reduction in Use)
	Field 9	MPR - Natural	1218	1218	Synthetic
Nunziato	Field 10	MPR - Natural	729	350	52% Reduction in Use
Foss Park*	Field 11	90' Diamond / MPR	672	675	New 90' Diamond / MPR Synthetic
	Field 12	MPR - Natural	296	675	New 90' Diamond / MPR Synthetic
	Field 13	60' Softball	106	250	New
	Field 14	60' Softball	106	250	New
	Field 19		0	250	New Little League Field
Triangle Field*	Field 15	MPR - Natural	612	350	43% Reduction in Use
Hodgkins-Curtin Park	Field 16	60' LL	156	250	
Capuano Field	Field 17	MPR - Synthetic	672	675	
Draw Seven*	Field 18	MPR - Natural	0	250	Reconstructed
			0	250	New MPR
		Total	8200	8200	

*** Not owned by the City of Somerville**

LL = Little League

MPR = Multipurpose Rectangular

ENCLOSURE 7

RECOMMENDED MAINTENANCE REGIMEN FOR CITY OF SOMERVILLE RECREATION FACILITIES

The implementation of a Master Plan is only effective if the work completed is properly maintained and if an inclement weather policy is enforced. This section of the report defines those activities that are routinely accomplished in the maintenance of high quality athletic fields during the course of a year to allow for the use allotment associated with this Master Plan.

The designated City Field Coordinator should be responsible for coordinating the maintenance of City athletic fields, the athletic fields at K-12 schools, small parks and public grounds. Maintenance of these facilities includes mowing, aerating, fertilizing, irrigation and system maintenance, weed and insect control, litter cleanup, leaf removal, marking fields, and support for civic activities. The areas for which maintenance would be included under the jurisdiction of the designated City Field Coordinator are broken down into two categories: athletic fields and small parks/public grounds.

Within those categories, the City can break down the site into two (2) priority categories as defined below. The priority category dictates the level of maintenance that each site receives. In general, the more frequently used athletic fields, which are used and partially funded by those paying user fees, are Category I.

Category I. Category I sites include natural turf field facilities utilized for athletic league competition and recreation. These sites tend to be high visibility sites utilized by multiple user groups. Because the users of these fields pay user fees, field expectations are elevated, and the fields are expected to be available and to perform throughout the calendar year.

Category II. Category II fields can be described as secondary support sites, generally containing two (2) or less fields. These are highly use fields that may have intermittent rest periods at intervals during the year. These fields exhibit internal flaws affecting year round playability. Fields are maintained on a regular basis but do not receive additional cultural practices to maximize use. Due to growing scheduling demands for field space, some fields may require upgrading into Maintenance Category I.

Athletic Fields

Soil Testing and Turf Inspection. Soil tests should be taken annually by April 1st. Samples should be submitted to an Agronomy Laboratory. The testing will establish the insitu pH and micronutrient deficiencies for each field and prescribe an amendment strategy to result in optimal turf grass development. Additionally, by establishing the actual turf grass requirements, rigorous testing of each field results in "as-needed" applications that are environmentally sensitive and cost effective. Results will be due to Somerville by May 1st of that same year.

An individual worker can accomplish the soil testing. A single worker can sample and ship an estimated ten (10) playing fields per day. The approximate cost of analysis is $25 per sample, with four (4) samples per field, at a cost of $100 per field (including shipping).

Turf inspection is also critical as the turf is an integral part of the playing experience. Safety concerns and visual aesthetics are the primary reasons for turf inspection.

In addition to the formal turf inspection done in conjunction with soil sampling, maintenance crews should observe the conditions of the field they are on while performing regular maintenance. They should also be aware of possible safety issues such as divots, low spots, broken sprinkler heads, and the turf moisture level. Any such issues are then reported to the designated person in charge.

Spring Cleanup and Facilities Inspection and Repairs. The spring cleanup should be a deliberate, planned evaluation and repair program that addresses each field in the City. It should begin as early as weather allows equipment to be on the fields without damaging the athletic turf, usually in late March to early April.

There are a number of valuable facility inspection checklists for overall park safety and serviceability, which should be executed for each playing field and its associated facilities (e.g., seating, scoring, public toilets, concessions, lighting, irrigation, etc.). The resultant inspection record and the recommendations therein must be compiled into a prioritized listing of maintenance and repair requirements.

One of the most critical early spring maintenance requirements is the inspection and servicing of the irrigation system at each field. The irrigation system servicing should include:

1. Turn the power on to the irrigation controller.
2. Open the valves to the water source, including all system-isolated valves that were used for the winterization.
3. Visually inspect any pump systems and clean out any dust and debris that have settled on and around the pump.
4. Check the tension on any belts to the pump.
5. Once the pump is inspected, activate the pump with the controller and allow the irrigation main to pressurize.
6. Walk the water line route and check for any leaks at the valve locations.
7. Once this is complete, turn on each irrigation zone (one at a time) and again inspect the water coverage and make sure each sprinkler head is operational. It is a good practice to keep a supply of sprinkler heads and electronic valve starters in stock so that defective ones can be replaced without delay.

For purposes of a budget development, it is impossible to predict the overall spring cleanup and repair effort required, as it will vary from year-to-year and from field-to-field depending on factors like winter damage, vandalism, and deferred maintenance. We have

made a general assumption that the overall assessment of each field take 0.25 man-days, the servicing the irrigation systems takes 10 man-days, and that the actual cleanup and repairs required at each field take 1.5 man-days. Based on Gale's experience with similar City s, these are reasonable estimates.

The level of effort required for spring cleanup is not specified in detail due to the variability of the effort required from year-to-year.

Fall Cleanup, Leaf Removal, and Late Fall Facilities Inspection and Repair and Irrigation System Winterization. The fall cleanup program should be a deliberate, planned evaluation and repair program that addresses each field in the City. It should be begun as early as the use of the fields allows and be completed before cold weather threatens the irrigations system, usually by mid-November.

As noted in the spring cleanup section, there are a number of valuable facility inspection checklists for overall safety and serviceability that should be executed for each playing field and its associated facilities (seating, scoring, public toilets, concessions, lighting, irrigation, etc.). The resultant inspection record and the recommendations therein must be compiled into a prioritized listing of maintenance and repair requirements, and the resultant work orders should be completed during the winter and early spring.

One of the most critical early fall maintenance requirements is the inspection and winterization of the irrigation system at each field. The winterization of your irrigation system is vital to the longevity of the system and does not require a great deal of time. There are several steps to shutting down and winterizing the system.

1. Disconnect the electrical supply to both the controller and any pumps within the system.
2. Shut off the water supply source (well or public water).
3. "Blow-out" the remaining water within the system.
4. As portions of the system are clear of water, close any isolation valves to that part of the system.
5. Once the entire system is purged, the winterization is complete.

The winterization of the existing irrigation systems will take approximately 10 man-days. If the City was to hire an irrigation company, a budget $400/field for winterization should be carried.
The other significant, labor-intensive requirement during the fall cleanup is leaf removal. The removal of leaves from athletic turf and planting beds is essential to their long-term health. We have assumed that a system of manually operated and truck/tractor mounted blowers are used for this purpose.

For purposes of a budget development, it is impossible to predict the fall cleanup and repair effort required, as it will vary from year-to-year and from field-to-field depending on factors like playing season damage, vandalism, and deferred maintenance. We have made a general assumption that the overall assessment and the actual cleanup and repairs

required take approximately 0.75 man-days per acre. Based on Gale's experience with similar City s, these are reasonable estimates.

Fertilizing. Fertilizing is done in order to provide micronutrients to the soil and acts as a "food" for the turf-grass plant. Fertilization should generally be done in the early spring and summer, and supplemented on selected fields in the fall, as needed. This ensures that sufficient nutrients are available to develop healthy root zones during the peak growth period of May and June. Fertilization should be directly related to soil tests performed on an individual field. Once soil sample data has been obtained, fertilizer with the proper nitrogen/phosphorus/potassium ratio should be obtained and applied at recommended rates.

While actual requirements will be dictated by testing results, for planning purposes, important fields should receive three (3) or more applications of fertilizer (3 pounds of Nitrogen per 1,000 square feet) per year. The City Field Coordinator will determine the nitrogen weight based on the rating of the actual fertilizer used.

During any one application, no more than one (1) pound of nitrogen will be applied per 1,000 square feet at any time. The Field Coordinator will also determine the release time of the fertilizer based on field conditions, anticipated use, and time of year.

A granular materials spreader generally applies fertilizer. Organic, inorganic and/or synthetic fertilizers can be applied by hand, walk-behind methods or contracted out for large applications. Calibration must be done to equipment according to ground speed, size of material and application rate. Rate is determined by the needs of the turf and type of soil, which affects movement of the fertilizer and availability to the grass plants. Application must be done in a uniform, even pattern to avoid stripping, caused by too much or not enough fertilizer applied. The turf should be watered after application.

Rate needs to be determined by analysis of soil and/or tissue samples. Large applications are based on per acre, per hour. Small applications are based on square footage rate. A typical field takes approximately two and one half (2.5) man-hours, or one and one quarter (1.25) man-hours per acre, to fertilize and requires a materials spreader, utility truck and trailer. The fertilizer itself is approximately $3.00 per pound and covers at a rate of three (3) lb per 1,000 s.f. Hence, a 100,000 s.f. soccer field requires 300 lb of fertilizer at a cost of approximately $1,000.

Lime Application. Lime application will generally be conducted during the last two (2) weeks of November. Lime requires up to six (6) months to break down and have the desired effect on soil pH.

Lime should be applied to soil based on the pH results of the soil testing. Not more than 50 pounds of lime per 1,000 square feet shall be applied at any time. Lime is typically spread using a granular materials spreader, and a typical field can be completed in approximately two (2) hours with motorized equipment.

Aeration. Aeration alleviates compaction and develops deep-rooted turf. It is accomplished by creating spaces in the turf, which allow moisture, nutrients and oxygen to penetrate to the root zone. Aeration also breaks up thatch, which helps contribute to the organic content of the soil and breaks the mat on the soil surface.

An aerator extends "fingers" into the earth and "shatters" the soil. The best aeration method is a ½ inch + hollow tine aerator that removes plugs from the soil. When done over a period of years and followed by top dressing with sand, the City can actually improve the character of the root zone, and its ability to drain properly and resist compaction better.

Aeration is generally performed as follows:

1. Walk the field to remove rocks and trash.
2. Water the field and let soak for several hours if the moisture level is not adequate to allow penetration.
3. Flag the sprinkler heads and valve boxes on perimeter of fields if necessary.
4. Core-aerate twice, once each in opposite directions to maximize the number of holes per square foot.
5. Allow cores to dry out.
6. Light-drag the area to break up cores on the surface.

Core aerating is usually done in conjunction with top dressing. Core to a depth of 2 ½ inches to 3 inches for most parks and turf areas that are under stress from compaction or wear, and 4 inches to 5 inches penetration for athletic fields with the need to break the compaction zone.

A slicing aerator can be used during the playing season without affecting the field playability.

The frequency of aeration is highly variable depending on field use, soil structure, field condition and need to achieve field classification playing conditions. Soccer goal mouths are aerated a minimum of 21-30 days. The following break down applies to one (1) person per task:

Core aeration:	70 minutes per field per occurrence
Deep tine aerating:	90-100 minutes per field per occurrence
Goal and wear areas:	30 minutes per field per occurrence

For the purpose of this report, we have assumed that the aerating for all athletic fields is performed in the fall in conjunction with top dressing and over-seeding. The high use areas of the multi-use rectangular fields should be aerated monthly. Parks and other open space areas will only be aerated on an as-needed basis and have not been included in the regular maintenance regimen.

Top Dressing. Top dressing for will be conducted as the designated City Field Coordinator deem necessary. If possible, top dressing should be done in conjunction with aerating and over-seeding.

Top dressing adds soil, sand or other beneficial organic material and soil amendments (as determined by turf needs) to the surface of the turf. It should always follow core aerating. It is a medium for seed and fertilizer, as well as a method of changing a soil profile without totally ripping up the soil, amending it and re-sodding. When properly dragged in, the top dressing also fills pores made during core aerating and is an effective way to fill low spots as they occur.

Material is spread from a hopper, conveyor or top dresser or the process can be done by hand in areas such as soccer goalmouths. It is generally performed as follows:

1. Obtain site-specific soil samples, observe soil density, thatch thickness, root structure and soil composition.
2. Evaluate needs of the field and determine appropriate mix to offset problems observed in the sample.
3. Order mix and have delivered to site.
4. Inspect and fill low areas by hand.
5. Fill the top dresser, check conveyer and material drop mechanism.
6. Distribute evenly over the playing surface following a prescribed pattern.
7. Surface can then be lightly dragged or raked.

Top dressing is generally done once a year however may be done twice a year and more if a field or soil demand, and the use of the field, allows. Soccer goalmouths are top dressed following core aeration. This task usually takes one (1) person three to four (3-4) hours for full field application, while goal mouths take as little as 15-20 minutes per goal area.

Over-seeding. Over-seeding is recommended for athletic fields that are used in both the fall and spring seasons. Over-seeding is the spreading of seed over bare areas or areas that are stressed in order to develop new turf grass. Over-seeding is recommended for fields that are used for both the fall season and spring seasons. The field must have ample down time to allow for the growing period. It is a process of spreading seed over a stand of turf to enhance (fill in) stressed or bare areas, to establish new turf, or to improve the conditions of the turf. Over-seeding should be especially concentrated on in the late summer to fall because it allows turf grass germination and development to occur when moisture conditions are optimum and weed competition is minimal. Over-seeding should be conducted after aeration has been done, and should be spread over stressed or bare turf areas. Fertilizer should be added after over-seeding has been conducted.
Over-seeding can be done by different methods, which are usually determined by the size of the area to be over-seeded. Mechanical seeder – for entire fields or area of comparable size or larger. Broadcast spreader and dragging or raking – used for areas like sidelines or goals mouths. Mix with topdressing for low areas or when repairs are made around irrigation heads or lateral repairs. Mechanical involves a tractor and over-seeder.

Preparation of the area should involve compaction relief by roto-tilling or aeration generally performed as follows:

1. Grade, level and crown, if needed.
2. Add soil amendments to reduce compaction.
3. Add fertilizer for seed germination.
4. Determine rate of seed application from size of seed and condition of the area to be over-seeded. Bare areas require a higher rate than over-seeding an established turf stand.
5. Always ensure the seed has contact with the soil after application. Do this by dragging or applying a thin layer of topdressing and a light drag or brooming.
6. Soil contact is critical for germination and sustained growth.
7. Set irrigation operation to maintain satisfactory soil moisture at all times. After germination, maintain moisture level, mow at 2 ½ inches and fertilize every 21 days until plants reach maturity.

Over-seeding is done as needed, depending on the amount of wear and the ability to create germination conditions. Over-seeding takes one (1) person 90-100 minutes per field, depending upon equipment used and the size of area being over-seeded.

Mowing. Mowing is done to avoid having the grass go to seed, to maintain a safe, playable surface, and to maintain a healthy vigorous stand of turf. Mowing is also performed to maintain a healthy viable carpet of plants. It encourages root depth, root mass and rhizome development. It is done to keep the plants at a height that provides safe footing and a cushion for falls.

Mowing on most fields and park areas during seasonal use will be conducted normally once a week. Mowing heights will be adjusted from 2.5 inches from the growing season until mid-July, 3.5 inches from mid-July to mid-September, and then gradually brought back down to 2.5 inches. As a general rule, not more than 1/3 of the blade should be cut at any one time during any mowing activities.

Mowing will not be conducted when frost is present on the ground, the ground is muddy, or during rainfall. Clippings may be discharged on site. The direction of mowing will change each week.

Hand mowers, rotary mowers and reel mowers can accomplish mowing practices. The guidelines for mowing are:

1. Mower blades should be kept sharp at all times even if this means sharpening every day.
2. Remove no more than 1/3 of the grass plant at any one mowing.
3. The rate of turf growth determines mowing frequency, but no more than 7 days between mowing is to be achieved.
4. Mow in alternate direction to avoid layover of turf blades and compaction.

5. The user groups should agree upon the height of the turf, which should remain the same through the growing season. Two and a half (2 ½) inches for blue grass is recommended.

The equipment used and the amount of the plant being cut off determine optimum square foot per hour. The time needed to perform this task will vary depending on the mowing equipment being used.

Weed Control and Pesticide Applications. Pest control activities at Somerville municipal fields should adhere to integrated pest management (IPM) practices. IPM is an approach to pest control, which seeks to anticipate and address the full range of physical, cultural, and biological factors affecting the development of pest populations at a given site. The gathering of information on potential pest populations ensures that as the turf becomes established, the maintenance staff has the knowledge and tools necessary to anticipate and address likely pest problems.

Pesticides should be used sparingly and by licensed applicators. Chemicals used must be of recent manufacture, and have quick and effective results. Chemicals that may present health hazards will not be used. Somerville and the designated City Field Coordinator shall approve any chemical used on a field.

Scarify and Drag a Dirt Infield. During in-season play, it is important to periodically scarify and drag the clay-stone dust infields. Scarifying loosens the soil to relieve surface compaction, maintains softness of the infield while cutting down high spots and fills-in low spots. The resultant surface plays truer with more predictable ball performance. The soil is loosened to a depth of ¾ inches to 1 inch. This procedure can also be done to open and dry out a field after rain or snow.

To scarify, an infield groomer with a scarifying attachment is utilized to drag the infield beginning at the pitcher's mound and circling second base and home plate and ending in a circular pattern around first base and home plate in the opposite direction of the subsequent level drag. Apply a light sprinkling of water to the surface to prevent drift and dust when dragging.

To level drag, the drag is equipped with bars in the front and back to level high spots, fill low spots and break up the soil clods from scarifying. Level dragging is done with a flat surface. When done correctly, ground balls play better and the infield will not "puddle" as much after a rain shower.

1. Start at pitcher's mound and drive a cloverleaf pattern twice to pull dirt back into the holes around the bases.
2. Move to the outside edge of the infield and start the circular pattern.
3. Circle the infield making smaller circles each time around until you are making as tight a circle as possible around the pitcher's mound.
4. Move to the outside edge of the infield, raise the drag and pick up the equipment. Rake out any infield mix left by the drag.

5. Replace the bases if they were removed and mark the playing field to league specifications.

To light drag, groomer is equipped with a broom or a mat on the back. The drag may also be pulled by hand. This can compact the field, so it is done quickly and efficiently as a final game preparation to reduce clumps and expose rocks. Broom or use a smaller drag along grass edges to avoid any infield dirt.

Scarify: Daily. After a rain scarification may be needed twice. This task takes approximately 45 minutes per occurrence per field.

Level Drag: Daily. This task takes approximately 30 to 45 minutes per occurrence per field.

Light Drag: Daily. This task takes approximately 20 minutes per occurrence per field to complete.

Striping. Installing visual "lines" to delineate the limits of play activity on a baseball/softball field or football/soccer field is a significant maintenance requirement requiring dedicated resources. It is typically done in conjunction with grass cutting and infield raking or dragging to prepare for play.

Baseball line delineation is generally accomplished as:

1. Assemble the following equipment: string line, hammer, 2 nail spikes, calcium carbonate (put ½ bag at a time in the dry spreader), dry liner, batter's box template and a 100-foot tape measure.
2. Set a nail spike at the back point of home plate. Attach a string line to the spike at home plate and walk down the fair line past the base and 10 feet into the turf.
3. Set anchor pin on the outside edge of the fair line. Wrap string line around the spike and pull tight.
4. Walk toward home plate and locate the appropriate base anchor. Measure and mark in the dirt the appropriate coach's box.
5. Walk to home plate with the template and mark the appropriate batter's boxes.
6. Walk to the area at the end of the dugout nearest home plate and mark on deck circles near the end of the dugout, 3'-4' from the fence.
7. Line the batter's box, fair line, coach's box and on desk circle.
8. Move the string line to the opposite fair line and repeat steps 3-10. Rake out the batter's boxes and pitcher's area inside the lines.

Procedure for lining batter's boxes (home plate area):

1. Build or purchase the correct size template for batter's box. Place the template in the correct position on home plate. If measuring with a tape, remember all box measurements are from the center outside point of the plate.
2. Trace your template in the dirt. Remember the template is the outside dimension of the box so apply the dry marker on the inside of the lines.
3. Remove the template and apply dry marker.

Procedure for pitcher's circle, which is required for all fast pitch leagues:

1. Locate the center front of the pitcher's plate.
2. Set a spike or nail with a tape attached.
3. Measure out the correct length on the tape.
4. Trace the circle around the pitcher's plate.
5. Apply dry marker to the outside of the scribed line.
6. Remove the location nail or spike.

During Class A tournaments, this activity could occur as often as every game or as seldom as every fourth game. Specific standards may be modified contingent upon requirements of league play or tournament play. Lining an infield normally takes one (1) person 20 minutes.

Installing visual "lines" to delineate the limits of play activity on a multi-purpose rectangular field. Placing of accurate lines decreases confusion among players, officials and fans during critical times of competition and establishes the dimensions of a sanctioned playing field. Multi-purpose rectangular field striping is generally accomplished as follows:

1. Establish the correct measurements according to the age/or ability of the users.
2. Establish a hub or starting point on a corner.
3. Using a 300' tape measure, check the length and width for clearance from all obstacles including curbs, trees, berms, etc. The recommended clearance from the line to any obstacle is ten (10) yards or thirty (30) feet.
4. Once a corner is established, set up a transit. There are other methods of layout, but we prefer the use of a surveyor's transit. Set the transit over the hub.
5. Measure the end line and set a marker through the transit. Using an additional tape measure, extend to the correct length.
6. Rotate the transit 90° from the end line marker and set the correct length through the transit.
7. Relocate the transit over the opposite end line marker. Site on your starting marker and use the tape and transit to locate the other side line and corner marker.
8. Using the four corners you can now measure out and mark with stakes, all of the interior lines according to the age or group using the field.
9. Use a string line to connect the stakes and paint in all lines.

The layout procedure will require two (2) people approximately three (3) to four and one half (4 ½) hours per full size field. These estimates are consistent with Gale's experience with similar fields.

Routine Unscheduled Repairs. The designated City Field Coordinator or personnel in charge should conduct inspections weekly, typically in conjunction with the mowing and striping of the field, or as deemed necessary.

During inspection, a field walkover should be conducted in order to determine the condition of the field. Any defects in the field surface, fencing, bases, plates, dugouts, lights, or other items should be noted and immediately repaired. For purposes of estimating the resources required to maintain the fields properly, we have assumed that each field requires some unscheduled repairs during the season in which it is in use.

"Off-Season" Maintenance Requirements. There are off-season maintenance activities, which must be accomplished to properly set the stage for the next turf grass season. A partial listing of these activities is as follows:

- Annual services on all maintenance equipment. This generally includes thorough inspection and repair, a change of all fluids, sharpening, calibration, filter replacement, and tuning.
- Inventory of all hand tools and materials, and ordering replacements as needed.
- Staff professional development training on such topics as Integrated Turf management requirements, OSHA safety, etc.

Irrigation Operations. The irrigation season typically runs from June through August. During that period, each field footprint should receive one-half (1/2) inch of irrigation per week. We assume that all irrigation systems are on timers. For the purpose of estimating the costs of irrigation, we have included the start up and shut down of the system under spring and fall cleanup. The cost of water will be based on the cost per gallon of water for the 35 irrigated acres, at ½-inch per week, over the 12-week irrigation season, or 5.7 million gallons of water per season.

The procedures described above are those activities that are routinely accomplished in the maintenance of high quality athletic fields and manicured open space areas during the course of a year. However, based on the City's current resources, this level of effort will not be applied to all fields.

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Somerville Athletic Fields Study — **Field Use Evaluation - Actual Demand (Scheduled Team Uses)**

User Organization	Somerville User Demand Statistics								Somerville Fields															
									Dilboy Field			Trum Field		Conway		Lincoln Park / Argenziano		Nunziato	Foss Park				Triangle Field	Hodgkins-Curtin Park	Capuano Field	Draw Seven
	Number Teams	Number Participants	Use Multiplier	% Growth Last 5 Yrs	% Growth Next 5 Yrs	Season Start	Season End	Total Games / Practices	MPR Field Synthetic Turf	90' Baseball / MPR	60' Diamond	60' Diamond	90' Diamond	60' Diamond Baseball	60' Diamond Baseball	60' Diamond	MPR Field Natural Turf	MPR Field Natural Turf	90' Diamond / MPR	MPR	60' Diamond	60' Diamond	MPR	60' Diamond	MPR Field Synthetic Turf	MPR Field Natural Turf
Somerville Public Schools																										
Varsity Football			2					104	24					40	40											
JV Football			2					104	24					40	40											
Freshmen Football			2					104	24					40	40											
Boys Varsity Soccer			1.5					117	18										99							
Boys JV Soccer			1.5					111		12									99							
Boys Freshmen Soccer			1.5					111											12 99							
Girls Varsity Soccer			1					78	12								66									
Girls JV Soccer			1					78		8							60								10	
Girls Freshmen Soccer			1					74									8 66									
Varsity Baseball			0.9					63					9 54													
JV Baseball			0.9					66					3						9 54							
Freshmen Baseball			0.9					63					9 54													
Varsity Softball			0.9					63				9 54														
JV Softball			0.9					63								9 54										
Ultimate Frisbee			0.9					126	9								63	54								
Flag Football			1					166	10			63	63												30	
Captains Practice			1					65	25																40	
East Somerville Community School			1					12						12												
Recess / Phys Ed.			0.75					191								45	90	11							45	
Non School Groups																										
Youth Soccer	133	1507	0.8	10.0%	10.0%	SEPT APR	NOV JUN	2266	48	120				4	4	20	65.6 592	259 259	72	72			245 245		101 160	
Youth Baseball (Little League, Legion, Babe Ruth, etc.)	50	280	0.8	FLAT	CONSANT	APR JUL	JUN JUL	700		20	96	32		128	128	80					48	48		120		
Youth Softball	19	250	0.8	200.0%	40-75%	APR	AUG	152				48				40					32	32				
Men's Recreational Softball			0.9					360		135		135							90							
Men's Recreational BaseBall			0.9					135					135													
Men's Recreational Soccer			1.5					735	60										300	300					75	
Pop Warner Football			1.75					154	53					53	49											
Misc.Activities			1					285	5			30		50	50										150	
WACA Kickball			0.75					251						113	113	26										
Womens's Recreational Softball			0.9					119			3	8		36	36	36										
Misc. Field Days			1					107	6	6	6	8	9	6	12	6	6	6	6	6	6	6		6	6	
Pathology Group			1					12						8	4											
Rugby			2					20	20																	
Boston Ski and Sports			1					250	55			195														
Boston Breakers (Womens Soccer)			1					15	15																	
Boston Malitia (Womens Football			1					65	65																	
High School Sports (Matignon, St. Clement)			1					20	10		10															
Boston Social Sports			1					75	75																	
College Eevents (Suffolk, Lesley)			1					265	125				125		15											
		2037		Total Annual Team Uses per Field				7745	683	301	115	582	461	529	531	316	1017	590	840	378	86	86	490	126	617	0
								7745																		