

Athletic Field Maintenance

Fairfax County Park Authority
Park Operations Division

Todd Brown- Division Director

Dan Sutherland- Park Management Branch Manager

Kevin Williams- Centralized Grounds Services Branch Manager

Sam Burris- Turfgrass Specialist

Inventory

	FCPA	FCPS/BOS*	TOTAL
Diamonds	144	214	358
Rectangles	118	181	299
Synthetic	38	8	46
Irrigated	115	71	186
Lighted	113	-	113

* Only those maintained by "School Field Maintenance Program".



Budget/Staff “Resources”

- ❑ Park budget- \$2.7 M
- ❑ School budget- \$1.86M
- ❑ Staffing
 - ❑ FCPA- 6 management areas
 - ❑ FCPS- 1 contract manager



FCPS Program

- ❑ Elementary, Middle & Centers (EMC)
- ❑ High School Diamonds
- ❑ All contracted services:
 - ❑ Mowing
 - ❑ Infield Grooming
 - ❑ Infield Renovation
 - ❑ Turf Program
 - ❑ Irrigation



Park Field Standards

<u>Maintenance Task</u>	<u>Field Types</u>		
	Diamonds	Rectangles	Synthetic
Base, Plate & Rubber Inspection, Infield Raking & Dragging	2 x Week	-	2 x Week (no dragging)
Refuse Removal	2 x Week		
Amenity Inspections	Weekly		
Mowing Frequency: Cool season grass Height Bermudagrass Height	2 x Week 2 ½" Maintained to 3 ½" Max ¾" to 1 ½" Maintained (no more than 1/3 cut)		-
Warning Tracks	Weekly	-	
Irrigation Systems Programming	Weekly		-
Irrigation Systems Inspections	Monthly		-
Lighting Systems Inspections	Every 2 Weeks		
Minor Repairs & Renovations	As Needed & As Funding is Available		
Lining	Pre-Season		As Needed
Turf Program	Irrigated & Non-Irrigated Programs		-
Surface Debris Removal	As Needed		
Surface Grooming	-		Every 2 Weeks
Surface Reconditioning & GMax Testing	-		Annually



Equipment



Turf Program

Cool Season Turf

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Nutrients												
Balanced Fertilizer									Balanced			
Balanced Fertilizer with 80%slow release											Balanced	
Weed Control												
Fertilizer + Pre-emergent					Pre-emerg							
Liquid Pre-emergent				Pre-emerg								
Broad leaf					Broad leaf							
Insecticide												
Grub control				Grub								
Cultural Practices												
Core Aerification			Aeration						Aeration			
Seed									Seed			
T-Nex (growth regulator)				T-Nex	T-Nex							
Base Cost Per Acre												

*A Nutrient Management Plan (NMP) will be written,soil test will be done and a lime/gypsum will be applied every every three years. *



Turf Program

Warm Season Turf

	# of Apps	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Nutrients													
Balanced Fertilizer	1						Balanced						
22-0-0 15% SCU	2							Nitrogen					
Balanced Fertilizer	1									Balanced			
Weed Control													
Fertilizer (low N) + Pre-emergent	1			Pre- Emergent									
Broad Spectrum + Pre-emergent	1					Broad Spectrum							
Cultural Practices													
Core Aerification	2							Aerification					
Base Cost Per Acre													

*A Nutrient Management Plan (NMP) will be written and a soil test will be done every three years at no cost to Adopt-A-Field (AAF) Partner. *



Synthetic

❑ Maintenance Program



Synthetic



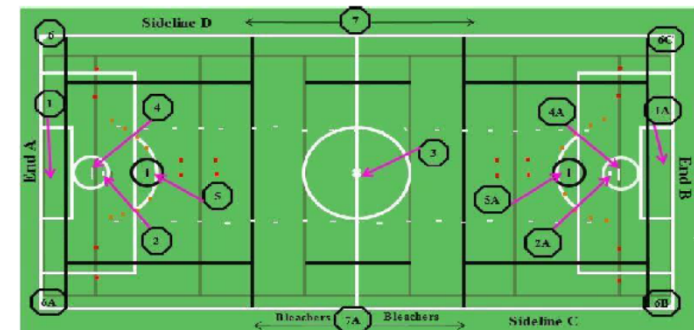
FCPA Synthetic Turf Work Sheet- Rectangle

Park Name & Field #:		Crew:			
Date:	Task performed: (circle)	Infill check	Broom/Magnet	Broom/Magnet/Rake	
Field condition: (Circle one)	Poor: Fibers worn down/curling over; Infill material is on top of turf fibers; Infill depths are low and unfillable; Inlays are missing and need major repairs; Infill material is building up on the sidelines.				
	Fair: Fibers are starting to curl over; Infill material is staying in the profile and lying on the top; Can still replenish infill material; Some inlay repairs				
	Good: Fibers are standing up; Infill depths are to FCPA standards; Inlays are bright and visible.				
Test Location & Depth: (mm)		Specific Location Description			
1.	1A.	3 Ft. from goal line towards center line on ends A and B			
2.	2A.	Penalty kick mark on ends A and B			
3.		At the center line of the field			
4.	4A.	3 Ft. from the Women's lacrosse goal line towards the center line on ends A and B (White circle)			
5.	5A.	3 Ft. from the Men's lacrosse goal line towards the center line on ends A and B (Black circle)			
6.	6A.	All four corners			
6B.	6C.				
7.	7A.	Outside of the side line, 30 Ft from either side of the Center line; Please mark exact location on diagram.			

FCPA Standard infill depth is 20mm - 33mm

General Comments

Please circle any repairs. How many repairs: _____ The amount of infill used: _____



"Smart" Irrigation



WeatherTRAK

Home | Sites | Smart Irrigation | Asset Manager | Budget Monitor | Compliance Monitor | Alerts | Reports

Controllers | Manage Controller | Manual | Program | Learn Flow

Account: Fairfax County Park Authority | Site: Area 1 | Controller: Cunningham-00000010

Controller Status: Winterized | Model: Pro3 | Version: 7.5.4 | Microcode: 1004775 | ET Subscription End: 02/12/2017 | Quick Report: 20 Days Runtime | 20 Days Flow | Printable View | Daily ET: 0.09

Program Controller

Setup | Flow | Station Flow | Data Tools | Station | Custom Fields | Notes | Report All | Database All

Save & Test | Cancel

Configuration On Controller: Unarmed configuration

Save Config | Compare Configs | New Configuration

Setup

Time Zone: Eastern

Auto Daylight Savings: On

Max Active Stations: 14

Stack or Overlap: Overlap

MAD Limit Switch: On (Normal Irrigation)

Runtime Valve Test: On

Max Backup ET: 1.50 (Backup ET Full Month July) (0.00 - 9.99)

Flow

Station Flow

#	Station Name	Station Flow Rate			Station High Flow Threshold (HFT)			Station Low Flow Threshold (LFT)				
		Learned Flow Rate Date	User Defined GPM	Assigned GPM	High Flow Offset %	Calculated GPM (ASF + Offset)	User Defined GPM	Assigned GPM	Low Flow Offset %	Calculated GPM (ASF - Offset)		
1	1-Outlet Ditch	8/24/2016 9:40:00 AM	0.1	73.0	73.0	80.0%	38.0	100.0	100.0	80.0%	38.0	26.5
2	1-Backstop	8/24/2016 9:40:00 AM	22.0	40.0	40.0	80.0%	20.0	80.0	100.0	80.0%	20.0	20.0
3	1-Outlet Center Back	8/24/2016 9:51:00 AM	72.0	73.0	73.0	80.0%	38.0	100.0	100.0	80.0%	38.0	36.5
4	1-Outlet Center	8/24/2016 9:54:00 AM	66.0	40.0	92.0	80.0%	48.0	130.0	100.0	80.0%	48.0	46.0
5	1-Outlet Right	8/24/2016 9:57:00 AM	48.0	37.0	37.0	80.0%	18.0	80.0	100.0	80.0%	18.0	18.5
6	1-Outlet Right Back	8/24/2016 9:58:00 AM	21.0	55.0	55.0	80.0%	27.0	82.0	100.0	80.0%	27.0	27.5
7	1-Outlet Left	8/24/2016 9:59:00 AM	70.0	73.0	73.0	80.0%	38.0	100.0	100.0	80.0%	38.0	36.5
8	2-Outlet Back	8/24/2016 9:59:00 AM	78.0	80.0	92.0	80.0%	48.0	130.0	100.0	80.0%	48.0	46.0
9	2-Outlet Left	8/24/2016 9:59:00 AM	31.0	37.0	37.0	80.0%	18.0	80.0	100.0	80.0%	18.0	18.5



Adopt-A-Field

- ❑ Full Adoption:
 - ❑ Partner responsible for all basic maintenance
 - ❑ Benefits: improved playing conditions, year round use, business activity fees waived, sponsor banners allowed
- ❑ Partial Adoption:
 - ❑ Partner allowed to perform infield maintenance, supplementing what Staff performs
 - ❑ Benefits: improved playing conditions
- ❑ 68 fully adopted & 49 partially adopted fields
- ❑ 32 different partners in the program, 24 of which are full adoption partners



Questions

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