

PRELIMINARY

REVISED

MASTER PLAN REPORT

OF

FORT HUNT PARK

PREPARED FOR:

FAIRFAX COUNTY PARK AUTHORITY

JOSEPH P. DOWNS, DIRECTOR
LOUIS A. CABLE, ASSISTANT DIRECTOR
JAMES A. HEBERLEIN, ASSISTANT DIRECTOR
DONALD F. LEDERER, SUPERINTENDENT OF DESIGN

AUTHORITY MEMBERS

JAMES F. WILD, CHAIRMAN
FREDERICK M. CRABTREE, VICE CHAIRMAN
BARBARA B. CLARK, SECRETARY-TREASURER
KAYE SLOAN BURKE
JAMES LEWIS, III
JOHN MASTENBROOK
ALAN E. MAYER
DR. ROBERT D. MOSS
DOROTHY S. NORPEL
RAYMOND W. PHILIPPS

PREPARED BY:

FAIRFAX COUNTY PARK AUTHORITY STAFF EDWARD NENSTIEL, LANDSCAPE ARCHITECT

TABLE OF CONTENTS

SECTION	PAGE NO.
BACKGROUND	2
Policy 600	2
Policy 601	3
Current Approved Master Plan	5
Existing Conditions	4
Fort Hunt Location Map	6
INTRODUCTION	7
Purpose	7
Definitions	
Objectives	8
STUDY AREA	8
Location	•
Service Area	8
Population	8
Utilities	9
Nearby Parks and Schools Map	10
Nearby Parks and Schools	11
FCPA Facility Standards	11
PROGRAM DEVELOPMENT	13
Requests	13
PRELIMINARY MASTER PLAN DESCRIPTION	13
LIGHTING DETAILS	14
PRELIMINARY REVISED PLAN	16
DEVELOPMENT COST ESTIMATE	17

DEVELOR	PMENT	PHASI	ING .	SCHEDULE	•	•	•	•	• •	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	19
ANNUAL	OPERA	TING	AND	MAINTEN	ANC	Œ	CO	ST	ES	TI	1AT	'E									•	•	•		•	•	20

BACKGROUND DATA

In May 1969, the Park Authority adopted a master plan for Fort Hunt Park located in the lower Mount Vernon Supervisory District immediately adjacent to the Fort Hunt Elementary School. The adopted plan included a tot lot, a play apparatus area, two tennis courts, a softball field, a little league field and a system of walks and trails tying the development to the school and surrounding community.

In the Fall of 1972, the two tennis courts were constructed. During the 1973 season, athletic fields (a softball field and a soccer field) were established on the site and in the Spring of 1974 play apparatus was also installed. No additional development has been done at this park/school site since that time. See plan of existing conditions.

In the 1982 Bond Referendum, \$40,000 was allocated for Fort Hunt Park to be spent for partial lighting for (1) baseball/softball field and (1) soccer/football field. This project was selected by the Park Authority based on Park Advisory Committee activities, Park Authority and County staff recommendations and citizen involvement. The \$40,000 allocation was scheduled to become available in FY 89.

In July of 1983, the Mount Vernon District Park Authority member at the request of the Fort Hunt Youth Athletic Association requested that funding be moved forward and that a revision to the master plan be started. As a result of that request funding was moved forward and is available for construction beginning July 1, 1984.

It is with this background and consideration of the Park Authority Policy shown below that a possible revision for consideration to the Fort Hunt Park master plan has been undertaken.

POLICY 600 - Master Plan Design/Development

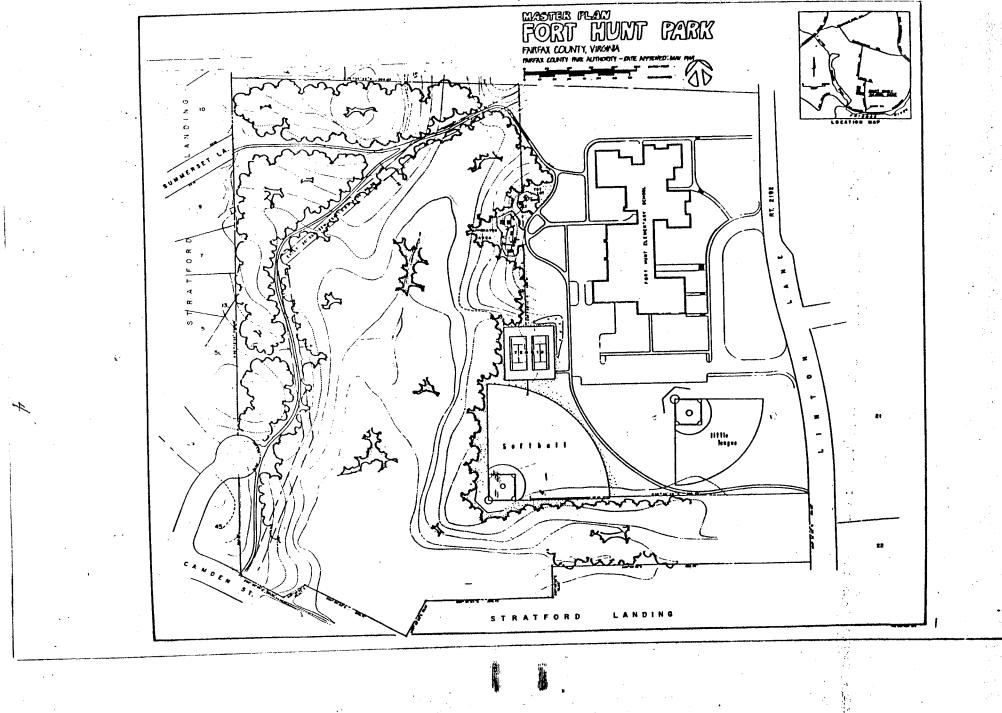
Development of parklands, recreational facilities and historical sites shall proceed in accordance with environmental controls, the approved plans of the Authority and the ability of the Authority to maintain and operate them once they are developed. The Authority shall determine that adequate citizen input has been considered and shall hold a public hearing on the design prior to adoption.

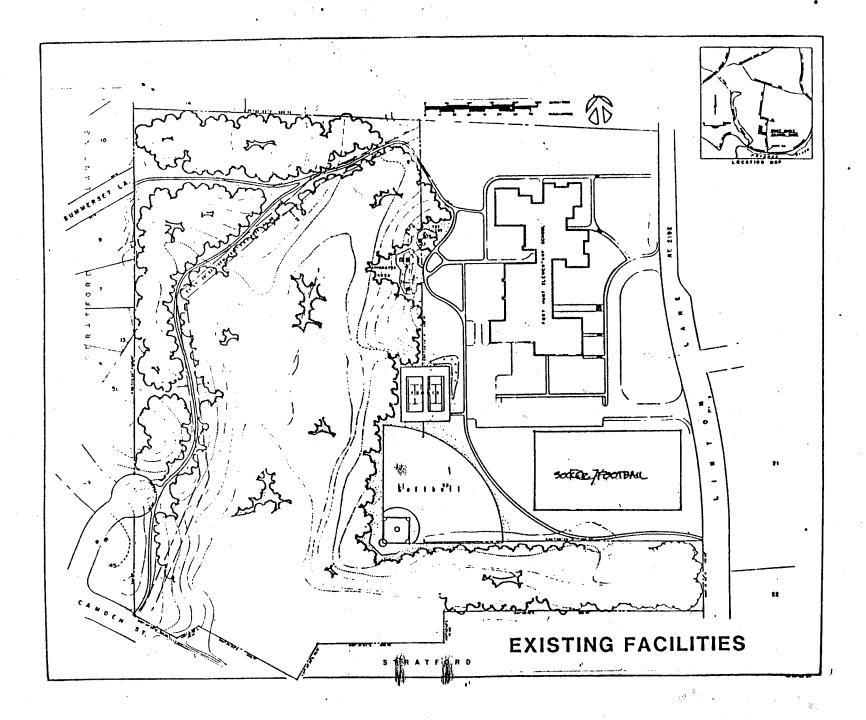
Master plan design/development for parks and facilities shall be ordered by the Authority on the basis of the Five Year Plan. Each plan shall include a design showing the number, size, kind and location of the facilities to be placed on the site and designation of those facilities to be lighted; narrative descriptions of the phasing of construction where necessary, projected time schedules and cost estimates for development. The yearly maintenance and operation cost projections shall be submitted with the plan. Any plan that has imp; cations for another agency of the county shall be discussed with that agency. That input shall be considered early in the design process and reviewed by the Authority prior to sending the plan to public hearing. For example, a proposed recreational facility might need programming that would require the Department of Recreation and Community Services to make budgetary adjustments.

Interim Use Designs shall be ordered for a site so classified after the Design Division has submitted an interim use plan which the Authority has determined feasible and after a preliminary public hearing or survey is held to determine citizen needs and interests in the proposed park use of the property. An interim use plan shall include a basic layout of facilities as to their general location and size and projected time schedules and costs of development. The interests of other county agencies in the use shall be reported and considered by the Authority and the design sent to public hearing prior to adoption by the Authority.

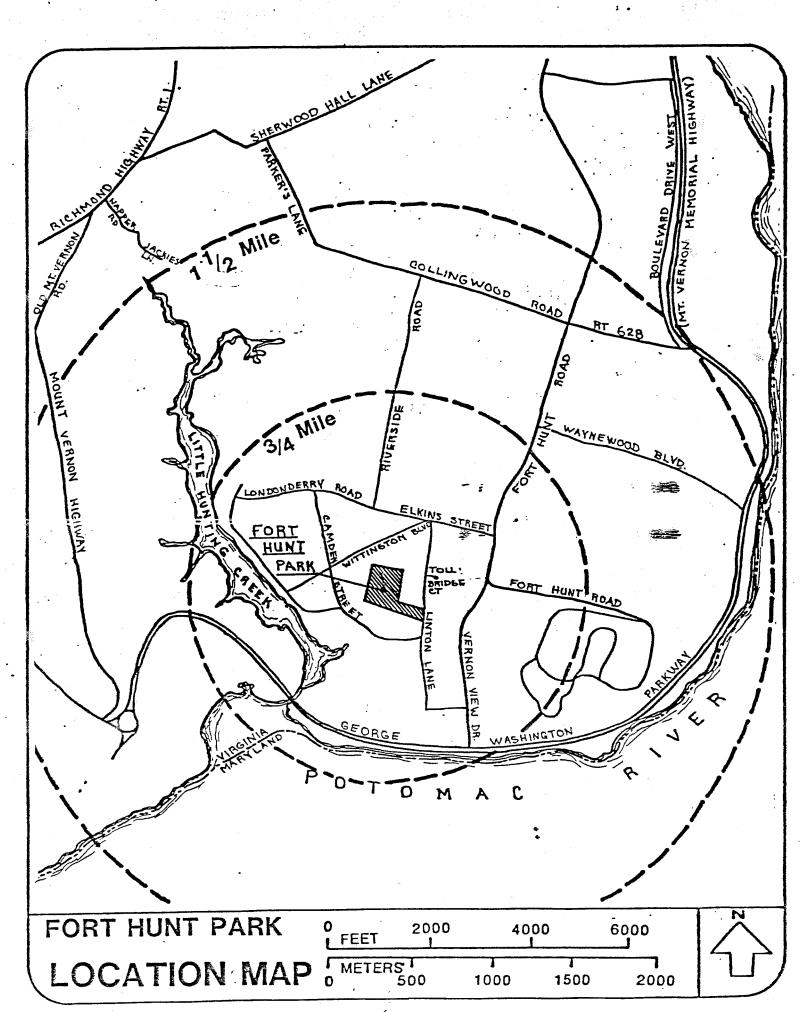
POLICY 601 - Procedure for Adopting Master Plan Design

Master Plans may be reconsidered after an extended period of time at the option of the Fairfax County Park Authority. Any major change of a master plan design will be accomplished in the same manner as its adoption.





a



INTRODUCTION

Purpose:

The purpose of this report is to provide background information and to explain the methodology used and the decisions which were made in the preparation of the revised Master Plan for the development of Fort Hunt Park. It has been prepared to supplement the graphic master plan and to provide a ready source of information for future design and development plans.

Definitions:

Master Planning

Master planning is the process of arranging man-made and natural objects on the land so as to create an orderly and functional park within the limits of environmental awareness and community recreational needs. A master plan is a guide for future development that can be changed if circumstances require. The master plan is the first step in the planning process and is prepared prior to construction of park facilities. Development of the master-planned facilities may take place over an extended period of time (five, ten, or more years), depending on the size of the park and the capital construction funds available.

At the heart of the master planning process is the careful evaluation of such diverse and unusual conflicting factors as site potentials and constraints, current citizen desires existing facilities and projected future needs, existing site uses and accommodation of differing types of potential users. No single factor can assume overriding precedence and each must be weighed carefully in this process of creating a park which offers utilitarian features within an aesthetically pleasing environment.

The existing and proposed system of Fairfax County parks attempts to establish full opportunity for all residents and visitors to make constructive use of their leisure time through the provision of recreational and cultural programs within safe, accessible and enjoyable parks. Additionally, the park system serves as the primary public mechanism for the preservation of environmentally sensitive land and water resources.

Community Park

Fort Hunt Park is classified as a community park. This is the most frequently occurring park type and is designed to provide for daily recreation within an waban setting. Community parks are, therefore, oriented towards a short duration of recreation in active or passive uses. They are designed to emphasize short term visits and are convenient and often accessible by foot or bicycle for after-school, after-work, or weekend activities, with limited or no

parking. The criteria for the selection of this type of park are flexible so as to allow for a maximum of local citizen comment on the selection, design, development, and operation of the site.

Community parks are the smaller ones serving the county's numerous neighborhoods and generally range in size up to 25 acres. Facilities often provided in fully developed community parks may include playgrounds, tot lots, athletic fields, open play areas, basketball courts, benches, walks, gardens, picnic areas, tennis courts, shelters with restroom/concession facilities, parking, trails and lighting where necessary. Wooded tracts provide the sites for a variety of passive uses.

Service Area

The primary service area of a community park is a 3/4 mile radius from the park. This distance is considered convenient for pedestrian or bicycle access, and generally defines the area where most of the park's frequent users live. A secondary service area of 1-1/2 mile radius is considered to further define recreational deficiencies and interest on a broader scale since all F.C.P.A. park facilities are open for use by the general public from any area.

Objectives:

It is the objective of this preliminary revised master prento establish the basic guidelines for the redevelopment of Fort Nunt Tark. It is a further objective to provide this in a manner responsive to the desires of the potential park users, estimates of community needs and with minimal disruption of the existing physical conditions.

STUDY AREA

Location:

Fort Hunt Park is a 19.02 acre parcel located in the Mount Vernon Supervisory District (111-1 ((1)) 19) at 8822 Linton Lane. The Park is bounded on the east by Fort Hunt Elementary School and Linton Lane, on the north, west and south by the Stratford Landing community.

Service Area:

As discussed in the introduction to this report, for planning purposes, the primary service area is about 3/4 mile from the center of the park. This service area is further defined by physical constraints or barriers preventing a person from conveniently reaching the park such as highways or impassable streams. In this case, the primary service area is defined by Little Hunting Creek on the west, George Washington Parkway on the south, Fort Hunt National Park on the east and a line approximately 3/4 mile from the park on the north.

Population:

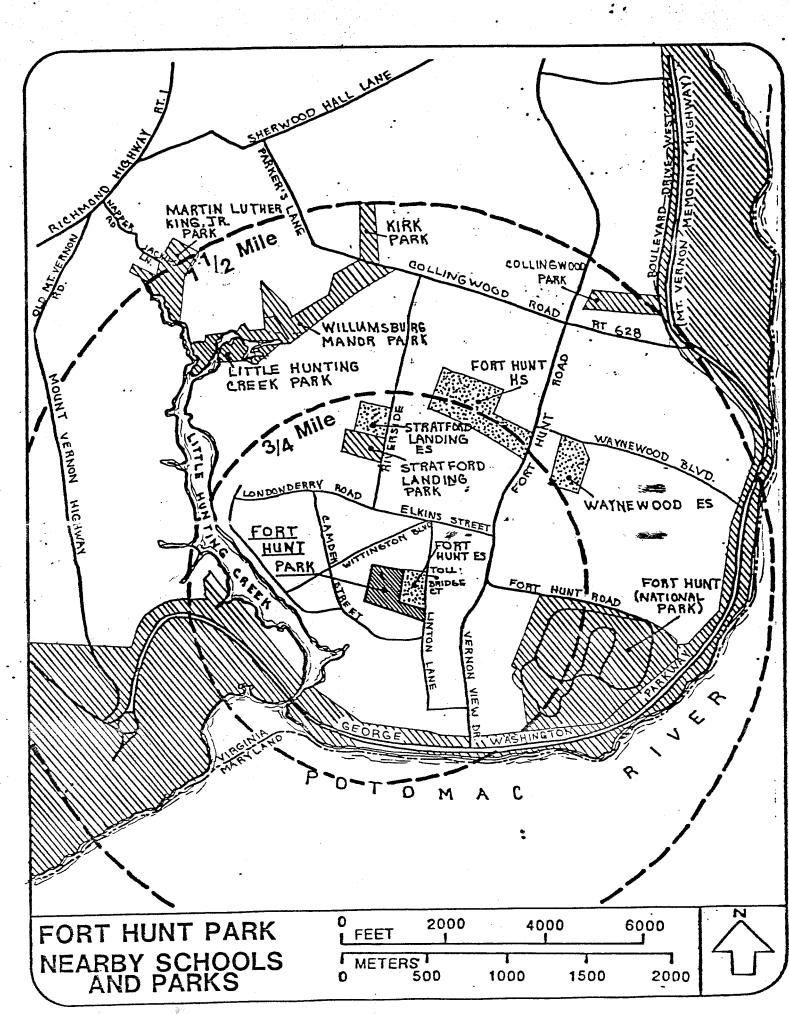
Analysis of current and potential development in the park service area indicated there are approximately 4800 individuals within the primary service area. Expanding the study area to include the 1.5 mile secondary area increases the estimated population to 13,500 individuals.

STUDY AREA cont.

Utilities:

Utilities are available to the site along Linton Lane and

include water, sewer, electric and gas.



NEARBY PARKS AND SCHOOLS

Within a 3/4 mile radius of the park site are the following parks and schools and their associated recreation facilities.

and their associated rec	i eat	1011	Iaci	116	25.	,			1					
Park/School	Walking trail	Natural area	Picnic area	Playground	Little league field (60')	Baseball field (90')	Basketball court	Soccer field	Tennis court	Track	Baseball field (75')	Practice tennis	Tot lot	Football field
Stratford Landing Park	•	•	•	• *		-			2		•	•		: : : :
Stratford Landing Elem				ě	2		2	•				•		
Waynewood Elem.				•	•		2	•	·		2			
Ft. Hunt Elem.				•	•	- ,	2	•	2				•	
Ft. Hunt H.S.					•	2	3	•	.8	•				•

Based on an estimated population of 4800 people within the 3/4 mile service radius, the following facility standards apply:

FCPA Facility Standards as Related to 3/4 Mile Area

Facility	FCPA Facility Standard	Needed Facilities	Existing Park Facilities	Existing School Facilities	Surplus/ Deficiency
Tot lot Baseball Softball Tennis Basketball/ multi-use Swim pool	1-500 people 1-15000 people	10 1 2 4	2 0 0 2 0	4 4 10 9	-4 +3 +2 +8 -1
Golf course Soccer	1-25000 people 1-1500 people	0 3	0.	4	0 +1

Within a $1\frac{1}{2}$ mile radius of the park site are all of the above parks and schools plus the following:

Parks/Schools	-11	Walking trail	Picnic Area	Playground	Little League field (60')	Open play area	Tot lot	Parking	Golf course (18 holes)	Basketball court	-	ا	ourt		Nature Area	Pool (outdoor)	Practice tennis
Williamsburg Manor	•		•	•			•			•					•	领、	
Little Hunting Creek Park															•	٠.	
Kirk Park																	
Martin Luther King Park	•		•	•			•			2	•	•	2 .		•	•	
Collingwood Park							_	•		•	•	2	7				
Mt. Vernon High School				•	2		*	_ •	ř.	2	•	•	7_	•			
Stephen Foster Int. School					2					2	•	•	2			·	

Based on an estimated population of 13,500 people living within the $1\frac{1}{2}$ mile radius, the following facility standards apply:

FCPA Facility Standards as Related to 1½ Mile Area

Facility	Facility Standard	Needed Facilities	Existing Park Facilities	Existing School Facilities	Surplus/ Deficiency
Tot lot Baseball Softball Tennis Basketball/	1-500 people 1-6,000 people 1-3,000 people 1-1,200 people	27 2 4 11	6 3 0 6	5 6 8 19	-16 + 7 + 4 +14
multi-use Swim pool Golf course Soccer	1-500 people 1-15,000 people 1-25,000 people 1-1,500	1 0 9	1 0 2	0 0 6	0 0 - 1

PROGRAM DEVELOPMENT

Requests:

The Fort Hunt Youth Athletic Association in July 1983, requested that the existing softball field be upgraded by reorienting the field, extending the baseline and adding lights.

PRELIMINARY REVISED MASTER PLAN DESCRIPTION

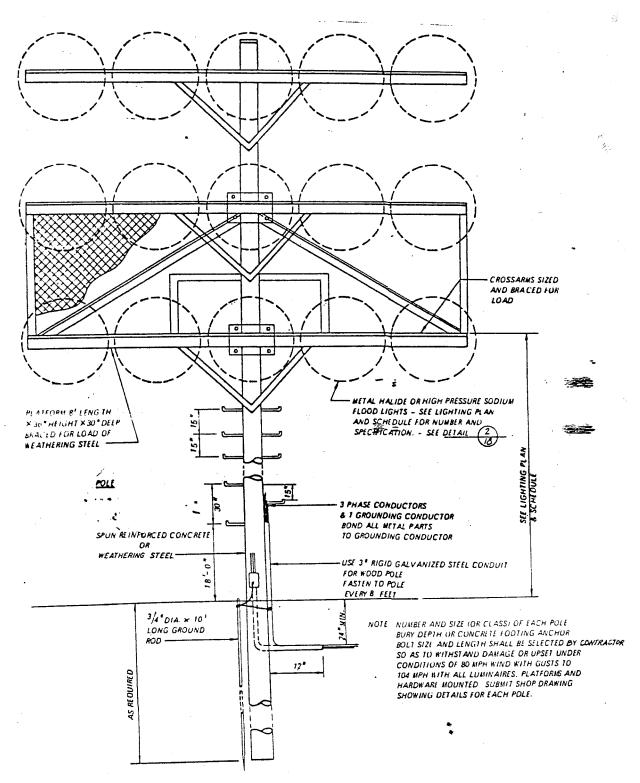
All facilities shown on the preliminary revised master plan are existing on the site. The exception is the baseball/softball field which exists but in a different orientation.

The plan shows the reorientation of the existing softball field and the extension of the outfield lines to 300 feet. In addition, this baseball/softball field will be lighted.

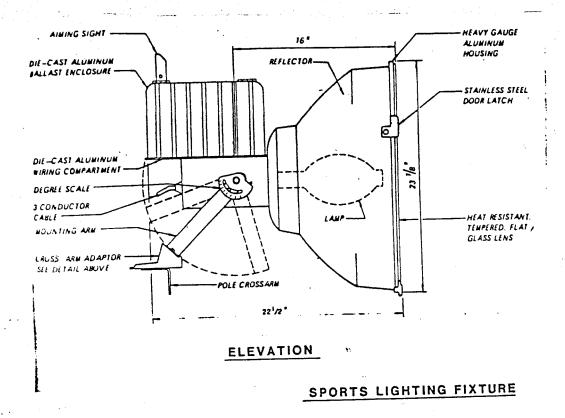
Typically, lighting fixtures will be metal halide or high pressure sodium so as to achieve the best lighting effect with the lowest possible operating cost. Poles can be metal, concrete or wood.

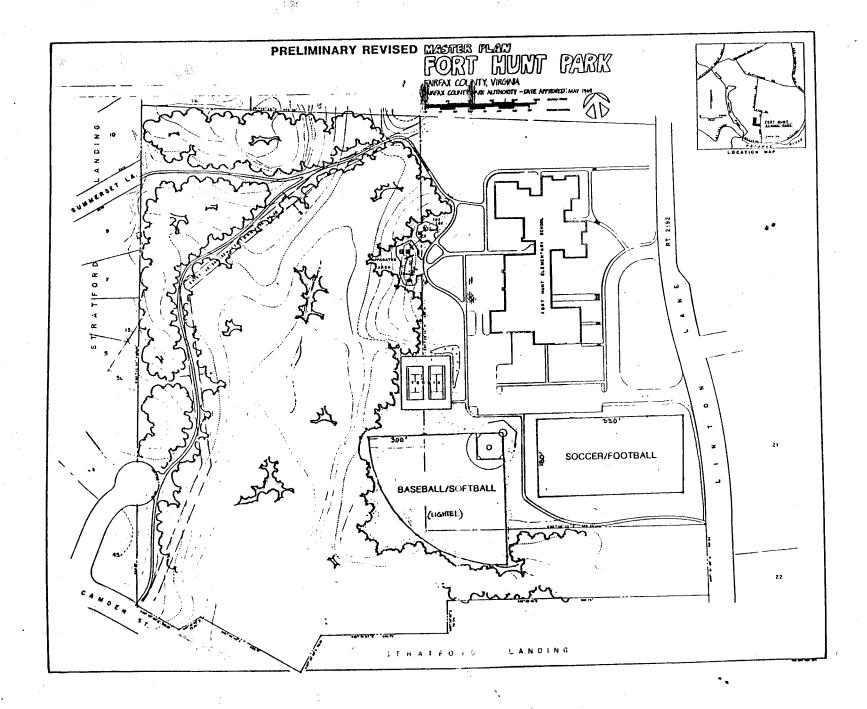
Fixtures or techniques shall be employed in the lighting design which will minimize or eliminate objectionable glare and spill-light.

The following lighting fixture and pole details are given as an example of possible types to be considered.



SPORTS LIGHTING POLE





DEVELOPMENT COST ESTIMATE

FACI	L ITY	оту.	UNIT	UNIT PRICE	TOTAL	FACILITY TOTAL
	FACILITY COSTS					
	l. Baseball/Softball Field					v
	 Remove & relocate existing back- stop 	L.S.			\$ 1,000	
	Excavation & Grading	250	C.Y.	\$ 4.50/C.Y.	1,125	•
	• Fill	1300	C.Y.	10.00/C.Y.	13,000	·
	 Skinned Infield 	L.A.	·		2,500	ı
	Seed, Sod & Mulch	7500	S.Y. •	.75/S.Y.	5,625	
	Lighting	L.S.		·	60,000	
	Subtotal 20% Contingency Total Baseball			- · ·	83,250 16,650	.
	Field 2. <u>Trails</u>					\$ 99,900
	Asphalt trails(6' wide)	720	L.F.	<i>≆ =</i> 10.00/L.F	7,200	
	Subtotal 20% Contingency Total Trails				7,200 1,440	\$ 8,640
В.	TOTAL FACILITY COSTS UTILITY FEES, PAYMENTS &					\$108,540
•	PERMITS • VEPCO		·		5,000	
	Total Utility Fees Payments & Permits					\$ 5,000
С.	DESIGN/ENGINEERING FEES					
	10% x Total Facili Cost Total Design/ Engineering Fees	ty			10,854	\$ 10,854

DEVLOPMENT COST ESTIMATE cont.

FAC	ILITY	QTY.	UNIT	UNIT PRICE	TOTAL	FACILITY TOTAL
D.	CONTRACT ADMINISTRATION	·				
	1. Plan Review (1%) 2. Inspection (8%) 3. Site Plan Review				\$ 1,085 8,683	i i
	(2500) 4. Contract				2,500	
	Administration (2%)				2,171	
	5. As-Built Survey (2650)				2,650	er Riv
	TOTAL CONTRACT ADMINISTRATION					\$ 17,089
	TOTAL COST ESTIMATE			•	,	\$ 141,483

DEVELOPMENT PHASING SCHEDULE

The total development cost estimate of \$108,540 exceeds present and future funding from the 1982 Bond Program. As a result, the construction of facilities will occur in several phases.

	nd Phase 1	
Funding	Available:	\$40,000

1.	Facilit	v Deve	lopment
1.	racilli	y beve	Inhineire

	Baseball/Softball Field*	\$27,900
•	Asphalt Trail (258 LF)	3,092

Total Facility Development

2. Project Administration

_	Design/Engineering	10%	3,099
	Inspection	* 8%	2,479
	Plan Review	1%	310
	Site Plan Review	\$2,500	27500
	Contract Administration:	2%	620
	CONTRACT AUMITHISTIACION	L 10	

Total Project Administration \$9,008

Total Estimated Cost for Phase I Development \$40,00

* Reorientation only - lights not included 😹 =

Recommended Phase II

Funding Available: None Programmed

1. Facility Development

•	Baseball/Softball Field Lighting	\$72,000
•	Asphalt Trail (70 LF)	5,548

Total Facility Development \$77,548.

2. Project Administration

Design/Engineering	10%	7,755
Inspection	8%	6,204
Plan Review	1%	776
Contract Administration	2%	1,551
Soil Tests	\$1,500	1,500

Total Project Administration \$17,822

Total Estimated Cost For Phase II Development

\$30,992

ANNUAL OPERATING & MAINTENANCE COST ESTIMATE *

<u>Facility</u>	Qty.	Unit Cost	Total Annual Cost
Athletic Field Lights	L.S.		\$ 1,685
Trails	720 LF	\$376/1000 LF	270
TOTAL ANNUAL OPERATING & MAINTENANCE	COSTS		\$ 1,995

^{*} Prepared from <u>Productivity Report</u> by Office of Research & Statistics Fairfax County, Virginia (10/75, rev. 6/77). Figures updated and supplied by Fairfax County Park Authority, November 1983.

APPENDIX

(s: __

TOTAL- 42 F LIECTS

PHASING/PRIORITY

(7%)



HIGHLIGHTS OF FAIRFAX COUNTY PARK AUTHORITY CAPITAL IMPROVEMENT PROGRAM 1983 Through 1989

\$3,187,500 for MT. VERNON MAGISTERIAL DISTRICT PARKS

	. •	•	
,	PROJECT LOCATION/FUNDING	DESCRIPTION PHASING/	PRIORITY
	. COMMUNITY PARKS		· • • • • • • • • • • • • • • • • • • •
	Belle Haven Area \$15,000	Acquisition of up to 16 acres for a community park via donation with funding for legal and rental fees on the phased dedication over a period of time.	FY 87 TO FT (S \$15,000 S:
	Bucknell Manor Park** \$50,000	Improvements per adopted master plan include (1) paved parking area (20 spaces), and (1) picnic area.	FY 88 \$50,000
100	Fort Hunt Park** \$40,000	Improvement ideas include partial lighting for (1) baseball/softball and (1) soccer/football field. Haster plan will require revision.	FY 89 (3 540,000 5
	Hollin Hall School Site* \$50,000	Improvement ideas to be considered include upgrading of existing facilities such as (1) baseball field, (1) soccer field, (1) multi-use court, (1) playground and walkways.	\$50,000 84 32
	Huntington Park* \$50,000	Improvement ideas to be considered include (1) open play area for athletics***, and landscaping.	FY 88 \$50,000
	Lorton Park* \$100,000 (Additional funding in County-wide Projects)	Improvement ideas to be considered include (1) apparatus/tot lot area. (1) picnic area.(1) open playarea for athletics***, landscaping and walkways.	FY 88 TO " \$54.558 FY FY 89 \$45.442 84,85
	Hartin Luther King Park** \$50,000	Improvements per adopted master plan include (1) amphitheater and land- scaping.	FY 88 \$50,000
	Mason Neck West Area* \$200,000	Improvement ideas to be considered include (1) open play area for athletics***, (1) multi-use court, (1) gravel trail (345 lf), (1) asphalt parking area (30 spaces) and landscaping	FY 87 \$200,000
	Mt. Eagle Park \$200,000	Acquisition of up to 10 acres for a community park in accordance with the adopted Fairfax County Comprehensive Plan.	FY 87 \$200,000
		•	

Newington Park** \$80,000	Improvements per adopted master plan include (1) open play area for athletics***, (1) picnic area, (1) gravel trail (500 lf), and landscaping Master plan will require revision.	FY 88 \$80,000
Pohick Estates Park** \$50,000	Improvements per adopted master plan include (1) multi-use court and (1) gravel trail (375 lf).	150,000 TO
Southgate Park* \$100,000	Improvement ideas to be considered include (2) picnic areas, (1) multi-use court, (1) gravel trail (450 lf), (1)apparatus/tot lot area, and landscapt	FY 89 \$100,000
Westgate Sewer Plant Area Site* \$50,000	Improvement ideas to be considered include (1) multi-use court, (1) gravel trail (300 lf), and landscaping	FY 89 \$50,000
Woodley Nightingale Area* \$200,000	Improvement ideas to be considered include (1) multi-use court, (1) picnic area, (1) apparatus area/tot lot, (1) open play area for athletics***, and (1) gravel trail (200 lf).	FY 89 \$200,000
DISTRICT PARKS	•	
Grist Mill Park** \$300,000	Improvements per adopted master plan include (1) restroom/shalter building in connection with barn, and (1) gravel parking area (33 spaces).	FY 87 \$49,715 FY 88 \$250,885
t Yernon Community Park** \$1,652,500 Additional funding in ounty-wide Projects and ecreation Center/Pool omplex Projects)	Partial funding for improvements per adopted master plan include Phase I of an 18,000 sf multi-purpose Recre- ation Center/Pool Complex building with entrance drive, gravel parking (150 spaces) and related site work.	FY 83 \$395,293 FY 84 \$395,293 FY 85 \$395,293 FY 86 \$395,293 FY 87 \$71,328
•	* * *	
		(93%)
There are 14 improvement proje	ects amounting to \$2,9/2,000.	(339)

There are 2 acquisition projects amounting to \$215,000 to acquire up to 26 acres.

Park II. Bunt. District Mt. Vernon		#4 584 Date	e Prepared 1 ter Planned	5/69	Prior Diatr	flet	Α.	1 39 Acq 1. Pr	epared by	Divisio	esign/ber n EWI/D	velopmeni vaign		
Partial Ballfield Lightin	ng 1. Tot Fark Es	timate	J. Increase/ (Decrease)	PRIOR YEARS	5. FY 1983 ACTUAL	CURRENT	7. REQUESTED FY 1984 REVISION	8. INCREASE (DECREASE) (Col. 7-6)	9. PARK AUTH PY 1985 REQUEST	10. FY 1986	11. FY 1987	12. FY 1988	1). FY 1989	14. Future Year(s
DESIGN/ENGINEERING -	Lurrent	Revised	(Col. 2-1)	15003	MOTORE	***************************************								!
COUNTY LAID EASTHENTS	5,632	5,632			, 		5,000	5,000	632	ļ				
TASPECTIONS AND					<u> </u>		•		4,545	 	!			
PLAN REVIEW ENGINEERING CONSTRUCTION	4,545	4,545			<u> </u>	l			421	1,190				
besignier - county Designier - county A survey - county	2,105	2,105			1				2.105		 			
7 CONSTRUCTION - COUNTY	. #.#XX	A.J.A.X.	1		1	; 			! 	<u> </u>	! !	<u> </u>	 	
CONSTRUCTION - OUTSIDE	21,051	21,051				1	 		21,051	<u></u>	' 	 	<u> </u>	<u>-</u>
UTILITY FEES, PAYMENTS, & PERMITS	5,056	5,056	 	! -	 	1 . 	 	} 1	5,056	1	<u> </u>	<u> </u>	 	
D FIXED EQUIPMENT		l	ļ 	 		<u> </u>	\ 	! !	 	! 	· 			
1 ADMINISTRATION		 	l . 	ļ		<u> </u>	ļ	<u> </u>	 		!	 	<u>!</u> 1	ļ
2 CONSTRUCTION MANAGEMENT			ļ	 	ļ	 	 	 	 	1,190	 	 		
TOTAL	40,000	40,000	 + 5 + 7 + 9	+ 10 +	11 + 12 +	 13+-14 	5,000	5,000	33,810	1,130		*As of	arryove	ļ
ROJECT DESCRIPTION/JUSTIFICA	TION/PIIAS	ING:	Column 1 -	4 + 3 1		10 + 11 +					ven Year	Estinate	,	
Gation: 8022 Linton Lane						6011/	was RAVIAC	munity par	Tall to a	(Acquisi				_)
Mt. Vernon			Detail	Design	FY 84 C	ontract F	Ran Kenri	du parerra	La a family		ment \$ _			_)
201 19.02 Evice Area: 3/4 mile Escription: Development								rield, T ciencies d vices area			park mast	er plant	ing pro	
Ommitment: Approved by 1982	i i ark Boi	ıd				h	1 .				ry Commi	tee act	vities,	
Referendum			The prostaff	recomme	ndations,	and the	itizen par	rity based	process.	Anticipa	ted mast	er plan	evision	•
						•								
						;			,					
ompletion Schedule(s)/Targe equisition, Starts equisition, Final		-rre maste	er Plan, Sta er Plan Hear	rta <u>20</u>	EX.H4		il Design,	Starts 10	FY 85		ld Advert ontract A		20 FY 85	

RAYMOND W. PHILIPPS

FORT HUNT ELEMENTARY PARK

I have met with Dave Fontanella. He wants to make the ball field a regulation size soft ball field and move the backstop from the southeast corner to the northwest near the end of the parking lot and tennis courts. He also wants to light the ball fields, which will require revising the master plan. I have instructed staff to prepare a schematic and cost estimate which we could use to initiate a revision to the master plan.

We currently have \$40,000 in the '80 Bond Referendum scheduled to become available in 1989. I have requested the staff to consider ways by which we could obtain access to these funds at an earlier date. I see no reason why we should not at least staft the master plan revision process as soon as feasible. Fontanella stated that his group might be able to contribute as much as \$10,000 to the project.