

APPENDIX

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Sweet Arrow Lake County Park Master Plan
 SJC#03002.10

Opinion of Probable Development Costs
 FINAL PLAN

Item	Unit	Quantity	Unit Cost	Cost	Notes
1. Clubhouse Area - Entrance Drive					
Entrance Road Pavement	SY	6,089	\$18.00	\$109,602	20' Cartway
Drainage Improvements	LF	2,740	\$7.00	\$19,180	
Shoulder Improvements	SY	3,958	\$5.00	\$19,790	2- 4' shoulder
Excavation	CY	6,478	\$10.00	\$64,780	
Subtotal				\$213,352	
2. Clubhouse Area - Drop-off and Parking					
Grading - Parking Area	CY	1,529	\$10.00	\$15,290	2' depth
Signage	LS	1	\$3,000.00	\$3,000	
Entrance Gate	LS	1	\$2,500.00	\$2,500	
Lighting	EA	17	\$2,500.00	\$42,500	approx. 100' o.c.
Parking Area Gravel Base	CY	428	\$30.00	\$12,840	350 SF x 66 spaces 6" depth modified stone
Parking Area Gravel Surfacing	CY	143	\$30.00	\$4,290	350 SF x 66 spaces 2" depth clean stone
Tire/ Wheel stops	EA	59	\$100.00	\$5,900	
Dumpster Enclosure	LF	70	\$14.35	\$1,005	
Evergreen Dumpster Screening Plantings	EA	8	\$250.00	\$2,000	8-10' Evergreen
Curbing	LF	230	\$14.00	\$3,220	
Handicap Spaces Paving	SY	156	\$18.00	\$2,808	350 SF/ space
Handicap Space Line Striping	LF	80	\$0.50	\$40	
Meadow Plantings	SF	7,000	\$0.30	\$2,100	
Shade Trees	EA	50	\$350.00	\$17,500	
Clubhouse Landscape	SF	2,000	\$2.50	\$5,000	
Reforestation Plantings	SF	42,600	\$0.50	\$21,300	
10' Wide Asphalt Walk	SY	256	\$18.00	\$4,608	
5' Wide Asphalt Walk	SY	325	\$18.00	\$5,850	
Information Kiosk	EA	1	\$5,000.00	\$5,000	
Maintenance Shed	LS	1	\$20,000.00	\$20,000	
Subtotal				\$176,751	
3. Clubhouse Area - New Pavilions					
Grading	CY	407	\$10.00	\$4,070	1' depth
Electric Conduit to Pavilions	LF	260	\$5.00	\$1,300	
Electrical Service	LS	1	\$1,500.00	\$1,500	
Water Service to Pavilions	LF	260	\$27.50	\$7,150	
Turf for Volleyball Court	SF	4,000	\$0.30	\$1,200	Sod
Volleyball Post and Net	LS	1	\$750.00	\$750	
Reforestation Planting	SF	29,200	\$0.50	\$14,600	
Shade Trees	EA	14	\$350.00	\$4,900	
Evergreen Buffer Planting along Residences	EA	20	\$250.00	\$5,000	8-10' Evergreen
Pavilions	EA	1	\$40,000.00	\$40,000	
Pavilion with Office/Restrooms	EA	1	\$125,000.00	\$125,000	
5' Wide Asphalt Walk	SY	85	\$18.00	\$1,530	
Vehicular Access	SF	450	\$6.50	\$2,925	Stabilized Turf. 10' wide
Water Fountain	LS	1	3,000	\$3,000	
Subtotal				\$212,925	
4. Clubhouse Area - Existing Pavilion					
Rehab Existing Pavilion	LS	1	\$18,000.00	\$18,000	
5' Wide Asphalt Walk	SY	62	\$18.00	\$1,116	
Vehicular Access	SF	1,100	\$6.50	\$7,150	Stabilized Turf. 10' wide
Subtotal				\$26,266	
5. Clubhouse Area - Fire Access					
Fire Access	SF	500	\$6.50	\$3,250	Stabilized Turf. 10' wide
Stand Pipe	LS	1	\$5,000.00	\$5,000	
Subtotal				\$8,250	
6. Clubhouse Area - Island/ Fishing Access					
Island Earth Work	-	-	-	-	Army Corps Lake Restoration Plan
Pedestrian Wood Bridge	SF	300	\$60.00	\$18,000	
5' Wide Asphalt Walk	SY	56	\$18.00	\$1,008	
Shade Trees	EA	5	\$350.00	\$1,750	
Benches	EA	4	\$600.00	\$2,400	
Removal of Flag Pole	LS	1	\$200.00	\$200	
Subtotal				\$23,358	

**Opinion of Probable Development Costs
FINAL PLAN**

Item	Unit	Quantity	Unit Cost	Cost	Notes
7. Clubhouse Area - Playground					
Grading	CY	1,584	\$10.00	\$15,840	1' depth
Split Rail Fencing	LF	135	\$7.50	\$1,013	
Safety Surfacing	SF	1,800	\$2.50	\$4,500	wood chip
Gravel base	CY	67	\$30.00	\$2,010	1' depth
4" Under Drain	LF	120	\$7.00	\$840	15' o.c.
Concrete Curb	LF	135	\$14.00	\$1,890	Flush With Grade
Play Equipment	LS	1	\$50,000.00	\$50,000	
5' Wide Asphalt Path	SY	67	\$18.00	\$1,206	
Turf	SF	1,000	\$0.10	\$100	
Benches	EA	4	\$600.00	\$2,400	
Shrub Plantings	SF	2,600	\$2.50	\$6,500	\$40/ Shrub; 4' o.c.
Shade Trees	EA	5	\$350.00	\$1,750	
Trash Receptacles	EA	2	\$600.00	\$1,200	
Subtotal				\$89,249	
8. Clubhouse Area - Outdoor Events Areas					
Grading	CY	2,376	\$10.00	\$23,760	1' depth
Patio Unit Pavers Paving	SF	1,500	\$25.00	\$37,500	
10' Wide Asphalt Walk	SY	90	\$18.00	\$1,620	
5' Wide Asphalt Walk	SY	180	\$18.00	\$3,240	
18" Seat Walls	LF	345	\$35.00	\$12,075	
Stage Unit Pavers	SF	300	\$25.00	\$7,500	
Dock	LS	1	\$6,500.00	\$6,500	
Demolition of Concrete Steps into Lake	LS	1	\$4,000.00	\$4,000	
Railing on Existing Concrete Retaining Wall	LF	80	\$60.00	\$4,800	tubular 42" high
Demolishing of existing Sidewalk to Lake	SY	53	\$6.00	\$318	
Removal of tower	LS	1	\$200.00	\$200	
Lighting	EA	4	\$2,500.00	\$10,000	
Shade Trees	EA	12	\$350.00	\$4,200	
Shrubs	SF	1,450	\$2.50	\$3,625	
Grass Seeding	SF	3,825	\$0.10	\$383	
Benches	EA	4	\$600.00	\$2,400	
Trash Receptacles	EA	4	\$600.00	\$2,400	
Subtotal				\$124,521	
9. Clubhouse Improvements					
Improvements to Clubhouse Basement	LS			\$0	Unknown
Concessions Window	LS	1	\$1,500.00	\$1,500	
Deck	SF	625	\$30.00	\$18,750	
Additional Bathrooms	SF	110	\$50.00	\$5,500	
Ramp/Bridge to Southwest Door	SF	50	\$30.00	\$1,500	
Railings	LF	24	\$24.00	\$576	
Relocate Concrete Steps at Southwest Entrance	LS	1	\$500.00	\$500	
Pay Telephone	LS	1	\$1,800.00	\$1,800	
Subtotal				\$30,126	
Total Clubhouse Improvements 1- 9				\$904,797	
10. Dam Area - Entrance and Parking					
Improvements to Entrance	LS	1	\$2,000.00	\$2,000	
Entrance Gate	LS	1	\$2,500.00	\$2,500	
Reconfiguration of Parking Area Gravel	SF	7,000	\$2.00	\$14,000	
Tire/ Wheel stops	EA	80	\$100.00	\$8,000	
10' Wide Asphalt Walk	SY	112	\$18.00	\$2,016	
Curbing	LF	100	\$14.00	\$1,400	
Information Kiosk	EA	1	\$5,000.00	\$5,000	
Shade Trees	EA	50	\$350.00	\$17,500	
Reforestation Planting	SF	38,700	\$0.50	\$19,350	
Subtotal				\$71,766	
11. Dam Area - Picnic Area					
Shade Trees	EA	12	\$350.00	\$4,200	
Reforestation Planting	SF	22,500	\$0.50	\$11,250	
Grass Seeding	SF	22,500	\$0.10	\$2,250	
5' Wide Asphalt Path	SY	122	\$18.00	\$2,196	
Picnic Tables	EA	12	\$600.00	\$7,200	
Trash Receptacles	EA	6	\$600.00	\$3,600	
Pavilions	EA	2	\$40,000.00	\$80,000	
Subtotal				\$110,696	

**Opinion of Probable Development Costs
FINAL PLAN**

Item	Unit	Quantity	Unit Cost	Cost	Notes
12. Dam Area - Meadow/ Gazebo					
Meadow Plantings	SF	71,200	\$0.30	\$21,360	
5' Wide Asphalt Path to Bridge	SY	615	\$18.00	\$11,070	
Split Rail Fence	LF	200	\$7.00	\$1,400	
5' Wide Trail on Dam	CY	53	\$30.00	\$1,590	6" Stone Dust
5' Wide Trail from Gazebo to Bridge	LF	270	\$5.00	\$1,350	Wood Chip
Gazebo	LS	1	\$20,000.00	\$20,000	
Look out Plaza	SF	225	\$15.00	\$3,375	
Shade Trees	EA	10	\$350.00	\$3,500	
Benches	EA	6	\$600.00	\$3,600	
Subtotal				\$67,245	
13. Dam Area - Bridge					
Bridge	LS	1	\$450,000.00	\$450,000	
Electrical Service	LS	1	\$1,500.00	\$1,500	
Lighting Conduit	LF	12,000	\$5.00	\$60,000	
Lighting	EA	8	\$2,500.00	\$20,000	
Subtotal				\$531,500	
Total Dam Area Improvements 10- 13				\$781,207	
14. Boat Launch - Entrance and Parking					
Gate	LS	1	\$2,500.00	\$2,500	
Additional Parking Grading	CY	667	\$10.00	\$6,670	1' depth
Additional Parking	CY	277	\$30.00	\$8,310	8" Gravel for new parking area
Shade Trees	EA	25	\$350.00	\$8,750	
Information Kiosk	EA	1	\$5,000.00	\$5,000	
Subtotal				\$31,230	
15. Boat Launch - Site Amenities					
Pavilion with Restrooms	LS	1	\$125,000.00	\$125,000	
Utilities	LS	1	\$15,000.00	\$15,000	Includes electric, sanitary, and grinder pump
Drinking Well	LS	1	\$50,000.00	\$50,000	Includes drilling, meter, and treatment system
Canoe Racks	LS	1	\$2,500.00	\$2,500	
Boat Lock-ups	EA	30	\$150.00	\$4,500	
10' Wide Asphalt Walk	SY	560	\$18.00	\$10,080	
5' Wide Asphalt Walk	SY	142	\$18.00	\$2,556	
Benches	EA	4	\$600.00	\$2,400	
Trash Receptacles	EA	2	\$600.00	\$1,200	
Fishing Pier	LS	1	\$20,000.00	\$20,000	
Seeding	SF	4,000	\$0.10	\$400	3' to side of paths
Subtotal				\$233,636	
16. Boat Launch - New Controlled Access Boat Launch					
Gate	LS	1	\$2,500.00	\$2,500	
Grading	CY	356	\$10.00	\$3,560	2' depth
Driveway	CY	119	\$30.00	\$3,570	8" Gravel
Boat Launch	LS	1	\$20,000.00	\$20,000	
Subtotal				\$29,630	
Total Boat Launch Improvements 14- 16				\$294,496	
17. Trail - Dam to Boat Launch 0.4 mi - Land Based Hiking Trail Alignment Preferred					
The preferred alignment is a land based hiking trail					
Grading/ Fill	-	-	-	-	Army Corps Lake Restoration Plan
8' Wide Trail - Stone Fines	LF	2,330	\$4.80	\$11,184	Add Alternate (Excluded from Cost Total)
Shade Trees - 50' o.c. spacing	EA	30	\$350.00	\$10,500	Add Alternate (Excluded from Cost Total)
Riparian Plantings	SF	15,300	\$1.65	\$25,245	10' wide plantings; 1gal plant 3' o.c.
Benches	EA	6	\$600.00	\$3,600	
Trash Receptacles	EA	3	\$600.00	\$1,800	
Boardwalk	SF	400	\$35.00	\$14,000	8' Wide Recycled Plastic Timber
Subtotal				\$44,645	
18. Trail - Boat Launch to "The Beach" 0.8 mi					
Grading/ Fill	-	-	-	-	Army Corps Lake Restoration Plan
8' Wide Trail	CY	345	\$30.00	\$10,350	6" Stone Fines
Shade Trees	EA	88	\$350.00	\$30,800	50' o.c.
Riparian Plantings	SF	44,000	\$1.65	\$72,600	10' wide plantings; 1gal plant 3' o.c.
Benches	EA	18	\$600.00	\$10,800	
Trash Receptacles	EA	6	\$600.00	\$3,600	
Subtotal				\$128,150	



SIMONE JAFFE COLLINS
LANDSCAPE ARCHITECTURE

1/5/04

Sweet Arrow Lake Master Plan

SJC# 03002.10

STUDY COMMITTEE MEETING #1 - MINUTES

Date/Time: 12/17/03, 10 AM

Location: Schuylkill County Courthouse, Hoffman Room

In Attendance: Mary Kay Bernosky – Steering Committee Member
Ed Crowe – E.L. Crow, Inc. / SJC Team
Denise Donmoyer – Steering Committee Member
Mike Hummel – Benesch Engineering / SJC Team
Sarah Leeper – Simone Jaffe Collins, Inc. (SJC)
Lisa Mahall – Steering Committee Member
Earl Matz– Steering Committee Member
Craig Morgan– Steering Committee Member
Bill Reichert– Steering Committee Member
Peter Simone – SJC
Susan Smith– Steering Committee Member
Patrick Stasio – SJC Team
David Stauffer – SJC

Notes:

1. Peter Simone began the meeting by reviewing the Requested Site Base Information. **It was noted that the USACE needs Schuylkill Co. to authorize the release of preliminary survey data; some sort of disclaimer stating that no structures will be built based off of the plan may be necessary, Mary Kay B. to request.** Mike Hummel provided the requested files from WJP at the meeting.
2. Peter S. went on to present the Goals, and Facts for the project. The following goals were stated: lake restoration, master site development plan, and preserve environmentally sensitive areas. The following Facts were stated: Existing Wetlands, CREP Riparian Buffer, Woodlands, Sweet Arrow Lake, Little Swatara Creek, Pavilion Improvements, Dam Repair.
3. Craig M. indicated that the Riparian buffer work had been completed and the land is in the process of being sold back to adjacent landowners. The county will have an access easement on this land and stated that a small parking area may not be possible. The county has maintained ownership of the area above the bridge on Sweet Arrow Lake, which could be an appropriate area for parking.
4. The US Army Corps of Engineers (USACE) is in the process of delineating wetlands to establish wetland types and wildlife habitat. All existing docks in wetlands will be permitted to stay however the USACE stated that the construction of new docks will not be permitted. The basis of this "regulation" is not clear. **SJC will research regulations pertaining to boardwalks and public overlooks with the USACE.**

5. The question of private docks on county land arose. Along Shoreline Drive the county owns the land from the lake to the residential properties. The county allows residents to cross county land to access the lake, and respects that most of the residences have temporary docks that they remove from the lake in the winter. The possibility of a trail in this area could pose questions of public/ private space and liability. It was suggest that clearly posted park rules could help to address part of this issue. This will be a design operational issue.
6. Peter S. asked if swimming was being planned for in the study being completed by the USACE. Mary Kay B. stated that at this time the USACE has not tested the water however USACE is aware that the county may want to pursue the idea of swimming and a “beach” was included in the preliminary USACE plan.
7. Peter S. presented the following Partners: PA Fish & Boat Commission, Clubhouse Improvements, Us Army Corps of Engineers, Sweet Arrow Lake Commission, and Sweet Arrow Lake Conservation Association.
8. The following partners where added to the list: Schuylkill County Recreation Board, Schuylkill Headwaters Association, Swatara Co-op Trout Nursery, PA Fish & Boat Commission through the Adopt a Lake Program, Pine Grove Borough, DEP, DCNR, DCED, Schuylkill County Sportsman Association, Local & Federal Representatives, Washington Township, Pine Grove Township, Sweet Arrow Homeowners Association, Schuylkill County Conservation District, Schuylkill County Bass Masters, Growing Greener, Pennsylvania Bass Federation, and Northern Swatara Creek Watershed Association.
9. Peter S. presented the following Concepts: Beach, Accessible Fishing Dock, Parking, Boat Launch, Support Facilities, Clubhouse Market Study, Maintenance & Security, Passive Recreation, Swimming Area, Trail System, Wetland Interpretation, and Public Survey
10. Peter S. raised questions concerning parking for the clubhouse: how much is necessary, where is it needed, and how to offer it without disturbing the clubhouse feel. It was stated that in the past the clubhouse has offered parking for approximately 50 vehicles.
11. Earl M. requested that the committee start to think about a rate structure for the clubhouse. The building should be ready in January and he is already receiving requests to reserve it for events. Issues discussed regarding clubhouse rental include:
 - A tiered structure that favors county residents and non-profit organizations such as schools,
 - A retainer or deposit fee required prior to setup to ensure that the facilities remain clean, undamaged, and to ensure that trash is removed after the event.
 - A fee to provide for a clubhouse/ county representative to be present to see that events run smoothly,
 - A introductory 2004 rate should be the first step since not all the amenities are not in place at this time,
 - **Patrick S. and Ed C. will look into various rate structures and provide feed back in the next few weeks.**
12. The conversation turned towards the clubhouse in general. Earl M. explained that there was some controversy surrounding the removal of trees around the clubhouse. The DCNR had marked trees for removal, and the forester suggested additional trees for removal to protect the clubhouse from damage. Peter S. suggested that he could discuss at the public meeting the liability presented by declining trees.
13. At this time most of the request of the clubhouse have been for wedding receptions. The question of alcohol consumption was brought up. Mary Kay B. indicated that at this time there is a blanket law prohibiting alcohol or tobacco products on county property.

14. Ed C. suggested that there be a list of approved caterers for renters to choose from. The committee seemed hesitant to limit the renters choice, so it was suggested that there be an approval process that a caterer would complete prior to being allowed to use the facility.
15. It was also stated that the clubhouse would be connected to public sewer under the current building improvements. It was suggested that if the clubhouse was going to be rented at the beginning of the year that occupancy permits should be looked into and that parking situation should be addressed.
16. Overlooks, Bridge, Picnic Areas, ADA Accessible, Access Easements, and Boat Marina/ Canoe Storage were added to the Concept List.
17. Denise D. stated that children's play equipment would be a nice amenity near the clubhouse/ pavilion area and smaller picnic areas through out the park providing that users would be responsible for their own trash removal. She pointed out that the kitchen facility for the pavilion is an appreciated amenity but is in decline. A wetland trail with interpretive signage was also suggested.
18. Peter S. presented the meeting schedule; a revised schedule with the discussed changes is attached to these minutes.
19. The location of public meetings was discussed. Earl M. said that he had looked into the Pine Grove VFW; it can seat 100 and has a sound system. It was suggested that some meetings should be held in different locations so that the whole county would be involved in the process.
20. It was agreed that the steering committee meetings will continue to be held during the day, at the clubhouse if possible.
21. **SJC will contact the Pennsylvania Fish & Boat Commission, and US Army Corps of Engineers to set up dates for February meetings.**
22. Peter S. presented the telephone survey format, he pointed out that eight (8) questions still needed to be removed from the provided draft public opinion survey. **He asked that the steering committee review the survey and get their comments back to SJC by January 6th. Dave S. will email the study committee an electronic version of the Sweet Arrow Lake Draft Public Opinion Survey. Additionally, a copy of the Swatara State Park Survey and results will be provided for reference.**
23. Lisa M. suggested that the 30-minute driving time may include a larger area then desired. **The SJC team will look into a 15-minute driving population.**
24. Peter S. presented the draft agenda for the first public meeting. The meeting will consist of a power point presentation to give an overview of the facility, explanation of the USACE process, and the card process (goals, facts, and concepts) will be completed to acquired comments and feedback from the public.
25. Peter S. reviewed a draft press release prepared to announce the first public meeting. **The study committee shall review the draft press release and provide feedback to SJC so that the release can be finalized and issued by January 12. Mary Kay B. will handle the distribution of the press release to local media outlets.**

26. The issue of opposition came up; the main concern being that this is the first county park in Schuylkill County. The idea of county taxes going towards a park is not widely accepted. Peter S. suggested that educational information about the benefit of parks be part of the first meeting to advise people of the benefits for the whole county.

Next Meeting: Public Meeting #2 – Tuesday, January 27, 7 PM County Agricultural Center

Respectfully Submitted,
SIMONE JAFFE COLLINS, INC.
LANDSCAPE ARCHITECTURE

A handwritten signature in cursive script, appearing to read "Sarah R. Leeper".

Sarah R. Leeper
Cc: Steering Committee



SIMONE JAFFE COLLINS
LANDSCAPE ARCHITECTURE

2/5/04

Sweet Arrow Lake Master Plan

SJC# 02010.10

PUBLIC MEETING #1 - MINUTES

Date/Time: 2/4/04, 7 PM

Location: Schuylkill County Agricultural Center

In Attendance: Sarah Leeper – Simone Jaffe Collins, Inc. (SJC)
Peter Simone – SJC
David Stauffer – SJC
See Attached Attendance Sheets

Notes:

1. Peter S. began the meeting with introductions, and a brief overview of the design team. Also, the project scope of work, meeting schedule, master planning process, and the funding to date for the project were reviewed.
2. Peter S. reviewed the work that the US Army Corps of Engineers is doing in regards to the lake and wetland habitats, (Sweet Arrow Lake Aquatic Ecosystem Restoration Project).
3. Peter S. reviewed the project goals, facts, partners, and concepts. He explained the 'card process' and how the audience and study committee members input on project goals, facts, and concepts is used to develop ideas and the program for the park master plan. A list of all ideas generated at the meeting is attached.
4. Peter S. discussed the idea of non vehicular linkages between recreational areas in Schuylkill County; though it is not a formal part of the Sweet Arrow Lake Master Plan it is important to keep this idea in mind when forming a vision for open space within Schuylkill County.
5. Mary Kay Bernosky stated that Schuylkill County is in the process of formulating a comprehensive plan including recreational components.
6. Wayne Bowan stated that there is the potential for a trail connection between Sweet Arrow Lake and Swatara State Park. Also Wayne suggested that the Sweet Arrow Lake Master Plan program consider Swatara State Park's resources so that recreational resources and facilities are not duplicated.
7. It was stated that local Eagle Scouts are interested in working on various projects for the park, and scouting groups could become a valuable park partner.
8. Wayne Stump stated that the Schuylkill County YMCA is interested in forming a partnership with Schuylkill County to provide for recreational activities at Sweet Arrow Lake.

9. Security within the park was an important issue. It was stated that the PA Fish and Boat Commission was responsible for security on the water. Peter S. stated that the proper use of the park would depend on the development and posting of County Park Regulations and will depend upon community involvement and supervision. He stressed that as more people use and enjoy the park security problems would most likely decline.
10. It was stated that PP&L at one time had a \$1.00 permit fee to allow private docks on PP&L owned property. Denise Donmoyer stated that she could provide SJC with a copy of the agreement.
11. "Porcupine" Pat McKinney stated that wildlife watching is a very popular hobby and suggested that habitat restoration and enhancement be a strong element of the park design. He suggested that the PA Game Commission would be a possible partner and that the site could qualify as a Forrest Stewardship Site.
12. Concerns of the number of boaters that could safely use the lake were stated. SJC will contact the PA Fish and Boat Commission to see if they have any standards or guidelines to address this question. Peter S. stated that it is important to keep a balance between providing for many activities in the park while maintaining the park's unique character.

Next Meeting: Steering Committee Meeting #2 – Wednesday, Feb. 11, 10 am, at Schuylkill County Courthouse, Commissioner's Meeting Room

Respectfully Submitted,
SIMONE JAFFE COLLINS, INC.
LANDSCAPE ARCHITECTURE



Sarah R. Leeper

cc: Steering Committee
Design Team

Sweet Arrow Lake Master Plan

Public Meeting #1

February 4, 2004, 7 PM @ Schuylkill County Agricultural Center

NAME	ADDRESS	PHONE	EMAIL
Gene Starr WPPA/T-102 Schuylkill 105155	P.O. Box 540 Pottsville, PA 17901	570-622-4440	news@pbcradio.com
Harry Primeau	78 High St Pine Grove Pa	570 345 4166	
Lise Mahall	Sch. Co. Courthouse	570-628-1213	lmahall@co.schuylkill.pa.us
Denise Dammeyer	7 Lakefront Dr. Pine Grove PA 17963	520-345-8952	nightowl@epix.net
Carl & Lu Beck	126 Shoreline Dr. Pine Grove 17963	570 345 0330	carlbeck@epix.net
MIKE & KATHY STEFANICK	86 SHORELINE DR PINE GROVE	345-4963	MCA86@Comcast.net
BOB EVANCHALF			
Wayne Stump	Sch. Ymca 216 N. 12th St. Pottsville	622-7850	Wstump@Losch.net
FRED J. WIEST	1 N 2ND ST MINERSVILLE, PA	544-3272	
Cyndi Van Stone	624 Seltzer Road Pottsville Pa.	628-5293	
BILL VAN STONE	624 SELTZER RD POTTSVILLE PA	628-5293	VANSTONE@F-TECH.NET
DENNIS ROSEMANNON	525 PROSPECT ST POTTSVILLE PA	628-3578	
TODD HOOK	413 NORTH ST POTTSVILLE PA	624-1457	
Lisa Prize	312 S Nichols St. St. Clair PA 17970	628-429-2888	lisa/prize@hotmail.com
Mantura Gallagher	130 S. 25th St Pottsville	628-4386	mantura@psd.net
Bob Tobash	P.O. Box 437 Hegins, PA	682-9660	
Carol Keesey	154 West Lake Dr. Pine Grove, PA	345-8684	jKeesey01@comcast.net
DAVE MCSURDY	861 RTE 1835 SCH. HAVEN PA 17972	739-2579	
DARRON KUNIKER	1010 E MARKET ST. ORWIGSBURG		
Wayne Bowen	284 W. Adamsville Rd Sch. Haven PA 17972	385-7641	wbowen@sunlink.net

SIMONE JAFFE COLLINS • LANDSCAPE ARCHITECTURE

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**Sweet Arrow Lake Master Plan
Public Meeting #1**

February 4, 2004, 7 PM @ Schuylkill County Agricultural Center

NAME	ADDRESS	PHONE	EMAIL
Heather Garrity	808 Mahantongo St., Pottsville		jeepdriver788@yahoo.com
DAVE KRUEL	540 PINE ST, POTTSVILLE		accip@infonline.net
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Lyle Laobenstine	Schuylkill Haven PA 17972		
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Craig Morgan	Sch Cons District		
JOE KOSTREY	1698 First AVE POTTSVILLE	570-622-8766	
MONICA KOSTREY	" " " "	" " "	
JOANNE K. DYLE	110 Springwood Ave., Pottsville	570-544-6812	

Cards List from February 4th Meeting

GOALS

- Lake Restoration
- Master Site Development Plan
- Preserve Environmentally Sensitive Areas

FACTS

- Dam Repaired
- Clubhouse Improvements
- Sweet Arrow Lake ±70 Acres
- Existing Wetlands
- Boat Launch
- CREP Riparian Buffer
- Upper Little Swatara Creek
- Woodlands
- Informal Access Easements
- Growing Greening Grant 650 K

PARTNERS

- DCNR
- DEP
- Adopt-A-Lake Program
- DCED
- U.S. Army Corps. Of Engineers
- Schuylkill County Recreation Board
- Sweet Arrow Lake Commission
- PA Fish & Boat Commission
- Sweet Arrow Lake Conservation Association
- Swatara Co-op Trout Nursery
- Schuylkill County Sportsman Association
- Schuylkill Headwaters Association
- Pennsylvania B.A.S.S. Federation
- Sweet Arrow Lake Homeowner's Association
- Schuylkill County Conservation District
- Schuylkill County Parks & Recreation Commission

- Pine Grove Borough
- Pine Grove Township
- Washington Township
- Local & Federal Representative
- PA Representative David G. Argall & Bob Allen
- U.S. Representative Tim Holden
- PA Senator James J. Rhoades
- U.S. Senator Rick Santorum & Ariel Spector
- Schuylkill County Conservancy
- Schuylkill County Visitors Bureau
- PA Game Commission

CONCEPTS

- Accessible Fishing Dock
- Maintenance & Security
- Overlook
- Parking
- Play Equipment
- Public Survey
- Pavilion Improvements
- Support Facilities
- Swimming Area
- Trail System
- Clubhouse Market Study
- Bridge
- Linkages to Other Parks
- Family Activities
- Shuttle Bus from SAL to Swatara Park
- Kids Casting
- Kids Fishing Tournament
- Non-Profit Meeting Place at Clubhouse
- Wildlife Blind
- Forrest Stewardship Site
- The Whole County is Connected to Sweet Arrow Lake
- Dog Park
- County Leash Law
- Marketing Plan
- Control of Number of Boats on Lake
- Boating & Tubing
- Review Other County Park Systems

- Lighting
- Security on Land
- Park Hours Regulations
- Nighttime Fishing
- Pre-schoolers
- Senior Citizens
- PA Fish & Boat Commission to Provide Security on Water
- Protection to Dam Structure
- Food Concessions & Gift Shop
- Swimming on South Side of Lake
- Fostering Public/Private Partnerships
- Boat Rental
- Silt Along Sweet Arrow Lake Road to Create Trail
- Island Will Take Up Water Space and How Will They Be Maintained?
- Walk Around Lake – How Does it Effect Owners
- Birding
- Public Transit at Peak Sessions
- Habitat Restoration & Enhancement
- Wildlife Watching
- Benefits of a Park System
- Homeowner Liability
- \$1.00/Year Dock Fee for Homeowners
- State Dock Permit
- Dredge Lake to a Depth Suitable for Swimming
- Native Grassland Habitat Meadows
- Floating Wetlands Trail or Boardwalk
- Party & Wedding Rentals
- Church Outings
- Partnerships with Local Youth
- Safe Ice-Skating (All Season)
- Security
- Park Shop
- YMCA Summer Program
- Existing Bait & Tackle Shop
- Garden Clubs
- Look at Swatara Park Program
- Trail to 443 Connections
- County Comp. Plan
- Lake Originally 90 Acres
- Army Corps. Public Meetings
- SJC to Work Hand in Hand with U.S. Corps.
- Partnership with Swatara State Park
- Scout Camping
- Service Learning



SIMONE JAFFE COLLINS
LANDSCAPE ARCHITECTURE

2/12/04

Sweet Arrow Lake Master Plan

SJC# 03002.10

STEERING COMMITTEE MEETING #2 - MINUTES

Date/Time: 2/11/04, 10 AM

Location: Schuylkill County Courthouse, Hoffman Room

In Attendance: Mary Kay Bernosky – Steering Committee Member
Bob Evanchalk – Steering Committee Member
Denise Donmoyer – Steering Committee Member
Sarah Leeper – Simone Jaffe Collins, Inc. (SJC)
Lisa Mahall – Steering Committee Member
Earl Matz – Steering Committee Member
Craig Morgan – Steering Committee Member
Peter Simone – SJC
Susan Smith – Steering Committee Member
Patrick Stasio – SJC Team
David Stauffer – SJC

Notes:

1. Peter S. began the meeting by reviewing the issues brought up at the first Public Meeting. The Steering Committee meeting handouts included information on the benefits of public parks. Peter S. stated that similar information would be added to the report and that the subject would be more thoroughly covered at the next public meeting. Craig M. recommended that we add Community Recreation and Parks: A Handbook for Pennsylvania Municipalities by Susan E. Abele (CPRP, 2003) to our information.
2. Peter S. stated the importance of the YMCA's interest in starting a partnership with the Schuylkill County. He suggested that this be considered in both The Sweet Arrow Lake Master Plan and the evolving County Park System.
3. Mary Kay B. stated that the Girl Scouts have funding to construct a facility (most likely at a site other than Sweet Arrow Lake) in Schuylkill County and should be considered as a potential partner.
4. Peter S. reiterated the importance of reviewing the Swatara State Park program and proposed facilities to insure that they are not duplicated at Sweet Arrow Lake.
5. Earl M. asked if the SJC team had any recommendations for the clubhouse rental rate structure. Peter S. recommended that site improvements surrounding the clubhouse be completed before renting the facility to ensure safe operation. Bob E. suggested that the clubhouse could be rented with the understanding that the grounds were closed until the stump removal was completed. Peter S. stated that there are still many questions and issues that the committee needs to address before renting the clubhouse. It was suggested that before the next meeting SJC will compile a memo covering all the issues. **Mary Kay B. agreed to provide SJC with the current operating bills for the clubhouse to help define the rate structure. Susan S. agreed to compile information on local Fire Hall rentals fees and forward this information to SJC.**

6. Peter S. presented the information on surrounding facilities compiled by E.L.Crow Inc. Mary Kay B. suggested that the committee tour some of the facilities. Peter S. suggested that the committee might start by looking at the facilities on the Internet; **the SJC team will provide the Steering Committee with a list of the facilities' web addresses.**
7. Peter S. inquired as to the status of the land donation for the access drive entrance improvements, and whether we should make suggestions and plans based on the donation of this land to the county. It was suggested that the land be considered in the Master Plan. Denise D. pointed out that the donor was considering donating approximately 37 acres that are held in a conservation easement by the Wildlands Conservancy. **Susan S. will provide SJC with a copy of the easement agreement.** Peter S. pointed out that the addition of this land could open up additional programming possibilities around the clubhouse.
8. Peter S. reviewed the public opinion survey. A calling range within a 30-minute drive of the park was maintained based on reasonable driving time to get to the park. Corrections to the survey were noted. After review by Ted Reed a final copy will be submitted to Bob E. for his review before the survey is conducted. The survey will take approximately six weeks to complete; the results should be ready to present in early April. Mary Kay B. inquired if the interviews are recorded; SJC will look into this and discuss with Ted Reed.
9. Peter S. reviewed the swimming regulations handout. Craig M. pointed out that water quality has not been tested at the lake. **Mary Kay B. will have the water tested ASAP.** Peter S. pointed out that even if the water is not safe, swimming could still be planned for as a future park activity once the water quality is improved. Peter S. will also discuss with the US Army Corps of Engineers.
10. It was stated that Penn Dot has scheduled improvements for Sweet Arrow Lake Rd (Rt 3002) and that their work should be considered when planning in this area. **SJC will Contact Bill McClafferty at Penn Dot District 5.**
11. Craig M. stated that the county should consider marking the boundaries of its property to help delineate between private and public lands, and that he felt the shoreline walk was a necessity.
12. Denise D. handed out PP&L's original lake regulations. It was asked if docks are under the regulation of the county or the Army Corps. SJC will look into this and make a recommendation on how to address the construction of new private docks. It was also suggested that PP&L might be approached as a possible partner for improvement funding.
13. It was decided that the next public meeting would be held on June 2 at the Sweet Arrow Lake Clubhouse with an open house being held from 4:00 to 6:00 pm and a formal presentation following at 6:30 pm. The open house would also allow for various partners to setup displays.
14. SJC to meet with the Sweet Arrow Lake Commission and the Schuylkill County Park & Recreation Commission on Wednesday March 17th, 7 pm, Friedensburg Fish and Game.
15. Following the meeting the SJC team accompanied by Bob E. and Denise D. visited the site. We walked around the lake, the area north of Sweet Arrow Lake Rd., and the area south of the dam.

Next Meeting: Steering Committee Meeting #3 – Wednesday March 17th, 2 PM Schuylkill County Courthouse, Commissioner's Room

Respectfully Submitted,
SIMONE JAFFE COLLINS, INC.
LANDSCAPE ARCHITECTURE



Sarah R. Leeper

Cc: Steering Committee
Design Team



SIMONE JAFFE COLLINS
LANDSCAPE ARCHITECTURE

4/6/04

Sweet Arrow Lake Master Plan

SJC# 03002.10

**SCHUYLKILL COUNTY PARKS & RECREATION COMMISSION AND SWEET ARROW LAKE
COMMISSION MEETING #1 - MINUTES**

Date/Time: 3/17/04, 7 PM

Location: Schuylkill County Agriculture Center

In Attendance: Peter Simone – Simone Jaffe Collins, Inc. (SJC)
David Stauffer – SJC
(See attached attendance sheet)

Notes:

1. Peter S. began the meeting with a brief project overview that included a review of the project design team, project scope of work, the project schedule, and status of work completed to date. The master planning process was reviewed and it was indicated that the construction of park improvements would likely be completed in phases over a number of years.
2. Peter S. briefly reviewed the US Army Corps of Engineers Lake Aquatic Ecosystem Restoration Project and noted that the Army Corp project has temporarily been put on hold due to Federal funding constraints.
3. Peter S. reviewed the site analysis mapping and photos of the existing site conditions from a site walk of Sweet Arrow Lake County Park.
4. Peter S. reviewed the conceptual plans and discussed proposed improvements to the clubhouse area including Clubhouse Road improvements, revegetation, simplified access to the clubhouse and parking area, and possibly a concession area. Additionally, Peter S. indicated that the Schuylkill County YMCA is interested in working with the county to provide activities and programs at Sweet Arrow Lake County Park.
5. Peter S. discussed conceptual ideas for a trail and bridge over the Upper Little Swatara Creek to connect the clubhouse area to the parking area below the dam. The trail and bridge would allow pedestrians to view the waterfall and allow for the parking area below the dam to be used for overflow parking when large events are held at the clubhouse.
6. Peter S. stated that the Steering Committee had indicated that a dry hydrant and access to the hydrant by firefighting equipment should be considered in the master plan.
7. Peter S. reviewed the conceptual trail system including a walkway along the north shore of the lake that would be separated from Sweet Arrow Lake Road. Small parking areas are also being considered for the north side of the lake. To create the land area for the pathway and parking areas, the placement of excavated sediment from the Army Corps restoration project will be required.
8. Lake swimming was discussed and Peter S. stated that a beach is being considered on the north side of the lake. Swimming is dependant upon acceptable water quality testing.

It is important to include lake swimming in the master plan as the creation of a swimming area and beach is related to the work to be conducted by the Army Corps Lake Aquatic Ecosystem Restoration Project.

9. The Army Corps budget of 1.8 million was discussed along with the 50% match required of Schuylkill County. Peter S. suggested that the county pursue a \$200,000 to \$400,000 DCNR grant in October 2004 by using Army Corps money as matching funds.
10. An attendee asked if a bulkhead or a boardwalk had been considered for the trail along the north side of the lake. Peter S. indicated that a boardwalk would be expensive and that the placement of dredged fill material along the north side of the lake is likely the most cost effective solution.
11. The costs associated with constructing a bridge over the Upper Little Swatara Creek were discussed. Peter S. stated that a cost has not been determined at this point in the master plan study. SJC will develop conceptual drawings for a bridge along with a cost estimate that will be included in the draft master plan report.
12. Concerns over privacy between private residences and county owned land was discussed. Peter S. stated that the master plan would recommend a visual screen comprised of tree and understory plantings.
13. The rate structure for clubhouse rentals was briefly discussed. Peter S. indicated that the consultant team is working on a suggested rate structure for clubhouse rentals. Additionally, the operational issues associated with clubhouse rental were reviewed.
14. The use of volunteer labor and donations for park improvements was discussed in regards to project funding. Peter S. stated that funding agencies often look favorably upon volunteerism and project support by local partners.
15. An attendee questioned if signage will be included in the master plan. Peter S. explained that signage design is not included in the master plan study however suggestions for location signage, interpretive signage, and regulatory signage will be included in the master plan report.
16. Peter S. indicated that the draft plan would be presented at the next public meeting to be held on June 2, 2004 at the Sweet Arrow Lake Clubhouse. Additionally, the draft report will be available for review on the Internet.

Next Meeting: Joint Commission Meeting #2 – Anticipated for September 2004. The meeting date, location and time shall be determined.

Respectfully Submitted,
SIMONE JAFFE COLLINS, INC.
LANDSCAPE ARCHITECTURE



David T. Stauffer, RLA
Project Manager

Cc: Design Team
Steering Committee
Schuylkill County Parks and Recreation Commission
Sweet Arrow Lake Commission

Sweet Arrow Lake Master Plan
Schuylkill County Parks and Recreation Commission & Sweet Arrow Lake Commission Meeting
March 17, 2004, 7 PM @ Schuylkill County Agriculture Center

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