

RESOLUTION NO. 42 - 2018

Moved by: Wanda Williams

A Resolution certifying that certain grant requirements and objectives of a Community Conservation Partnerships Grant from the Pennsylvania Department of Conservation and Natural Resources have been completed.

WHEREAS, the City was awarded a \$50,000 Community Conservation Partnerships Grant from the Pennsylvania Department of Conservation and Natural Resources ("DCNR") (Grant# BRC-TAG-20-166) on February 6, 2015 to prepare a Master Site Development Plan ("Plan") for Reservoir Park; and

WHEREAS, the City received an initial \$25,000 payment from the grant in 2015 to begin the Master Site Development Plan project; and

WHEREAS, the City entered into a professional services agreement with H. Edward Black and Associates, LTD, on September 1, 2016 as a consultant to prepare the Master Site Development Plan; and

WHEREAS, the Consultant completed the plan and has delivered the Plan to the City, a summary of proposed costs is attached hereto as "Exhibit A"; and

WHEREAS, the grant has been completed and the City is prepared to send its final reporting and other required information to DCNR to close the grant and receive the remaining \$25,000 payment; and

WHEREAS, DCNR, as part of the final reporting process, requires a resolution from the City certifying that certain grant requirements and objectives in the Grant Agreement have been met; and

WHEREAS, the City hereby certifies that each of the following conditions and objections of the grant have been accomplished:

- a) The project was completed in accordance with the Grant Agreement;
- b) All project expenditures have been made and were in accordance with the Grant Agreement;
- c) The Plan and related materials are acceptable to the City; and

AS AMENDED

- d) The Plan and related materials will be used to guide future recreation and conservation decisions.

NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED BY THE COUNCIL OF THE CITY OF HARRISBURG, that Council certifies that the specific grant conditions, requirements and objectives stated herein have been completed in accordance with the Grant Agreement.

BE IT FURTHER RESOLVED that the Mayor, City Controller and other appropriate City officials are authorized and directed to take all steps necessary to further effectuate the purpose of this resolution.

Seconded by: [Signature]

APRIL 24, 2018

Wanda R. Williams
President of City Council

[Signature]
City Clerk

YEAS		NAYS
<input checked="" type="checkbox"/>	MR. ALLATT	
<input checked="" type="checkbox"/>	MS. DANIELS	
<input checked="" type="checkbox"/>	MS. GREEN	
<input checked="" type="checkbox"/>	MR. JOHNSON	
<input checked="" type="checkbox"/>	MR. MADSEN	
<input checked="" type="checkbox"/>	MR. MAJORS	
<input checked="" type="checkbox"/>	MS. WILLIAMS	
Yeas	7	
Nays	0	

BY COUNCIL

Exhibit "A"

OPINION of PROBABLE CONSTRUCTION COST
 Project: Reservoir Park
 City of Harrisburg, Dauphin County, PA.

OPINION OF COST IS BASED ON PRELIMINARY PLANS AND DOES NOT REFLECT
 FINAL DESIGN - COSTS ARE SUBJECT TO ADJUSTMENT.

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
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PHASE 1

Circulation Enhancements Phase 1

	Line Painting	LF	5,000	\$ 0.40	\$ 2,000.00
	Painted Pavement Symbols	LS	1	\$ 5,000.00	\$ 5,000.00
	Gates	EA	7	\$ 3,300.00	\$ 23,100.00
		SUB TOTAL			\$ 30,100.00
	10% Contingency				\$ 3,010.00

CIRCULATION ENHANCEMENTS TOTAL \$ 33,110.00

Meadow Planting

	Site Preparation	AC	16.47	\$ 2,800.00	\$ 46,116.00
	Meadow Planting	SF	717,615	\$ 0.25	\$ 179,403.75
		SUB TOTAL			\$ 225,519.75
	10% Contingency				\$ 22,551.98

MEADOW PLANTING TOTAL \$ 248,071.73

Chutes and Ladders Playground

	Soil Erosion Control/ Demolition	LS	1	\$ 8,000.00	\$ 8,000.00
	Site Preparation	AC	0.88	\$ 2,800.00	\$ 2,464.00
	Grading	CY	1,407	\$ 14.00	\$ 19,698.00
	Concrete Walks (4" Concrete Depth, including excavation and base)	SF	5,083	\$ 7.60	\$ 38,630.80
	Replacement Railing	LF	629	\$ 120.00	\$ 75,480.00
	Nature Play Equipment	LS	1	\$ 70,000.00	\$ 70,000.00
	Asphalt base for Play Surface	SY	1,200	\$ 30.00	\$ 36,000.00
	Poured Rubber Play Surface	SF	10,000	\$ 18.00	\$ 180,000.00
	Landscape allowance	LS	1	\$ 20,000.00	\$ 20,000.00
	Lawn Seeding	SF	5,000	\$ 0.25	\$ 1,250.00
	Lighting allowance	LS	1	\$ 10,000.00	\$ 10,000.00
	Benches	EA	4	\$ 1,660.00	\$ 6,640.00
	Trash Receptacle	EA	1	\$ 2,000.00	\$ 6,000.00
		SUB TOTAL			\$ 474,162.80
	10% Contingency				\$ 47,416.28

CHUTES & LADDERS PLAYGROUND TOTAL \$ 521,579.08

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
Dog Park					
	Soil Erosion Control	LS	1	\$ 4,000.00	\$ 4,000.00
	Site Preparation/ demolition	AC	1.50	\$ 2,800.00	\$ 4,200.00
	Grading	CY	1,650	\$ 14.00	\$ 23,100.00
	Stormwater (Underparking Detention)	SF	1,000	\$ 29.00	\$ 29,000.00
	Rain Garden- soil, geotextile, outlet structure, perforated pipe, planting	SF	2,555	\$ 8.00	\$ 20,440.00
	Potable Water Service	LF	500	\$ 40.00	\$ 20,000.00
	18" Concrete Curb, including excavation & backfill	LF	290	\$ 25.00	\$ 7,250.00
	Asphalt Pavement	SY	550	\$ 49.50	\$ 27,225.00
	Landscape allowance	LS	1	\$ 10,000.00	\$ 10,000.00
	Lawn Seeding	SF	138,041	\$ 0.16	\$ 22,086.56
	Vinyl Coated Fencing (Including 4 gates) 4' height	LF	1,830	\$ 18.00	\$ 32,940.00
	Benches	EA	8	\$ 1,660.00	\$ 13,280.00
	Trash Receptacle	EA	2	\$ 1,930.00	\$ 3,860.00
	Water Fountain (water service cost under potable water costs)	EA	2	\$ 12,000.00	\$ 24,000.00
	Parking stall line striping	LF	90	\$ 1.00	\$ 90.00
		SUB TOTAL			\$ 241,471.56
	10% Contingency				\$ 24,147.16

DOG PARK TOTAL \$ 265,618.72

PHASE 1 TOTAL \$ 1,068,379.52

PHASE 2

Restroom - West					
	Soil Erosion Control	LS	1	\$ 3,000.00	\$ 3,000.00
	Grading - strip topsoil, grading, spread topsoil, finish grade	CY	280.00	\$ 14.00	\$ 3,920.00
	Restroom Building	LS	1	\$ 180,000.00	\$ 180,000.00
	Potable Water Service	LF	100	\$ 40.00	\$ 4,000.00
	Sanitary Sewer Service Lateral	LF	250	\$ 75.00	\$ 18,750.00
	Electric - Single Phase Underground Wire trenching and installation	LF	250	\$ 40.00	\$ 10,000.00
	Concrete Walks (4" Concrete Depth, including excavation and base)	SF	1,000	\$ 7.60	\$ 7,600.00
	Lawn Seeding	SF	1,400	\$ 0.40	\$ 560.00
		SUB TOTAL			\$ 227,830.00
	10% Contingency				\$ 22,783.00

RESTROOM TOTAL \$ 250,613.00

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
Trike / Skateboard Park					
	Soil Erosion Control	LS	1	\$ 5,000.00	\$ 5,000.00
	Site Preparation	AC	1.50	\$ 2,800.00	\$ 4,200.00
	Grading	CY	2,500	\$ 14.00	\$ 35,000.00
	Asphalt Pavement	SY	2,000	\$ 49.50	\$ 99,000.00
	Benches	EA	4	\$ 1,660.00	\$ 6,640.00
	Lawn Seeding	SF	46,748	\$ 0.16	\$ 7,479.68
		SUB TOTAL			\$ 157,319.68
	10% Contingency				\$ 15,731.97
TRIKE SKATEBOARD PARK TOTAL					\$ 173,051.65

Toddler Playground 1 (West)					
	Soil Erosion Control/ demolition	LS	1	\$ 10,000.00	\$ 10,000.00
	Site Preparation	AC	0.22	\$ 2,800.00	\$ 616.00
	Grading	CY	1,038	\$ 14.00	\$ 14,532.00
	Stormwater (Underground Detention)	SF	1,000	\$ 29.00	\$ 29,000.00
	Engineered wood fiber play surface (including aggregate & geofabric)	SF	2,026	\$ 3.80	\$ 7,698.80
	Underdrain	LF	80	\$ 7.00	\$ 560.00
	Landscape allowance	LS	1	\$ 8,000.00	\$ 8,000.00
	Lawn Seeding	SF	7,315	\$ 0.16	\$ 1,170.40
	Preschool Play Apparatus	LS	1	\$ 51,286.00	\$ 51,286.00
	Swings	LS	1	\$ 4,976.00	\$ 4,976.00
	Rock Climber	LS	1	\$ 36,292.00	\$ 36,292.00
	Benches	EA	3	\$ 1,660.00	\$ 4,980.00
	Picnic Tables	EA	2	\$ 3,000.00	\$ 6,000.00
	Trash Receptacle	EA	1	\$ 2,000.00	\$ 6,000.00
		SUB TOTAL			\$ 181,111.20
	10% Contingency				\$ 18,111.12
TODDLER PLAYGROUND 1 TOTAL					\$ 199,222.32

PHASE 2 TOTAL \$ 622,886.97

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
PHASE 3					
Hillside Seating (Bandshell)					
	Soil Erosion Control	LS	1	\$ 5,000.00	\$ 5,000.00
	Site Preparation	AC	0.25	\$ 2,800.00	\$ 700.00
	Grading	CY	1,349	\$ 14.00	\$ 18,886.00
	Stormwater (Wall Underdrains)	LS	1	\$ 10,000.00	\$ 10,000.00
	Lawn Seeding	SF	8,092	\$ 0.16	\$ 1,294.72
	Seat Walls	SSF	1,002.00	\$ 55.00	\$ 55,110.00
	Railing	LF	50	\$ 120.00	\$ 6,000.00
		SUB TOTAL			\$ 96,990.72
	10% Contingency				\$ 9,699.07

HILLSIDE SEATING TOTAL \$ 106,689.79

Food Truck Pull-offs					
	Soil Erosion Control	LS	1	\$ 2,000.00	\$ 2,000.00
	Site Preparation	AC	0.50	\$ 2,800.00	\$ 1,400.00
	Grading	CY	267	\$ 14.00	\$ 3,738.00
	18" Concrete Curb, including excavation & backfill	LF	240	\$ 25.00	\$ 6,000.00
	Asphalt Pavement	SY	200	\$ 49.50	\$ 9,900.00
	Lawn Seeding	SF	6,500	\$ 0.16	\$ 1,040.00
		SUB TOTAL			\$ 24,078.00
	10% Contingency				\$ 2,407.80

FOOD TRUCK PULL-OFFS TOTAL \$ 26,485.80

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
Spray Play Alley					
	Soil Erosion Control/ demolition	LS	1	\$ 10,000.00	\$ 10,000.00
	Site Preparation	AC	0.17	\$ 2,800.00	\$ 476.00
	Grading	CY	262	\$ 14.00	\$ 3,668.00
	Sanitary Sewer Service Lateral	LF	100	\$ 75.00	\$ 7,500.00
	Potable Water Service	LF	150	\$ 40.00	\$ 6,000.00
	Electric - Single Phase Underground Wire trenching and installation	LF	300	\$ 40.00	\$ 12,000.00
	Concrete Walks (4" Concrete Depth, including excavation and base)	SF	4,600	\$ 7.60	\$ 34,960.00
	Benches	EA	4	\$ 1,660.00	\$ 6,640.00
	Trash Receptacle	EA	1	\$ 2,000.00	\$ 6,000.00
	Lawn Seeding	SF	2,510	\$ 0.16	\$ 401.60
	Zero Depth Fountain (fountain, pump and reservoir)	LS	1	\$ 200,000.00	\$ 200,000.00
		SUB TOTAL			\$ 287,645.60
	10% Contingency				\$ 28,764.56

SPRAY PLAY ALLEY TOTAL \$ 316,410.16

Expanded Parking (Bandshell)					
	Soil Erosion Control/demolition	LS	1	\$ 12,000.00	\$ 12,000.00
	Site Preparation - clear/grub, stakeout	AC	2.00	\$ 2,800.00	\$ 5,600.00
	Grading	CY	1,000	\$ 14.00	\$ 14,000.00
	18" Concrete Curb, including excavation & backfill	LF	2,000	\$ 25.00	\$ 50,000.00
	Asphalt Pavement	SY	3,600	\$ 49.50	\$ 178,200.00
	Parking stall line striping	LF	1,500	\$ 1.00	\$ 1,500.00
	Asphalt walkways	SY	275	\$ 49.50	\$ 13,612.50
	Stormwater - under parking detention	SF	5,000	\$ 29.00	\$ 145,000.00
	Landscape allowance	LS	1	\$ 6,000.00	\$ 6,000.00
	Lawn Seeding	SF	51,300	\$ 0.16	\$ 8,208.00
		SUB TOTAL			\$ 434,120.50
	10% Contingency				\$ 43,412.05

EXPANDED PARKING (BANDSHELL) TOTAL \$ 477,532.55

PHASE 3 TOTAL \$ 927,118.30

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
PHASE 4					
Expanded Parking (Courts)					
	Soil Erosion Control	LS	1	\$ 5,000.00	\$ 5,000.00
	Site Preparation - clear/grub, stakeout	AC	1.20	\$ 2,800.00	\$ 3,360.00
	Grading	CY	4,000	\$ 14.00	\$ 56,000.00
	18" Concrete Curb, including excavation & backfill	LF	1,000	\$ 25.00	\$ 25,000.00
	Asphalt Pavement	SY	2,000	\$ 49.50	\$ 99,000.00
	Parking stall line striping	LF	800	\$ 1.00	\$ 800.00
	Stormwater - under parking detention	SF	3,000	\$ 29.00	\$ 87,000.00
	Retaining Wall	SFF	1,000	\$ 40.00	\$ 40,000.00
	Lawn Seeding	SF	27,000	\$ 0.16	\$ 4,320.00
			SUB TOTAL		\$ 320,480.00
	10% Contingency				\$ 32,048.00

EXPANDED PARKING (COURTS) TOTAL \$ 352,528.00

Tennis Court Resurfacing Pavilion/Handball/Tennis/Pickleball					
	Soil Erosion Control	LS	1	\$ 2,500.00	\$ 2,500.00
	Handball Walls 16' height x 120'	SSF	1,920	\$ 60.00	\$ 115,200.00
	Court Resurfacing and Striping	SF	17,450	\$ 1.25	\$ 21,812.50
	Pavilion - 26' x 40'	LS	1	\$ 94,000.00	\$ 94,000.00
	Picnic Tables	EA	8	\$ 3,000.00	\$ 24,000.00
	Tennis posts and net	EA	1	\$ 1,200.00	\$ 1,200.00
	Pickleball Court Net, paddles and balls	EA	4	\$ 270.00	\$ 1,080.00
	Fence	LF	920	\$ 52.50	\$ 48,300.00
			SUB TOTAL		\$ 308,092.50
	10% Contingency				\$ 30,809.25

HANDBALL/PAVILION/TENNIS/PICKELBALL TOTAL \$ 338,901.75

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
Renovated Basketball Courts/Hillside Grandstands					
	Soil Erosion Control	LS	1	\$ 2,000.00	\$ 2,000.00
	Grading and Site Preparation	LS	1	\$ 5,000.00	\$ 5,000.00
	Basketball Court Resurfacing and Striping	SF	20,150	\$ 1.25	\$ 25,187.50
	Fence	LF	490	\$ 52.50	\$ 25,725.00
	Replace Stair Railings	LS	1	\$ 10,000.00	\$ 10,000.00
	Water Fountain	EA	1	\$ 10,000.00	\$ 10,000.00
	Grandstands (Seat Walls)	SSF	1,000	\$ 40.00	\$ 40,000.00
		SUB TOTAL			\$ 117,912.50
	10% Contingency				\$ 11,791.25

BASKETBALL/GRANDSTANDS TOTAL \$ 129,703.75

PHASE 4 TOTAL \$ 821,133.50

PHASE 5

Walnut St. On-Street Parking					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
	Soil Erosion Control	LS	1	\$ 5,000.00	\$ 5,000.00
	Sawcut and remove asphalt	SY	780	\$ 12.00	\$ 9,360.00
	Rain Garden- soil, geotextile, outlet structure, perforated pipe, planting	SF	7,000	\$ 8.00	\$ 56,000.00
	Asphalt Pavement - top coat only existing road	SY	4,400	\$ 20.00	\$ 88,000.00
	18" Concrete Curb, including excavation & backfill	LF	600	\$ 25.00	\$ 15,000.00
	Curb Ramps (Including Detectable Warning)	EA	4	\$ 780.00	\$ 3,120.00
	Crosswalks	EA	2	\$ 725.00	\$ 1,450.00
	Parking stall line striping	LF	1,680	\$ 1.00	\$ 1,680.00
		SUB TOTAL			\$ 179,610.00
	10% Contingency				\$ 17,961.00

WALNUT ST PARKING TOTAL \$ 197,571.00

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
Traffic Circle					
	Soil Erosion Control	LS	1	\$ 3,000.00	\$ 3,000.00
	Site Preparation - demolition, stakeout	LS	1	\$ 10,000.00	\$ 10,000.00
	Grading - strip topsoil, grading, spread topsoil, finish grade	CY	200.00	\$ 14.00	\$ 2,800.00
	Stormwater	LS	1	\$ 20,000.00	\$ 20,000.00
	18" Concrete Curb, including excavation & backfill	LF	700	\$ 25.00	\$ 17,500.00
	Asphalt Pavement	SY	170	\$ 49.50	\$ 8,415.00
	Concrete Apron	SF	1,000	\$ 30.00	\$ 30,000.00
	Concrete Walks (4" Concrete Depth, including excavation and base)	SF	3,500	\$ 7.60	\$ 26,600.00
	Curb Ramps (Including Detectable Warning)	EA	9	\$ 780.00	\$ 7,020.00
	Crosswalks	EA	5	\$ 725.00	\$ 3,625.00
	Signage	LS	1	\$ 2,000.00	\$ 2,000.00
	Landscape allowance	LS	1	\$ 5,000.00	\$ 5,000.00
		SUB TOTAL			\$ 135,960.00
	10% Contingency				\$ 13,596.00

TRAFFIC CIRCLE TOTAL \$ 149,556.00

Circulation Enhancements - Phase 5

	Site Preparation - demolition	LS	1	\$ 20,000.00	\$ 20,000.00
	Bollards - removable, lockable	EA	27	\$ 1,600.00	\$ 43,200.00
	Replace existing permanent bollards	EA	20	\$ 1,400.00	\$ 28,000.00
	Asphalt Pavement	SY	800	\$ 49.50	\$ 39,600.00
		SUB TOTAL			\$ 130,800.00
	10% Contingency				\$ 13,080.00

CIRCULATION ENHANCEMENTS TOTAL \$ 143,880.00

PHASE 5 TOTAL \$ 491,007.00

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
PHASE 6					
Mother Tree Music Play					
	Soil Erosion Control	LS	1	\$ 3,000.00	\$ 3,000.00
	Site Preparation	AC	0.70	\$ 2,800.00	\$ 1,960.00
	Grading	CY	800	\$ 14.00	\$ 11,200.00
	Asphalt Pavement	SY	275	\$ 49.50	\$ 13,612.50
	Landscape allowance	LS	1	\$ 5,000.00	\$ 5,000.00
	Lawn Seeding	SF	20,820	\$ 0.16	\$ 3,331.20
	Music Play Equipment	LS	1	\$ 15,000.00	\$ 15,000.00
	Benches	EA	2	\$ 1,660.00	\$ 3,320.00
	Picnic Tables	EA	1	\$ 3,000.00	\$ 3,000.00
	Trash Receptacle	EA	1	\$ 2,000.00	\$ 6,000.00
		SUB TOTAL			\$ 65,423.70
	10% Contingency				\$ 6,542.37

MOTHER TREE MUSIC PLAY TOTAL \$ 71,966.07

Todler Playground 2 East					
	Soil Erosion Control	LS	1	\$ 2,000.00	\$ 2,000.00
	Site Preparation	AC	0.35	\$ 2,800.00	\$ 980.00
	Grading	CY	170	\$ 14.00	\$ 2,380.00
	Engineered wood fiber play surface (including aggregate & geofabric)	SF	1,009	\$ 3.80	\$ 3,834.20
	Underdrain	LF	195	\$ 7.00	\$ 1,365.00
	Landscape allowance	LS	1	\$ 5,000.00	\$ 5,000.00
	Lawn Seeding	SF	1,283	\$ 0.16	\$ 205.28
	Preschool Play Apparatus	LS	1	\$ 51,286.00	\$ 51,286.00
	Swings	LS	1	\$ 4,976.00	\$ 4,976.00
	Rock Climber	LS	1	\$ 36,292.00	\$ 36,292.00
	Benches	EA	3	\$ 1,660.00	\$ 4,980.00
	Picnic Tables	EA	2	\$ 3,000.00	\$ 6,000.00
	Trash Receptacle	EA	1	\$ 2,000.00	\$ 6,000.00
		SUB TOTAL			\$ 125,298.48
	10% Contingency				\$ 12,529.85

TODLER PLAYGROUND 2 TOTAL \$ 137,828.33

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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
Pavilion Grove					
	Soil Erosion Control	LS	1	\$ 3,000.00	\$ 3,000.00
	Site Preparation/clear underbrush	AC	0.70	\$ 2,800.00	\$ 1,960.00
	Grading	CY	898	\$ 14.00	\$ 12,572.00
	Electric - Single Phase Underground Wire trenching and installation	LF	300	\$ 40.00	\$ 12,000.00
	Asphalt Pavement	SY	381	\$ 49.50	\$ 18,859.50
	Landscape allowance	LS	1	\$ 6,000.00	\$ 6,000.00
	Lawn Seeding	SF	16,243	\$ 0.16	\$ 2,598.88
	Pavillion - 20' x 20', all steel	EA	2	\$ 70,000.00	\$ 140,000.00
	Pavillion - 26' x 40', all steel	EA	1	\$ 90,000.00	\$ 90,000.00
	Pavilion Concrete Pad (6" Concrete Depth)	SF	1,868	\$ 11.40	\$ 21,295.20
	Picnic Tables	EA	22	\$ 3,000.00	\$ 66,000.00
	Charcoal Grills	EA	3	\$ 1,600.00	\$ 4,800.00
	Trash Receptacle	EA	3	\$ 2,000.00	\$ 6,000.00
		SUB TOTAL			\$ 385,085.58
	10% Contingency				\$ 38,508.56

PAVILION GROVE TOTAL \$ 423,594.14

Restroom East					
	Soil Erosion Control	LS	1	\$ 3,000.00	\$ 3,000.00
	Grading - strip topsoil, grading, spread topsoil, finish grade	CY	280.00	\$ 14.00	\$ 3,920.00
	Restroom Building	LS	1	\$ 180,000.00	\$ 180,000.00
	Potable Water Service	LF	100	\$ 40.00	\$ 4,000.00
	Sanitary Sewer Service Lateral	LF	100	\$ 75.00	\$ 7,500.00
	Electric - Single Phase Underground Wire trenching and installation	LF	600	\$ 40.00	\$ 24,000.00
	Concrete Walks (4" Concrete Depth, including excavation and base)	SF	1,000	\$ 7.60	\$ 7,600.00
	Lawn Seeding	SF	1,400	\$ 0.40	\$ 560.00
		SUB TOTAL			\$ 230,580.00
	10% Contingency				\$ 23,058.00

RESTROOM TOTAL \$ 253,638.00

PHASE 6 TOTAL \$ 887,026.54

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PHASE 7					
Trails: Great Lawn, Dog Park, to Flat Top, Expanded Greenbelt					
	Soil Erosion Control	LS	1	\$ 8,000.00	\$ 8,000.00
	Site Preparation	AC	2.00	\$ 2,800.00	\$ 5,600.00
	Grading	CY	2,600	\$ 14.00	\$ 36,400.00
	Asphalt Pavement	SY	2,400	\$ 49.50	\$ 118,800.00
	Landscape allowance	LS	1	\$ 6,000.00	\$ 6,000.00
	Lawn Seeding	SF	30,000	\$ 0.16	\$ 4,800.00
	Benches	EA	4	\$ 1,660.00	\$ 6,640.00
		SUB TOTAL			\$ 186,240.00
	10% Contingency				\$ 18,624.00

EXPANDED GREENBELT TRAIL TOTAL \$ 204,864.00

Bicycle Pump Track					
	Soil Erosion Control	LS	1	\$ 3,000.00	\$ 3,000.00
	Site Preparation/clearing	AC	0.50	\$ 2,800.00	\$ 1,400.00
	Grading	CY	1,336	\$ 14.00	\$ 18,704.00
	Stormwater (Rain Garden connection to Storm System)	LS	1	\$ 5,000.00	\$ 5,000.00
	Rain Garden- soil, geotextile, outlet structure, perforated pipe, planting	SF	1,576	\$ 8.00	\$ 12,608.00
	Asphalt Pavement	SY	214	\$ 49.50	\$ 10,593.00
	Lawn Seeding	SF	11,896	\$ 0.16	\$ 1,903.36
	Pump Track Course	LS	1	\$ 243,000.00	\$ 243,000.00
		SUB TOTAL			\$ 296,208.36
	10% Contingency				\$ 29,620.84

BICYCLE PUMP TRACK TOTAL \$ 325,829.20

OPINION of PROBABLE CONSTRUCTION COST
Project: Reservoir Park
City of Harrisburg, Dauphin County, PA.

OPINION OF COST IS BASED ON PRELIMINARY PLANS AND DOES NOT REFLECT
 FINAL DESIGN - COSTS ARE SUBJECT TO ADJUSTMENT.

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
	Flat Top Elipse Path				
	Soil Erosion Control	LS	1	\$ 5,000.00	\$ 5,000.00
	Site Preparation	AC	0.43	\$ 2,800.00	\$ 1,204.00
	Grading (trail and underground SWM)	CY	1,246	\$ 14.00	\$ 17,444.00
	Underground Stormwater BMP (In Existing Museum Parking)	SF	5,000	\$ 29.00	\$ 145,000.00
	Asphalt Pavement - trail	SY	707	\$ 49.50	\$ 34,996.50
	Asphalt Pavement (Replace on SWM in existing parking)	SY	556	\$ 49.50	\$ 27,522.00
	Lawn Seeding	SF	12,275	\$ 0.16	\$ 1,964.00
	Benches	EA	4	\$ 1,660.00	\$ 6,640.00
		SUB TOTAL			\$ 239,770.50
	10% Contingency				\$ 23,977.05

FLAT TOP ELIPSE TOTAL \$ 263,747.55

PHASE 7 TOTAL \$ 794,440.75

PHASE 8

	Renovated Fountain (A statue fountain)				
	Demolition	LS	1	\$ 4,000.00	\$ 4,000.00
	Site Preparation	AC	0.12	\$ 2,800.00	\$ 336.00
	Grading	CY	91	\$ 14.00	\$ 1,274.00
	Lawn Seeding	SF	4,900	\$ 0.16	\$ 784.00
	Fountain renovation allowance	LS	1	\$ 75,000.00	\$ 75,000.00
	Lighting allowance	LS	1	\$ 10,000.00	\$ 10,000.00
	Replace Stair Railings	LS	1	\$ 5,000.00	\$ 5,000.00
	Selective Tree Clearing for views	LS	1	\$ 3,000.00	\$ 3,000.00
		SUB TOTAL			\$ 95,394.00
	10% Contingency				\$ 9,539.40

RENOVATED FOUNTAIN TOTAL \$ 104,933.40

OPINION of PROBABLE CONSTRUCTION COST
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 City of Harrisburg, Dauphin County, PA.

OPINION OF COST IS BASED ON PRELIMINARY PLANS AND DOES NOT REFLECT
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ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	
	Fountain restoration to zero depth (single statue fountain)					
	Soil Erosion Control/Demolition	LS	1	\$ 8,000.00	\$ 8,000.00	
	Site Preparation	AC	0.54	\$ 2,800.00	\$ 1,512.00	
	Grading	CY	600	\$ 14.00	\$ 8,400.00	
	Stormwater (Rain Garden connection to Storm System)	LS	1	\$ 5,000.00	\$ 5,000.00	
	Rain Garden- soil, geotextile, outlet structure, perforated pipe, planting	SF	3,000	\$ 8.00	\$ 24,000.00	
	Asphalt Pavement	SY	146	\$ 49.50	\$ 7,227.00	
	Landscape allowance	LS	1	\$ 6,000.00	\$ 6,000.00	
	Lawn Seeding	SF	9,963	\$ 0.16	\$ 1,594.08	
	Zero Depth Fountain (fountain, pump and reservoir)	LS	1	\$ 90,000.00	\$ 90,000.00	
	Lighting allowance	LS	1	\$ 10,000.00	\$ 10,000.00	
	Paver Plaza - New Pavers Around Fountain	SF	722	\$ 25.00	\$ 18,050.00	
	Replace Stair Railings	LS	1	\$ 8,000.00	\$ 8,000.00	
	Benches	EA	4	\$ 1,660.00	\$ 6,640.00	
		SUB TOTAL			\$	194,423.08
	10% Contingency				\$	19,442.31

ZERO DEPTH FOUNTAIN TOTAL \$ 213,865.39

PHASE 8 TOTAL \$ 318,798.79

SITE WORK TOTAL \$ 5,930,791.36
 USE TOTAL SITE WORK \$ 5,930,800.00

Design, engineering and permitting costs are not included in this estimate