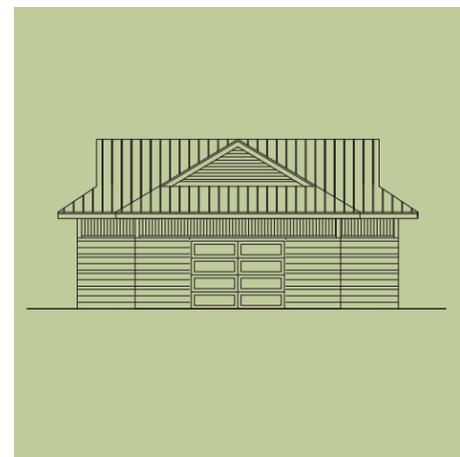
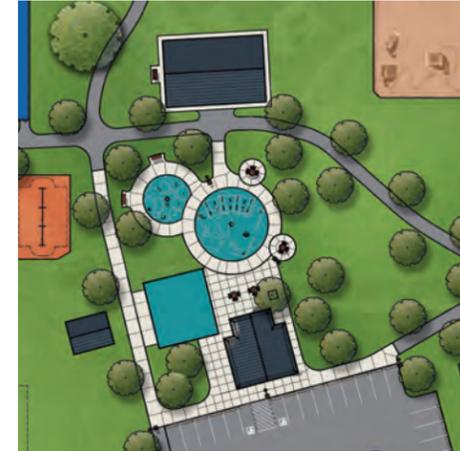


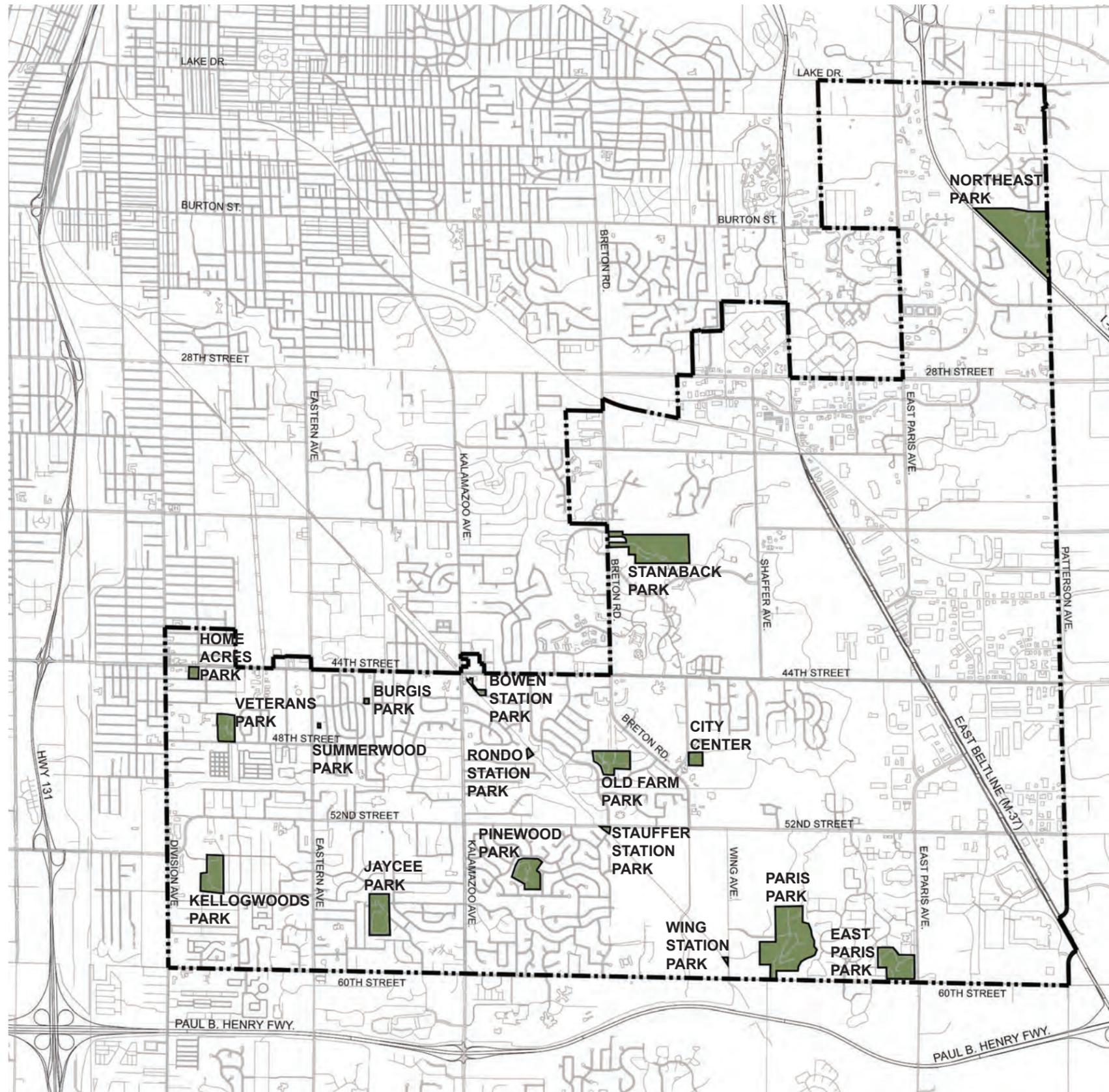
CITY OF KENTWOOD PARKS MASTER PLANS

INDEX

EXECUTIVE SUMMARY

- A. SERVICE AREAS AND TRAILS
- B. DESIGN VOCABULARY
- C. PARK ENTRANCE CONCEPT
- D. BOWEN STATION
- E. BURGIS PARK
- F. EAST PARIS NATURE PARK
- G. HOME ACRES PARK
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- Q. RESTROOM BUILDING PROTOTYPES
- R. PUBLIC INPUT PROCESS
- S. ORDER OF PARK PRIORITIES





**VICINITY MAP
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN**



EXECUTIVE SUMMARY

Each Park was inventoried for overall condition, condition of amenities and unique amenities not found at other parks.

Plan Inventories, Considerations, Potentials and Programming were reviewed with City Staff for insite on the way the parks are currently used.

Initial Concept Plans were developed and presented to the City Staff and a Joint Meeting of the Planning Commission and City Council.

Concept Plans were provided at public meetings throughout the City of Kentwood where residents were encouraged to provide comments and suggestions on the plans.

The Parks and Recreation Business Plan that included Key Leadership and Stakeholder Focus Groups as well as a Recreation Needs Assessment was completed. Those results were incorporated into the Concept Plans.

The Concept Plans were revised and Developed into Master Plans with Associated Costs.

The Service Area of each Park was evaluated based upon a 1/4, 1/2 and 3 miles radius and the neighborhoods that it serves.

The Master Plans and Costs were Presented to the City Staff and at the City Commission Retreat.

From the Public Comments, Business Plan, Service Areas, Condition of Park and Unique Park Amenities, the Parks were ranked on highest priority for improvements. The ranking is as follows:

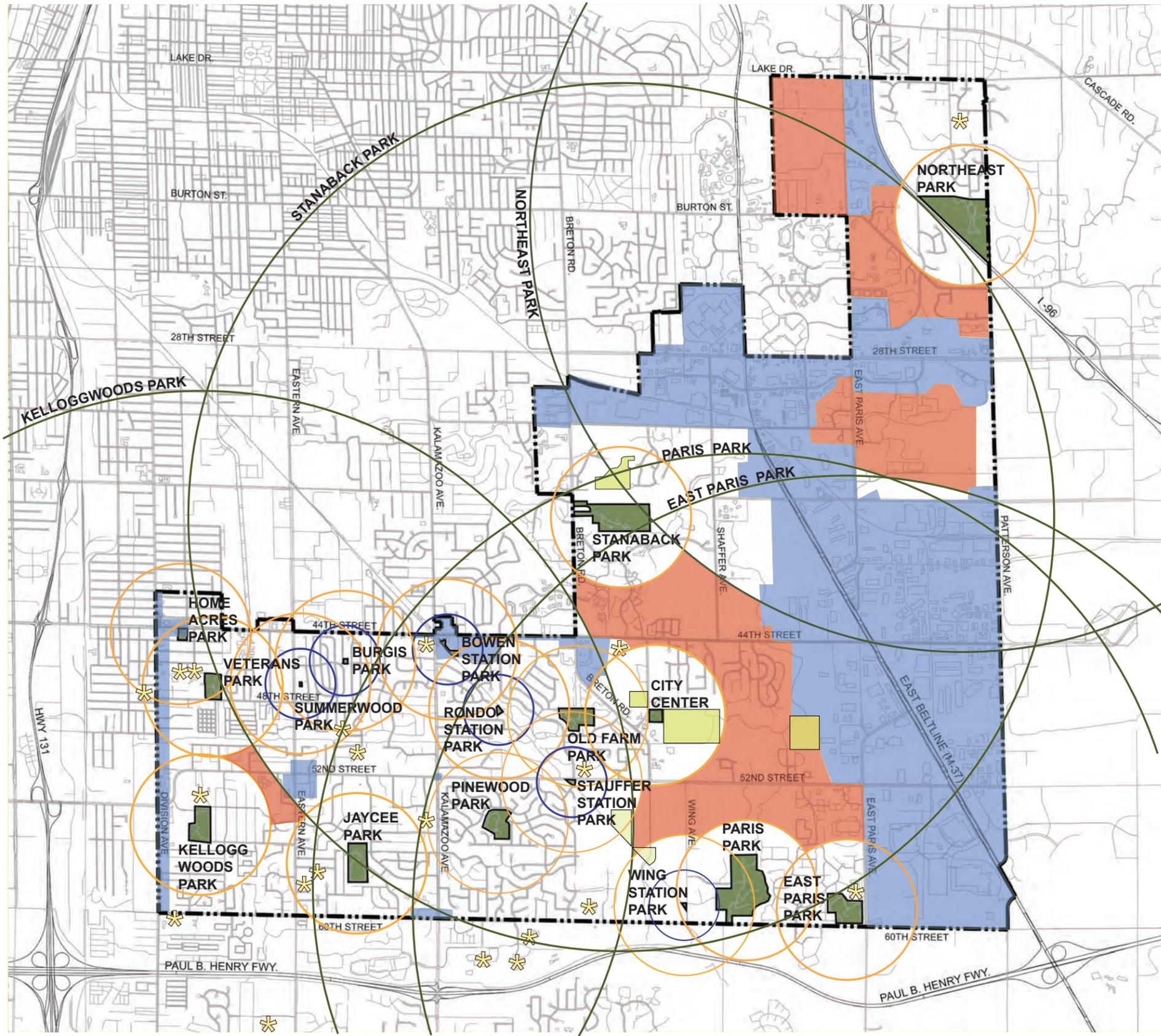
- | | | |
|-----------------------|----------------------|---------------------|
| 1. Jaycee Park | 5. Northeast Park | 8. Stanaback Park |
| 2. Pinewood Park | 6. East Paris Nature | 9. Stauffer Station |
| 3. Kellogg Woods Park | 7. Bowen Station | 9. Rhondo Station |
| 4. Old Farm Park | 8. Paris Park | 9. Burgis Park |
| 4. Home Acres | | |

Plan Organization for Park Planning and Design is Organized as Follows:

1. ENTIRE PARK SYSTEM CONSIDERATIONS: Service Areas; Trails; Design Vocabulary and Entrance Designs
2. PARK - Vicinity Map
3. PARK - Existing Conditions
4. PARK - Site Inventory and Evaluations
5. PARK - Considerations, Potentials and Programming
6. PARK - Improvement Concept Plan
7. PARK - Specific Design Vocabulary
8. PARK - Master Plan
9. PARK - Cost Estimates

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LEGEND

- KENTWOOD CITY PARKS
- PUBLIC SCHOOL LOCATIONS
- COMMERCIAL AND INDUSTRIAL ZONED
- UNSERVICED AREAS
BASED ON CITY OWNED PARK LOCATIONS
AND SCHOOL PROPERTIES USING "PARK,
RECREATION, OPEN SPACE AND GREENWAY
GUIDELINES,"
- UNDEVELOPED CITY OWNED PROPERTY
- 1/4 MILE RADIUS
(POCKET PARK)
- 1/2 MILE RADIUS - 10 MIN WALK
(NEIGHBORHOOD PARK)
- 3 MILE RADIUS
(COMMUNITY PARK)
- CITY BOUNDARY

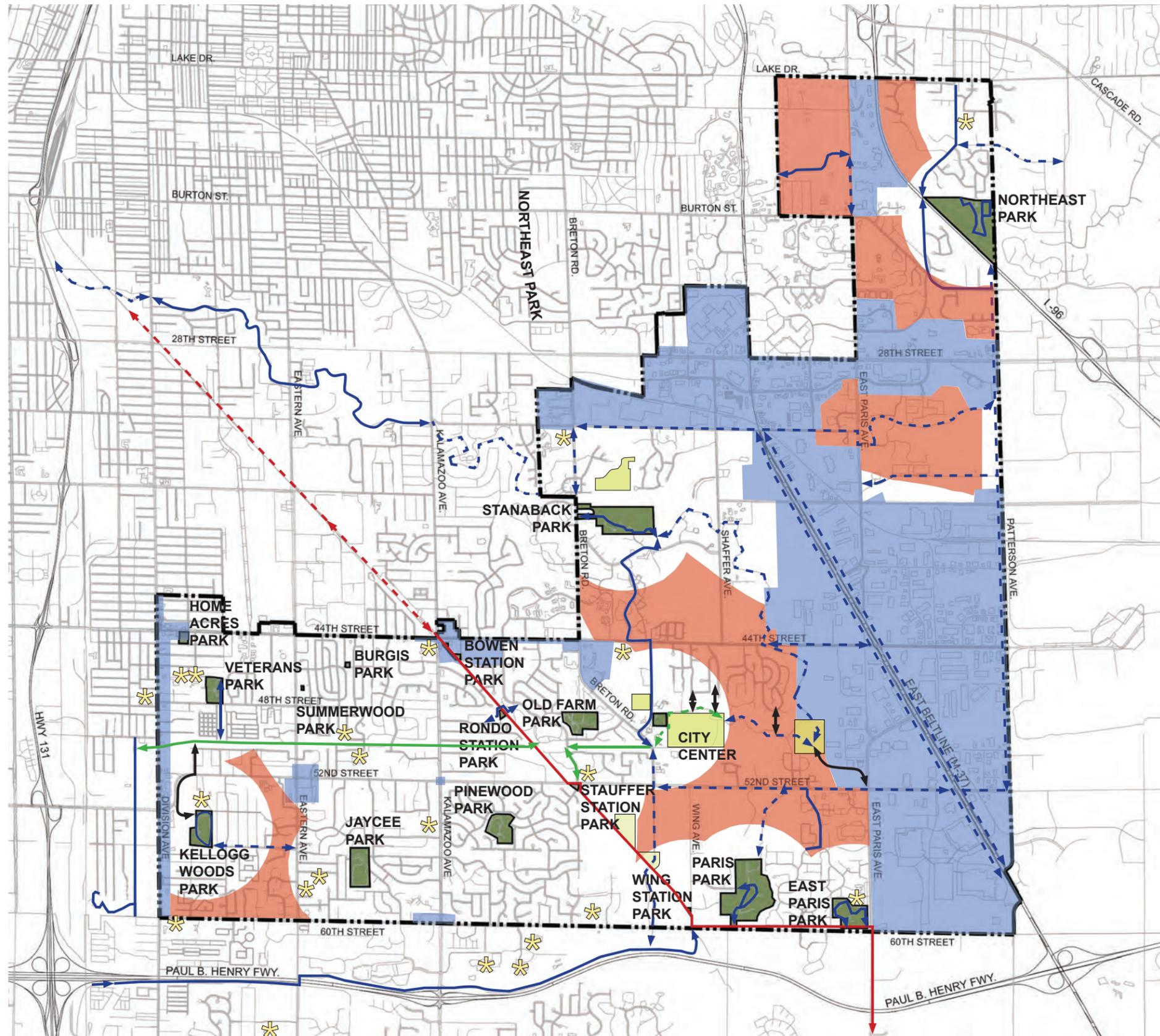
**PARK SERVICE AREAS
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN**



NORTH NOT TO SCALE

DATE
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LEGEND

- KENTWOOD CITY PARKS
- UNSERVICED AREAS
- UNDEVELOPED CITY OWNED PROPERTY
- PUBLIC SCHOOL LOCATIONS
- CITY BOUNDARY

FROM CITY OF KENTWOOD NON-MOTORIZED FACILITIES PLAN 2017

- EXISTING EAST WEST TRAIL
- FUTURE EAST WEST TRAIL
- EXISTING PAUL HENRY TRAIL
- FUTURE PAUL HENRY TRAIL
- OTHER EXISTING SHARED USE PATHS/
- OTHER FUTURE SHARED USE PATHS/ SIDE PATH

ADDITIONAL SUGGESTED CONNECTIONS

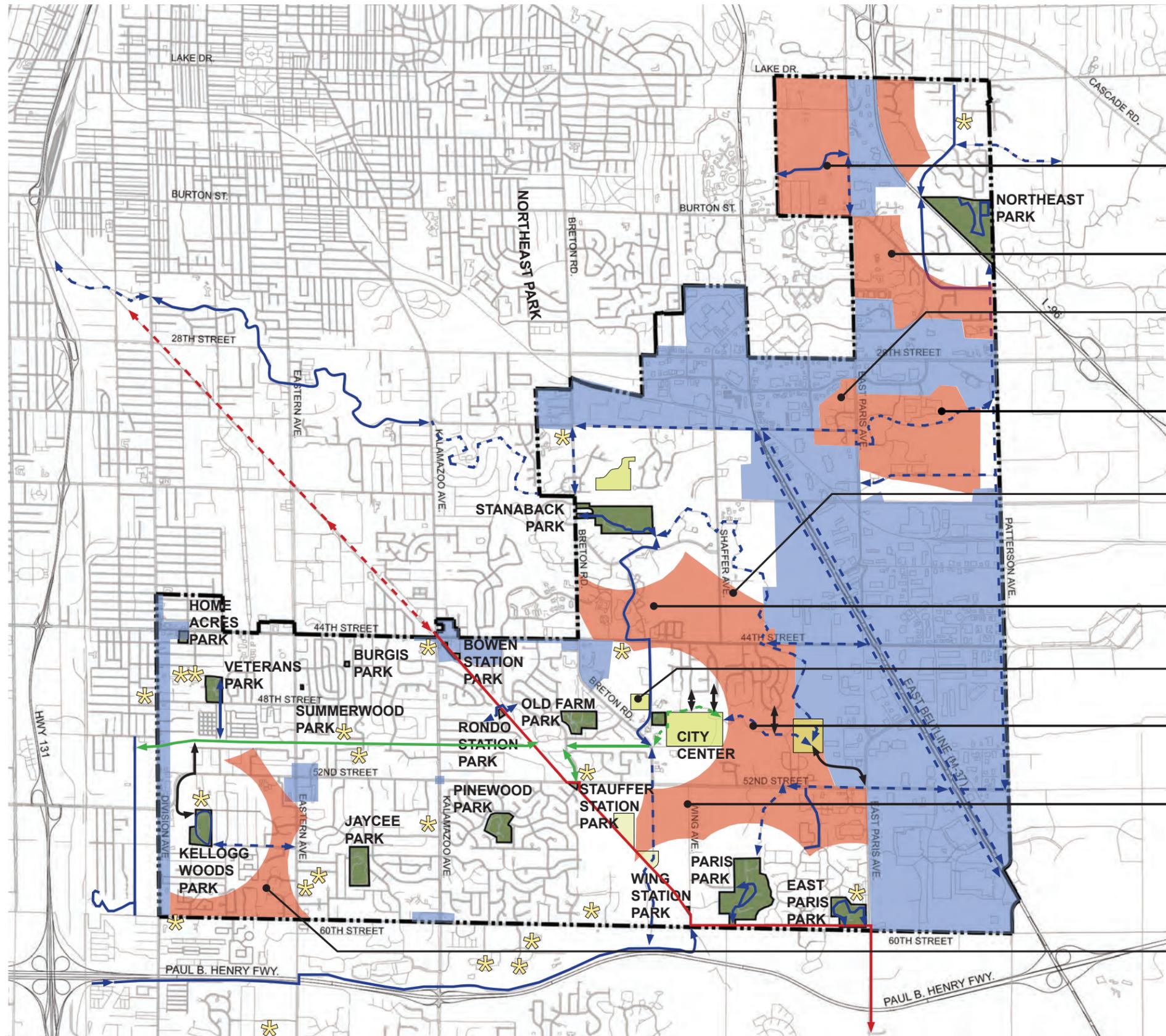
**TRAIL SYSTEM IMPROVEMENTS AND CONNECTIONS
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN**



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OTHER CONSIDERATIONS

- ACQUIRE PROPERTY APPROPRIATE FOR A DOG PARK
- ACQUIRE PROPERTY APPROPRIATE FOR RECREATION CENTER.
- BASED ON COMMUNITY INPUT, FOCUS ON EXPANDING TRAIL SYSTEM.

DEVELOP MASTER PLANNED TRAILS IN THIS AREA TO CONNECT NEIGHBORHOOD TO TRAILS. NOTE POPULATION DENSITY IN THIS GENERAL AREA IS LOW.

CONSIDER ACQUIRING PROPERTY TO DEVELOP PARK TO SERVICE THIS AREA.

CONSIDER ACQUIRING PROPERTY TO DEVELOP PARK TO SERVICE THIS AREA.

HOUSING DEVELOPMENTS ARE SERVICED BY HOUSING ASSOCIATION AMENITIES. HOWEVER TRAILS CONNECTIONS SHOULD BE MADE.

AREA IS UNDEVELOPED, CONSIDER ACQUIRING PROPERTY TO PROVIDE RECREATION OPPORTUNITIES TO FUTURE RESIDENTIAL DEVELOPMENT.

HOUSING DEVELOPMENTS ARE SERVICED BY HOUSING ASSOCIATION AMENITIES. HOWEVER CONNECTIONS TO TRAIL SHOULD BE DEVELOPED.

MASTER PLAN SITE FOR CITY EVENT CENTER BUILDING

DEVELOP CITY CENTER AS COMMUNITY PARK PER PREVIOUS MASTER PLAN TO SERVICE THIS AREA, INCLUDING MASTER PLANNED TRAILS.

POPULATION DENSITY IS VERY LOW. RECOMMENDATION IS TO INSTALL MASTER PLANNED TRAILS TO CONNECT COMMUNITY TO PARK SYSTEM.

DEVELOP CITY PROPERTY AS CAMP GROUND, GLAMPING YURTS, OR OTHER IDEAS FROM BUISNESS RECREATION PLAN.

THIS AREA IS SERVED BY VETERANS PARK AND KELLOGG WOODS PARK. THESE PARKS HAVE ALL THE FACILITIES TO MEET THE NEEDS OF THE PUBLIC.

SERVICE AREA AND TRAIL CONSIDERATIONS PARKS MASTER PLANS CITY OF KENTWOOD, MICHIGAN



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TRAIL MAP KIOSK

-ONE STANDARDIZED OPTION TO UNIFY TRAIL CITY TRAIL HEADS



SHADE SHELTERS

-VARIETY OF OPTIONS TO CREATE UNIQUE THEME FOR EACH PARK (MAY INCLUDED CITY OF KENTWOOD LOGO)



SITE FURNITURE

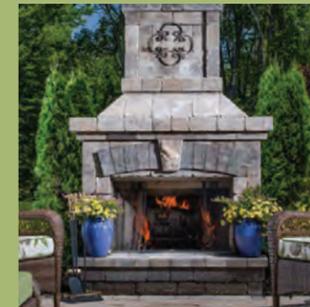
-ACTUAL COLORS NOT SHOWN



CUSTOMIZABLE BIKE RACK

OUTDOOR FIRE PLACE

-AT ENVIRONMENTAL EDUCATION SHELTER IN NORTHEAST PARK



**DESIGN VOCABULARY
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN**

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SKATABLE ART
-HOME ACRES PARK



MOUNTAIN BIKE TRAIL ACCESSORIES
-STANABACK PARK



PLAY EQUIPMENT
-THEMED BY PARK LOCATION



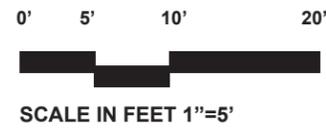
DESIGN VOCABULARY
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN

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- DECORATIVE LIGHTING
- ORNAMENTAL TREES
- PRECAST CONCRETE PLANTER WITH LOW MAINTENANCE IVY PLANTING
- SANDBLASTED CONCRETE PEDISTAL

ELEVATION



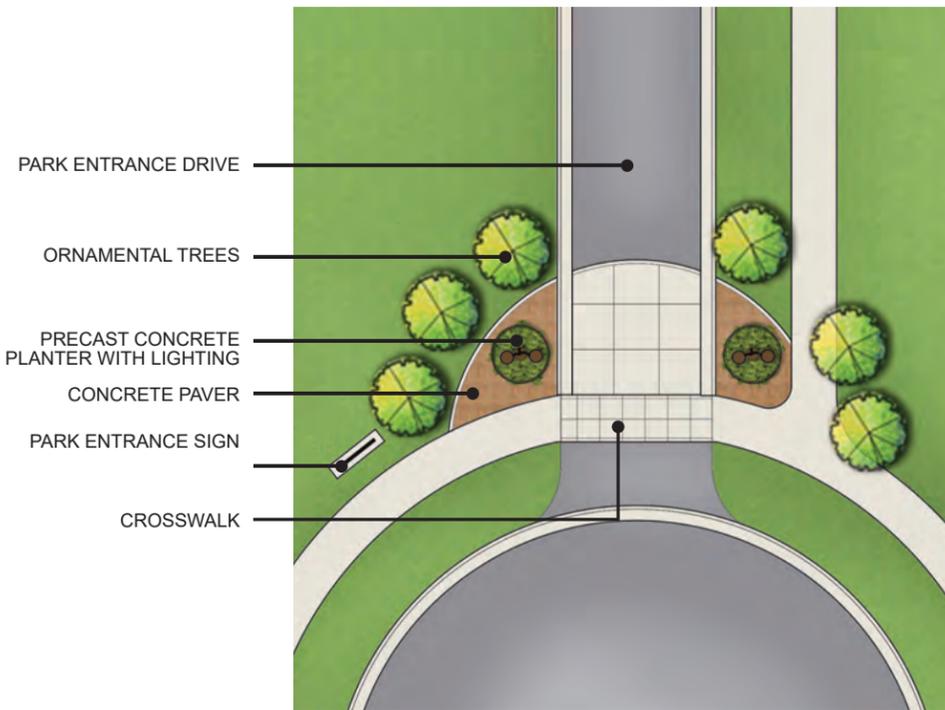
CONCRETE PAVERS



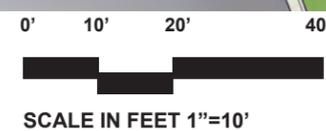
GROUPING FOR ORNAMENTAL TREES



DECORATIVE LIGHTING



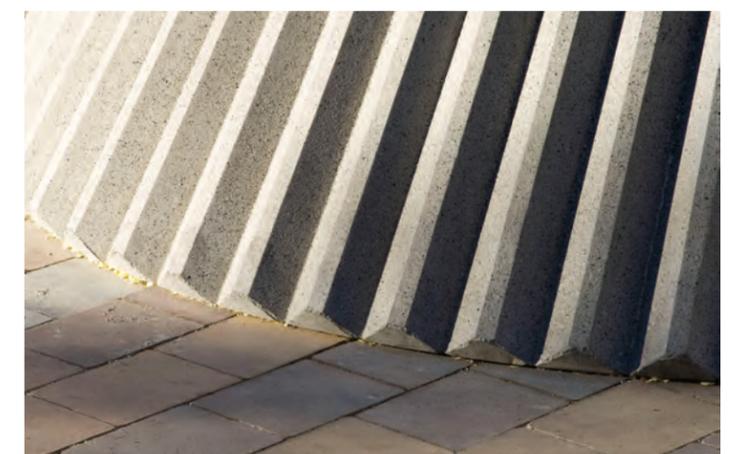
- PARK ENTRANCE DRIVE
- ORNAMENTAL TREES
- PRECAST CONCRETE PLANTER WITH LIGHTING
- CONCRETE PAVER
- PARK ENTRANCE SIGN
- CROSSWALK



SITE PLAN



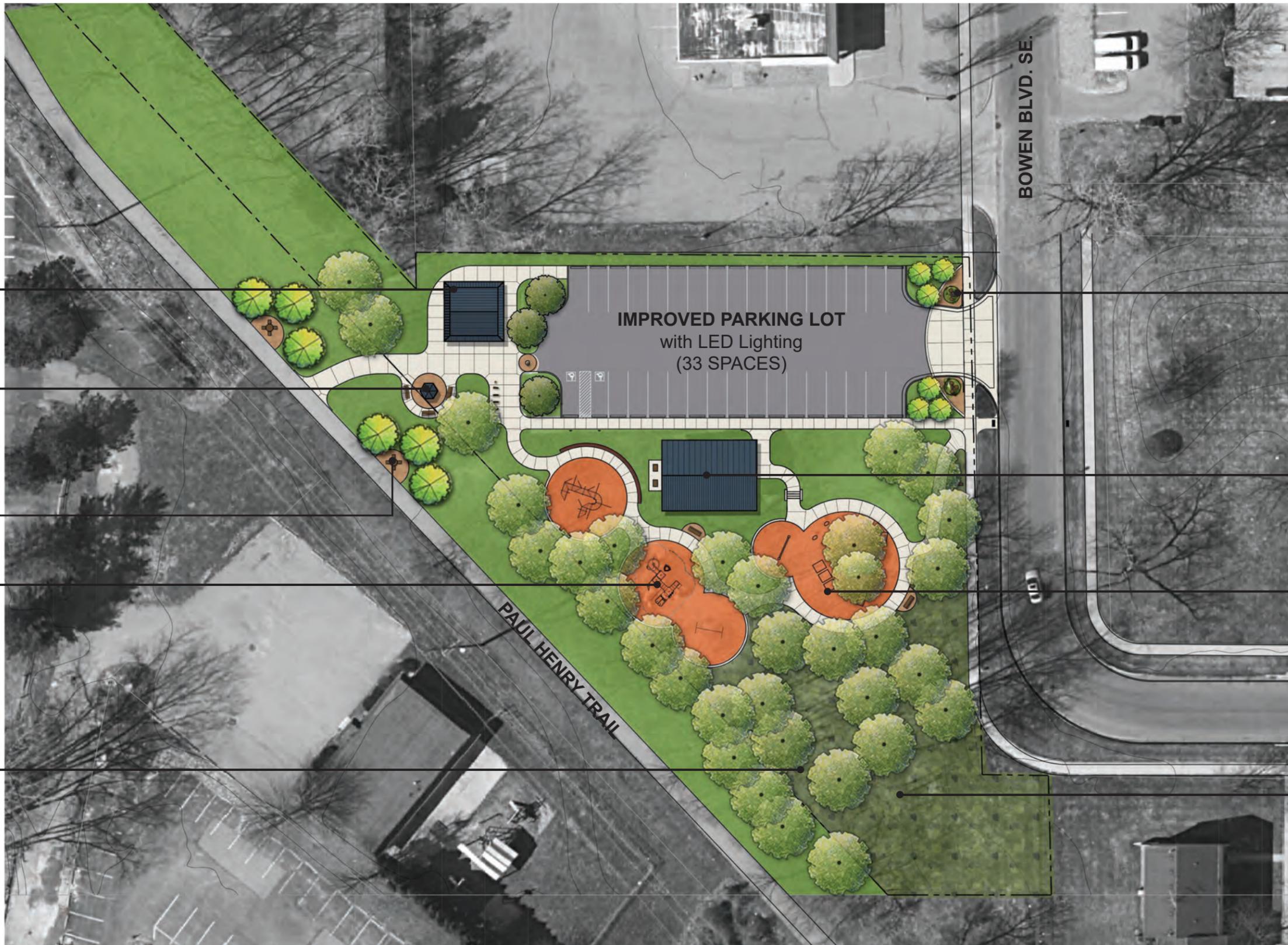
PRECAST CONCRETE PLANTER



**ENTRY CONCEPT
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN**

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RESTROOM BUILDING
- Prototype a
With drinking fountain

TRAIL HEAD PLAZA
-Trail Map Kiosk,
Bike Racks, and Bike
Repair Station

PICNIC TABLE SEATING

REPLACE WITH HIGHLY ACCESSIBLE EQUIPMENT

LOW MAINTENANCE GROUNDCOVER PLANTINGS UNDER EXISTING TREES

IMPROVED PARKING LOT
with LED Lighting
(33 SPACES)

ENTRY FEATURE

RENOVATE SHELTER
-Add grills, serving
tables, and lighting

IMPROVED EXISTING PLAY AREA WITH EDGER AND PATHWAYS

IMPROVED DRAINAGE

Bowen Station Park - MASTER PLAN
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN



DATE
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BOWEN STATION MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$6,000.00	\$6,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$4,000.00	\$4,000.00
General Conditions (M, O & P@5%)	LS	1	\$22,534.00	\$22,534.00
Subtotal				\$38,534.00

Description	Unit	No. of Units	Price	Extension
Site Preparation and Removals				
Soil Erosion, Sedimentation Control, Site Preparation, Grading and Removals	SY	7568	\$2.50	\$18,920.00
Site Drainage	LS	1	\$5,000.00	\$5,000.00
Subtotal				\$23,920.00

Description	Unit	No. of Units	Price	Extension
Restroom Building and Utilities				
Restroom Building (with Wall Mounted Drinking Fountain)	SF	475	\$225.00	\$106,875.00
Utility Connections	LS	1	\$1,000.00	\$1,000.00
Subtotal				\$107,875.00

Description	Unit	No. of Units	Price	Extension
Site Construction				
Renovate Existing Shelter	LS	1	\$3,000.00	\$3,000.00
Bituminous Sealcoat and Striping	SY	1,389	\$3.00	\$4,167.00
Concrete Straight Curb	LF	117	\$22.00	\$2,574.00
Concrete Flush Curb	LF	211	\$22.00	\$4,642.00
Concrete Sidewalk - 4" Depth	SF	5,942	\$5.00	\$29,710.00
Concrete Pavers	SF	850	\$25.00	\$21,250.00
Concrete Steps with Railing and Cheekwall	SF	40	\$70.00	\$2,800.00
Barrier Free Sign	EA	2	\$500.00	\$1,000.00
Freestanding Wall	LF	54	\$200.00	\$10,800.00
6' Fence	LF	479	\$35.00	\$16,765.00
Subtotal				\$96,708.00

Description	Unit	No. of Units	Price	Extension
Playground				
Resilient Surfacing	SF	1,075	\$15.00	\$16,125.00
Engineered Wood Fiber Surfacing	SY	258	\$12.00	\$3,096.00
Mobius - 12 Panel	LS	1	\$47,265.00	\$47,265.00
GT - Surfs Up	LS	1	\$26,656.00	\$26,656.00
Turned Down Edge	LF	280	\$22.00	\$6,160.00
Subtotal				\$99,302.00

Description	Unit	No. of Units	Price	Extension
Signage				
Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Secondary Entrance	LS	1	\$1,000.00	\$1,000.00
Map Kiosk	LS	1	\$13,000.00	\$13,000.00
Subtotal				\$44,000.00

Description	Unit	No. of Units	Price	Extension
Site Amenities				
Benches	EA	7	\$2,500.00	\$17,500.00
Litter Receptacles	EA	4	\$1,500.00	\$6,000.00
Grills	EA	2	\$1,000.00	\$2,000.00
Bike Racks	EA	5	\$500.00	\$2,500.00
Subtotal				\$28,000.00

Description	Unit	No. of Units	Price	Extension
Lighting and Electrical				
Site Parking and Drive Lights	EA	2	\$4,000.00	\$8,000.00
Shelter Light	LS	1	\$1,000.00	\$1,000.00
Electrical Distribution	LF	332	\$12.00	\$3,984.00
SUBTOTAL				\$12,984.00

Description	Unit	No. of Units	Price	Extension
Landscape Improvements				
Ornamental Trees	EA	12	\$400.00	\$4,800.00
Ground Cover	LS	1	\$8,000.00	\$8,000.00
Lawn Seeding Seeding	SY	3,643	\$2.50	\$9,107.50
Subtotal				\$21,907.50

SUBTOTAL	\$473,230.50
Design and Construction Contingences @ 10%	\$47,323.05
Professional Fees and Expenses @9%	\$46,849.82
BOWEN STATION PARK IMPROVEMENTS	\$567,403.37

Evaluations of the Project Budget and Estimates of Construction Cost prepared by M.C. Smith Associates represents their judgment as design professionals. It is recognized, however, M.C. Smith Associates has no control over the cost of labor, materials or equipment, nor a contractor's methods of determining bid prices, or over competitive bidding, or market conditions. Accordingly, M.C. Smith Associates cannot and does not warrant or represent that bids or negotiated prices will not vary from the Project Budget or from any estimate of construction cost or evaluation prepared by M.C. Smith Associates.





Burgis Park - MASTER PLAN
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN



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2032



BURGIS PARK MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$5,000.00	\$5,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$2,000.00	\$2,000.00
General Conditions (M, O & P@5%)	LS	1	\$13,695.00	\$13,695.00
SUBTOTAL				\$26,695.00

Site Preparation and Removals

Soil Erosion, Sedimentation Control; Site Preparation, Grading and Removals Including: Timber Edging, Fencing, and Shrub Plantings	SY	4148	\$5.00	\$20,740.00
Remove Baseball Goal and Footing and Fill Footing Hole	LS	1	\$500.00	\$500.00
Remove Existing Paving Complete	SF	12177	\$3.00	\$36,531.00
SUBTOTAL				\$57,771.00

Site Construction

Bituminous Paving	SY	235	\$25.00	\$5,875.00
Concrete Sidewalk - 4" Depth	SF	3,055	\$5.00	\$15,275.00
Concrete Curb and Gutter	LF	91	\$22.00	\$2,002.00
Decorative Paving (Exposed Aggregate or Colored Concrete)	SF	157	\$8.00	\$1,256.00
Concrete Pavers with Edger	SF	241	\$25.00	\$6,025.00
Bollards	EA	5	\$500.00	\$2,500.00
Barrier Free Sign	EA	1	\$500.00	\$500.00
4' Tall Fencing	LF	240	\$35.00	\$8,400.00
ADA Access Ramp	EA	1	\$500.00	\$500.00
SUBTOTAL				\$42,333.00

Basketball Court

Acrylic Court Surfacing	SY	165	\$5.00	\$825.00
Goals (Precast Concrete)	EA	1	\$3,000.00	\$3,000.00
SUBTOTAL				\$3,825.00

Description	Unit	No. of Units	Price	Extension
Pickleball Courts				
Bituminous Court Paving	SY	408	\$40.00	\$16,320.00
Acrylic Court Surfacing	SY	408	\$5.00	\$2,040.00
Pickleball Net with 2 posts	EA	2	\$1,500.00	\$3,000.00
4' Tall Fencing	LF	72	\$35.00	\$2,520.00
8' Tall Fencing	LF	213	\$45.00	\$9,585.00
4' Gates	EA	3	\$600.00	\$1,800.00
SUBTOTAL				\$35,265.00

Futsal Court

Bituminous Court Paving	SY	945	\$40.00	\$37,800.00
Acrylic Court Surfacing	SY	945	\$5.00	\$4,725.00
Goals	EA	2	\$600.00	\$1,200.00
8' Tall Fencing	LF	260	\$45.00	\$11,700.00
SUBTOTAL				\$55,425.00

Site Amenities

Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Secondary Entry Feature	EA	1	\$1,000.00	\$1,000.00
Benches	EA	3	\$2,500.00	\$7,500.00
Picnic Tables	EA	2	\$3,000.00	\$6,000.00
Litter Receptacles	EA	2	\$1,500.00	\$3,000.00
Bike Racks	EA	5	\$500.00	\$2,500.00
Drinking Fountain (Including 3/4" Waterline and 2" Sanitary Line)	LS	1	\$8,000.00	\$8,000.00
SUBTOTAL				\$58,000.00

Lighting and Electrical

Electrical Distribution	LS	1	\$1,000.00	\$1,000.00
SUBTOTAL				\$1,000.00

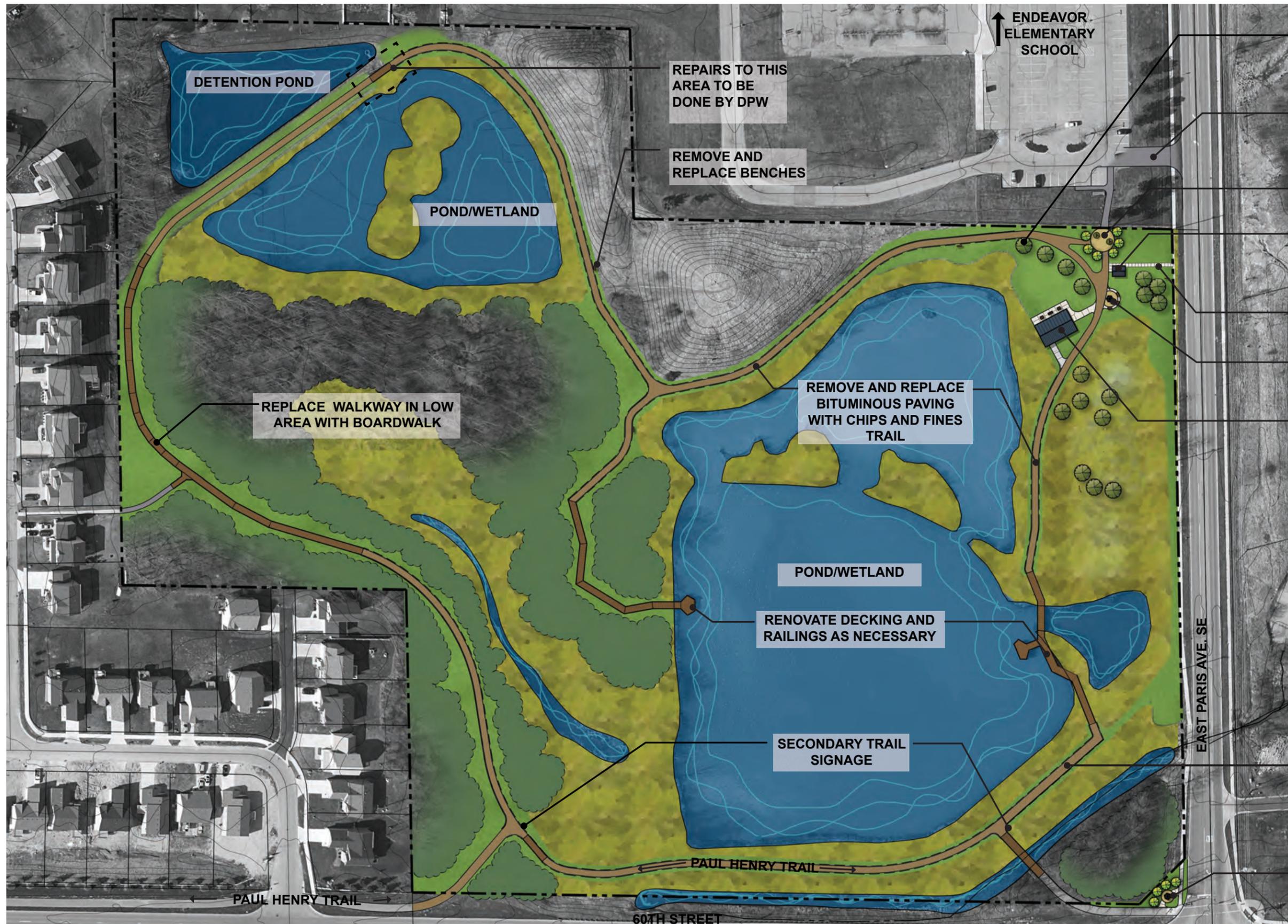
Landscape Improvements

Irrigation System	SY	1,425	\$3.00	\$4,275.00
Evergreen Trees	EA	4	\$300.00	\$1,200.00
Restoration Seeding and 4" of Top Soil	SY	455	\$4.00	\$1,820.00
SUBTOTAL				\$7,295.00

SUBTOTAL				\$287,609.00
Design and Construction Contingences @ 10%				\$28,760.90
Professional Fees and Expenses @9%				\$28,473.29
BURGIS PARK IMPROVEMENTS				\$344,843.19

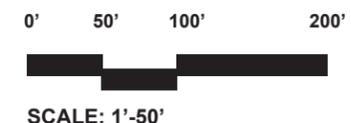
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- TREE PLANTING**
-Variety of native species for identification
- RECENTLY RECONFIGURED DRIVEWAY**
- ENTRY FEATURE**
- EXISTING RESTROOM TO REMAIN**
-When needed, replace with prototype a
- PAVED CONNECTION TO EAST PARIS AVE.**
- KIOSK** - with trail maps and nature scavenger hunt ideas
- REPAIR PAVING AT SHELTER**
-Install group grills and serving tables
- CREATE READING TRAIL WITH STAFF AT ENDEAVOR ELEMENTARY**
- PAUL HENRY TRAIL IDENTIFICATION**

East Paris Nature Park - MASTER PLAN
PARKS MASTER PLANS
 CITY OF KENTWOOD, MICHIGAN



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EAST PARIS NATURE PARK MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$4,000.00	\$4,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$4,000.00	\$4,000.00
General Conditions (M, O & P@5%)	LS	1	\$39,583.00	\$39,583.00
Subtotal				\$53,583.00

Description	Unit	No. of Units	Price	Extension
Site Preparation and Removals				
Soil Erosion, Sedimentation Control, Site Preparation, Grading and Removals	SY	40,112	\$0.50	\$20,056.00
Subtotal				\$20,056.00

Description	Unit	No. of Units	Price	Extension
Site Construction				
Chips and Fines Paths	SY	3,374	\$18.00	\$60,732.00
Concrete Sidewalk - 4" Depth	SF	2,844	\$5.00	\$14,220.00
Decorative Paving (Exposed Aggregate or Colored Concrete)	SF	1,120	\$8.00	\$8,960.00
Concrete Pavers	SF	706	\$25.00	\$17,650.00
Boardwalk	SF	4,487	\$65.00	\$291,655.00
Deck Renovation	SF	4,389	\$45.00	\$197,505.00
Shelter Renovation	LS	1	\$3,000.00	\$3,000.00
Drinking Fountain	LS	1	\$8,000.00	\$8,000.00
Subtotal				\$601,722.00

Description	Unit	No. of Units	Price	Extension
Signage				
Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Secondary Entry	EA	1	\$1,000.00	\$1,000.00
Map Kiosk	LS	2	\$13,000.00	\$26,000.00
Subtotal				\$57,000.00

Description	Unit	No. of Units	Price	Extension
Site Amenities				
Benches	EA	10	\$2,500.00	\$25,000.00
Litter Receptacles	EA	4	\$1,500.00	\$6,000.00
Picnic Tables	EA	8	\$2,000.00	\$16,000.00
Grills	EA	2	\$1,000.00	\$2,000.00
Serving Tables	EA	1	\$1,500.00	\$1,500.00
Bike Racks	EA	3	\$500.00	\$1,500.00
Subtotal				\$52,000.00

Description	Unit	No. of Units	Price	Extension
Lighting and Electrical				
Shelter Light	LS	1	\$1,000.00	\$1,000.00
Electrical Distribution	LS	1	\$2,000.00	\$2,000.00
SUBTOTAL				\$3,000.00

Description	Unit	No. of Units	Price	Extension
Landscape Improvements				
Deciduous Trees	EA	10	\$500.00	\$5,000.00
Ornamental Trees	EA	10	\$400.00	\$4,000.00
Restoration Seeding	SY	8,720	\$4.00	\$34,880.00
Subtotal				\$43,880.00
SUBTOTAL				\$831,241.00
Design and Construction Contingences @ 10%				\$83,124.10
Professional Fees and Expenses @9%				\$82,292.86
EAST PARIS NATURE PARK IMPROVEMENTS				\$996,657.96

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Home Acres Park - MASTER PLAN
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
PROJECT NO.
2032



HOME ACRES MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$8,000.00	\$8,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$6,000.00	\$6,000.00
General Conditions (M, O & P@5%)	LS	1	\$83,958.00	\$83,958.00
Subtotal				\$103,958.00

Site Preparation and Removals

Soil Erosion, Sedimentation Control, Site Preparation, Grading and Removals	SY	15033	\$2.50	\$37,582.50
Site Drainage	LS	1	\$5,000.00	\$5,000.00
Subtotal				\$42,582.50

Restroom Building and Utilities

Restroom Building (with Wall Mounted Drinking Fountain)	SF	475	\$225.00	\$106,875.00
Utility Connections	LS	1	\$1,000.00	\$1,000.00
Subtotal				\$107,875.00

Site Construction

Bituminous Sealcoat and Striping	SY	1,397	\$1.50	\$2,095.50
Flush Curb	LF	373	\$22.00	\$8,206.00
Concrete Sidewalk - 4" Depth	SF	24,880	\$5.00	\$124,400.00
Decorative Paving (Exposed Aggregate or Colored Concrete)	SF	481	\$8.00	\$3,848.00
Concrete Pavers	SF	497	\$25.00	\$12,425.00
Barrier Free Sign	EA	2	\$500.00	\$1,000.00
Freestanding Wall	LF	128	\$200.00	\$25,600.00
Bituminous Sealcoat and Striping	SY	1,397	\$1.50	\$2,095.50
4' Fencing	LF	1,422	\$25.00	\$35,550.00
Maintenance Gate	EA	2	\$500.00	\$1,000.00
Subtotal				\$216,220.00

Description	Unit	No. of Units	Price	Extension
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Playground

Resilient Surfacing	SF	8,148	\$15.00	\$122,220.00
Engineered Wood Fiber Surfacing	SY	73	\$12.00	\$876.00
Infininet Component Structure (1725)	LS	1	\$89,037.00	\$89,037.00
Challengers Component Structure (350-1732)	LS	1	\$30,705.00	\$30,705.00
Cruise Line	EA	1	\$7,943.00	\$7,943.00
Whirl Around	EA	1	\$3,135.00	\$3,135.00
Play Cubes (8.0SL)	EA	1	\$38,468.00	\$38,468.00
2 Bay Swings (2 Belts and 2 Universal)	EA	1	\$4,298.00	\$4,298.00
Spring Ride	EA	2	\$3,000.00	\$6,000.00
Turned Down Edge	LF	280	\$22.00	\$6,160.00
Subtotal				\$308,842.00

Skate Park

Custom Skate Park	SF	16,057	\$45.00	\$722,565.00
5 Row Bleachers	EA	2	\$5,000.00	\$10,000.00
Subtotal				\$732,565.00

Shade Shelters

30' Fabric Shelter	LS	1	\$21,045.00	\$21,045.00
10' Square Shelter	LS	1	\$12,000.00	\$12,000.00
Subtotal				\$33,045.00

Signage

Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Digital Entrance Sign	LS	1	\$45,000.00	\$45,000.00
Subtotal				\$30,000.00

Site Amenities

Concrete Benches	LS	1	\$15,095.00	\$15,095.00
Benches	EA	5	\$2,500.00	\$12,500.00
Litter Receptacles	EA	4	\$1,500.00	\$6,000.00
Picnic Tables	EA	19	\$2,000.00	\$38,000.00
Grills	EA	2	\$1,000.00	\$2,000.00
Serving Tables	EA	1	\$1,500.00	\$1,500.00
Bike Racks	EA	4	\$500.00	\$2,000.00
Subtotal				\$77,095.00

Lighting and Electrical

Site Lights	EA	11	\$4,000.00	\$44,000.00
Shelter Lights	LS	2	\$1,000.00	\$2,000.00
Electrical Distribution	LF	1,093	\$12.00	\$13,116.00
SUBTOTAL				\$59,116.00



Description	Unit	No. of Units	Price	Extension
Landscape Improvements				
Deciduous Trees	EA	35	\$500.00	\$17,500.00
Ornamental Trees	EA	4	\$400.00	\$1,600.00
Evergreen Trees	EA	20	\$400.00	\$8,000.00
Lawn Seeding Seeding	SY	9,893	\$2.50	\$24,732.50
Subtotal				\$51,832.50

SUBTOTAL	\$1,763,131.00
Design and Construction Contingences @ 10%	\$176,313.10
Professional Fees and Expenses @9%	\$174,549.97
HOME ACRES PARK IMPROVEMENTS	\$2,113,994.07

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**Home Acres Park - COST ESTIMATE
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN**

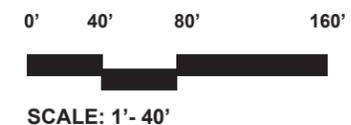


DATE
2.16.2019
PROJECT NO.
2032





Jaycee Park - MASTER PLAN
PARKS MASTER PLANS
 CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
PROJECT NO.
2032



JAYCEE PARK MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$8,000.00	\$8,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$6,000.00	\$6,000.00
General Conditions (M, O & P@5%)	LS	1	\$47,455.00	\$47,455.00
Subtotal				\$67,455.00

Site Preparation and Removals				
Soil Erosion, Sedimentation Control, Site	SY	16,877	\$1.25	\$21,096.25
Remove Existing Restroom Building and Associated	LS	1	\$10,000.00	\$10,000.00
Subtotal				\$31,096.25

Restroom Building and Utilities				
Restroom Building (with Wall Mounted Drinking	SF	1,128	\$225.00	\$253,800.00
Utility Connections	LS	1	\$1,000.00	\$1,000.00
Subtotal				\$254,800.00

Site Construction				
Bituminous Paving	SY	1,998	\$25.00	\$49,950.00
Bituminous Path Connection	SY	155	\$22.00	\$3,410.00
Retaining Wall	LF	169	\$120.00	\$20,280.00
Concrete Curb and Gutter	LF	644	\$22.00	\$14,168.00
Concrete Sidewalk - 4" Depth	SF	8,931	\$4.50	\$40,189.50
Concrete Sidewalk - 6" Depth	SF	596	\$6.00	\$3,576.00
Concrete Pavers	SF	668	\$25.00	\$16,700.00
Tee Boxes	EA	18	\$500.00	\$9,000.00
Barrier Free Sign	EA	4	\$500.00	\$2,000.00
Parking Blocks	EA	52	\$125.00	\$6,500.00
Bridge/ Culvert (10' Wide for Maintenance Access)	LF	53	\$3,000.00	\$159,000.00
Subtotal				\$324,773.50

Basketball Court				
Acrylic Court Surfacing	SY	768	\$5.00	\$3,840.00
Goals (Precast Concrete)	EA	2	\$3,000.00	\$6,000.00
8' Fencing	LF	842	\$30.00	\$25,260.00
5 Row Bleacher	EA	1	\$5,000.00	\$5,000.00
SUBTOTAL				\$40,100.00

Description	Unit	No. of Units	Price	Extension
Playground				
Resilient Surfacing	SF	1,921	\$15.00	\$28,815.00
Engineered Wood Fiber Surfacing	SY	605	\$12.00	\$7,260.00
Branch Out - Thicket	LS	1	\$38,540.00	\$38,540.00
Turned Down Edge/ Flush Curb	LF	569	\$22.00	\$12,518.00
Subtotal				\$87,133.00

Signage				
Entry Feature (Planter, Plantings and Light)	EA	3	\$15,000.00	\$45,000.00
Secondary Entrance Signs	EA	1	\$1,000.00	\$1,000.00
Subtotal				\$46,000.00

Site Amenities				
Benches	EA	12	\$2,500.00	\$30,000.00
Litter Receptacles	EA	8	\$1,500.00	\$12,000.00
Picnic Tables	EA	5	\$2,000.00	\$10,000.00
Bike Racks	EA	3	\$500.00	\$1,500.00
Subtotal				\$53,500.00

Lighting and Electrical				
Site Lights	EA	12	\$4,000.00	\$48,000.00
Electrical Distribution	LF	909	\$12.00	\$10,908.00
SUBTOTAL				\$58,908.00

Landscape Improvements				
Revegetate/Stabilize Creek Bank/ Clear Debris from	LS	1	\$16,000.00	\$16,000.00
Lawn Seeding Seeding	SY	6,720	\$2.50	\$16,800.00
Subtotal				\$32,800.00

SUBTOTAL				\$996,565.75
Design and Construction Contingences @ 10%				\$99,656.58
Professional Fees and Expenses @9%				\$98,660.01
JAYCEE PARK IMPROVEMENTS				\$1,194,882.33

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Kelloggwoods Park - MASTER PLAN
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
PROJECT NO.
2032



KELLOGG WOODS MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$10,000.00	\$10,000.00
Insurance, Permits, and Bonds	LS	1	\$8,000.00	\$8,000.00
Layout and Staking	LS	1	\$6,000.00	\$6,000.00
General Conditions (M, O & P@5%)	LS	1	\$61,738.00	\$61,738.00
Subtotal				\$85,738.00

Description	Unit	No. of Units	Price	Extension
Site Preparation and Removals				
Soil Erosion, Sedimentation Control, Site Preparation, Grading and Removals	SY	56,034	\$1.25	\$70,042.50
Site Drainage	LS	1	\$20,000.00	\$20,000.00
Subtotal				\$90,042.50

Description	Unit	No. of Units	Price	Extension
Site Construction				
Bituminous Parking Spaces	SY	236	\$25.00	\$5,900.00
Bituminous Paths	SY	638	\$22.00	\$14,036.00
Turned Down Edge	LF	602	\$22.00	\$13,244.00
Concrete Sidewalk - 4" Depth	SF	22,286	\$5.00	\$111,430.00
Concrete Pavers	SF	245	\$25.00	\$6,125.00
Barrier Free Signs	EA	4	\$500.00	\$2,000.00
Subtotal				\$152,735.00

Description	Unit	No. of Units	Price	Extension
Playground				
Engineered Wood Fiber Surfacing	SY	1,229	\$12.00	\$14,748.00
Custom Themed Playground Equipment	LS	1	\$25,000.00	\$25,000.00
Flush Curb	LF	110	\$22.00	\$2,420.00
ADA Ramp	EA	3	\$500.00	\$1,500.00
Subtotal				\$43,668.00

Description	Unit	No. of Units	Price	Extension
Restroom Building and Utilities				
Restroom Building (with Wall Mounted Drinking Fountain)	SF	1,095	\$225.00	\$246,375.00
New Sanitary Line	LF	380	\$30.00	\$11,400.00
Site Utilities	LS	1	\$25,000.00	\$25,000.00
Subtotal				\$282,775.00

Description	Unit	No. of Units	Price	Extension
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Sports Fields

300' Softball/ Baseball Field

Field Fine Grading	SY	9,590	\$0.50	\$4,795.00
Infield Surfacing - with Turface	SY	1,899	\$23.00	\$43,677.00
Warning Track Surfacing-with Turface	SY	1,912	\$18.00	\$34,416.00
24' Hooded Backstop	EA	1	\$12,000.00	\$12,000.00
Infield 8' Vinyl Coated Fencing	LF	526	\$32.00	\$16,832.00
8' Vinyl Coated Fencing	LF	1,042	\$32.00	\$33,344.00
Outfield 6' Vinyl Coated Fencing	LF	516	\$25.00	\$12,900.00
Service Gates	EA	2	\$1,400.00	\$2,800.00
Safety Fence Cap	LF	1,042	\$5.00	\$5,210.00
Pass Gates	EA	2	\$750.00	\$1,500.00
Players Benches	EA	2	\$2,000.00	\$4,000.00
Concrete Pads	SF	640	\$4.50	\$2,880.00
Foul Pole	EA	2	\$250.00	\$500.00
Field Irrigation	EA	1	\$15,000.00	\$15,000.00
Seeding/Topsoil	SY	3,499	\$3.00	\$10,497.00
Subtotal				\$200,351.00

Renovate Existing Ballfield

Infield Surfacing - with Turface	SY	1,899	\$23.00	\$43,677.00
Warning Track Surfacing-with Turface	SY	1,738	\$18.00	\$31,284.00
Players Benches	EA	2	\$2,000.00	\$4,000.00
Concrete Pads	SF	640	\$4.50	\$2,880.00
Subtotal				\$81,841.00

Full Size Soccer Field

Field Fine Grading	LS	1	\$6,000.00	\$6,000.00
Goals and Corner Monuments	FIELD	1	\$2,800.00	\$2,800.00
Field Irrigation	LS	1	\$25,000.00	\$25,000.00
Seeding and Screened Topsoil	SY	6,648	\$3.00	\$19,944.00
3 Row x 15' Bleacher	EA	2	\$1,000.00	\$2,000.00
Subtotal				\$55,744.00

Dog Park

Concrete Sidewalk - 4" Depth	SF	3,466	\$5.00	\$17,330.00
Agility Toys	EA	5	\$2,500.00	\$12,500.00
Benches	EA	2	\$2,500.00	\$5,000.00
Picnic Tables	EA	1	\$3,000.00	\$3,000.00
Drinking Fountain (Including 3/4" Waterline and	LS	1	\$8,000.00	\$8,000.00
Waste Receptacles	EA	2	\$800.00	\$3,200.00
Bag Dispensers	EA	1	\$500.00	\$2,000.00
Subtotal				\$51,030.00



Description	Unit	No. of Units	Price	Extension
Signage				
Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Subtotal				\$30,000.00

Site Amenities				
Benches	EA	4	\$2,500.00	\$10,000.00
Litter Receptacles	EA	8	\$1,500.00	\$12,000.00
Tree Grates	EA	4	\$1,500.00	\$6,000.00
Bike Racks	EA	4	\$500.00	\$2,000.00
Subtotal				\$30,000.00

Lighting and Electrical				
Parking and Road Lighting	EA	7	\$4,000.00	\$28,000.00
LED Soccer Field Lighting	LS	1	\$100,000.00	\$100,000.00
Relocate Transformer	LS	1	\$15,000.00	\$15,000.00
Shelter Light	EA	2	\$1,000.00	\$2,000.00
Electrical Distribution	LF	881	\$12.00	\$10,572.00
Subtotal				\$155,572.00

Landscape Improvements				
Deciduous Trees	EA	6	\$500.00	\$3,000.00
Ornamental Trees	EA	51	\$400.00	\$20,400.00
Restoration Seeding and 4" of Top Soil	SY	10,882	\$1.25	\$13,602.50
Subtotal				\$37,002.50

SUBTOTAL	\$1,296,499.00
Design and Construction Contingences @ 10%	\$129,649.90
Professional Fees and Expenses @9%	\$128,353.40
KELLOGG WOODS IMPROVEMENTS	\$1,554,502.30

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Kelloggwoods Park - COST ESTIMATE PARKS MASTER PLANS CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
PROJECT NO.
2032



PARK SIGN AND ENTRY FEATURE

RECONFIGURED PATHWAY FOR BARRIER FREE ACCESSIBILITY

30' SHADE SHELTER FOR ENVIRONMENTAL EDUCATION, - outdoor fire place, and group grills

PLAY AREA

FITNESS CHALLENGE COURSE

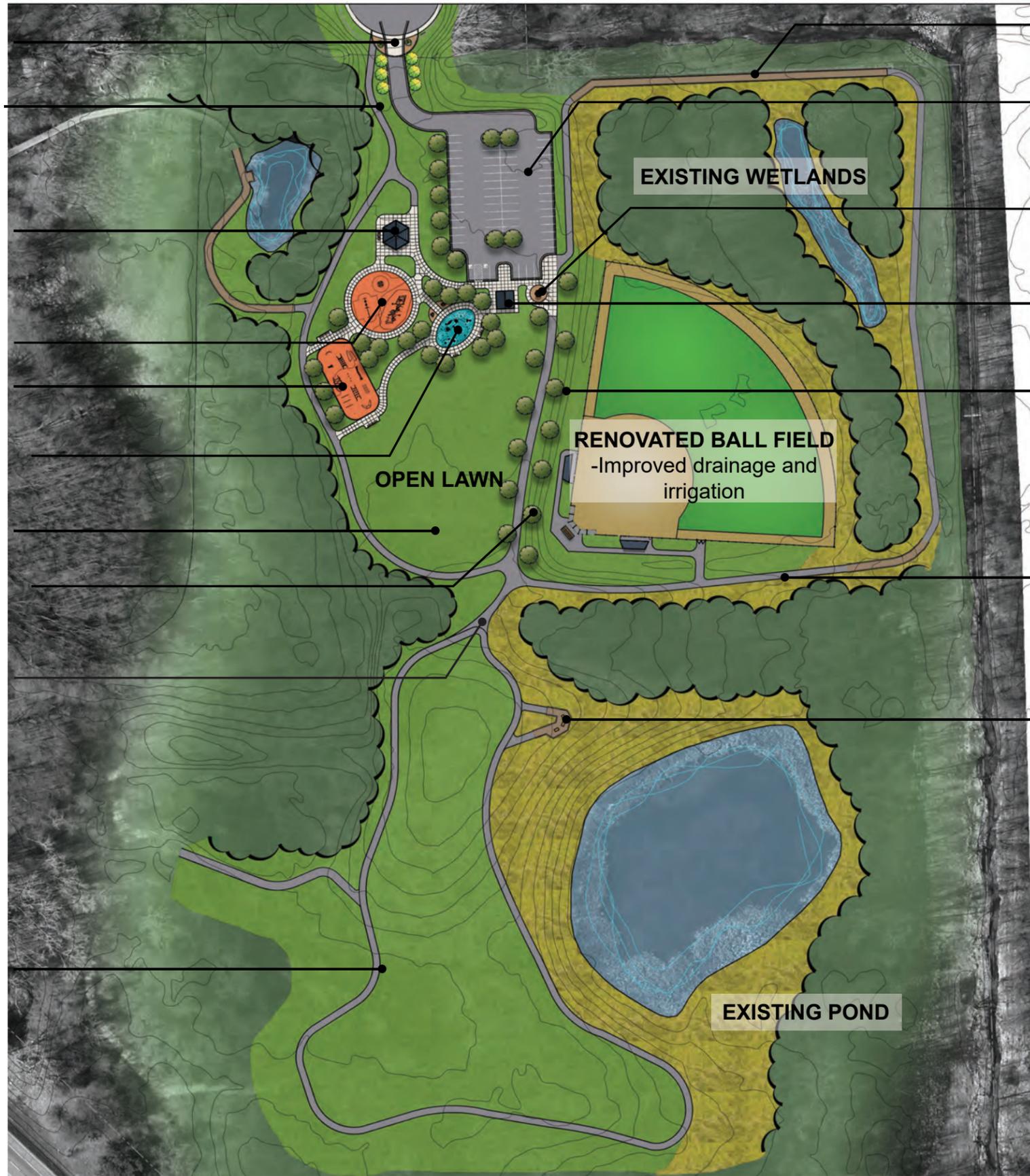
SPLASH PAD

IMPROVE LAWN AREA

TREE PLANTING ALONG EXISTING PATHWAY

RECONFIGURED PATHWAY FOR BARRIER FREE ACCESSIBILITY

EXISTING BITUMINOUS TRAIL



EXISTING BOARDWALK

EXPAND EXISTING PARKING LOT
-49 SPACES WITH LED LIGHTING

TRAIL MAP KIOSK

RESTROOM BUILDING
-PROTOTYPE A WITH DRINKING FOUNTAINS

IMPROVE DRAINAGE SWALES WITH INLETS

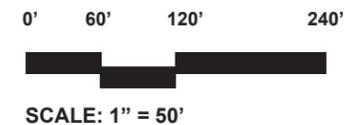
ACCESSIBLE PATHWAY TO DUGOUTS AND BLEACHER SEATING

RENOVATED LOOK DECK, WITH INTERPRETATIVE SIGNAGE

Northeast Park - MASTER PLAN

PARKS MASTER PLANS

CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
PROJECT NO.
2032



NORTHEAST PARK MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$8,000.00	\$8,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$4,000.00	\$4,000.00
General Conditions (M, O & P@5%)	LS	1	\$58,237.00	\$58,237.00
Subtotal				\$76,237.00

Site Preparation and Removals				
Soil Erosion, Sedimentation Control, Site Preparation, Grading and Removals	SY	27,358	\$2.50	\$68,395.00
Site Drainage	LS	1	\$8,000.00	\$8,000.00
Subtotal				\$76,395.00

Restroom Building and Utilities				
Restroom Building (with Wall Mounted Drinking Fountain)	SF	428	\$225.00	\$96,300.00
Utility Connections	LS	1	\$2,500.00	\$2,500.00
Subtotal				\$98,800.00

Site Construction				
Bituminous Parking	SY	726	\$25.00	\$18,150.00
Bituminous Trail Replace/ Add	SY	933	\$22.00	\$20,526.00
Concrete Pavers	SF	490	\$25.00	\$12,250.00
Concrete Sidewalk - 4" Depth	SF	11,846	\$4.50	\$53,307.00
Concrete Sidewalk - 6" Depth	SF	443	\$7.00	\$3,101.00
Renovated Overlook Deck with Box Benches	SF	54	\$65.00	\$3,510.00
Subtotal				\$110,844.00

Splash Pad				
Reinforced Colored Concrete Paving	SF	1,816	\$18.00	\$32,688.00
Splash Components/ Drain Control System	LS	1	\$140,000.00	\$140,000.00
Subtotal				\$172,688.00

Description	Unit	No. of Units	Price	Extension
Site Construction				
Bituminous Parking	SY	726	\$25.00	\$18,150.00
Bituminous Trail Replace/ Add	SY	933	\$22.00	\$20,526.00
Concrete Pavers	SF	490	\$25.00	\$12,250.00
Concrete Sidewalk - 4" Depth	SF	11,846	\$4.50	\$53,307.00
Concrete Sidewalk - 6" Depth	SF	443	\$7.00	\$3,101.00
Renovated Overlook Deck with Box Benches	SF	54	\$65.00	\$3,510.00
Subtotal				\$110,844.00

Splash Pad				
Reinforced Colored Concrete Paving	SF	1,816	\$18.00	\$32,688.00
Splash Components/ Drain Control System	LS	1	\$140,000.00	\$140,000.00
Subtotal				\$172,688.00

Playground				
Resilient Surfacing	SF	8,013	\$15.00	\$120,195.00
2 Bay Swings (2 Belts and 2 Universal)	EA	1	\$4,298.00	\$4,298.00
Unity SpinR	EA	1	\$9,915.00	\$9,915.00
Unity Connect	LS	1	\$53,642.00	\$53,642.00
Fitness Challenge - Pro 5000	LS	1	\$116,000.00	\$116,000.00
Turned Down Edge/ Flush Curb	LF	476	\$22.00	\$10,472.00
Subtotal				\$314,522.00

Signage				
Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Map Kiosk	LS	1	\$13,000.00	\$13,000.00
Subtotal				\$43,000.00

Shade Shelters				
26' Hex	LS	1	\$45,000.00	\$45,000.00
Outdoor Fireplace	LS	1	\$12,000.00	\$12,000.00
Subtotal				\$57,000.00

Ballfield Renovation				
Field Fine Grading	SY	8,616	\$0.50	\$4,308.00
Infield and Warning Track Surfacing- Stonedust	SY	3,165	\$12.00	\$37,980.00
Clay Brick	LS	1	\$3,000.00	\$3,000.00
3 Row x 15' Bleacher	EA	1	\$5,000.00	\$5,000.00
Concrete Pad and Walk	SF	3,923	\$5.00	\$19,615.00
Field Irrigation	EA	1	\$15,000.00	\$15,000.00
Seeding/Topsoil	SY	5,451	\$3.00	\$16,353.00
Field Underdrain System	LS	1	\$67,500.00	\$67,500.00
Drainage Structures and Connections	LS	1	\$10,000.00	\$10,000.00
Subtotal				\$178,756.00



Description	Unit	No. of Units	Price	Extension
Site Amenities				
Benches	EA	8	\$2,500.00	\$20,000.00
Litter Receptacles	EA	4	\$1,500.00	\$6,000.00
Picnic Tables	EA	8	\$2,000.00	\$16,000.00
Bike Racks	EA	8	\$500.00	\$4,000.00
Bike Repair Center	LS	1	\$1,000.00	\$1,000.00
Subtotal				\$47,000.00

Lighting and Electrical				
Shelter Light	EA	1	\$1,000.00	\$1,000.00
Electrical Distribution	LF	382	\$12.00	\$4,584.00
SUBTOTAL				\$5,584.00

Landscape Improvements				
Deciduous Trees	EA	47	\$500.00	\$23,500.00
Restoration Seeding	SY	997	\$2.25	\$2,243.25
Improve Open Lawn Area	SY	5,470	\$3.00	\$16,410.00
Subtotal				\$42,153.25

SUBTOTAL	\$1,222,979.25
Design and Construction Contingences @ 10%	\$122,297.93
Professional Fees and Expenses @9%	\$121,074.95
NORTHEAST PARK IMPROVEMENTS	\$1,466,352.12

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Northeast Park - COST ESTIMATE PARKS MASTER PLANS CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
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2032





OLD FARM PARK - MASTER PLAN PLAN
PARKS MASTER PLANS
 CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
PROJECT NO.
2032



OLD FARM PARK MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$15,000.00	\$15,000.00
Insurance, Permits, and Bonds	LS	1	\$12,000.00	\$12,000.00
Layout and Staking	LS	1	\$8,000.00	\$8,000.00
General Conditions (M, O & P@5%)	LS	1	\$56,054.00	\$56,054.00
SUBTOTAL				\$91,054.00

Site Preparation and Removals

Site Preparation & Grading, and Soil Erosion, Sedimentation Control	SY	16,629	\$2.50	\$41,572.50
Remove Existing Shelter Complete	LS	1	\$2,000.00	\$2,000.00
Remove Existing Playground Equipment	LS	1	\$5,000.00	\$5,000.00
Remove Paving Complete	SY	977	\$3.00	\$2,931.00
SUBTOTAL				\$51,503.50

Gateway Entry

Entry Feature at Main Vehicular Entry	LS	1	\$15,000.00	\$15,000.00
Entry Feature at Pedestrian Entrance	LS	1	\$5,000.00	\$5,000.00
Entrance Sign	EA	1	\$10,000.00	\$10,000.00
Sign Kiosk for Disc Golf	EA	1	\$5,000.00	\$5,000.00
SUBTOTAL				\$35,000.00

Parking Area Expansion

Concrete Curb and Gutter	LF	444	\$25.00	\$11,100.00
Wheel Stops	EA	53	\$150.00	\$7,950.00
Bituminous Paving and Striping	SY	2,012	\$25.00	\$50,300.00
Top Coat Existing Bituminous	SY	1,257	\$10.00	\$12,570.00
Regulatory Signs	EA	6	\$250.00	\$1,500.00
Security Lighting	EA	6	\$4,000.00	\$24,000.00
Electrical Distribution	LF	722	\$22.00	\$15,884.00
Replace Decking and Handrails on Bridge and	SF	486	\$50.00	\$24,300.00
Timber Steps	EA	15	\$900.00	\$13,500.00
Boardwalk Bridge with Timber Curb	SF	359	\$60.00	\$21,540.00
Timber Abutment at Bridge	LF	28	\$150.00	\$4,200.00
Existing Basketball Acrylic Surfacing	SY	4,973	\$7.00	\$34,811.00
SUBTOTAL				\$74,051.00

Description	Unit	No. of Units	Price	Extension
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Paved Pathways

4" Concrete Sidewalk	SF	11,066	\$6.00	\$66,396.00
Replace Existing Bituminous Path	SY	932	\$25.00	\$23,300.00
Crushed Stone Path	SY	64	\$18.00	\$1,152.00
SUBTOTAL				\$90,848.00

Site Amenities

Picnic Tables	EA	8	\$2,000.00	\$16,000.00
Benches	EA	5	\$2,500.00	\$12,500.00
Litter Receptacles	EA	6	\$1,200.00	\$7,200.00
Recycle Receptacles	EA	1	\$1,200.00	\$1,200.00
Bike Racks	EA	5	\$500.00	\$2,500.00
Bleachers at Basketball	EA	1	\$1,500.00	\$1,500.00
Removable Bollards	EA	3	\$1,000.00	\$3,000.00
SUBTOTAL				\$8,200.00

Shelters

Large Group Shelter	LS	1	\$52,750.00	\$52,750.00
Small Shelter at Playground	LS	1	\$10,000.00	\$10,000.00
Cantilever Shade at Pickleball	LS	1	\$25,000.00	\$25,000.00
SUBTOTAL				\$87,750.00

Playground

6" Concrete Curb	LF	184	\$18.00	\$3,312.00
Turned Down Edge	LF	105	\$22.00	\$2,310.00
Resilient Surfacing	SF	5,585	\$15.00	\$83,775.00
Everglades Component Structure	LS	1	\$90,203.00	\$90,203.00
Dragonfly See Saw	EA	1	\$7,023.00	\$7,023.00
Platform Whirl	EA	1	\$6,847.00	\$6,847.00
Shador Play Sky Runner	EA	1	\$8,055.00	\$8,055.00
3 Bay Swings (2 Belts, 2 Tots, 2 ADA)	EA	1	\$8,670.00	\$8,670.00
SUBTOTAL				\$30,595.00

Splash Pad

Reinforced Colored Concrete Paving	SF	1,964	\$18.00	\$35,352.00
Splash Components	EA	16	\$5,000.00	\$80,000.00
Smart Drain	EA	3	\$15,000.00	\$45,000.00
Water Service Line	LF	104	\$30.00	\$3,120.00
Drain Line	LF	124	\$30.00	\$3,720.00
Flow Through Mechanical/ Control System	LS	1	\$40,000.00	\$40,000.00
Electrical Connections	LS	1	\$2,000.00	\$2,000.00
SUBTOTAL				\$48,840.00



Description	Unit	No. of Units	Price	Extension
Disc Golf Realignemnt				
Hole Basket	EA	18	\$1,000.00	\$18,000.00
Tee Pad	EA	18	\$500.00	\$9,000.00
SUBTOTAL				\$27,000.00

Landscape Improvements				
Deciduous Trees	EA	60	\$500.00	\$30,000.00
Evergreen Trees	EA	4	\$350.00	\$1,400.00
Restoration Seeding	SY	5,932	\$3.00	\$17,796.00
Native Vegetation	SY	2,385	\$5.00	\$11,925.00
Sod	SY	710	\$7.00	\$4,970.00
SUBTOTAL				\$36,091.00

SUBTOTAL	\$580,932.50
Topographic Survey and Soil Borings	\$12,000.00
Design and Construction Contingences @ 10%	\$58,093.25
Professional Fees and Expenses	\$52,082.06
OLD FARM PARK TOTAL	\$703,107.81

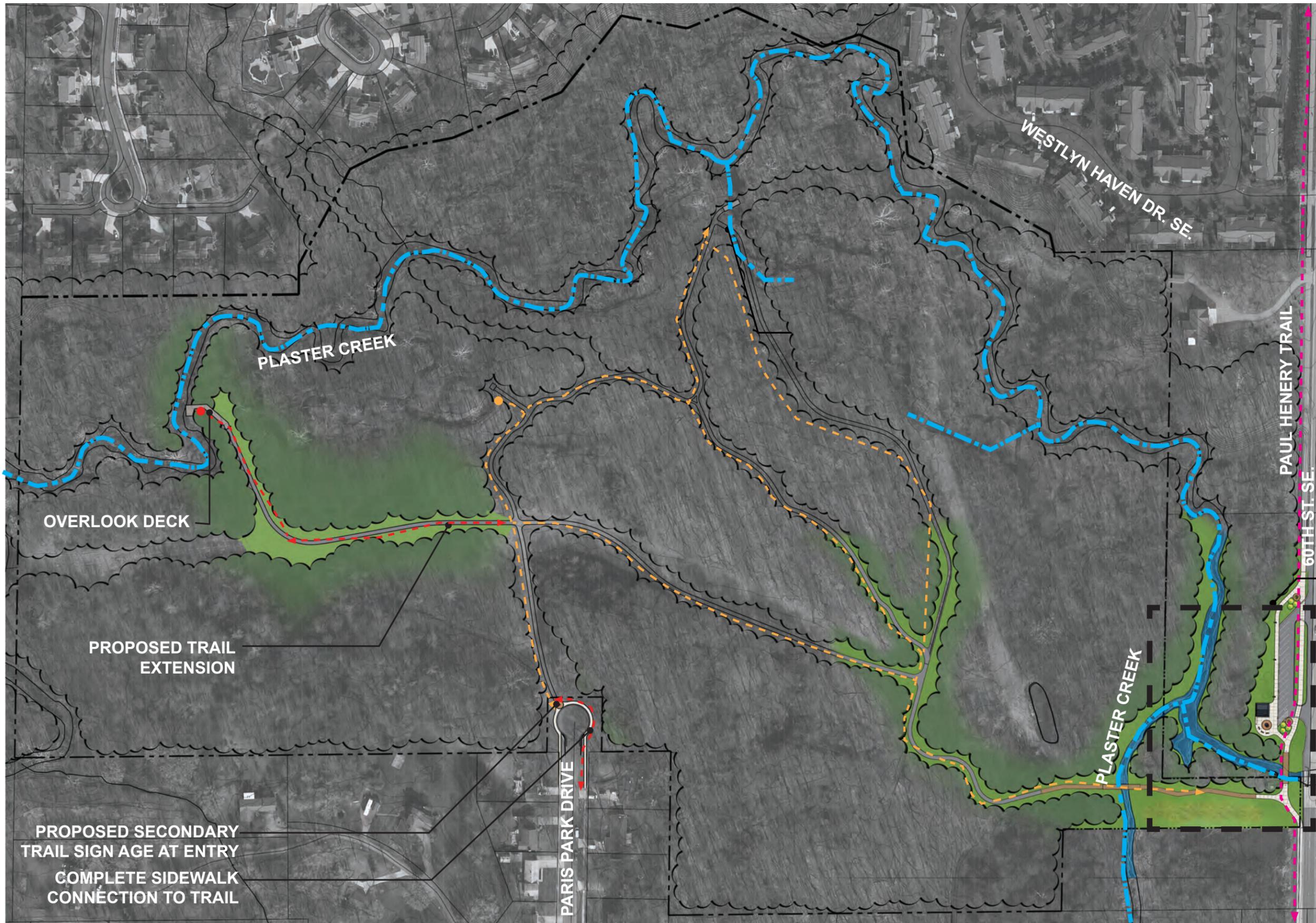
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**OLD FARM PARK -COST ESTIMATE
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN**



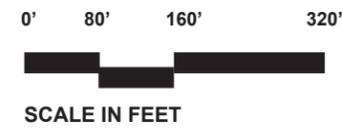
DATE
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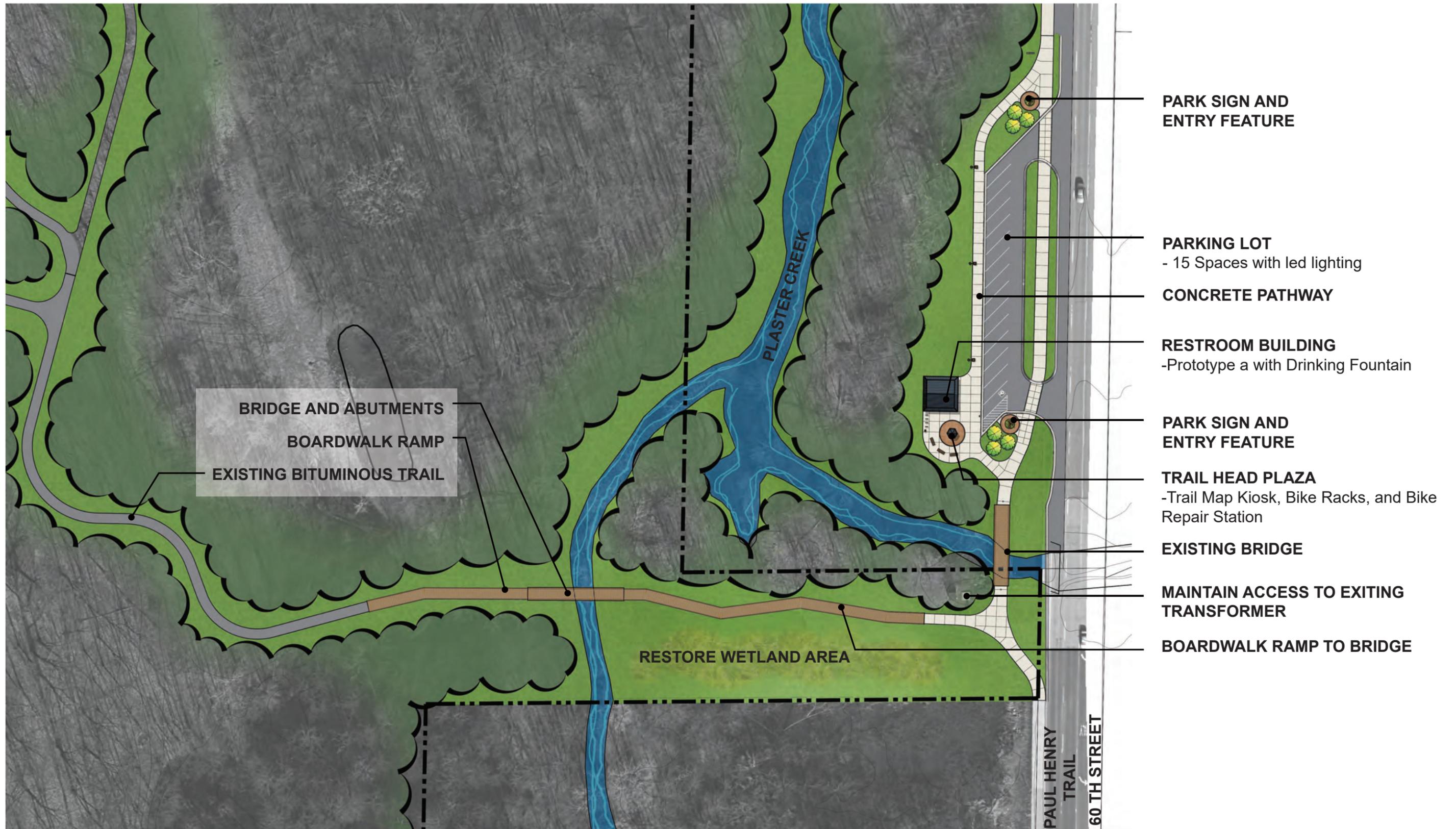
PROPOSED
PARKING LOT
AND RESTROOM
BUILDING AREA,
SEE ENLARGEMENT

Paris Park - OVERALL MASTER PLAN
PARKS MASTER PLANS
 CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2018
PROJECT NO.
2032





BRIDGE AND ABUTMENTS
 BOARDWALK RAMP
 EXISTING BITUMINOUS TRAIL

- PARK SIGN AND ENTRY FEATURE
- PARKING LOT
- 15 Spaces with led lighting
- CONCRETE PATHWAY
- RESTROOM BUILDING
-Prototype a with Drinking Fountain
- PARK SIGN AND ENTRY FEATURE
- TRAIL HEAD PLAZA
-Trail Map Kiosk, Bike Racks, and Bike Repair Station
- EXISTING BRIDGE
- MAINTAIN ACCESS TO EXITING TRANSFORMER
- BOARDWALK RAMP TO BRIDGE

Paris Park - MASTER PLAN ENLARGEMENT
PARKS MASTER PLANS
 CITY OF KENTWOOD, MICHIGAN



0' 30' 60' 120'
 SCALE IN FEET 1"=30'

DATE
2.16.2018
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PARIS PARK MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$8,000.00	\$8,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$4,000.00	\$4,000.00
General Conditions (M, O & P@5%)	LS	1	\$36,074.00	\$36,074.00
Subtotal				\$54,074.00

Description	Unit	No. of Units	Price	Extension
Site Preparation and Removals				
Soil Erosion, Sedimentation Control, Site Preparation, Grading and Removals	SY	13864	\$3.00	\$41,592.00
Remove Bituminous Paving	SF	7,728	\$1.50	\$11,592.00
Site Drainage	LS	1	\$5,000.00	\$5,000.00
Subtotal				\$58,184.00

Description	Unit	No. of Units	Price	Extension
Restroom Building and Utilities				
Restroom Building (with Wall Mounted Drinking Fountain)	SF	729	\$225.00	\$164,025.00
Water Line	LF	80	\$60.00	\$4,800.00
Sanitary Line	LF	80	\$30.00	\$2,400.00
Subtotal				\$171,225.00

Description	Unit	No. of Units	Price	Extension
Site Construction				
Remove and Replace Bituminous Paths	SY	4,552	\$26.00	\$118,352.00
Bituminous Parking	SY	792	\$25.00	\$19,800.00
Concrete Curb and Gutter	LF	988	\$22.00	\$21,736.00
Concrete Sidewalk - 4" Depth	SF	11,932	\$5.00	\$59,660.00
Concrete Pavers	SF	491	\$25.00	\$12,275.00
Bridge with Pipe Pile Abutments	LF	75	\$25.00	\$1,875.00
Boardwalk / Boardwalk Ramp	LF	517	\$65.00	\$33,605.00
Barrier Free Sign	EA	1	\$500.00	\$500.00
Boardwalk and Overlook Deck with Railing	SF	1,309	\$65.00	\$85,085.00
Trail Clearing	LF	854	\$15.00	\$12,810.00
Box Bench	LS	1	\$1,400.00	\$1,400.00
Subtotal				\$367,098.00

Description	Unit	No. of Units	Price	Extension
Signage				
Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Secondary Entry Feature	EA	1	\$1,000.00	\$1,000.00
Map Kiosk	LS	1	\$13,000.00	\$13,000.00
Subtotal				\$44,000.00

Description	Unit	No. of Units	Price	Extension
Site Amenities				
Benches	EA	3	\$2,500.00	\$7,500.00
Litter Receptacles	EA	4	\$1,500.00	\$6,000.00
Bike Racks	EA	6	\$500.00	\$3,000.00
Bike Repair Center	LS	1	\$1,000.00	\$1,000.00
Subtotal				\$17,500.00

Description	Unit	No. of Units	Price	Extension
Lighting and Electrical				
Site Parking and Drive Lights	EA	5	\$4,000.00	\$20,000.00
Map Kiosk Light	LS	1	\$1,000.00	\$1,000.00
Electrical Distribution	LF	334	\$12.00	\$4,008.00
SUBTOTAL				\$25,008.00

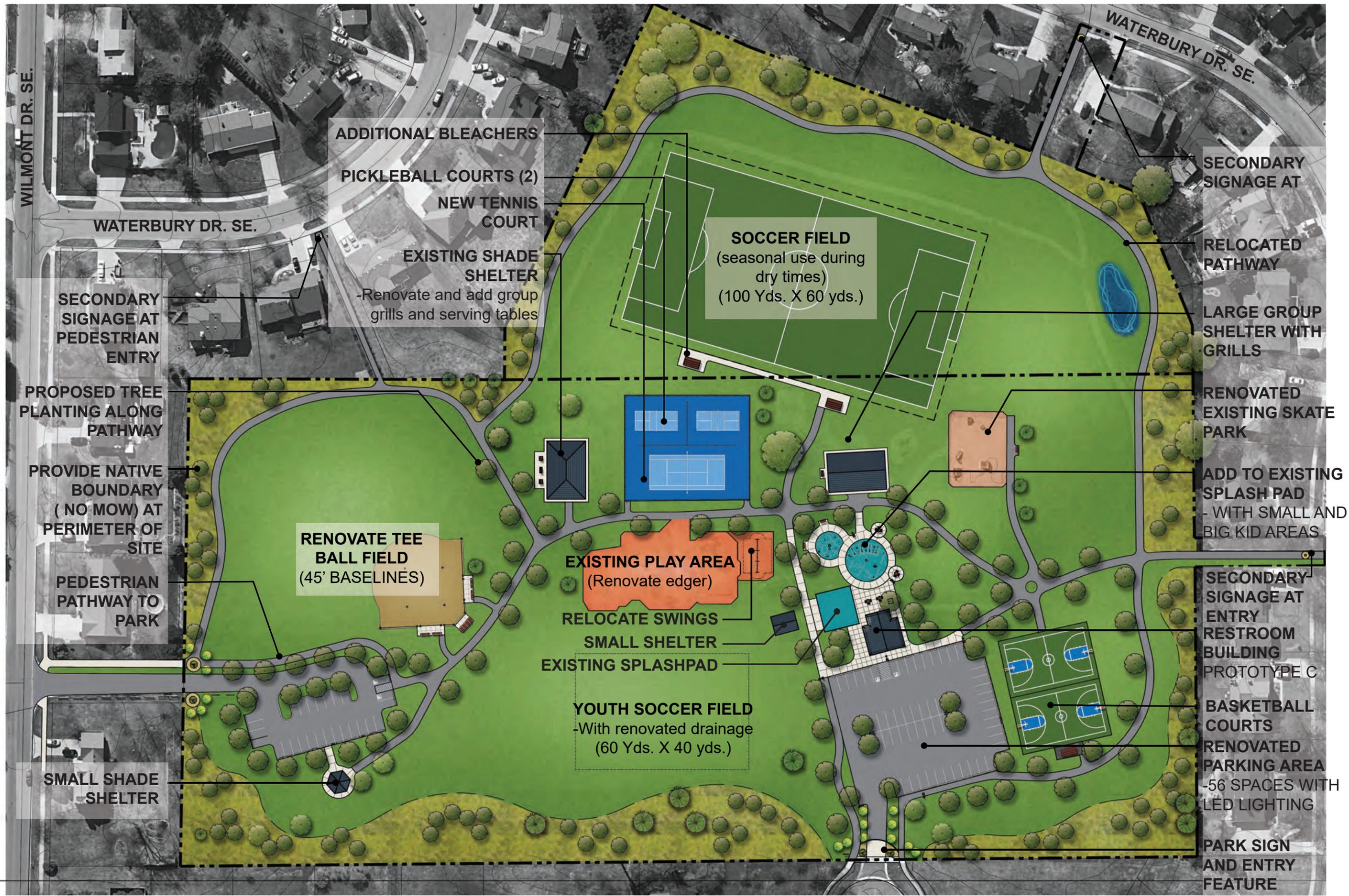
Description	Unit	No. of Units	Price	Extension
Landscape Improvements				
Deciduous Trees	EA	4	\$500.00	\$2,000.00
Ornamental Trees	EA	7	\$400.00	\$2,800.00
Restoration Seeding	SY	1,851	\$4.00	\$7,404.00
Wetland Seeding with Topsoil	SY	2,067	\$4.00	\$8,268.00
Subtotal				\$20,472.00

SUBTOTAL	\$757,561.00
Design and Construction Contingences @ 10%	\$75,756.10
Professional Fees and Expenses @9%	\$74,998.54
PARIS PARK IMPROVEMENTS	\$908,315.64

Note that DEQ Permit will be required for this project. Additional fees (permit, wetland delineation) will be determined at that time.

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Pinewood Park - MASTER PLAN
PARKS MASTER PLANS
 CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
PROJECT NO.
2032



PINEWOOD PARK MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$10,000.00	\$10,000.00
Insurance, Permits, and Bonds	LS	1	\$8,000.00	\$8,000.00
Layout and Staking	LS	1	\$8,000.00	\$8,000.00
General Conditions (M, O & P@5%)	LS	1	\$69,535.00	\$69,535.00
Subtotal				\$95,535.00

Site Preparation and Removals				
Soil Erosion, Sedimentation Control, Site Preparation, Grading and Removals	SY	19125	\$3.50	\$66,937.50
Site Drainage	LS	1	\$5,000.00	\$5,000.00
Subtotal				\$71,937.50

Restroom Building and Utilities				
Restroom Building (with Wall Mounted Drinking Fountain)	SF	1,095	\$225.00	\$246,375.00
Utility Connections	LS	1	\$1,000.00	\$1,000.00
Subtotal				\$247,375.00

Site Construction				
Bituminous Paving	SY	618	\$25.00	\$15,450.00
Bituminous Sealcoat and Striping	SY	3,966	\$1.50	\$5,949.00
Bituminous Paths	SY	2,638	\$22.00	\$58,036.00
Concrete Curb and Gutter	LF	404	\$22.00	\$8,888.00
Concrete Sidewalk - 4" Depth	SF	11,199	\$5.00	\$55,995.00
Concrete Sidewalk - 6" Depth	SF	360	\$6.00	\$2,160.00
Concrete Pavers	SF	270	\$25.00	\$6,750.00
Barrier Free Sign	EA	4	\$500.00	\$2,000.00
Parking Blocks	EA	38	\$125.00	\$4,750.00
Neighbor Fencing Renovation	LS	1	\$5,000.00	\$5,000.00
Subtotal				\$164,978.00

Splash Pad				
Reinforced Colored Concrete Paving	SF	2,148	\$18.00	\$38,664.00
Splash Components/ Drain Control System	LS	1	\$140,000.00	\$140,000.00
Subtotal				\$178,664.00

Description	Unit	No. of Units	Price	Extension
Playground				
Relocate Swings	LS	1	\$6,000.00	\$6,000.00
Engineered Wood Fiber Surfacing	SY	207	\$12.00	\$2,484.00
Flush Curb	LF	554	\$22.00	\$12,188.00
Subtotal				\$20,672.00

Basketball Courts				
Bituminous Court Paving	SY	1,255	\$40.00	\$50,200.00
Acrylic Court Surfacing	SY	1,255	\$5.00	\$6,275.00
Goals (Precast Concrete)	EA	4	\$3,000.00	\$12,000.00
Subtotal				\$68,475.00

Pickleball/ Tennis Courts				
Bituminous Court Paving	SY	1,574	\$40.00	\$62,960.00
Acrylic Court Surfacing	SY	1,574	\$5.00	\$7,870.00
Pickleball Net with 2 posts	EA	2	\$1,500.00	\$3,000.00
Tennis Net with 2 posts	EA	1	\$1,500.00	\$1,500.00
4' Tall Fencing	LF	470	\$35.00	\$16,450.00
8' Tall Fencing	LF	342	\$45.00	\$15,390.00
4' Gates	EA	2	\$600.00	\$1,200.00
Subtotal				\$108,370.00

Shade Shelters				
40' x 60' Shelter	LS	1	\$60,000.00	\$60,000.00
Renovate Existing Shelter Roof	LS	1	\$8,000.00	\$8,000.00
Subtotal				\$68,000.00

Signage				
Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Secondary Entrance Feature	EA	3	\$1,000.00	\$3,000.00
Subtotal				\$33,000.00

Sports Fields Improvements				
Soccer Field with Renovated Drainage	LS	1	\$10,000.00	\$10,000.00
T-Ball Field Renovations	LS	1	\$18,000.00	\$18,000.00
Subtotal				\$28,000.00

Skate Park Improvements				
New Skate Park Equipment	LS	1	\$65,000.00	\$65,000.00
Subtotal				\$65,000.00



Description	Unit	No. of Units	Price	Extension
Site Amenities				
Benches	EA	15	\$2,500.00	\$37,500.00
Litter Receptacles	EA	13	\$1,500.00	\$19,500.00
Picnic Tables	EA	23	\$2,000.00	\$46,000.00
Grills	EA	4	\$1,000.00	\$4,000.00
Serving Tables	EA	2	\$1,500.00	\$3,000.00
Bike Racks	EA	2	\$500.00	\$1,000.00
Tree Grates	EA	3	\$2,500.00	\$7,500.00
Bleachers	EA	4	\$5,000.00	\$20,000.00
Subtotal				\$138,500.00

Lighting and Electrical				
Site Lights	EA	10	\$4,000.00	\$40,000.00
Shelter Lights	LS	4	\$1,000.00	\$4,000.00
Electrical Distribution	LF	695	\$12.00	\$8,340.00
SUBTOTAL				\$52,340.00

Landscape Improvements				
Deciduous Trees	EA	100	\$500.00	\$50,000.00
Ornamental Trees	EA	113	\$400.00	\$45,200.00
Lawn Seeding Seeding	LS	1	\$15,000.00	\$15,000.00
Native Seeding in Now Mow Area	SY	3,681	\$2.50	\$9,202.50
Subtotal				\$119,402.50

SUBTOTAL	\$1,460,249.00
Design and Construction Contingences @ 10%	\$146,024.90
Professional Fees and Expenses @9%	\$144,564.65
PINEWOOD PARK IMPROVEMENTS	\$1,750,838.55

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**Pinewood Park - COST ESTIMATE
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN**



DATE
2.16.2019
PROJECT NO.
2032





Rondo Station Park - MASTER PLAN
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
PROJECT NO.
2032



RONDO STATION MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

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Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$8,000.00	\$8,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$4,000.00	\$4,000.00
General Conditions (M, O & P@5%)	LS	1	\$24,013.00	\$24,013.00
Subtotal				\$42,013.00

Site Preparation and Removals

Soil Erosion, Sedimentation Control Site Preparation, Grading and Removals (Botuminous Path, Playground Equipment, Fencing, Bollards, Signage)	SY	3292	\$6.00	\$19,752.00
Clearing at Paul Henry Trail	LS	1	\$1,500.00	\$1,500.00
Site Drainage	LS	1	\$16,000.00	\$16,000.00
Subtotal				\$37,252.00

Playground

Resilient Surfacing	SF	3,724	\$15.00	\$55,860.00
Component Structure	LS	1	\$50,000.00	\$50,000.00
Merry-Go-All	EA	1	\$4,250.00	\$4,250.00
2 Bay Swings (2 Belts and 2 Universal)	EA	1	\$5,500.00	\$5,500.00
Spring Ride	EA	2	\$3,000.00	\$6,000.00
Bench	EA	2	\$1,500.00	\$3,000.00
Subtotal				\$124,610.00

Signage

Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Map Kiosk	LS	1	\$13,000.00	\$13,000.00
Subtotal				\$43,000.00

Shelter

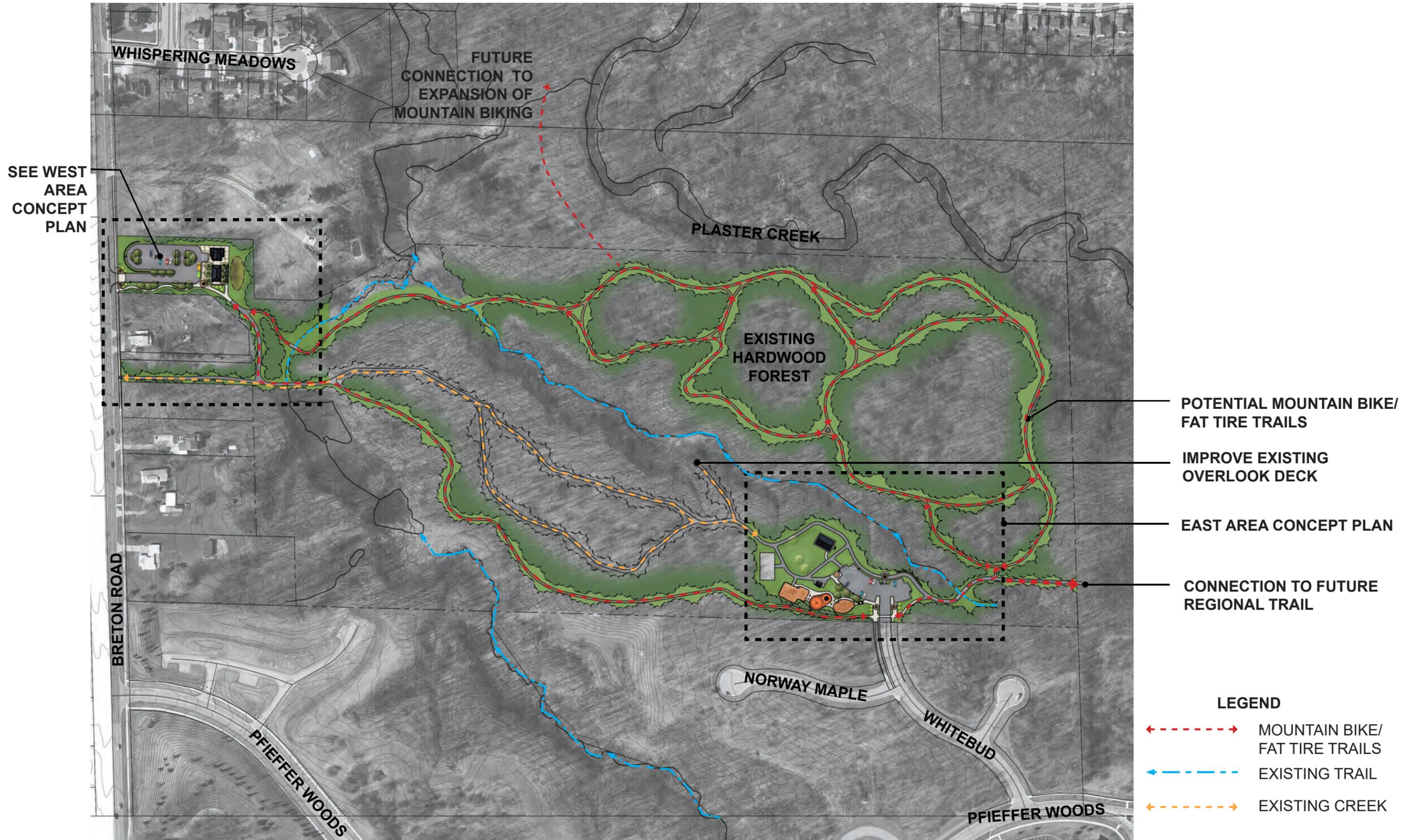
18' Shelter	LS	1	\$22,000.00	\$22,000.00
Subtotal				\$22,000.00

Description	Unit	No. of Units	Price	Extension
Landscape Improvements				
Deciduous Trees	EA	24	\$500.00	\$12,000.00
Ornamental Trees	EA	13	\$400.00	\$5,200.00
Lawn Seeding and 4" of Top Soil	SY	556	\$4.00	\$2,224.00
Subtotal				\$19,424.00

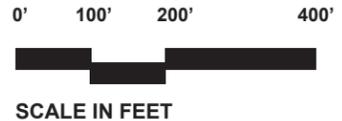
SUBTOTAL		\$390,845.00
Design and Construction Contingences @ 10%		\$39,084.50
Professional Fees and Expenses @9%		\$38,693.66
RONDO STATION IMPROVEMENTS		\$468,623.16

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Stanaback Park - OVERALL MASTER PLAN
PARKS MASTER PLANS
 CITY OF KENTWOOD, MICHIGAN



DATE
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Stanaback Park - EAST AREA MASTER PLAN
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN



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Stanaback Park - WEST AREA MASTER PLAN
PARKS MASTER PLANS
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PROJECT NO.
2032



STANABECK PARK MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

These order-of magnitude costs projections are for the public areas and facilities. Estimates should be utilized to evaluate the general scope and items included within the Master Plan component areas. As Master Plan phases are determined these estimates should be further refined and detailed as plans are developed. Each area/component total includes contingencies for design development and professional fees. Costs as shown would included 2019 construction but should be adjusted to reflect construction cost changes after 2019.

WEST IMPROVEMENTS

Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$10,000.00	\$10,000.00
Insurance, Permits, and Bonds	LS	1	\$8,000.00	\$8,000.00
Layout and Staking	LS	1	\$6,000.00	\$6,000.00
General Conditions (M, O & P@5%)	LS	1	\$35,831.00	\$35,831.00
Subtotal				\$59,831.00

Site Preparation and Removals

Soil Erosion, Sedimentation Control, Site Preparation, Grading and Removals	SY	5831	\$6.00	\$34,986.00
Site Drainage	LS	1	\$25,000.00	\$25,000.00
Subtotal				\$59,986.00

Site Construction

Bituminous Parking	SY	1,927	\$25.00	\$48,175.00
Bituminous Paths	SY	318	\$22.00	\$6,996.00
Concrete Curb and Gutter	LF	1,330	\$22.00	\$29,260.00
Concrete Sidewalk - 4" Depth	SF	5,293	\$5.00	\$26,465.00
Concrete Sidewalk - 6" Depth	SF	834	\$7.00	\$5,838.00
Decorative Paving (Exposed Aggregate or Colored Concrete)	SF	2,646	\$8.00	\$21,168.00
Concrete Pavers	SF	718	\$25.00	\$17,950.00
Barrier Free Signs	EA	2	\$500.00	\$1,000.00
Retaining Wall	LF	162	\$300.00	\$48,600.00
Decorative Fencing	LF	74	\$100.00	\$7,400.00
Subtotal				\$212,852.00

Signage

Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Secondary Entry	EA	1	\$1,000.00	\$1,000.00
Map Kiosk	LS	1	\$13,000.00	\$13,000.00
Subtotal				\$44,000.00

Shelter

24' x 44' Shelter	LS	1	\$45,000.00	\$45,000.00
Subtotal				\$45,000.00

Description	Unit	No. of Units	Price	Extension
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Site Amenities

Picnic Tables	EA	14	\$3,000.00	\$42,000.00
Litter Receptacles	EA	2	\$1,500.00	\$3,000.00
Tree Grates	EA	6	\$1,500.00	\$9,000.00
Bike Racks	EA	10	\$500.00	\$5,000.00
Bike Repair Center	LS	1	\$1,000.00	\$1,000.00
Subtotal				\$60,000.00

Lighting and Electrical

Parking and Road Lighting	EA	6	\$4,000.00	\$24,000.00
Shelter Light	LS	1	\$1,000.00	\$1,000.00
Electrical Distribution	LF	425	\$12.00	\$5,100.00
SUBTOTAL				\$30,100.00

Restroom Building and Utilities

Restroom Building (with Wall Mounted Drinking Fountain)	SF	785	\$225.00	\$176,625.00
Utility Lines and Connections with Force Main	LS	1	\$45,000.00	\$45,000.00
Subtotal				\$221,625.00

Landscape Improvements

Deciduous Trees	EA	23	\$500.00	\$11,500.00
Ornamental Trees	EA	8	\$400.00	\$3,200.00
Restoration Seeding	SY	1,093	\$4.00	\$4,372.00
Subtotal				\$19,072.00

WEST SUBTOTAL

\$752,466.00

EAST IMPROVEMENTS

Description	Unit	No. of Units	Price	Extension
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General Conditions

Mobilization	LS	1	\$8,000.00	\$8,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$4,000.00	\$4,000.00
General Conditions (M, O & P@5%)	LS	1	\$18,055.00	\$18,055.00
Subtotal				\$36,055.00

Site Preparation and Removals

Soil Erosion, Sedimentation Control, Site Preparation, Grading and Removals	SY	6026	\$3.00	\$18,078.00
Remove Bituminous Paving	SF	10,791	\$1.50	\$16,186.50
Site Drainage	LS	1	\$5,000.00	\$5,000.00
Subtotal				\$39,264.50



EAST IMPROVEMENTS (Continued)

Site Construction

Description	Unit	No. of Units	Price	Extension
Bituminous Parking	SY	1,199	\$25.00	\$29,975.00
Bituminous Path	SY	396	\$25.00	\$9,900.00
Concrete Curb and Gutter	LF	373	\$22.00	\$8,206.00
Concrete Sidewalk - 4" Depth	SF	4,689	\$5.00	\$23,445.00
Concrete Sidewalk - 6" Depth	SF	180	\$7.00	\$1,260.00
Concrete Pavers	SF	704	\$25.00	\$17,600.00
Bollards	EA	5	\$500.00	\$2,500.00
Concrete Steps with Railing and Cheekwall	SF	127	\$70.00	\$8,890.00
Barrier Free Sign	EA	4	\$500.00	\$2,000.00
Retaining Wall	LF	88	\$200.00	\$17,600.00
4' Fencing	LF	215	\$25.00	\$5,375.00
Repair Overlook Deck	LS	1	\$500.00	\$500.00
Subtotal				\$127,251.00

Playground

Engineered Wood Fiber Surfacing	SY	1,845	\$12.00	\$22,140.00
Turned Down Edge	LF	280	\$22.00	\$6,160.00
Flush Curb	LF	268	\$22.00	\$5,896.00
Tri-Runner	LS	1	\$18,176.00	\$18,176.00
KidNexist Apollo	EA	1	\$23,931.00	\$23,931.00
ADA Ramp	EA	3	\$500.00	\$1,500.00
Bench	EA	4	\$1,500.00	\$6,000.00
4" Underdrains	LF	213	\$6.00	\$1,278.00
Subtotal				\$85,081.00

Signage

Entry Feature (Planter, Plantings and Light)	EA	2	\$15,000.00	\$30,000.00
Secondary Entry	EA	1	\$1,000.00	\$1,000.00
Map Kiosk	LS	1	\$13,000.00	\$13,000.00
Subtotal				\$44,000.00

Site Amenities

Litter Receptacles	EA	4	\$1,500.00	\$6,000.00
Bike Racks	EA	6	\$500.00	\$3,000.00
Bike Repair Center	LS	1	\$1,000.00	\$1,000.00
Bollards	EA	5	\$1,000.00	\$5,000.00
Subtotal				\$10,000.00

Lighting and Electrical

Site Parking and Drive Lights	EA	5	\$4,000.00	\$20,000.00
Map Kiosk Light	LS	1	\$1,000.00	\$1,000.00
Shelter Lights and Outlets	LS	1	\$2,500.00	\$2,500.00
Electrical Distribution	LF	620	\$12.00	\$7,440.00
SUBTOTAL				\$30,940.00

Landscape Improvements

Ornamental Trees	EA	6	\$400.00	\$2,400.00
Restoration Seeding	SY	1,041	\$4.00	\$4,164.00
Subtotal				\$6,564.00

EAST SUBTOTAL

\$379,155.50

TRAILS

Description Unit No. of Units Price Extension

General Conditions

Mobilization	LS	1	\$8,000.00	\$8,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$10,000.00	\$10,000.00
General Conditions (M, O & P@5%)	LS	1	\$10,445.00	\$10,445.00
Subtotal				\$34,445.00

Site Preparation and Removals

Soil Erosion, Sedimentation Control, Site	SY	4717	\$2.00	\$9,434.00
Subtotal				\$9,434.00

Site Construction

Bridge	LF	44	\$1,500.00	\$66,000.00
Bridge Abutment	LS	1	\$2,000.00	\$2,000.00
Boardwalk	LF	600	\$65.00	\$39,000.00
Ramp Skills Course	LS	1	\$40,159.00	\$40,159.00
6' Cleared Mountain Bike Path	LF	7,074	\$4.00	\$28,296.00
Subtotal				\$175,455.00

TRAIL SUBTOTAL

\$219,334.00

SUBTOTAL

\$1,350,955.50

Design and Construction Contingences @ 10%

\$135,095.55

Professional Fees and Expenses @9%

\$133,744.59

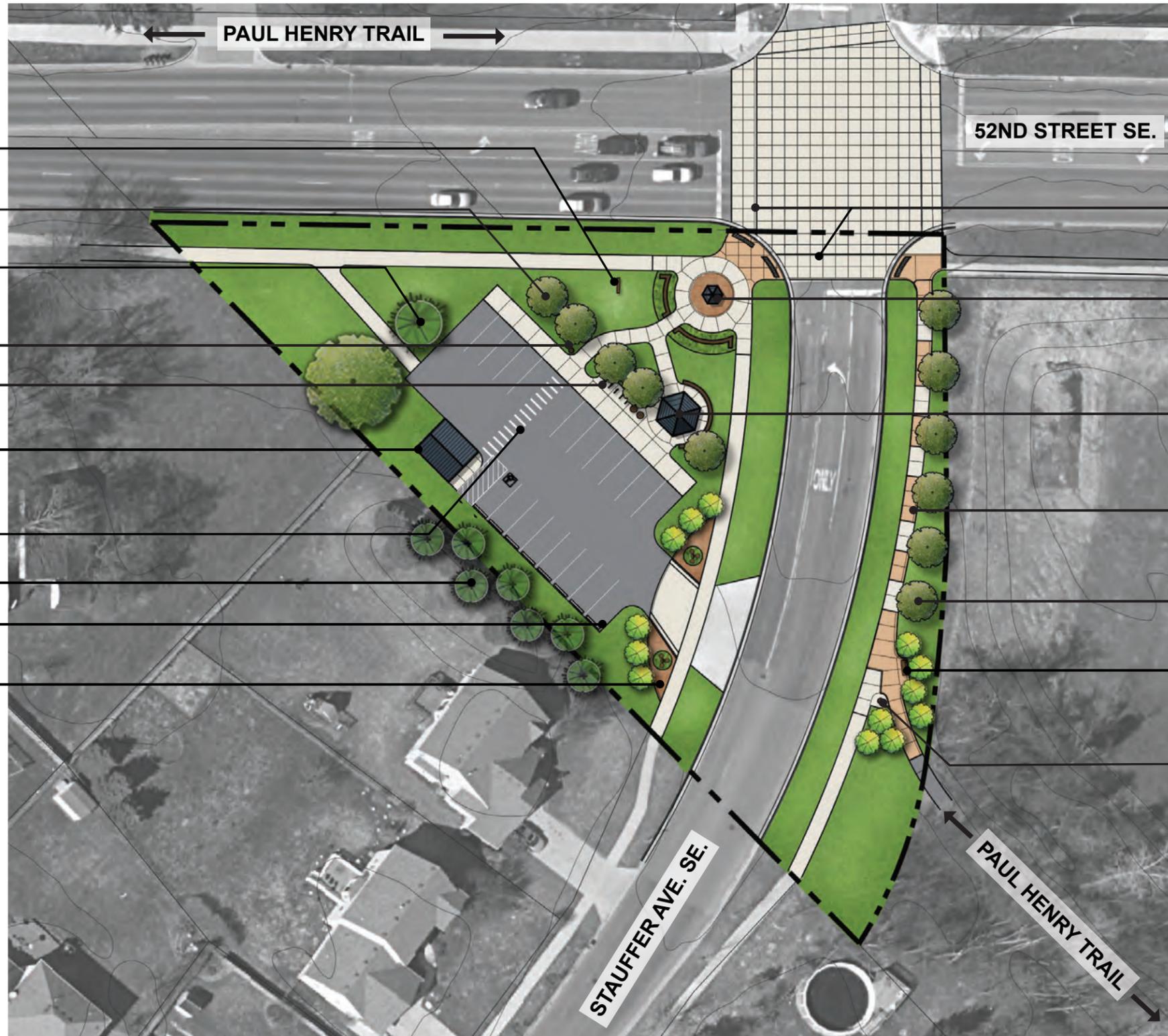
STANABECK PARK IMPROVEMENTS

\$1,619,795.64

Note that DEQ Permit will be required for this project. Additional fees (permit, wetland delineation) will be determined at that time.

Evaluations of the Project Budget and Estimates of Construction Cost prepared by M.C. Smith Associates represents their judgment as design professionals. It is recognized, however, M.C. Smith Associates has no control over the cost of labor, materials or equipment, nor a contractor's methods of determining bid prices, or over competitive bidding, or market conditions. Accordingly, M.C. Smith Associates cannot and does not warrant or represent that bids or negotiated prices will not vary from the Project Budget or from any estimate of construction cost or evaluation prepared by M.C. Smith Associates.





- DIGITAL SIGN
- SHADE TREES
- EXISTING TREE
- SECONDARY TRAIL SIGNAGE
- BIKE PARKING
-Bike Repair Station
- EXISTING RESTROOM
-Drinking Fountain
- PAINTED CROSSING
- EXISTING EVERGREEN TREES
- EXISTING PARKING LOT
-To be sealed and re-striped
- PARK ENTRY FEATURE

- CONCRETE INTERSECTION
- TRAILHEAD PLAZA
-Lighted Map Kiosk and retaining wall
- 24' SHADE SHELTER
-Picnic Tables, Trash Receptacles, and Retaining Wall
- DECORATIVE PAVING PATTERN
- Direct trail users to appropriate crossing
- SHADE TREES
- BENCH
- SECONDARY TRAIL SIGNAGE

Stauffer Station Park - MASTER PLAN
PARKS MASTER PLANS
 CITY OF KENTWOOD, MICHIGAN



DATE
2.16.2019
PROJECT NO.
2032



STAUFFER STATION MASTER PLAN

ORDER OF MAGNITUDE COST ESTIMATE

These order-of magnitude costs projections are for the public areas and facilities. Estimates should be utilized to evaluate the general scope and items included within the Master Plan component areas. As Master Plan phases are determined these estimates should be further refined and detailed as plans are developed. Each area/component total includes contingencies for design development and professional fees. Costs as shown would included 2019 construction but should be adjusted to reflect construction cost changes after 2019.

Description	Unit	No. of Units	Price	Extension
General Conditions				
Mobilization	LS	1	\$4,000.00	\$4,000.00
Insurance, Permits, and Bonds	LS	1	\$6,000.00	\$6,000.00
Layout and Staking	LS	1	\$1,000.00	\$1,000.00
General Conditions (M, O & P@5%)	LS	1	\$17,992.00	\$17,992.00
SUBTOTAL				\$28,992.00

Site Preparation and Removals				
Soil Erosion, Sedimentation Control Site Preparation, Grading and Removals (Evergreen Trees, Boulders, Signage, Wheelstops)	SY	1502	\$6.00	\$9,012.00
SUBTOTAL				\$9,012.00

Site Construction				
Concrete Sidewalk - 4" Depth	SF	3,319	\$5.00	\$16,595.00
Concrete Intersection and Crosswalks	SF	7,271	\$12.00	\$87,252.00
Concrete Drive Opening - 6" Depth	SF	366	\$7.00	\$2,562.00
Turned Down Edge	LF	110	\$22.00	\$2,420.00
Decorative Paving (Exposed Aggregate or Colored Concrete)	SF	1,413	\$8.00	\$11,304.00
Concrete Pavers	SF	625	\$25.00	\$15,625.00
Pavement Sealcoat	LS	1	\$500.00	\$500.00
Pavement Striping	LS	1	\$500.00	\$500.00
Retaining Walls	LF	90	\$200.00	\$18,000.00
Tactile Indicators	SF	41	\$200.00	\$8,258.00
SUBTOTAL				\$163,016.00

Signage				
Digital Entrance Sign	LS	1	\$45,000.00	\$45,000.00
Secondary Trail Signage	LS	1	\$1,000.00	\$1,000.00
Map Kiosk	LS	1	\$13,000.00	\$13,000.00
SUBTOTAL				\$59,000.00

Shelter				
24' Shelter	LS	1	\$29,000.00	\$29,000.00
SUBTOTAL				\$29,000.00

Description	Unit	No. of Units	Price	Extension
Entry Feature				
Entry Feature	EA	2	\$15,000.00	\$30,000.00
SUBTOTAL				\$30,000.00

Site Amenities				
Benches	EA	1	\$2,500.00	\$2,500.00
Picnic Tables	EA	3	\$3,000.00	\$9,000.00
Litter Receptacles	EA	2	\$1,500.00	\$3,000.00
Bike Racks	EA	4	\$500.00	\$2,000.00
Bike Repair Center	LS	1	\$1,000.00	\$1,000.00
SUBTOTAL				\$17,500.00

Lighting and Electrical				
Map Kiosk Light	LS	1	\$1,000.00	\$1,000.00
Shelter Light	LS	1	\$1,000.00	\$1,000.00
Electrical Distribution	LF	267	\$12.00	\$3,204.00
SUBTOTAL				\$5,204.00

Landscape Improvements				
Deciduous Trees	EA	5	\$500.00	\$2,500.00
Ornamental Trees	EA	13	\$400.00	\$5,200.00
Lawn Seeding and 4" of Top Soil	SY	450	\$4.00	\$1,800.00
Ground Cover	SF	363	\$5.00	\$1,815.00
SUBTOTAL				\$11,315.00

SUBTOTAL				\$377,835.00
Design and Construction Contingences @ 10%				\$37,783.50
Professional Fees and Expenses @9%				\$37,405.67
STAUFFER STATION IMPROVEMENTS				\$453,024.17

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pop!

Plan Our Parks

You're invited to **POP** in and share your thoughts on Kentwood's parks.

The City of Kentwood is kicking off the master planning process for Parks and Recreation. Join us at one of five upcoming events to help shape the future of our parks.

1

June 27: Ice Cream Social

6-8pm • Veteran's Memorial Park • 355 48th St. SE

2

July 19: Kentwood Summer Concert Series - The Moxie Strings

7-8:30pm • Kentwood City Hall • 4900 Breton SE

3

August 1: Ice Cream Social

6-8pm • Northeast Park • 1900 Middleground Dr.

4

August 11: Celebrate Kentwood

12-4pm • Kentwood City Hall • 4900 Breton SE

5

September 15: End of Summer Food Truck Festival

12-4pm • Kentwood Public Library • 4950 Breton SE



Kentwood Parks & Recreation | 616.656.5270 | www.kentwood.us/parks

Share your thoughts at

PUBLIC INPUT PROCESS PARKS MASTER PLANS CITY OF KENTWOOD, MICHIGAN



ICE CREAM SOCIALS



FOOD TRUCK FESTIVAL



CELEBRATE KENTWOOD AND
SUMMER CONCERT SERIES

Five public events were held in the spring and summer of 2018 throughout the city of Kentwood to receive comments and suggestions from all residents. All events were highly attended by residents of all backgrounds, ages and abilities.

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	Bowen Station	Burgis Park	East Paris Nature	Home Acres	Jaycee	Kellogg Woods	Northeast	Old Farm	Paris	Pinewood	Rhondo Station	Stanaback	Stauffer Station
PUBLIC COMMENTS	5	1	1	4	5	4	3	5	3	5	2	2	4
BUSINESS PLAN	2	1	5	3	5	4	3	5	3	4	1	2	4
AREAS SERVICED	1	2	1	3	5	5	5	4	1	5	3	4	2
CONDITION OF PARK	4	1	4	5	5	4	1	2	3	4	3	2	1
UNIQUE PARK AMENITIES	1	4	3	5	5	5	5	4	3	5	3	2	1
TOTAL SCORE	13	9	13	20	25	22	17	20	13	23	12	12	12

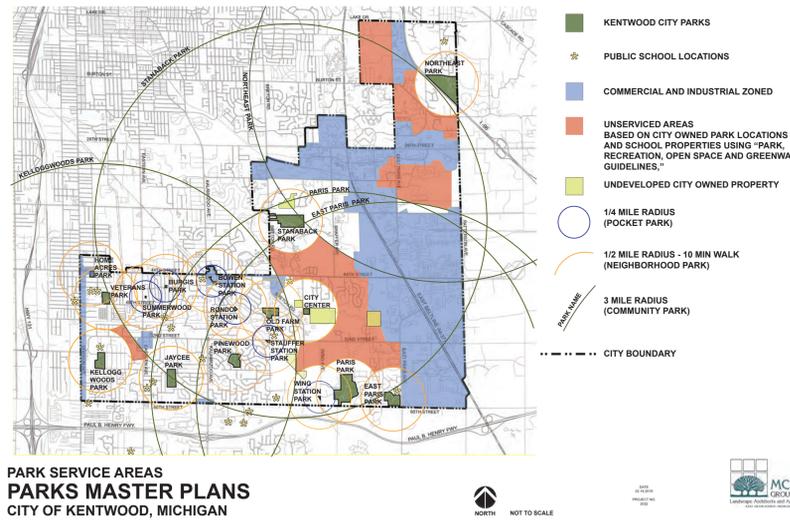
RANKING CRITERIA USES A SCALE OF 1-5 WITH THE HIGHEST SCORE BEING THE HIGHEST PRIORITY PARK. EACH PARK WAS CAREFULLY REVIEWED USING THE FOLLOWING CRITERIA:



PUBLIC COMMENTS



BUSINESS PLAN



AREAS SERVICED

PUBLIC COMMENTS

Public meetings were held in locations to encompass all residents in the City of Kentwood

BUSINESS PLAN

Key Leadership and Stakeholder Focus Groups as well as Recreation Needs Assessment Survey

AREAS SERVICED

Service Areas Shown on Sheet A - Parks With The Closest Proximity to a Large Population Of Neighborhoods

PARK RANKING		
1.	Jaycee Park	25
2.	Pinewood Park	23
3.	Kellogg Woods	22
4.	Old Farm Park	20
4.	Home Acres	20
5.	Northeast	17
6.	East Paris Nature	13
7.	Bowen Station	13
8.	Paris	12
9.	Stanabeck	12
9.	Stauffer Station	12
9.	Rhondo Station	12
10.	Burgis Park	9

CONDITION OF PARK

Parking Areas And Sidewalks, Restrooms, Shelters, Athletic Fields (Baseball, Softball, Soccer, Lacrosse Football), Courts (Futsal, Tennis And Boccee) Playgrounds, Splashpad, Skate Park, Disc Golf, Lighting, Walkng Paths, Boardwalks And Bridges

UNIQUE PARK AMENITIES

Amenities Not Found At Other Parks In The Kentood Park System - Full Size Ballfields (Soccer, Baseball And Softball), Sports Courts (Futsal, Tennis, Bocce, Pickleball Splashpad, Disc Golf, Skate Park, Trails And Trail Links

**PARK PRIORITIES
PARKS MASTER PLANS
CITY OF KENTWOOD, MICHIGAN**