



# VETERAN' S MEMORIAL PARK MASTER PLAN

City of Kentwood



## PLAN CONTENTS

- 01 EXISTING PARK ELEMENTS
- 02 PRELIMINARY CONCEPT SKETCH
- 03 MASTER PLAN
- 04 ARCHITECTURAL CONCEPT PLANS
- 05 SITE DESIGN VOCABULARY
- 06 COST ESTIMATE AREAS
- 07 - 11 ORDER-OF-MAGNITUDE COST PROJECTIONS

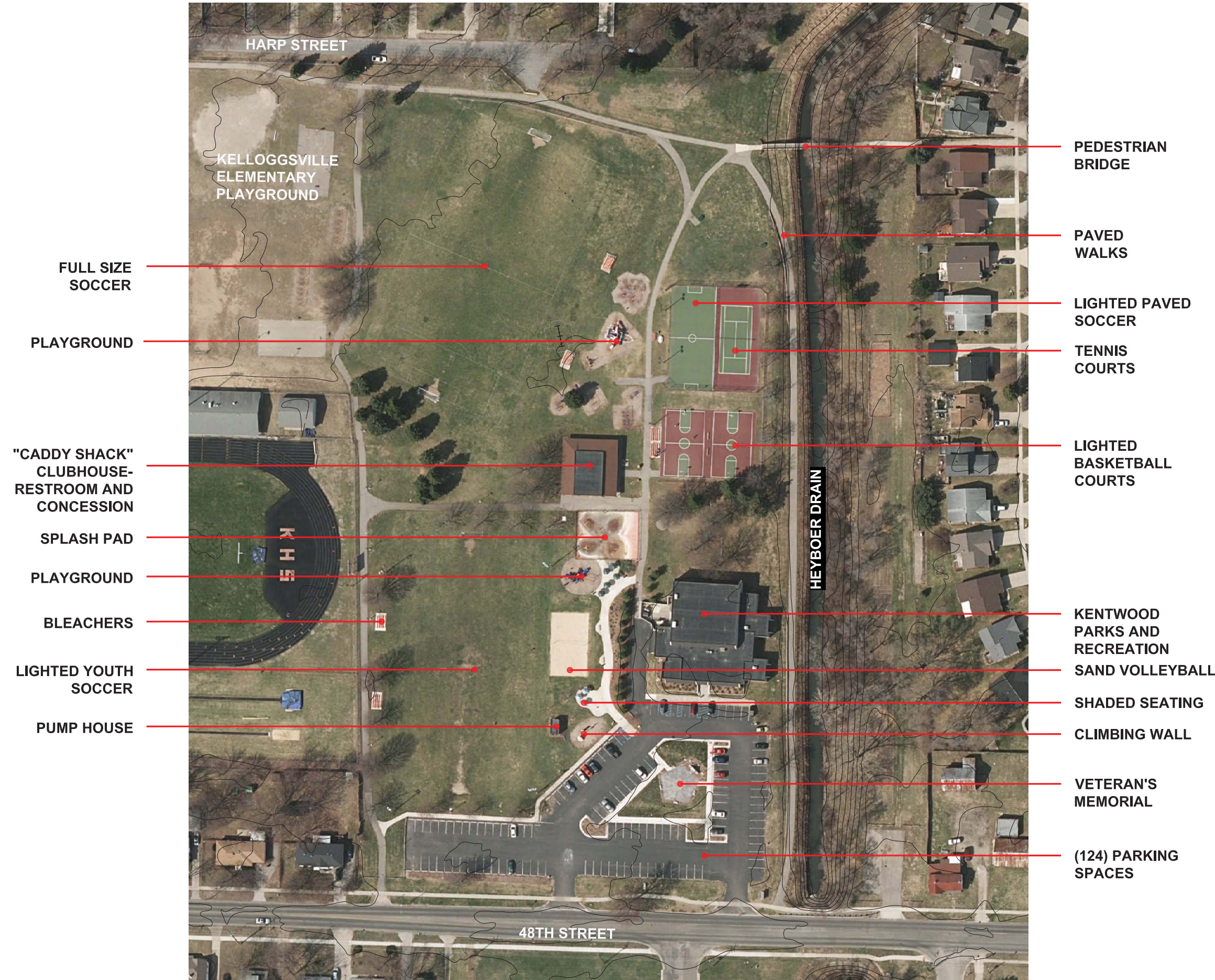
## M.C. SMITH ASSOCIATES AND ARCHITECTURAL GROUP, INC.

Landscape Architecture • Park & Recreation Planning • Architecture  
Downtown Planning • Interior Design • Sports Facility Planning

529 Greenwood Avenue S.E. • East Grand Rapids, MI 49506  
616-451-3346 • FAX: 616-451-1935 • mcsagroup.com







**EXISTING PARK ELEMENTS  
VETERAN'S MEMORIAL PARK  
CITY OF KENTWOOD, MICHIGAN**



DATE  
11.3.2017  
PROJECT NO.  
2028

**M.C. SMITH ASSOCIATES AND  
ARCHITECTURAL GROUP, INC.**  
Landscape Architecture • Park & Recreation Planning • Architecture  
Downtown Planning • Interior Design • Sports Facility Planning  
529 Greenwood Avenue S.E. • East Grand Rapids, MI 49506  
616-451-3346 • FAX: 616-451-1935 • mesagroup.com





LANDSCAPE BERM AND PLANTINGS

PARKING LOT  
(APPROXIMATELY 80 SPACES)

PLAYGROUND

PEDESTRIAN CONNECTION TO  
ELEMENTARY SCHOOL

LARGE GROUP SHELTER WITH  
PICNIC TABLES AND GRILLS

SPLASH PAD

EXISTING BITUMINOUS TRAIL

SHADE STRUCTURE

BLEACHER SEATING

PARK DRIVE

RECONFIGURED PARKING  
(LOSS 18 SPACES)

IMPROVED BRIDGE

EVENT CENTER

EVENT LAWN

SAND VOLLEYBALL

RESTROOM/  
CONCESSIONS BUILDING

TENNIS AND FUTSAL

BASKETBALL

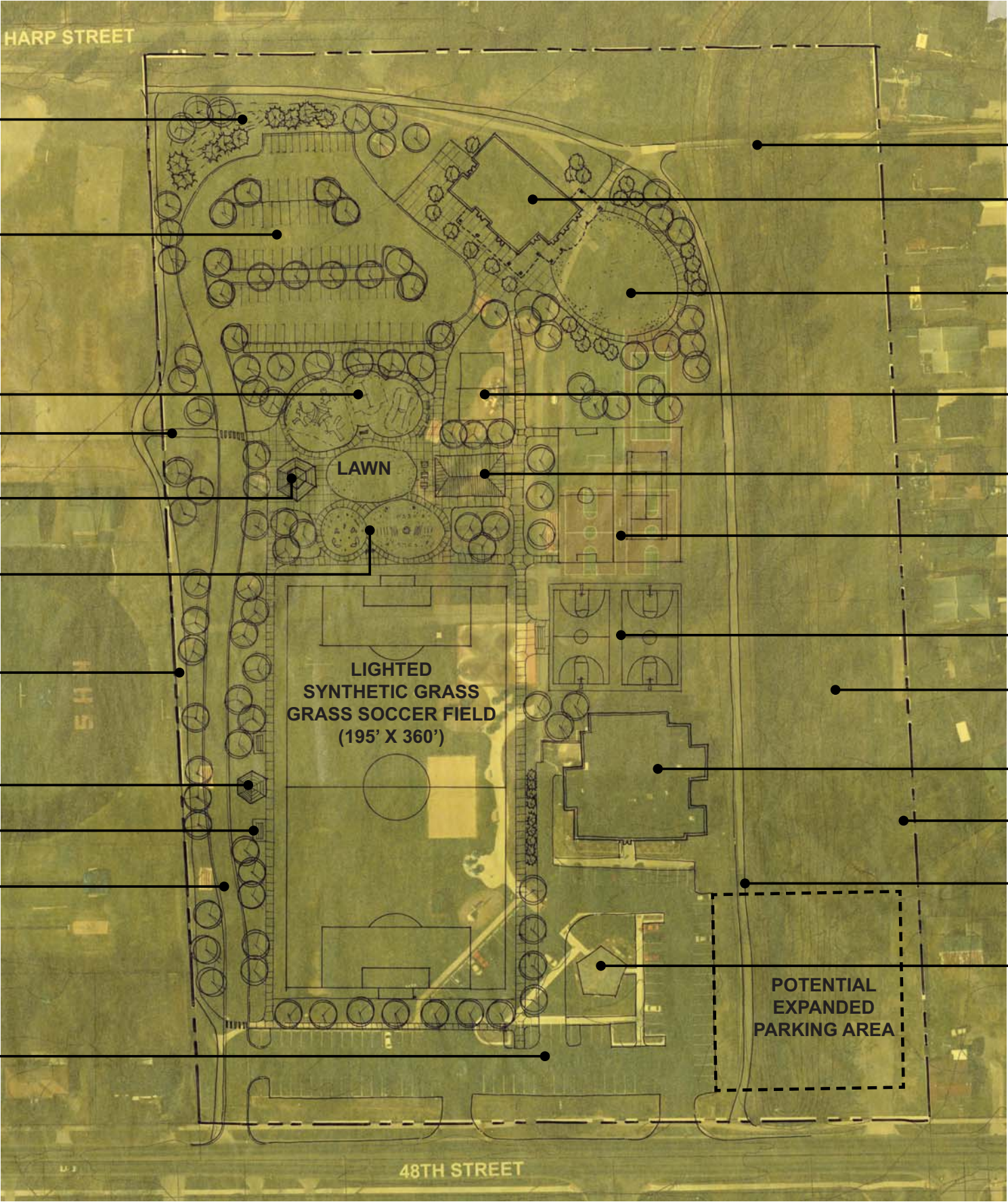
IMPROVED COMMUNITY  
GARDEN

EXISTING BUILDING

INSTALL PERIMETER  
PRIVACY FENCING

EXISTING TRAIL

EXISTING MEMORIAL



**PRELIMINARY CONCEPT SKETCH  
VETERAN'S MEMORIAL PARK  
CITY OF KENTWOOD, MICHIGAN**



NORTH



SCALE IN FEET

DATE  
11.3.2017  
PROJECT NO.  
2028

**M.C. SMITH ASSOCIATES AND  
ARCHITECTURAL GROUP, INC.**  
Landscape Architecture • Park & Recreation Planning • Architecture  
Downtown Planning • Interior Design • Sports Facility Planning  
529 Greenwood Avenue S.E. • East Grand Rapids, MI 49506  
616-451-3346 • FAX: 616-451-1935 • mcsagroup.com





LANDSCAPE BERM AND PLANTINGS

PARKING LOT WITH LED LIGHTING AND POWER PEDESTALS FOR FOOD TRUCKS  
(Approximately 88 Spaces)

PEDESTRIAN PROMENADE  
(10' wide at 6" depth)  
PLAYGROUND

PEDESTRIAN CONNECTION TO ELEMENTARY SCHOOL

LARGE GROUP SHELTER WITH PICNIC TABLES AND GRILLS

SPLASH PAD  
WITH SHADE STRUCTURE

EXISTING BITUMINOUS TRAIL

PARK DRIVE  
(With LED Lighting)

SHADE STRUCTURE  
4' TALL FENCE  
(At East and West sides with pedestrian openings and maintenance gate)

BLEACHER SEATING  
(2 Sets with 8 Rows)

FENCE WITH BALL CONTROL NETTING  
(At North and South Ends of Field)

RECONFIGURED PARKING  
(90 Spaces)

DELIVERY ACCESS/FIRE LANE

EVENT CENTER

EVENT LAWN  
(Enclosed with Decorative Fencing)

EXISTING TRAIL

SAND VOLLEYBALL  
(2 Courts)

RESTROOM/  
CONCESSIONS BUILDING

FUTSAL COURT

COMMUNITY GARDEN WITH 4' TALL PERIMETER FENCE

BASKETBALL  
(2 Courts)

CRUSHED STONE  
PATHWAY/DRIVE

DEMONSTRATION GARDEN

PERIMETER FENCE  
(4' tall Black Vinyl coated Chain Link )

COMMUNITY GARDEN  
ENTRANCE PLAZA

EXISTING MEMORIAL

EXPANDED PARKING LOT WITH LED LIGHTING OVER CULVERT  
(48 Spaces)

PARK SIGN  
-With Digital Banner

MASTER PLAN  
VETERAN'S MEMORIAL PARK  
CITY OF KENTWOOD, MICHIGAN

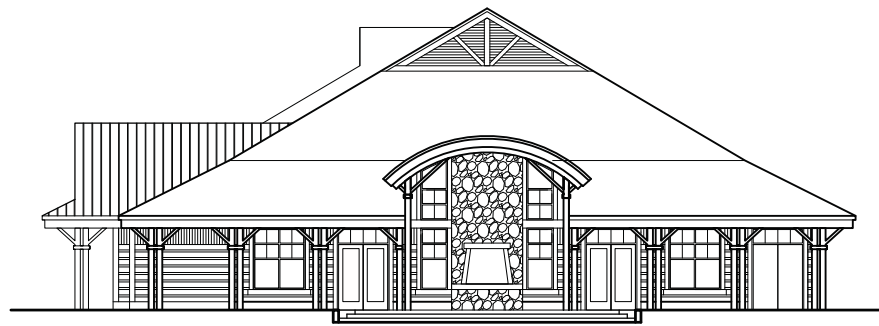


DATE  
11.3.2017  
PROJECT NO.  
2028

**M.C. SMITH ASSOCIATES AND  
ARCHITECTURAL GROUP, INC.**  
Landscape Architecture • Park & Recreation Planning • Architecture  
Downtown Planning • Interior Design • Sports Facility Planning  
529 Greenwood Avenue S.E. • East Grand Rapids, MI 49506  
616-451-3346 • FAX: 616-451-1935 • mcsagroup.com



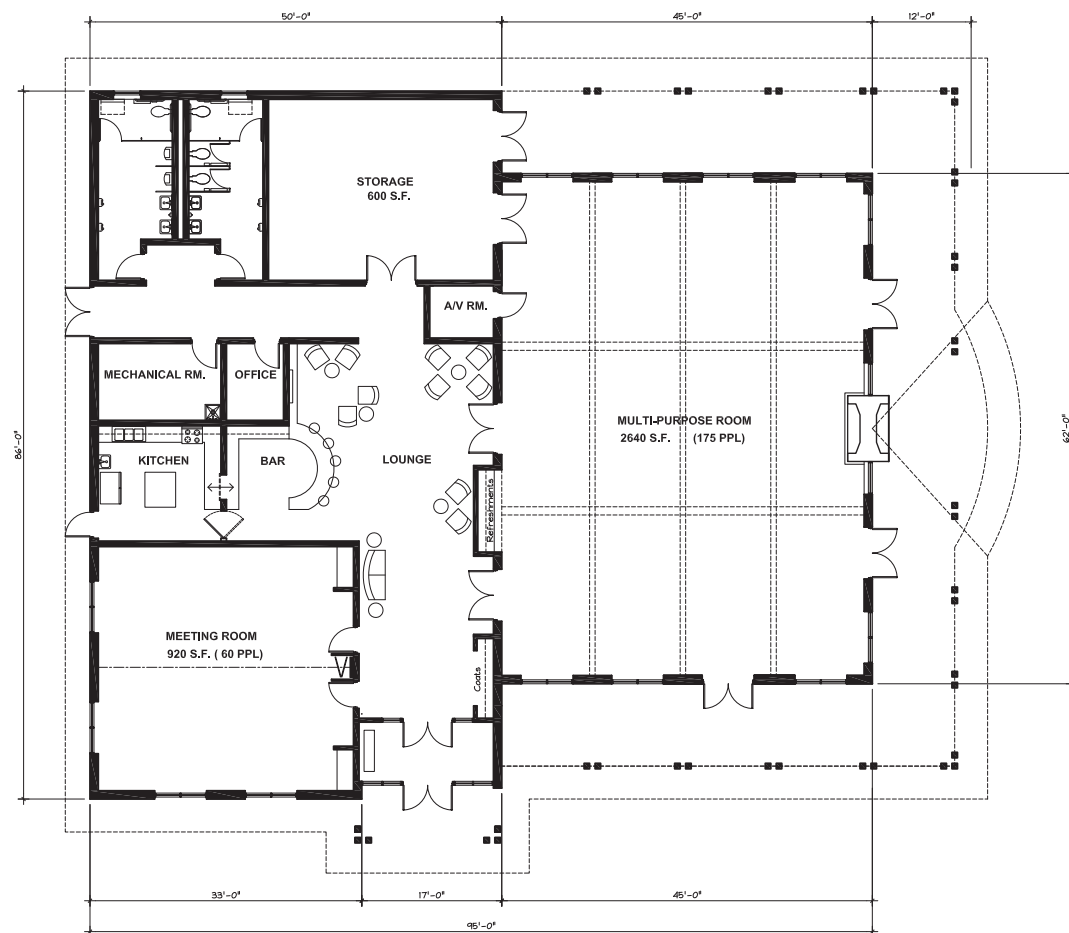




**SOUTH ELEVATION**



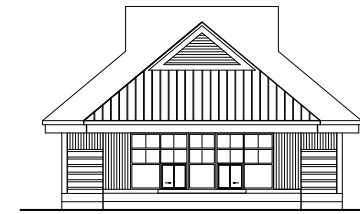
**WEST ELEVATION**



**PLAN**

**EVENT CENTER**

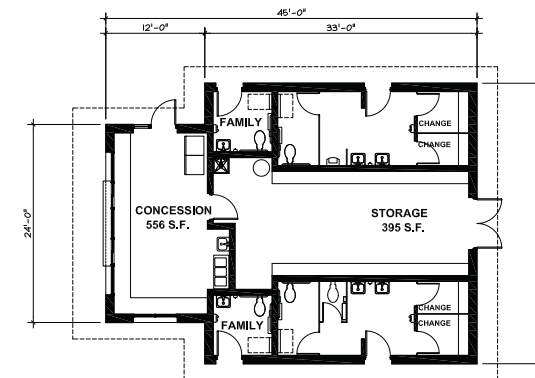
**ARCHITECTURAL CONCEPT PLANS  
VETERAN'S MEMORIAL PARK  
CITY OF KENTWOOD, MICHIGAN**



**SOUTH ELEVATION**



**WEST ELEVATION**



**PLAN**

**RESTROOM /CONCESSIONS BUILDING**

DATE  
111.3.2017  
PROJECT NO.  
2028

**M.C. SMITH ASSOCIATES AND  
ARCHITECTURAL GROUP, INC.**  
Landscape Architecture • Park & Recreation Planning • Architecture  
Downtown Planning • Interior Design • Sports Facility Planning  
529 Greenwood Avenue S.E. • East Grand Rapids, MI 49506  
616-451-3346 • FAX: 616-451-1935 • mcsagroup.com







**WHIRL AROUND**



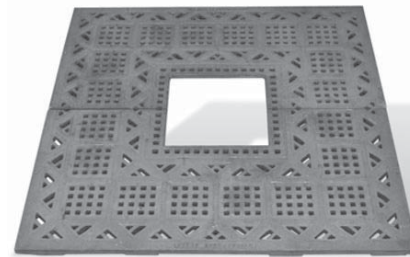
**TEETER TOTTER**



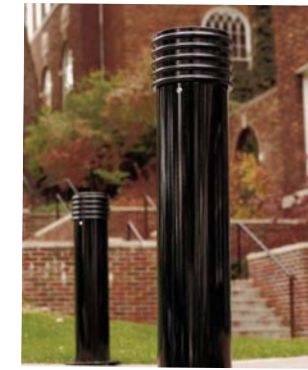
**CRUISE LINE**



**BIKE RACK**



**TREE GRATE**



**BOLLARD**



**LITTER CONTAINERS**



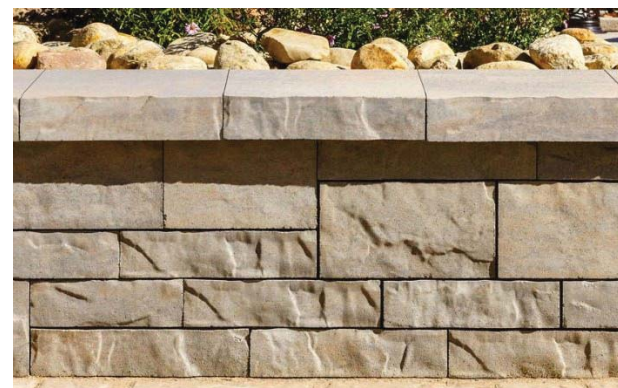
**PRIVACY FENCE**



**BENCH**



**PLAY EQUIPMENT**



**RETAINING WALL**



**PICNIC TABLE**



**SITE FURNITURE**

# **MASTER PLAN - DESIGN VOCABULARY VETERAN'S MEMORIAL PARK CITY OF KENTWOOD, MICHIGAN**

DATE  
11.3.2017  
PROJECT NO.  
2028

**M.C. SMITH ASSOCIATES AND  
ARCHITECTURAL GROUP, INC.**  
Landscape Architecture • Park & Recreation Planning • Architecture  
Downtown Planning • Interior Design • Sports Facility Planning  
529 Greenwood Avenue S.E. • East Grand Rapids, MI 49506  
616-451-3346 • FAX: 616-451-1935 • mcsagroup.com





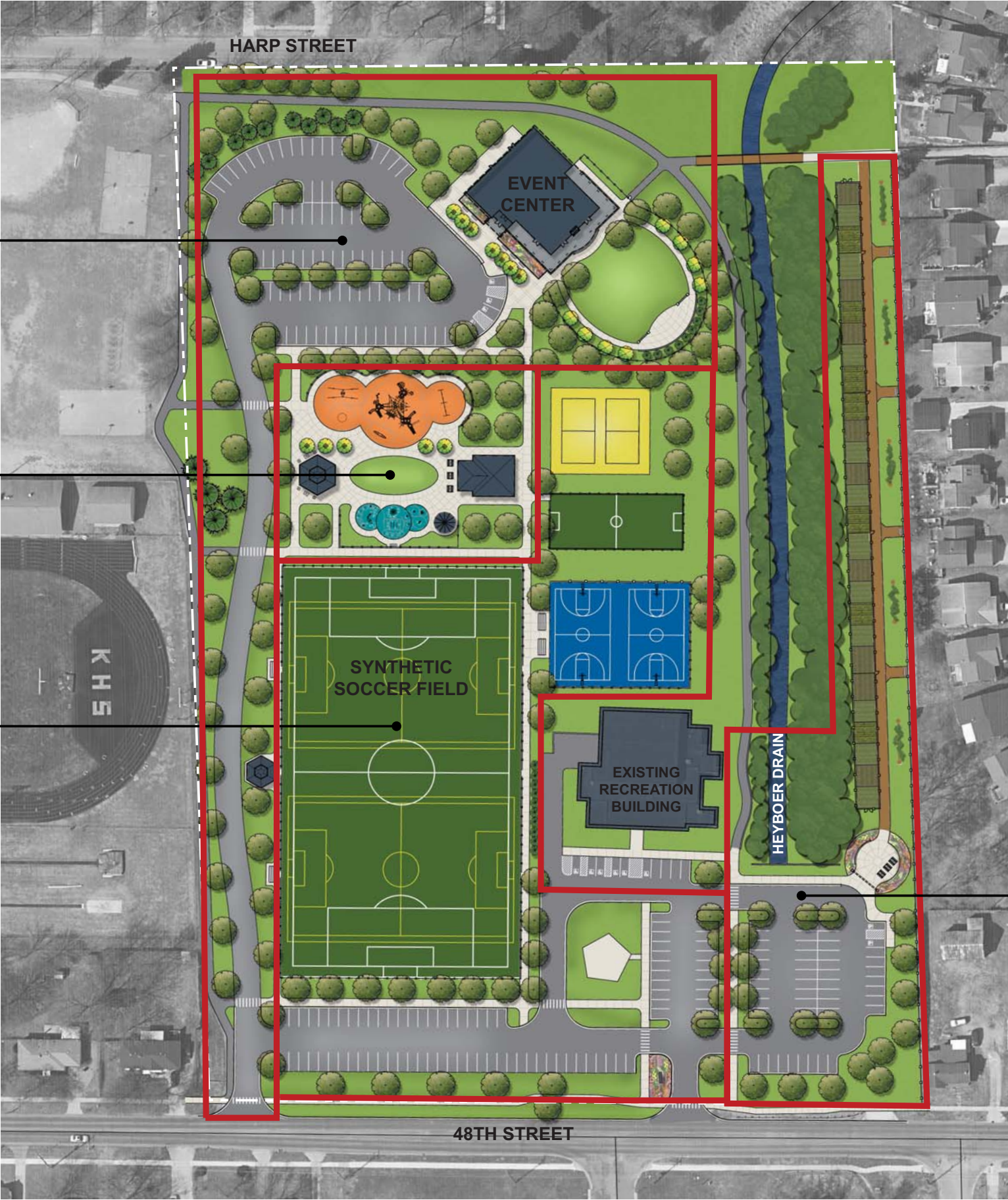
1. EVENT CENTER, AREA AND  
ENTRY DRIVE IMPROVEMENTS

2. PLAYGROUND, SPLASHPAD,  
AND RESTROOM AREA  
IMPROVEMENTS

3. SYNTHETIC SOCCER FIELD,  
SPORTS COURTS AND PARKING  
RECONFIGURATION

4. COMMUNITY GARDEN  
IMPROVEMENTS AND  
PARKING EXPANSION

**COST ESTIMATE AREAS**  
**VETERAN'S MEMORIAL PARK**  
**CITY OF KENTWOOD, MICHIGAN**



DATE  
11.3.2017  
PROJECT NO.  
2028

**M.C. SMITH ASSOCIATES AND  
ARCHITECTURAL GROUP, INC.**  
Landscape Architecture • Park & Recreation Planning • Architecture  
Downtown Planning • Interior Design • Sports Facility Planning  
529 Greenwood Avenue S.E. • East Grand Rapids, MI 49506  
616-451-3346 • FAX: 616-451-1935 • mcsagroup.com



VETERANS 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 2018 construction but should be adjusted to reflect construction cost changes after 2018.

SUMMARY BY AREA

1. Event Center, Area and Drive/ Parking Improvements	\$4,023,860.79
2. Playground, Splashpad, and Restroom Area Improvements	\$1,701,598.02
3. Synthetic Soccer Field, Sports Courts and Parking Reconfiguration	\$1,419,876.78
4. Community Garden Improvements and Parking Expansion	\$660,250.93

GRAND TOTAL	\$7,805,586.52
-------------	----------------

Description	Unit	No. of Units	Price	Extension
1. EVENT CENTER, AREA AND DRIVE/ PARKING IMPROVEMENTS				

General Conditions

Mobilization	LS	1	\$30,000.00	\$30,000.00
Insurance, Permits, and Bonds	LS	1	\$15,000.00	\$15,000.00
Layout and Staking	LS	1	\$10,000.00	\$10,000.00
General Conditions (M, O & P@5%)	LS	1	\$159,492.00	\$159,492.00

Site Preparation and Removals

Soil Erosion, Sedimentation Control Site Preparation & Grading	SY	18740	\$4.00	\$74,960.00
Saw Cut and Remove Paving	SY	882	\$6.00	\$5,292.00
Miscellaneous Removals (Including trees, bleachers, and lights)	LS	1	\$5,000.00	\$5,000.00

Description	Unit	No. of Units	Price	Extension
1. EVENT CENTER, AREA AND DRIVE/ PARKING IMPROVEMENTS continued				

Site Construction

Concrete Sidewalk - 4" Depth	SF	15,230	\$6.00	\$91,380.00
Concrete Sidewalk - 6" Depth	SF	1,959	\$8.00	\$15,672.00
Concrete Pavers	SF	141	\$25.00	\$3,525.00
Concrete Curb and Gutter	LF	1,919	\$25.00	\$47,975.00
Bituminous Paving and Striping	SY	5,414	\$25.00	\$135,350.00
Regulatory Signs	EA	6	\$250.00	\$1,500.00
Screen Fencing	LF	401	\$75.00	\$30,075.00
Retaining Wall	LF	84	\$200.00	\$16,800.00
Seat Wall with Columns	LF	67	\$120.00	\$8,040.00
Tactile Indicators	EA	4	\$200.00	\$800.00

Site Storm Drainage

12" Perforated Pipe	LF	735	\$25.00	\$18,375.00
12" Solid Pipe with Flared End Section	LF	295	\$35.00	\$10,325.00
Leaching Basins	EA	7	\$3,500.00	\$24,500.00
Manhole	EA	1	\$3,000.00	\$3,000.00
Plaza Drain	EA	3	\$750.00	\$2,250.00

Site Lighting

Light Fixtures and Poles	EA	26	\$4,000.00	\$104,000.00
Electrical Distribution	LF	3,100	\$12.00	\$37,200.00
Power Pedestal for Food Trucks	EA	3	\$1,500.00	\$4,500.00

Site Amenities

Benches	EA	6	\$2,500.00	\$15,000.00
Litter Receptacles	EA	2	\$1,500.00	\$3,000.00
Recycle Receptacles	EA	2	\$1,500.00	\$3,000.00
Bollards	EA	10	\$2,000.00	\$20,000.00
Tree Grates	EA	7	\$2,500.00	\$17,500.00
Bike Racks	EA	10	\$500.00	\$5,000.00

ORDER-OF-MAGNITUDE COST PROJECTIONS  
VETERAN’S MEMORIAL PARK  
CITY OF KENTWOOD, MICHIGAN

DATE  
11.3.2017  
  
PROJECT NO.  
2028

M.C. SMITH ASSOCIATES AND  
ARCHITECTURAL GROUP, INC.  
Landscape Architecture • Park & Recreation Planning • Architecture  
Downtown Planning • Interior Design • Sports Facility Planning  
529 Greenwood Avenue S.E. • East Grand Rapids, MI 49506  
616-451-3346 • FAX: 616-451-1935 • mcsagroup.com





Description

Unit

No. of Units

Price

Extension

1. EVENT CENTER, AREA AND DRIVE/ PARKING IMPROVEMENTS continued

<b>Event Center Building and Utilities</b>				
Event Center Building	SF	7,068	\$275.00	\$1,943,700.00
Event Center Porch	SF	2,282	\$150.00	\$342,300.00
Concrete Steps with Cheek Wall at Porch	SF	131	\$75.00	\$9,825.00
6" Sanitary Line	LF	297	\$40.00	\$11,880.00
Manhole	EA	1	\$3,000.00	\$3,000.00
2" Water Line	LF	80	\$50.00	\$4,000.00
Gas Line	LF	117	\$30.00	\$3,510.00
Transformer Relocation	LS	1	\$20,000.00	\$20,000.00
Electrical Distribution and Connections	LF	305	\$50.00	\$15,250.00
<b>Landscape Improvements</b>				
Deciduous Trees	EA	53	\$500.00	\$26,500.00
Ornamental Trees	EA	24	\$450.00	\$10,800.00
Evergreen Trees	EA	9	\$400.00	\$3,600.00
Lawn Seeding and 4" of Top Soil	SY	4,382	\$4.00	\$17,528.00
Sod	SY	1,558	\$5.00	\$7,790.00
Irrigation System	SY	5,940	\$3.00	\$17,820.00
<b>SUBTOTAL</b>				\$3,356,014.00
Design and Construction Contingences @ 10%				\$335,601.40
Professional Fees and Expenses @9%				\$332,245.39
<b>EVENT CENTER AREA AND DRIVE/ PARKING IMPROVEMENTS</b>				<b>\$4,023,860.79</b>

Description

Unit

No. of Units

Price

Extension

2. PLAYGROUND, SPLASHPAD, AND RESTROOM AREA IMPROVMENTS

<b>General Conditions</b>				
Mobilization	LS	1	\$16,000.00	\$16,000.00
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	\$67,223.00	\$67,223.00
<b>Site Preparation and Removals</b>				
Soil Erosion, Sedimentation Control Site Preparation & Grading	SY	4988	\$5.00	\$24,940.00
Remove Existing "Caddy Shack" Building	LS	1	\$25,000.00	\$25,000.00
Remove Existing Pump House Building	LS	1	\$6,000.00	\$6,000.00
Miscellaneous removals (Trees, Existing Play Equipment, Bleachers, etc.. )	LS	1	\$9,000.00	\$9,000.00
<b>Site Construction</b>				
Concrete Paving -4" Depth	SF	15,966	\$5.00	\$79,830.00
Concrete Paving -6" Depth	SF	1,934	\$8.00	\$15,472.00
Turn Down Edge at Paving	LF	366	\$16.00	\$5,856.00
4' Tall Fencing	LF	4,667	\$35.00	\$163,345.00
40' Hexagon Picnic Shelter	LS	1	\$97,391.00	\$97,391.00
20' Umbrella Shelter at Splash Pad	LS	1	\$20,000.00	\$20,000.00
<b>Site Drainage</b>				
8" Drainage Pipe	LF	377	\$25.00	\$9,425.00
Plaza Drains	EA	4	\$750.00	\$3,000.00
<b>Playground</b>				
4" Underdrains	LF	346	\$6.00	\$2,076.00
Resilient Surfacing	SF	6,694	\$15.00	\$100,410.00
Component Structure (Branch Out -Neverland)	LS	1	\$83,633.00	\$83,633.00
Cruise Line	EA	1	\$7,943.00	\$7,943.00
Whirl Around	EA	1	\$3,135.00	\$3,135.00
Unity Teeter Tunnel	EA	1	\$5,770.00	\$5,770.00
2 Bay Swings (2 Belts and 2 tots)	EA	1	\$4,298.00	\$4,298.00





Description

Unit

No. of Units

Price

Extension

2. PLAYGROUND, SPLASHPAD, AND RESTROOM AREA IMPROVMENTS Continued

Splash Pad

Reinforced Colored Concrete Paving	SF	1,558	\$18.00	\$28,044.00
Splash Components	EA	20	\$5,000.00	\$100,000.00
Smart Drain	EA	2	\$15,000.00	\$30,000.00
Water Service Line	LF	50	\$30.00	\$1,500.00
Drain Line	LF	192	\$30.00	\$5,760.00
Flow Through Mechanical/ Control System	LS	1	\$40,000.00	\$40,000.00

Site Amenities

Benches	EA	5	\$2,500.00	\$12,500.00
Picnic Tables	EA	6	\$2,000.00	\$12,000.00
Grills	EA	4	\$1,000.00	\$4,000.00
Serving Tables	EA	2	\$1,500.00	\$3,000.00
Tree Grate	EA	4	\$2,000.00	\$8,000.00
Litter Receptacles	EA	2	\$1,200.00	\$2,400.00
Recycle Receptacles	EA	2	\$1,200.00	\$2,400.00
Bike Racks	EA	10	\$500.00	\$5,000.00

Restroom Building and Utilities

Restroom Building	SF	1,410	\$225.00	\$317,250.00
4" Sanitary Line	LF	350	\$35.00	\$12,250.00
Manhole	LS	1	\$3,500.00	\$3,500.00
2" Water Line	LF	333	\$50.00	\$16,650.00
Electrical Connections	LS	1	\$2,000.00	\$2,000.00

Site Lighting

Security Lighting	EA	4	\$4,000.00	\$16,000.00
Shelter Light and Receptacles	LS	1	\$3,000.00	\$3,000.00
Electrical Distribution	LF	460	\$12.00	\$5,520.00

Description

Unit

No. of Units

Price

Extension

2. PLAYGROUND, SPLASHPAD, AND RESTROOM AREA IMPROVMENTS Continued

Landscape Improvements

Deciduous Trees	EA	19	\$500.00	\$9,500.00
Sod	SY	1,145	\$5.00	\$5,725.00
Irrigation System	SY	1,145	\$3.00	\$3,435.00

SUBTOTAL			\$1,419,181.00	
Design and Construction Contingences @ 10%			\$141,918.10	
Professional Fees and Expenses @9%			\$140,498.92	
PLAYGROUND, SPLASHPAD, AND RESTROOM AREA IMPROVEMENTS SUBTOTAL			\$1,701,598.02	

3. SYNTHETIC TURF SOCCER FIELD, SPORTS COURTS AND PARKING RECONFIGURATION

General Conditions

Mobilization	LS	1	\$20,000.00	\$20,000.00
Insurance, Permits, and Bonds	LS	1	\$13,000.00	\$13,000.00
Layout and Staking	LS	1	\$8,000.00	\$8,000.00
General Conditions (M, O & P@5%)	LS	1	\$53,648.00	\$53,648.00

Site Preparation and Removals

Soil Erosion, Sedimentation Control Site Preparation & Grading	SY	19,780	\$3.00	\$59,340.00
Pavement Removal	SY	5,568	\$3.00	\$16,704.00
Play and Splashpad Equipment Removal	LS	1	\$8,000.00	\$8,000.00
Miscellaneous Removals (Site Furniture,olleyball Posts, etc..)	LS	1	\$3,000.00	\$3,000.00
Tree Removal	EA	13	\$500.00	\$6,500.00





DescriptionUnitNo. of UnitsPriceExtension

3. SYNTHETIC SOCCER FIELD, SPORTS COURTS AND PARKING RECONFIGContinued

Site Construction				
Concrete Paving -4" Depth	EA	6,348	\$5.00	\$31,740.00
Concrete Paving -4" Depth	EA	4,331	\$8.00	\$34,648.00
Bituminous Paving	SY	512	\$30.00	\$15,360.00
Bituminous Paving Overlay	SY	5,018	\$12.00	\$60,216.00
Concrete Curb and Gutter	LF	1,148	\$25.00	\$28,700.00
Tactile Indicators	EA	16	\$200.00	\$3,200.00
Black inyl Chain Link Fencing/with Ball Control Netting	LF	434	\$60.00	\$26,040.00
4' Tall Fencing	LF	550	\$35.00	\$19,250.00
Maintenance Gate	EA	1	\$500.00	\$500.00
30' Hexagon Shade Shelter	LS	1	\$54,113.00	\$54,113.00
Synthetic Turf Soccer Field				
Synthetic Turf Field	SF	9,162	\$9.75	\$89,329.50
Turn down Edge at Concrete Paving	LF	760	\$30.00	\$22,800.00
6"x18" Concrete Curb	LF	435	\$30.00	\$13,050.00
6" Collector Pipe	LF	1,194	\$20.00	\$23,880.00
Area Drains	EA	4	\$1,000.00	\$4,000.00
10" Drain Pipe	LF	221	\$30.00	\$6,630.00
Site Lighting				
Sports Field Lighting	LS	1	\$225,000.00	\$225,000.00
Electrical Distribution/ Connections	LF	1,194	\$12.00	\$14,328.00
8 Row Bleachers	EA	2	\$7,530.00	\$15,060.00
Site Amenities				
Picnic Tables	EA	4	\$2,500.00	\$10,000.00
Litter Receptacles	EA	2	\$1,500.00	\$3,000.00
Recycle Receptacles	EA	2	\$2,000.00	\$4,000.00
Bike Racks	EA	10	\$500.00	\$5,000.00
Electronic Entrance Sign	LS	1	\$33,149.00	\$33,149.00

DescriptionUnitNo. of UnitsPriceExtension

3. SYNTHETIC SOCCER FIELD, SPORTS COURTS AND PARKING RECONFIGContinued

Futsol Courts				
6" ReinforcedConcrete Court	SF	6,000	\$10.00	\$60,000.00
Acrylic Surfacing	SY	667	\$6.00	\$4,002.00
10' Tall Fencing	LF	341	\$45.00	\$15,345.00
Sand Volleyball Court				
Sand	CY	1,216	\$15.00	\$18,240.00
6"x6" Edging	LF	360	\$15.00	\$5,400.00
olleyball Net and Posts	SET	2	\$2,000.00	\$4,000.00
Basketball Courts				
Bituminous Court Paving	SY	1,362	\$22.00	\$29,964.00
Acrylic Court Surfacing	SY	1,362	\$5.00	\$6,810.00
Goals (Precast Concrete)	EA	4	\$3,500.00	\$14,000.00
10' Tall Fencing	LF	355	\$45.00	\$15,975.00
5 Row Bleachers	EA	2	\$5,000.00	\$10,000.00
Landscape Improvements				
Sod	SY	4,190	\$5.00	\$20,950.00
Deciduous Trees	EA	33	\$500.00	\$16,500.00
Evergreen Trees	EA	10	\$400.00	\$4,000.00
Shrub and Perennial Plantings	LS	1	\$15,000.00	\$15,000.00
Irrigation System	SY	4,282	\$3.00	\$12,846.00
SUBTOTAL				\$1,184,217.50
Design and Construction Contingences @ 10%				\$118,421.75
Professional Fees and Expenses @9%				\$117,237.53
SYNTHETIC SOCCER FIELD, SPORTS COURTS AND PARKING RECONFIGURATION TOTAL				\$1,419,876.78





DescriptionUnitNo. of UnitsPriceExtension

4. COMMUNITY GARDEN IMPROVEMENTS AND PARKING E PANSION 48 Spaces

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	\$2,000.00	\$2,000.00
General Conditions (M, O & P@5%)	LS	1	\$23,442.00	\$23,442.00

Site Preparation and Removals

Soil Erosion, Sedimentation Control Site Preparation & Grading	SY	10,590	\$4.00	\$42,360.00
--	----	--------	--------	-------------

Site Construction

Community Garden Entrance Sign and Columns	LS	1	\$10,000.00	\$10,000.00
Concrete Paving -4" Depth	SF	4,882	\$5.00	\$24,410.00
Bituminous Drive Paving	SY	2,704	\$25.00	\$67,600.00
Bituminous Path Paving	SY	114	\$30.00	\$3,420.00
Concrete Curb and Gutter	LF	977	\$25.00	\$24,425.00
Crushed Stone Walk/ Drive	SY	778	\$25.00	\$19,450.00
4' Tall Chain Link Fencing	LF	2,466	\$35.00	\$86,310.00
Freestanding Seat Wall	LF	28	\$80.00	\$2,240.00
Retaining Wall (3' Tall)	LF	114	\$80.00	\$9,120.00
Tactile Indicators	EA	4	\$200.00	\$800.00
Pedestrian Gate	EA	4	\$250.00	\$1,000.00
Maintenance Gate	EA	2	\$500.00	\$1,000.00

Site Storm Drainage

12" Storm Line	LF	228	\$35.00	\$7,980.00
Leaching Basin	EA	3	\$3,000.00	\$9,000.00

Culvert Extension

Fill for Culvert Extension	CY	7,696	\$8.00	\$61,568.00
Extension to Elliptical Culvert - 8' DIA.	LF	215	\$93.00	\$19,995.00
Retaining Wall (12' Tall)	LF	80	\$500.00	\$40,000.00

Site Lighting

Lighting Fixtures	EA	10	\$4,000.00	\$40,000.00
Electrical Distribution	LF	754	\$12.00	\$9,048.00

DescriptionUnitNo. of UnitsPriceExtension

4. COMMUNITY GARDEN IMPROVEMENTS AND PARKING E PANSION Continued

Site Amenities

Picnic Tables	EA	5	\$2,500.00	\$12,500.00
Benches	EA	8	\$2,000.00	\$16,000.00
Litter Receptacles	EA	2	\$1,500.00	\$3,000.00
Recycle Receptacles	EA	2	\$2,000.00	\$4,000.00
Bike Racks	EA	10	\$500.00	\$5,000.00
Corner Stakes for Plots	EA	124	\$30.00	\$3,720.00

SUBTOTAL	\$550,668.00
Design and Construction Contingences @ 10%	\$55,066.80
Professional Fees and Expenses @9%	\$54,516.13
COMMUNITY GARDEN IMPROVEMENTS AND PARKING E PANSION TOTAL	\$660,250.93

Evaluations of the Pro ect Budget and Estimates of Construction Cost prepared by M.C. Smith Associates represents their udgment as design professionals. It is recogni ed, however, M.C. Smith Associates has no control over the cost of labor, materials or e uipment, nor a contractor s methods of determining bid prices, or over competitive bidding, or mar et conditions. Accordingly, M.C. Smith Associates cannot and does not warrant or represent that bids or negotiated prices will not vary from the Pro ect Budget or from any estimate of construction cost or evaluation prepared by M.C. Smith Associates.

