



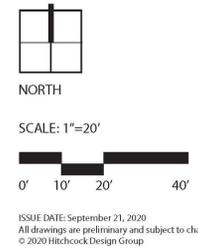
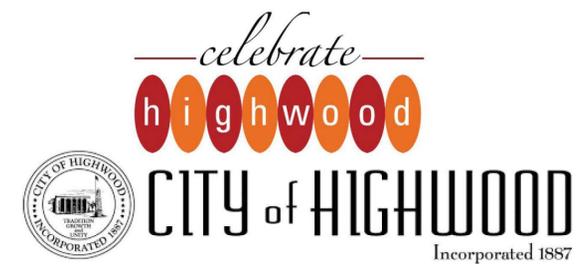
Everts Park - Stamp #102 DP-CD13.0 Layout & Materials Plan.dwg



Final Design Plan

Everts Park Master Plan

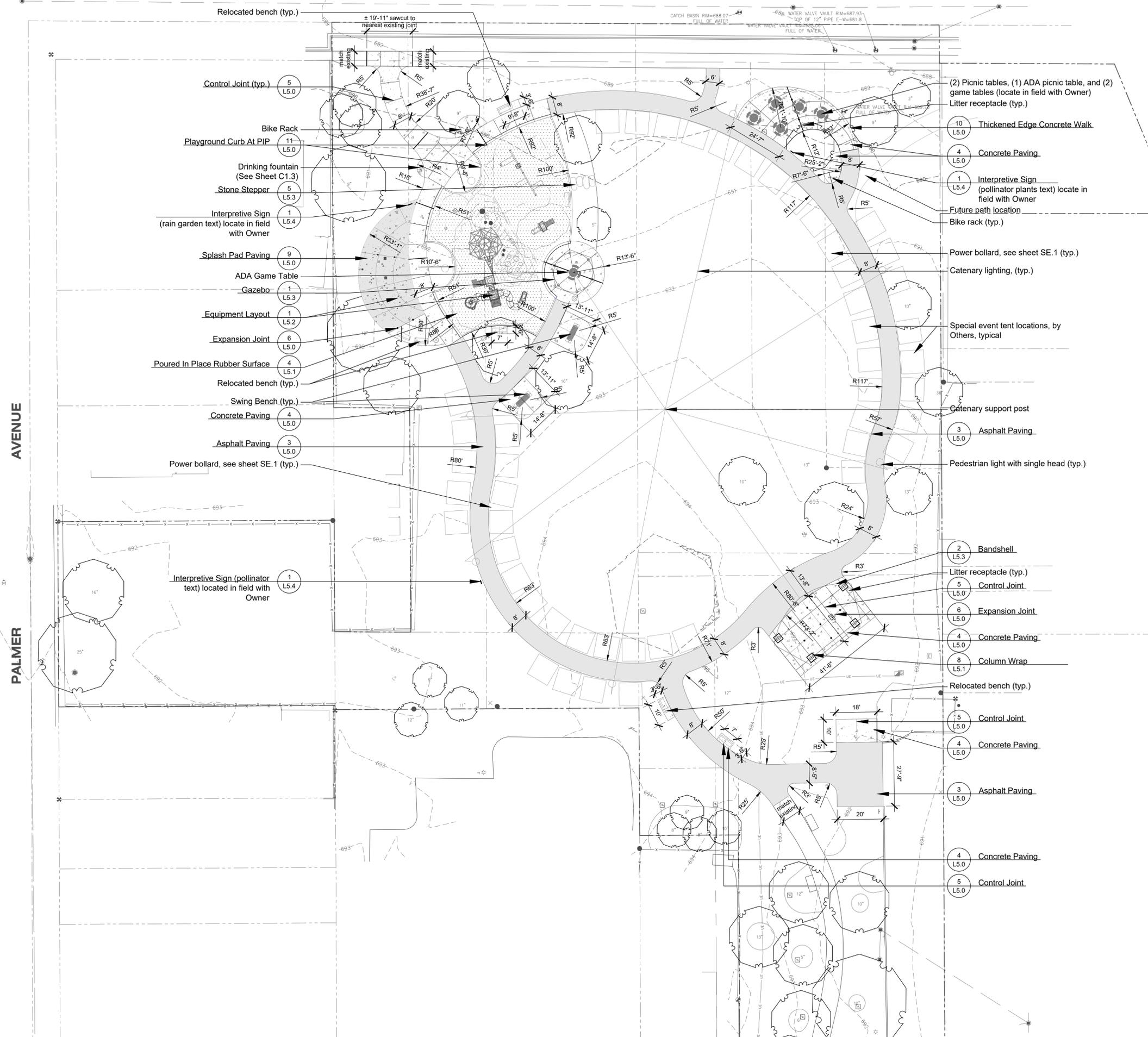
Highwood, Illinois



PREPARED FOR:
City of Highwood

ISSUE DATE: September 21, 2020
All drawings are preliminary and subject to change.
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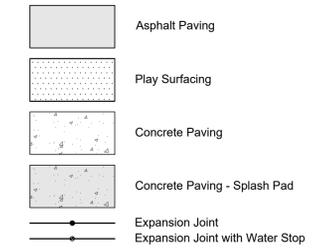
NORTH AVENUE



LAYOUT NOTES

- Contractor responsible for field layout of all new improvements. Digital files of geometric information will be provided upon request in AutoCAD format. No additional payment will be made for adjustments necessary to construct the work as drawn.
- Contractor responsible to coordinate work in order to obtain approval of all layout by Owners Representative prior to construction. No additional payment will be made to correct work if constructed incorrectly without pre-approval by Owners Representative.
- Contractor responsible to maintain all layout stakes during construction. No additional payment will be made to replace layout stakes.
- Place stakes at edges of limits of playground, shelter, and every 25 feet on center along centerline of all pathways for review by the Owner's Representative prior to earthwork operations.
- All walls are dimensioned to Face of Wall unless otherwise noted.
- All dimensions from roadway are from Back of Curb unless otherwise noted.
- All curves and radii to be smooth and not segmented.
- Contractor to provide layout stakes every 10 feet minimum for large arcs where radius points are not accessible.
- Adjustment to stake locations due to discrepancies between CAD file and dimensions is incidental to the contract. No additional payments will be made for this work.
- Contractor responsible to take delivery, assemble and install all materials and furnishings per manufacturer's instructions.
- Place control and expansion joints as shown on plans and details for all curbs, walks, walls, and concrete paving. Where joints are not shown, place control joints a maximum of 10 feet on center, expansion joints a maximum of 30 feet on center, and between all separate pours.
- Contractor will maintain use zone requirements within play surfacing; no use zone will overlap or be tangent unless noted. Adjust playground barrier curb and/or adjacent paving as needed to accommodate play equipment fall zones.
- Coordinate location of storm line with playground footings and obtain Owner's approval prior to installation. See Civil sheet C1.1.
- Layout of play surface shall be verified in field by landscape architect.
- Refer to specifications for additional conditions, standards and notes.

LAYOUT LEGEND



22 E. Chicago Avenue
Suite 200A
Naperville, IL 60540
T 630.961.1787
hitchcockdesigngroup.com

PREPARED FOR
City of Highwood
17 Highwood Avenue
Highwood, IL 60040

PROJECT
Everts Park
Final Design
111 North Avenue
Highwood, IL 60040

CONSULTANTS
Civil Engineer
Christopher B. Burke
Engineering, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, IL 60018
T 847.823.0500

Electrical Engineer
WT Engineering
2675 Pratum Avenue
Hoffman Estates, IL 60192
T 224.293.6333

ISSUED FOR CONSTRUCTION
November 4, 2020
REVISIONS

No	Date	Issue
03	2020.12.22	Supplemental Instructions 3
04	2021.1.12	Supplemental Instructions 4

CHECKED BY: SMK
DRAWN BY: BND / JJM

SHEET TITLE
Layout & Materials Plan



SHEET NUMBER
L3.0
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PREPARED FOR

**City of
Highwood**

17 Highwood Avenue
Highwood, IL 60040

PROJECT

**Everts Park
Final Design**

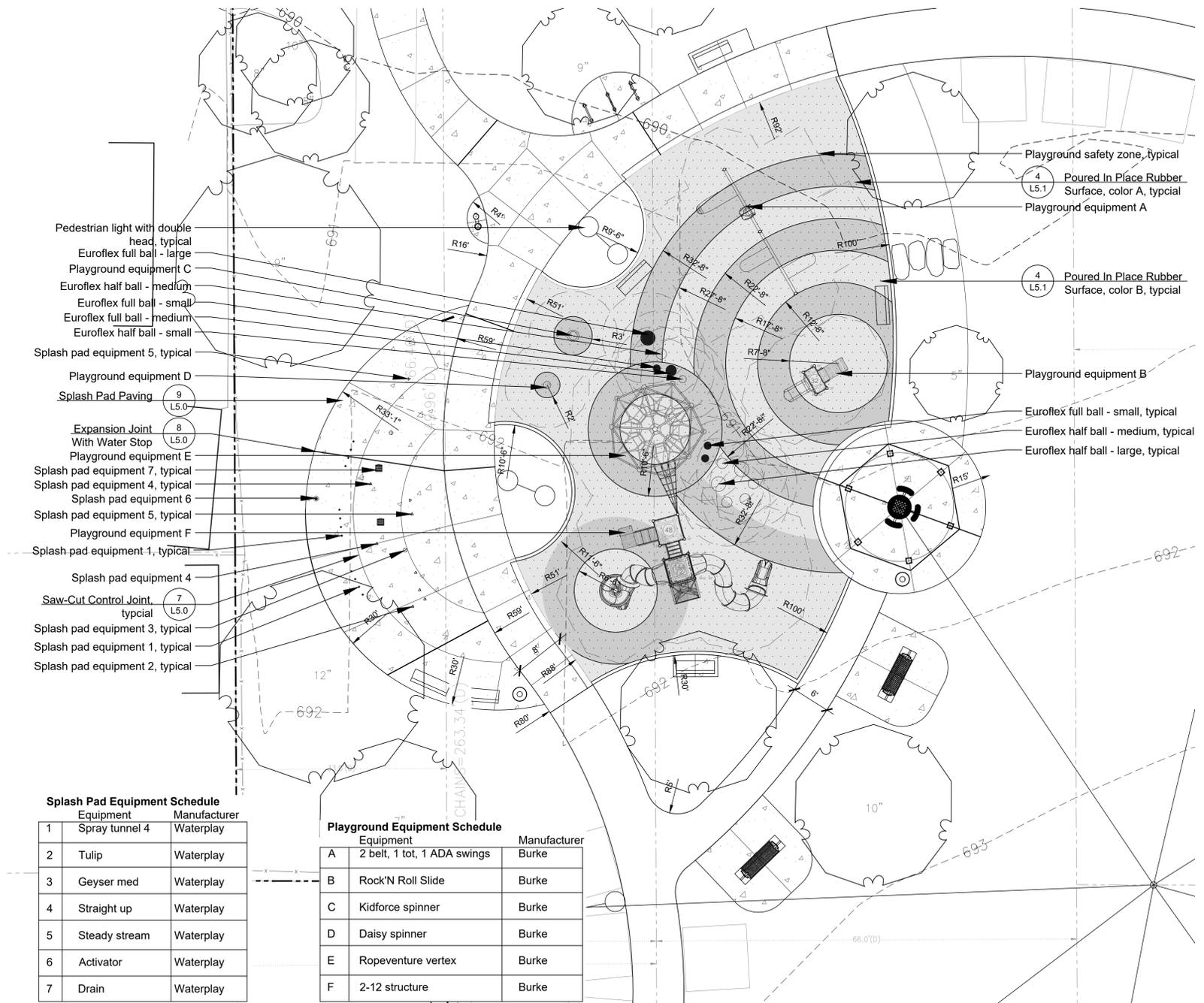
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T 224.293.6333



Splash Pad Equipment Schedule

Equipment	Manufacturer
1 Spray tunnel 4	Waterplay
2 Tulip	Waterplay
3 Geyser med	Waterplay
4 Straight up	Waterplay
5 Steady stream	Waterplay
6 Activator	Waterplay
7 Drain	Waterplay

Playground Equipment Schedule

Equipment	Manufacturer
A 2 belt, 1 tot, 1 ADA swings	Burke
B Rock'N Roll Slide	Burke
C Kidforce spinner	Burke
D Daisy spinner	Burke
E Ropeventure vertex	Burke
F 2-12 structure	Burke

1 Equipment Layout
1"=10'-0"

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CHECKED BY
SMK

DRAWN BY
BND / JJM

SHEET TITLE
Details

SCALE IN FEET

SHEET NUMBER

L5.2



Burke

SERIES: Basics, Nucleus
ISOMETRIC PLAN
DRAWN BY: Maggie Colton

Everts Park
130 Highwood Ave
Highwood, IL 60040

September 08, 2020

Play Illinois, LLC
129-130568-2

BCI Burke Company, LLC PO Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220



SERIES: Basics, Nucleus
 ELEVATION PLAN
 DRAWN BY: Maggie Colton

Everts Park
 130 Highwood Ave
 Highwood, IL 60040

BCI Burke Company, LLC PO Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220

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September 08, 2020



Vertex Fall Height:
 ASTM 7' 9"
 CPSC 14' 3"

The protective surfacing for this design must accomodate the critical fall height.



EVERTS PARK, HIGHWOOD, IL_PHASE 1



Master Plan Cost Opinion Phase One

Date: October 4, 2019
RE: Everts Park

Playground

Description	Qty.	Unit	Unit Cost	Extended Cost
existing playground removal	1	LS	\$ 11,750	\$11,750
earthwork and grading	1	ALLOW	\$ 4,000	\$4,000
asphalt paving	29	SY	\$ 34	\$986
playground curb	162	LF	\$ 28	\$4,536
PIP playground surfacing	1,408	SF	\$ 20	\$28,160
surfacing aggregate base	1,408	SF	\$ 5	\$7,040
playground equipment	1	LS	\$ 80,000	\$80,000
playground equipment installation	1	35.0%	\$ 28,000	\$28,000
playground drainage	1	LS	\$ 5,000	\$5,000
bench	4	EA	\$ 1,500	\$6,000
trash receptacle	1	EA	\$ 1,200	\$1,200
				Subtotal: \$ 176,672
Other Project Costs				
Contractor General Conditions (%)	1	LS	8.0%	\$14,134
Design Contingency (%)	1	LS	15%	\$26,501
Bid and Construction Contingency (%)	1	LS	15%	\$26,501
Escalation	1	LS	3%	\$5,300
				Subtotal: \$ 72,436
				Playground Total: \$ 249,108

Picnic Shelter

Description	Qty.	Unit	Unit Cost	Extended Cost
earthwork and grading	1	ALLOW	\$ 1,000	\$1,000
brick pavers	537	SF	\$ 12	\$6,444
gazebo	1	LS	\$ 25,000	\$25,000
gazebo installation	1	50.0%	\$ 12,500	\$12,500
				Subtotal: \$ 44,944
Other Project Costs				
Contractor General Conditions (%)	1	LS	8.0%	\$3,596
Design Contingency (%)	1	LS	15%	\$6,742
Bid and Construction Contingency (%)	1	LS	15%	\$6,742
Escalation	1	LS	3%	\$1,348
				Subtotal: \$ 18,427
				Playground Total: \$ 63,371

Splash Pad

Description	Qty.	Unit	Unit Cost	Extended Cost
earthwork and grading	1	ALLOW	\$ 5,000	\$5,000
concrete paving	351	SF	\$ 9	\$3,159
brick pavers	223	SF	\$ 12	\$2,676
purchase splash pad equipment	1	LS	\$ 40,000	\$40,000
splash pad equipment installation	1	50.0%	\$ 20,000	\$20,000
splash pad drainage	1	LS	\$ 5,000	\$5,000
splash pad electrical connection	1	LS	\$ 2,500	\$2,500
splash pad water service connection	1	LS	\$ 3,000	\$3,000
storm water utilities and connections	1	ALLOW	\$ 50,000	\$50,000
water service upgrade (tap, vault, meter, RPZ)	1	ALLOW	\$ 30,000	\$30,000
bench	2	EA	\$ 1,500	\$3,000
trash receptacle	1	EA	\$ 1,200	\$1,200
				Subtotal: \$ 165,535

Other Project Costs

Contractor General Conditions (%)	1	LS	8.0%	\$13,243
Design Contingency (%)	1	LS	15%	\$24,830
Bid and Construction Contingency (%)	1	LS	15%	\$24,830
Escalation	1	LS	3%	\$4,966
				Subtotal: \$ 67,869
				Splash Pad Total: \$ 233,404

Bandshell

Description	Qty.	Unit	Unit Cost	Extended Cost
concrete removal (under gazebo)	2,065	SF	\$ 3	\$6,195
asphalt path removal	1,490	SF	\$ 2	\$2,980
gazebo removal	1	LS	\$ 5,000	\$5,000
earthwork and grading	1	ALLOW	\$ 6,000	\$6,000
asphalt paving	97	SY	\$ 34	\$3,298
brick pavers	474	SF	\$ 12	\$5,688
band shell	1	LS	\$ 30,000	\$30,000
band shell installation	1	50.0%	\$ 15,000	\$15,000
band shell footings	1	LS	\$ 5,000	\$5,000
electrical service	1	LS	\$ 5,000	\$5,000
				Subtotal: \$ 84,161

Other Project Costs

Contractor General Conditions (%)	1	LS	8.0%	\$6,733
Design Contingency (%)	1	LS	15%	\$12,624
Bid and Construction Contingency (%)	1	LS	15%	\$12,624
Escalation	1	LS	3%	\$2,525
				Subtotal: \$ 34,506
				Shade Sails \$ 118,667

Game Tables and Dining Area

Description	Qty.	Unit	Unit Cost	Extended Cost
earthwork and grading	1	ALLOW	\$ 5,000	\$5,000
concrete paving	35	SF	\$ 34	\$1,190
brick pavers	744	SF	\$ 16	\$11,904
game tables	2	EA	\$ 1,500	\$3,000
picnic tables	3	EA	\$ 1,500	\$4,500
				Subtotal: \$ 25,594

Other Project Costs

Contractor General Conditions (%)	1	LS	8.0%	\$2,048
Design Contingency (%)	1	LS	15%	\$3,839
Bid and Construction Contingency (%)	1	LS	15%	\$3,839
Escalation	1	LS	3%	\$768
				Subtotal: \$ 10,494
Game Tables and Dining Area Total: \$				36,088

Multipurpose/ Festival Space

Description	Qty.	Unit	Unit Cost	Extended Cost
earthwork and grading	1	ALLOW	\$ 5,000	\$5,000
turf seed and blanket	1,200	SY	\$ 4	\$4,800
electrical and lights	1	LS	\$ 30,000	\$30,000
electrical service upgrade (panel, conduit, wiring)	1	LS	\$ 5,000	\$5,000
				Subtotal: \$ 44,800

Other Project Costs

Contractor General Conditions (%)	1	LS	8.0%	\$3,584
Design Contingency (%)	1	LS	15%	\$6,720
Bid and Construction Contingency (%)	1	LS	15%	\$6,720
Escalation	1	LS	3%	\$1,344
				Subtotal: \$ 18,368
Multipurpose/ Festival Space Total: \$				63,168

Walking Path and Seating Area

Description	Qty.	Unit	Unit Cost	Extended Cost
remove existing asphalt path	5,576	SF	\$ 2	\$11,152
site furnishing removal (benches, fountains)	1	ALLOW	\$ 2,000	\$2,000
cutting and patching	1	ALLOW	\$ 2,500	\$2,500
earthwork and grading	1	ALLOW	\$ 5,000	\$5,000
asphalt paving	398	SY	\$ 34	\$13,532
brick pavers	271	SF	\$ 16	\$4,336
				Subtotal: \$ 38,520

Other Project Costs

Contractor General Conditions (%)	1	LS	8.0%	\$3,082
Design Contingency (%)	1	LS	15%	\$5,778
Bid and Construction Contingency (%)	1	LS	15%	\$5,778
Escalation	1	LS	3%	\$1,156
				Subtotal: \$ 15,793
Walking Path and Seating Area Total: \$				54,313

Site Furnishings

Description	Qty.	Unit	Unit Cost	Extended Cost
bench	3	EA	\$ 1,500	\$4,500
water fountain	1	EA	\$ 15,000	\$15,000
				Subtotal: \$ 19,500

Other Project Costs

Contractor General Conditions (%)	1	LS	8.0%	\$1,560
Design Contingency (%)	1	LS	15%	\$2,925
Bid and Construction Contingency (%)	1	LS	15%	\$2,925
Escalation	1	LS	3%	\$585
				Subtotal: \$ 7,995
Site Furnishings Total: \$				27,495

Native Planting Rain Garden

Description	Qty.	Unit	Unit Cost	Extended Cost
native plantings	700	SY	\$ 8	\$5,600
management	1	YEAR	\$ 2,500	\$2,500
				Subtotal: \$ 8,100
Other Project Costs				
Contractor General Conditions (%)	1	LS	8.0%	\$648
Design Contingency (%)	1	LS	15%	\$1,215
Bid and Construction Contingency (%)	1	LS	15%	\$1,215
Escalation	1	LS	3%	\$243
				Subtotal: \$ 3,321
Native Planting Rain Garden Total:				\$ 11,421

Interpretive Sign

Description	Qty.	Unit	Unit Cost	Extended Cost
sign at rain garden	1	EA	\$ 1,200	\$1,200
				Subtotal: \$ 1,200
Other Project Costs				
Contractor General Conditions (%)	1	LS	8.0%	\$96
Design Contingency (%)	1	LS	15%	\$180
Bid and Construction Contingency (%)	1	LS	15%	\$180
Escalation	1	LS	3%	\$36
				Subtotal: \$ 492
Interpretive Sign Total:				\$ 1,692

Landscape and Temporary Controls

Description	Qty.	Unit	Unit Cost	Extended Cost
shade tree	5	EA	\$ 600	\$3,000
ornamental tree	0	EA	\$ 500	\$0
planting beds (shrubs and perennials)	1,200	SF	\$ 8	\$9,600
mulch	65	CY	\$ 45	\$2,925
<i>Temporary controls</i>				
silt fence	1,000	LF	\$ 5	\$5,000
stabilized construction entry	1	ALLOW	\$ 1,000	\$1,000
inlet protection	1	ALLOW	\$ 1,000	\$1,000
tree protection fence	5	EA	\$ 100	\$500
construction fence	275	LF	\$ 7	\$1,925
tree removal and relocation	1	ALLOW	\$ 2,500	\$2,500
memorial plaque salvage	1	ALLOW	\$ 1,000	\$1,000
				Subtotal: \$ 28,450
Other Project Costs				
Contractor General Conditions (%)	1	LS	8.0%	\$2,276
Design Contingency (%)	1	LS	15%	\$4,268
Bid and Construction Contingency (%)	1	LS	15%	\$4,268
Escalation	1	LS	3%	\$854
				Subtotal: \$ 11,665
Landscape and Temporary Controls Total:				\$ 40,115

Total Construction Cost:	\$ 898,841
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OSLAD Grant Phase 1 - OSLAD Format for DOC-4 / Development Data Worksheet

Development Item	Cost	Adjusted
Playground	\$ 249,108	\$ 249,100
Picnic Shelter	\$ 63,371	\$ 63,400
Splash Pad	\$ 233,404	\$ 233,400
Bandshell	\$ 118,667	\$ 118,700
Game Tables and Dining Area	\$ 36,088	\$ 36,100
Multipurpose/ Festival Space	\$ 63,168	\$ 63,200
Walking Path and Seating Area	\$ 54,313	\$ 54,300
Site Furnishings	\$ 27,495	\$ 27,500
Native Planting Rain Garden	\$ 11,421	\$ 11,400
Interpretive Sign	\$ 1,692	\$ 1,700
Landscape and Temporary Controls	\$ 40,115	\$ 40,100
CPA Reporting Costs	\$ 1,500	\$ 1,500
A/E Design Fees (survey, design, engineering, soils)	\$ 107,861	\$ 107,900
Potential Archaeological Survey / Testing Services	\$ 2,500	\$ 2,500
Total Estimated Cost		\$ 1,010,800