CITY CLERK DEPT.
2016 APR 14 AM 10:17

RESOLUTION

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO:

That the City Manager be authorized to sign a Second Amendment to the Standard Form of Agreement known as the "Design-Build Amendment", for a project known as **"Spray Parks-Phase 1 2016-268R"**, to establish the Contract Sum with a Guaranteed Maximum Price of $2,169,400.00 for the Sue Young, Grandview, and Hidden Valley Parks and to accept and incorporate the Design-Build Proposal into the Agreement which establishes the Contract Time, and the agreed upon design documents; that the City Manager be authorized to establish the funding sources and make any necessary budget transfers and execute any and all documents necessary for execution of this agreement.

ADOPTED THIS _____ DAY OF _____ 2016.

CITY OF EL PASO:

_____
Oscar Leeser, Mayor

ATTEST:

_____
Richarda Duffy Momsen, City Clerk

APPROVED AS TO FORM:

Sol M. Cortez
Assistant City Attorney

APPROVED AS TO CONTENT

FOR ML
Monica Lombraña, A.A.E., Director
Capital Improvement Departmen

15-1004-630/PL#527187
Design-Build Amendment (Second Amendment)
Black Stallion Contractors (Spray Parks –Phase 1)/SMC

THE STATE OF TEXAS	)	**SECOND AMENDMENT, "DESING-BUILD AMENDMENT" TO THE STANDARD FORM OF AGREEMENT BETWEEN OWNER AND DESIGN BUILDER FOR SPRAY PARKS PHASE 1 2016-268R) FOR THE SUE YOUNG, GRANDVIEW, AND HIDDEN VALLEY PARKS**
	)	
	)	
	)	
	)	
	)	
COUNTY OF EL PASO	)	

This Second Amendment "Design-Build Amendment" to that certain Standard Form of Agreement between Owner and Design-Builder is made this _____ day of _____, 2016, by and between the City of El Paso, a Texas municipal corporation (the "***Owner***"), and Black Stallion, Contractors, Inc., (the "**Design-Builder** " or "**Black Stallion"**).

WHEREAS, on February 23, 2016, the Owner entered into an Standard Form of Agreement Between Owner and Design-Builder (the "***Agreement***") with the Design-Builder for a Project known as "**Spray Parks-Phase 1**" (the "***Project***"); and

WHEREAS, on March 8, 2016, the Owner entered into the First Amendment to the Standard Form of Agreement to proceed with construction work related to the infrastructure of the Project prior to the execution of the Design-Build Amendment for an amount not to exceed $456,495.00; and

WHEREAS, the Agreement included Exhibit 4- Design Builder's Evaluation of Owner's Criteria, Exhibit 5-Preliminary Design Submitted to Owner and Design-Builder, Exhibit 7-Guaranteed Maximum Price Exhibit ("Exhibits") as "TBD"; and

WHEREAS, the parties desire to revise the Exhibits originally labeled as TBD in the Agreement to read as attached hereto as Attachment "A", which are hereby incorporated to the Agreement; and

WHEREAS Section 4.04 of Agreement contemplates the delivery of a Design-Builder's Proposal to the City; and

WHEREAS, Section 4.04 of the Agreement requires that said proposal contain certain representations and documentation; and

WHEREAS, Section 4.04 of the Agreement provides that in the event the City timely accepts the Design-Builder's Proposal, this Design-Build Amendment shall be executed; and

WHEREAS, Design-Builder has delivered a Design-Builder's Proposal to the City for the Sue Young, Grandview, and Hidden Valley Parks; and

WHEREAS, the City desires to accept the Design-Builder's Proposal for the Sue Young, Grandview, and Hidden Valley Parks, subject to any amendments or revisions as set forth below; and

WHEREAS, the parties desire to enter into this Second Amendment "Design-Build Amendment" which amends the Agreement Between the Owner and Design-Builder and establishes a Guaranteed Maximum Price ("GMP") for construction and time for completion of construction for the Sue Young, Grandview, and Hidden Valley Parks.

NOW THEREFORE, in consideration of the mutual promises set forth in this Amendment and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree to modify and amend the Standard Form of Agreement as follows:

1. The City hereby accepts the Design-Builder's Proposal for the Sue Young, Grandview, and Hidden Valley Parks submitted by Black Stallion dated, April 13, 2016, for the a true and complete copy of which is attached hereto and incorporated herein by reference, marked as Attachment "B".

2. Black Stallion's GMP for the Cost of the Work for the Sue Young, Grandview, and Hidden Valley Parks is Two Million One Hundred Sixty Nine Thousand Four Hundred and 00/100 dollars ($2,169,400.00), subject to additions and deductions by Change Order as provided in the Contract Documents. As agreed by the City and Black Stallion, the GMP is an amount that the Cost of the Work shall not exceed, and is based on and detailed in Attachment "B".

3. The Design Builders' Fee for the Construction of the Work is hereby established in the sum of Forty Three Thousand Three Hundred Eighty Eight and 00/100 dollars ($43,388.00), based on the product of 2% multiplied by the Cost of the Work, and said sum is included within the above stated GMP.

4. The General Conditions expenses for the construction of the Work are hereby established in the sum of One Hundred Six Thousand Nine Hundred Fifty Nine and 00/100 dollars ($106,959.00), and said sum is included in the above stated GMP. Black Stallion acknowledges and agrees that the City shall have no liability for any General Condition expenses beyond payment of the above noted amount and Black Stallion agrees that it shall not be entitled to receive any additional compensation from the City for the General Conditions beyond this amount unless expressly adjusted by a Change Order.

5. The City has established a contingency fund in the sum of Two Hundred Sixteen Thousand Nine Hundred Forty and 00/100 dollars ($216,940.00) for this Project. Black Stallion has no right or entitlement to the contingency fund and use of such funds are subject to the prior written

approval and issuance of a Change Order by the City. Any contingency funds remaining at the completion of the Project will be credited from the GMP.

6. Pursuant to the terms of the Agreement, the Project (or the specific phase identified therein and to which this Amendment applies) will be Substantially Complete as follows:

- Sue Young Park- within 100 calendar days after the issuance of the Notice to Proceed.
- Grandview Park- within 155 calendar days after the issuance of the Notice to Proceed.
- Hidden Valley Park- within 193 calendar days after the issuance of the Notice to Proceed.

In the event this Amendment applies to a phase of the Project, the entire Project must nevertheless be Substantially Complete within 193 calendar days after issuance of the first Notice to Proceed with construction.

7. Except as modified herein, the terms and conditions of the Agreement remain unchanged and in full force and effect. In the event of a conflict between the terms of this Amendment and those of the Agreement, the City and Black Stallion agree that the terms of this Amendment shall take precedence.

(Signatures Begin on the Following Page)

WITNESS THE FOLLOWING SIGNATURES AND SEALS:

THE CITY OF EL PASO

_____
Tomás González,
City Manager

DESIGN-BUILDER
Black Stallion, Contractors, Inc.,

By: _____

APPROVED AS TO FORM:

Sol M. Cortez
Assistant City Attorney

APPROVED AS TO CONTENT:

_____
Monica Lombraña, A.A.E., Director
Capital Improvement Department

ATTACHMENT "A"- Revised Exhibits

Exhibit 4-Design Builder's Evaluation of Owner's Criteria

SPRAY PARKS

PHASE I
DESIGN – BUILD

SOLICITATION No. 2016-268R

Black Stallion
Contractors Inc.

TEAM

Hector Luna – Black Stallion Contractors Inc. - President/CEO
Jesus Luna – Black Stallion Contractors Inc. - Civil Engineer
Eric Andrade – Black Stallion Contractors Inc. – Operations Officer
Karla Soto – Black Stallion Contractors Inc. – CFO

Amy Koch – Vortex Aquatic Structures, INTL. – Designer / Project Manager

Federico (Fred) Perez – Artchitecture – Architect
J. Ernesto Licon – Artchitecture – Architect

Sergio j. Adame – Brock & Bustillos Inc. – P.E

David Parra – Greenway Studio LLC – Landscape Architect

Jose Bernal – Fluid Systems, Inc. – Mechanical Engineer

Gonzalo Aguilar – Gonzalo Aguilar Professional Engineer, Inc. – Electrical Engineer

artchitecture
architecture | planning | interior design

VORTEX

Black Stallion
Contractors Inc.

TEAM

SPRAY PARKS
PHASE I
SOLICITATION No. 2016-268R

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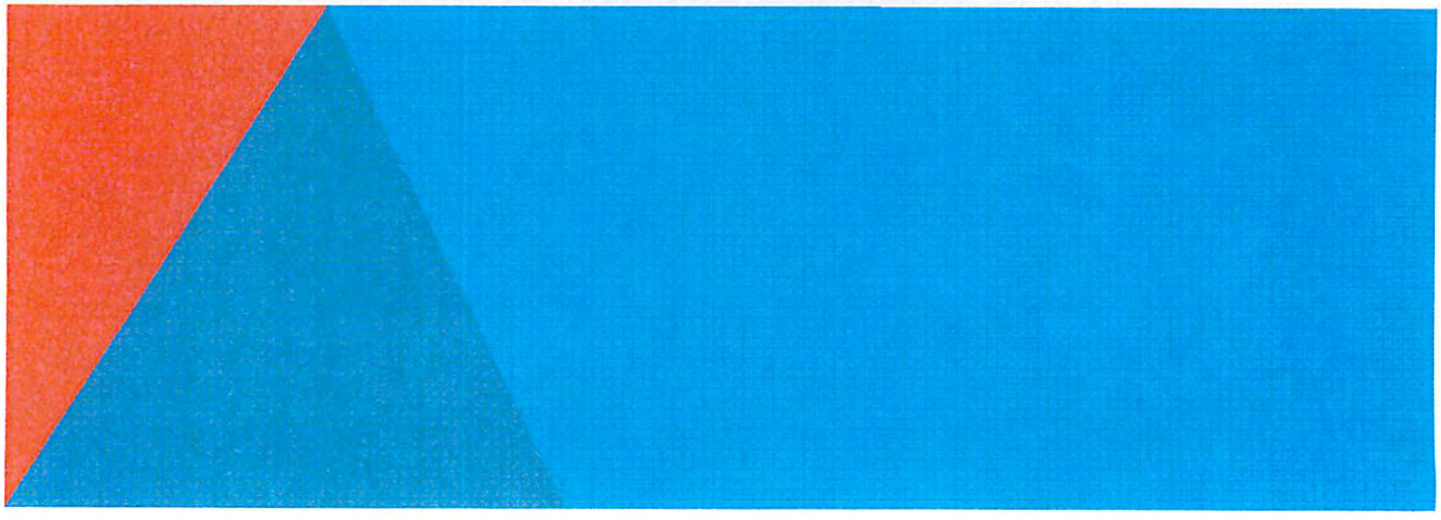
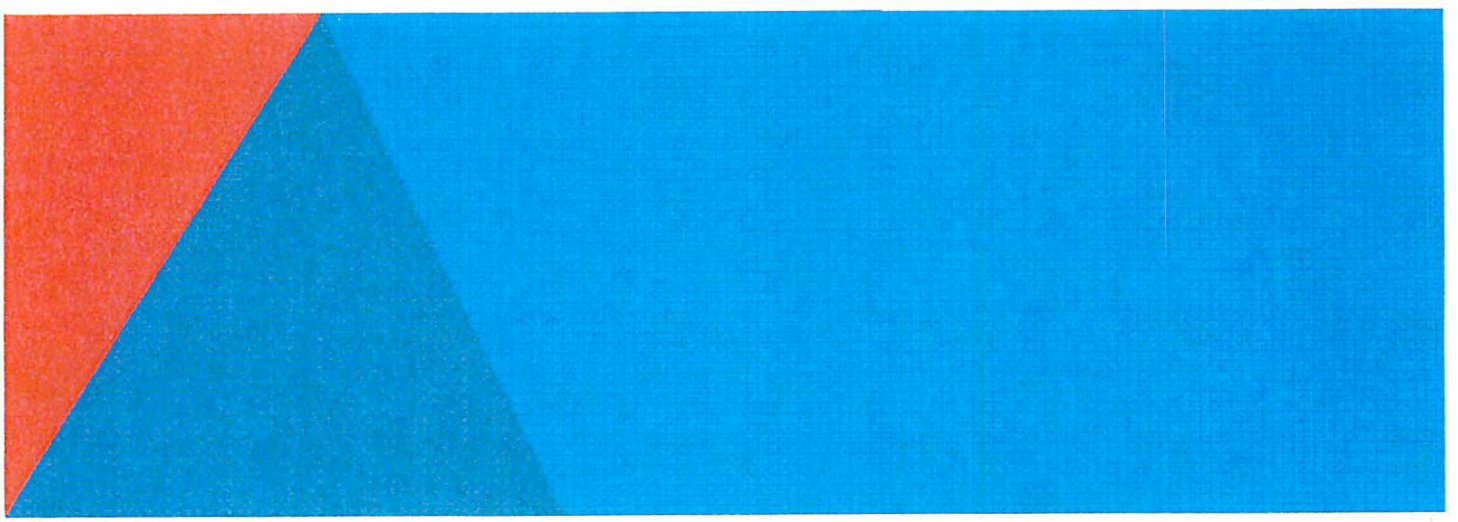
0040	PAVO REAL SPRAY PARK (PRIMARY COLORS)	13
0050	CONTROLLER SHELTER	2



SECTION 0010

SUE YOUNG SPRAY PARK
(SOCCER)



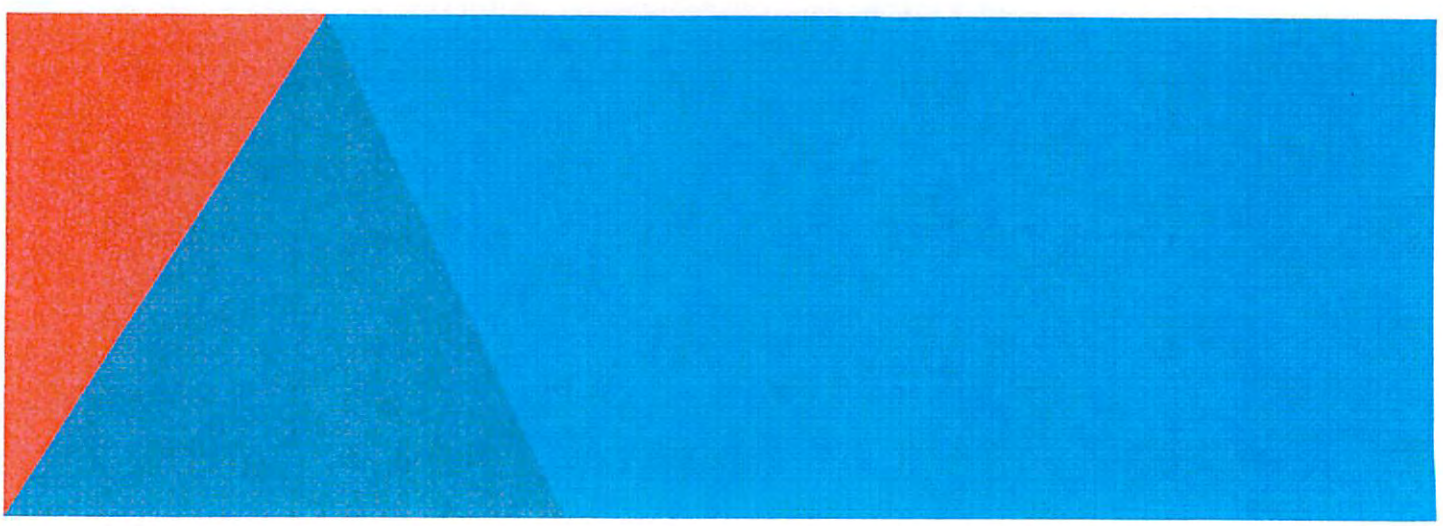
Sue Young Spray Park

(Soccer)

Spray area: 2949 SF

Scope Of Work :

- 25 – Spray park features
- Water splash pad
- Filtration system
- Spray controller station
- Concrete sidewalk to connect existing
- Utilities connections
- 2 – Decorative non-slip coating colors
- 4 – Surveillance LED lights W/ Concrete poles and satellite controller
- 2 – 16' x 16' Fabric shade canopies
- 2 – Picnic units
- 2 – ADA Picnic units
- 4 – Park benches
- 4 – Trash receptacles
- 14 – 4'' Caliper trees
- Modify irrigation system
- New sod in areas affected by construction



Sue Young Park Splashpad®, TX
Revision 02 - Soccer - 24733

View 1

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Sue Young Park Splashpad®, TX

Revision 02 - Soccer - 24733

View 2

VORTEX

Sue Young Park Splashpad®, TX
Revision 02 - Soccer - 24733

View 3

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Sue Young Park Splashpad®, TX
Revision 02 - Soccer - 24733

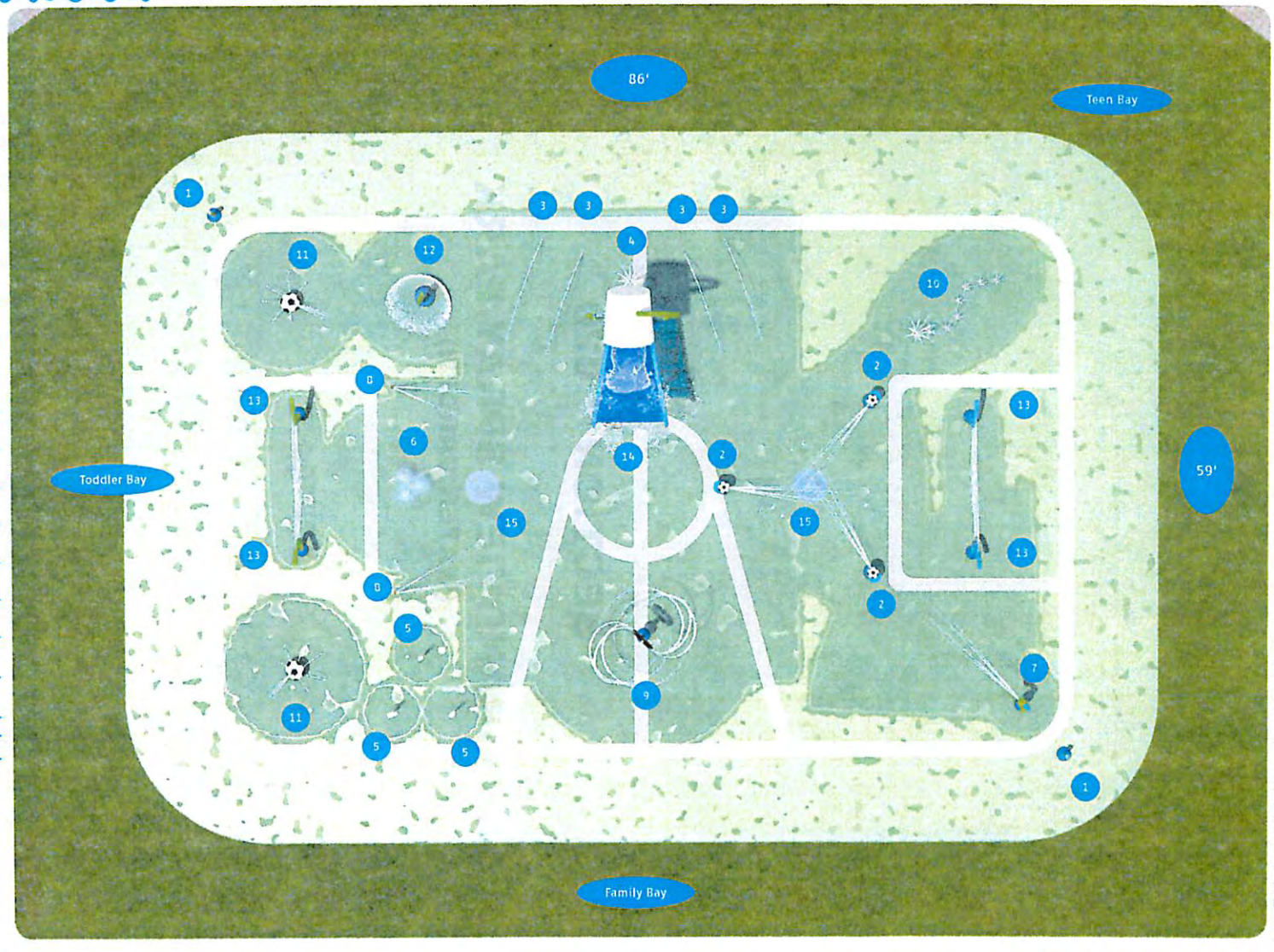
View 4

VORTEX

SPLASHPAD® COMPONENTS

Total Area : 4115 ft²
Spray Area : 2949 ft²

#	ITEM		GPM
1	Bollard Activator No3 VOR 611	2	n/a
2	Soccer Cannon VOR 0203	3	22.5
3	Directional Water Jet VOR 305	4	16
4	Ground Geyser VOR 301	1	7.5
5	Jet Stream VOR 7512	3	7.5
6	Magic Mist No2 VOR 8099	1	4.5
7	Perispray VOR 0533	1	6
8	Split Stream VOR 7516	2	15
9	Sunspray No1 VOR 7578	1	12.5
10	Team Spray No1 VOR 7640	1	17.5
11	Waterbug no3 VOR 7582	2	12
12	Silhouette No1 VOR 7772	1	14
13	Silhouette No3 VOR 7774	4	24
14	Super Splash 2 VOR 130	1	31.5
15	Playsafe Drain No1 VOR 1001.4000	2	n/a
		QTY	GPM
TOTAL WATER FLOW		29	190.5



Sue Young Park Splashpad®, TX

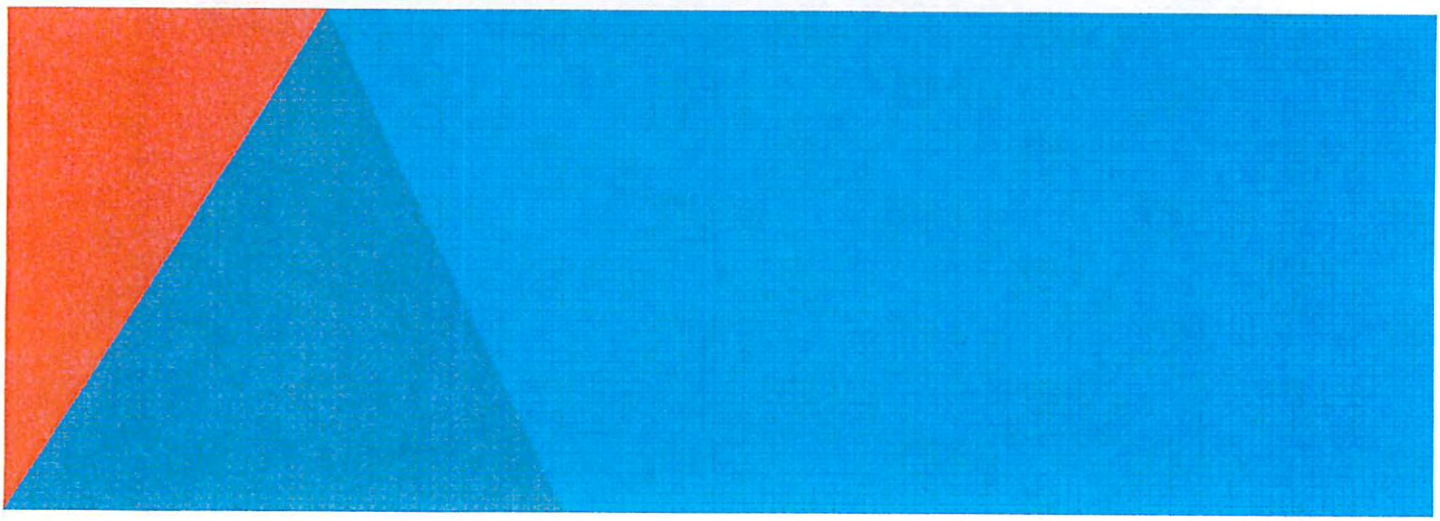
Revision 02 - Soccer - 24733

Top View Splashpad®

VORTEX

SECTION 0020

GRANDVIEW SPRAY PARK
(WATER GARDEN)



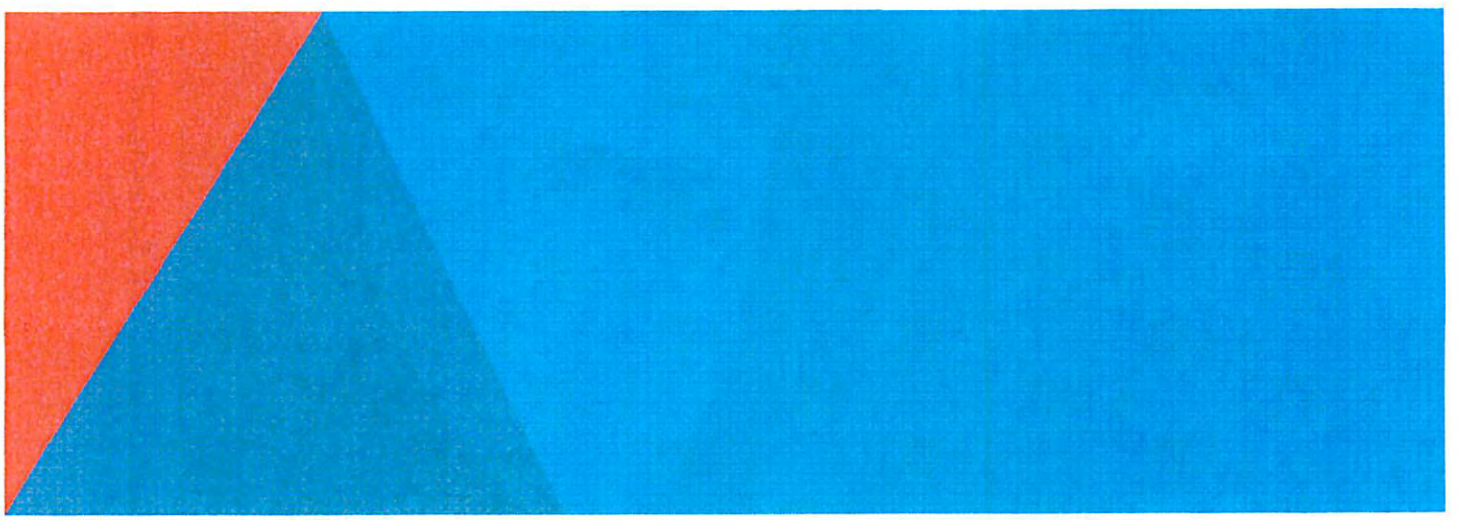
Grandview Spray Park

(Water Garden)

Spray area: 2926 SF

Scope Of Work :

- 29 – Spray park features
- Water splash pad
- Filtration system
- Spray controller station
- Concrete sidewalk to connect existing
- Utilities connections
- 2 – Decorative non-slip coating colors
- 12 – 4'' Caliper trees
- Irrigation modifications
- New sod in areas affected by construction



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Grandview Park Splashpad®, TX
Revision 00 - Phase 01 - 24729

View 1

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Grandview Park Splashpad®, TX
Revision 00 - Phase 01 - 24729

View 2

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Revision 00 - Phase 01 - 24729

View 3

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View 4

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Revision 00 - Phase 01 - 24729

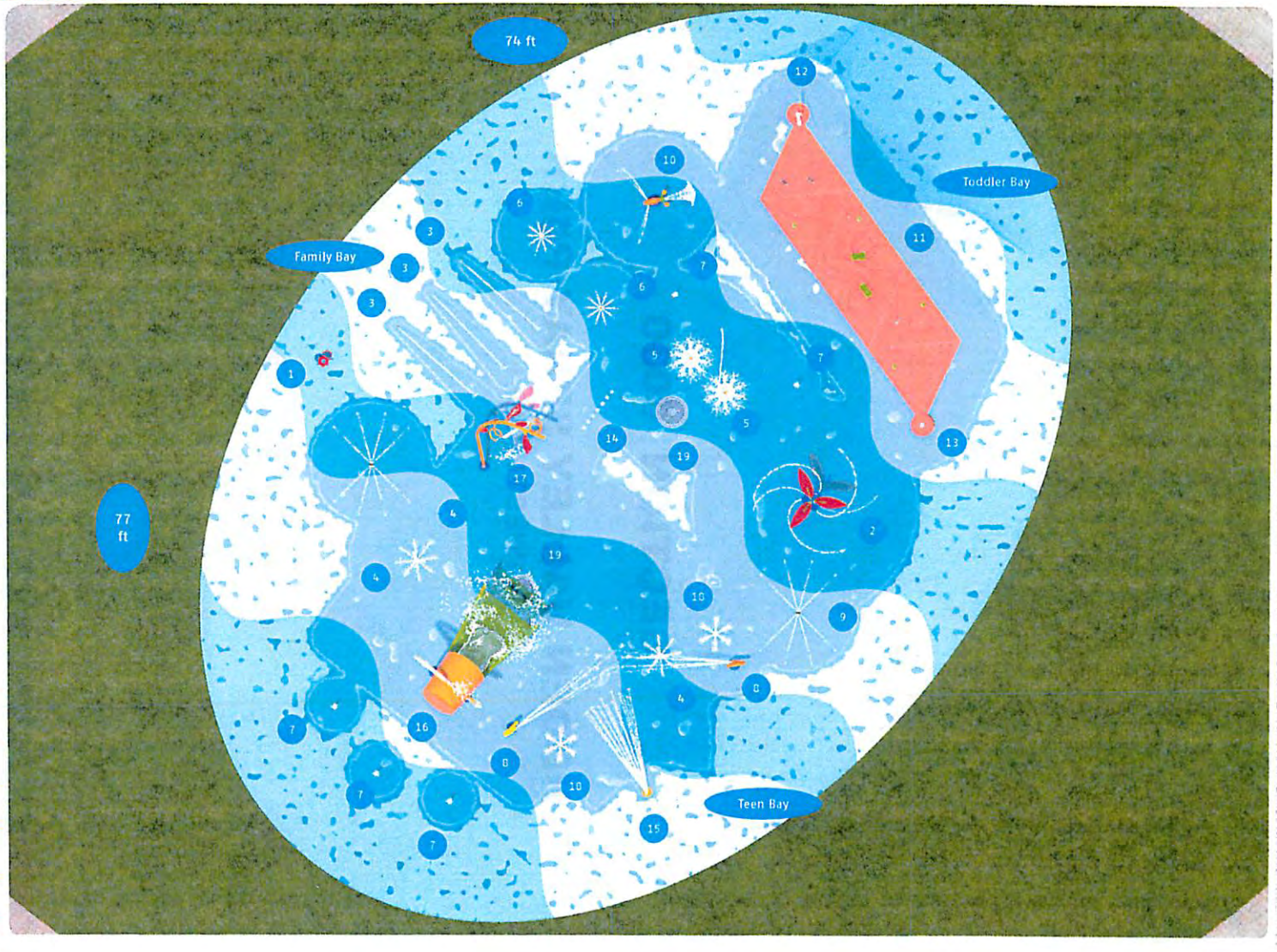
View 5

VORTEX

SPLASHPAD COMPONENTS

TOTAL AREA: 4221 ft²
SPRAY AREA: 2926 ft²

#	ITEM	QTY	GPM
1	Activator No1 VOR 612	1	n/a
2	Bloom no1 VOR 7486	1	8.5
3	Directional Water Jet VOR 305	3	7.5
4	Fountain Spray VOR 7513	2	10
5	Safeswap No17 VOR 55000.0800 VOR 49000.0356	2	30
6	Ground Geyser VOR 301	2	9
7	Jet Stream VOR 7512	5	12.5
8	Loop n°2 VOR 7553	2	8
9	Spidey Spray VOR 7517	2	17
10	Snail No4 VOR 7217	1	6.5
11	Water Journey - Races VOR 7121	1	2
12	Water Journey - Pump Basin VOR 7124	1	7.5
13	Water Journey - Drain Basin VOR 7126	1	0
14	Water Wall No1 VOR 318	1	11.5
15	Large Safeswap No1 VOR 55000.0430 VOR 49000.0385	1	13
16	Super Splash 2 VOR 130	1	31.5
17	Vine VOR 7784	1	5
18	Single pod spray VOR 7507	2	12
19	Playsafe drain No1 VOR 1001.4000	2	n/a
		QTY	GPM
TOTAL WATER FLOW		32	192



Grandview Park Splashpad®, TX

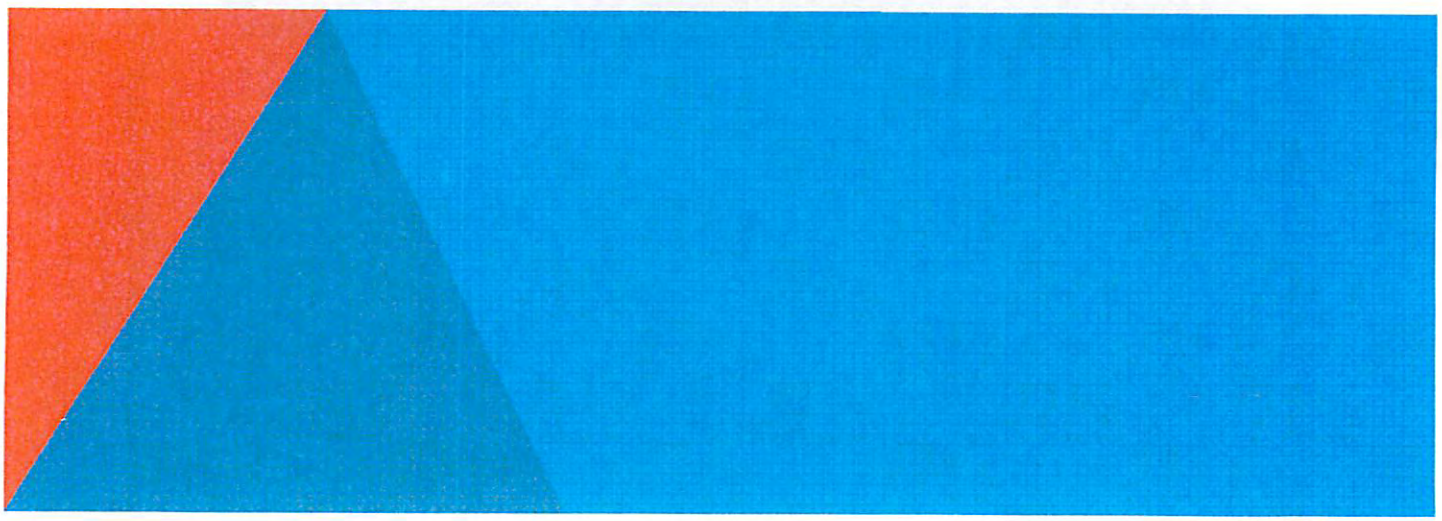
Revision 00 - Phase 01 - 24729

Top View Splashpad®

VORTEX

SECTION 0030

HIDDEN VALLEY SPRAY PARK
(WESTERN)



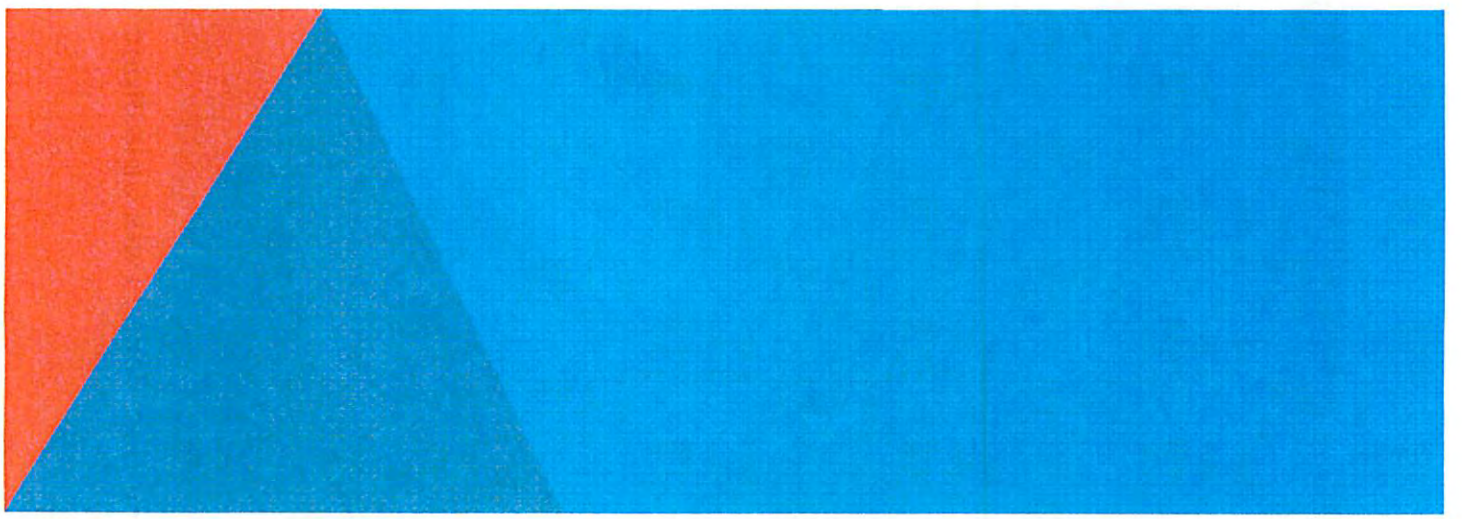
Hidden Valley Spray Park

(Western)

Spray area: 3416 SF

Scope Of Work :

- 24 – Spray park features
- Water splash pad
- Filtration system
- Spray controller station
- Concrete sidewalk to connect existing
- Utilities connections
- 2 – Decorative non-slip coating colors
- 15 – 4'' Caliper trees
- Irrigation modifications
- New sod in areas affected by construction



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Hidden Valley Park Splashpad®, El Paso, TX - Phase01
24725 - Revision 00

View 1

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24725 - Revision 00

View 2

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24725 - Revision 00

View 3

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24725 - Revision 00

View 4

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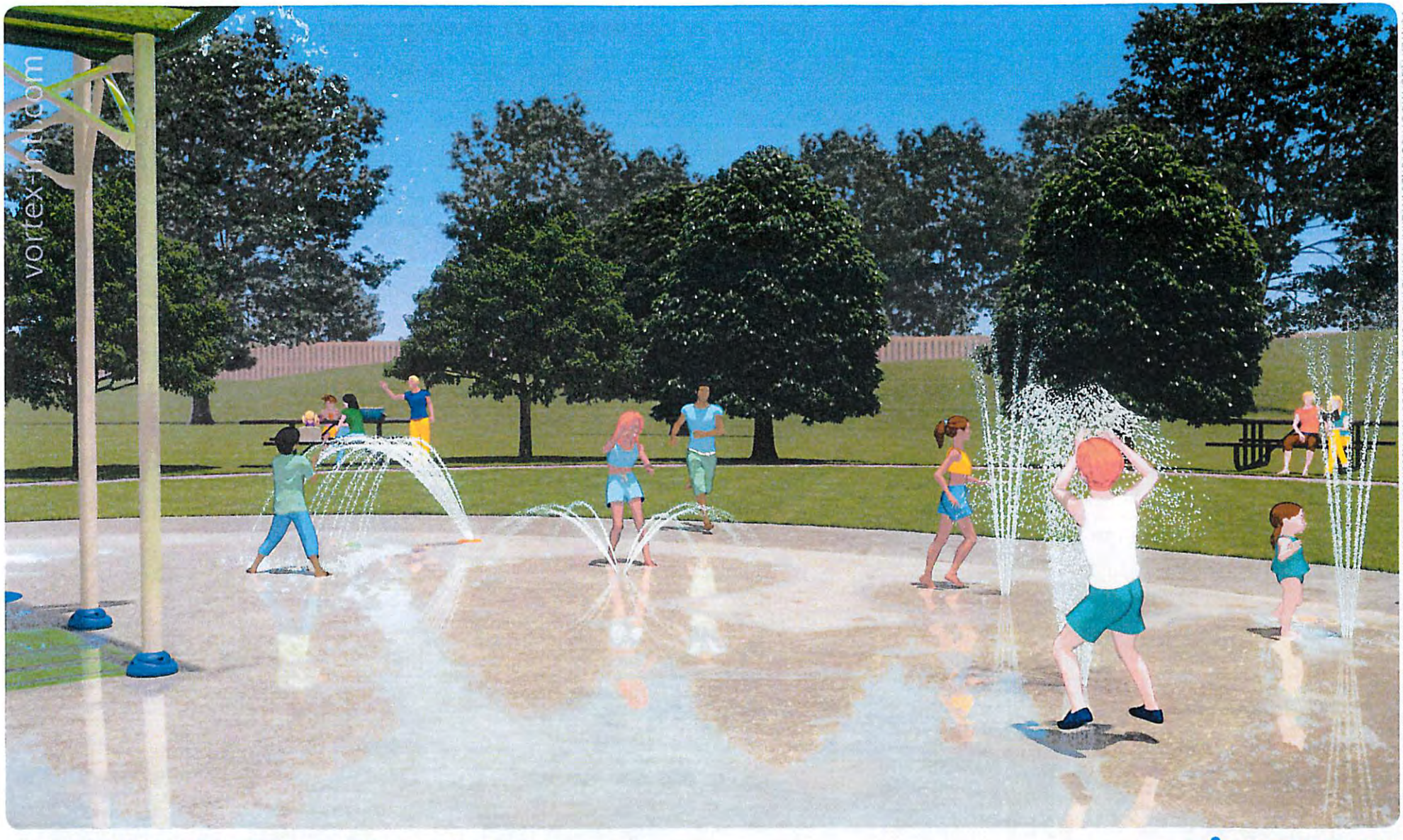

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Hidden Valley Park Splashpad®, El Paso, TX - Phase01

24725 - Revision 00

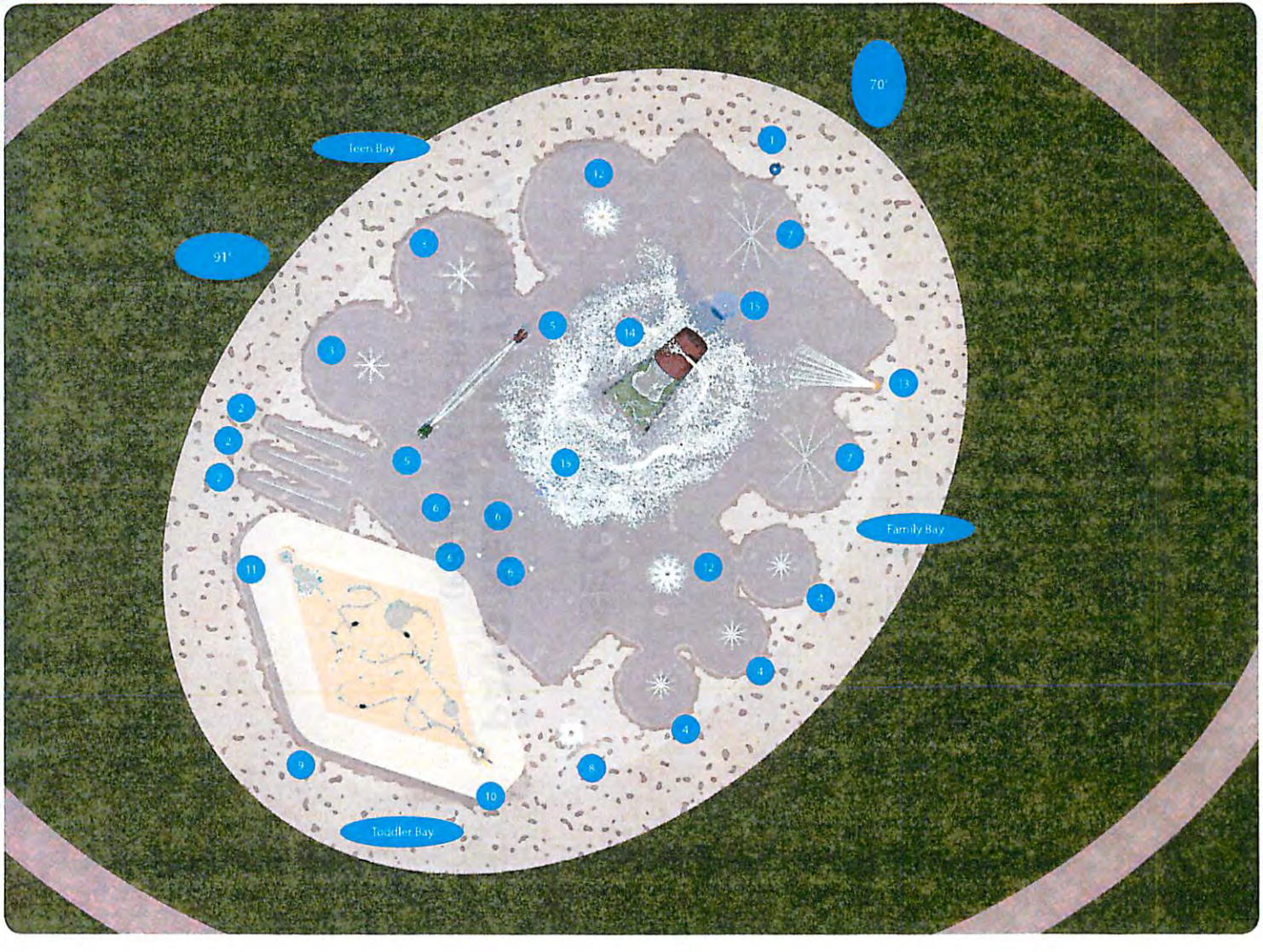
View 5

VORTEX

SPLASHPAD® COMPONENTS

Total Area: 5048ft²
Spray Area: 3416ft²

#	ITEM	QTY	GPM
1	Bollard Activator No3 VOR 611	1	n/a
2	Directional Water Jet VOR 305	3	12
3	Fountain Spray VOR 7513	2	10
4	Ground Geyser VOR 301	3	22.5
5	Horse Cannon VOR 210	2	15
6	Jet Stream VOR 7512	4	10
7	Spidey Spray No2 VOR 7674	2	17
8	Water Jelly No1 VOR 7010	1	11
9	Water Journey - Labyrinth VOR 7120	1	0
10	Water Journey - Pump Basin VOR 7124	1	7.5
11	Water Journey - Drain Basin VOR 7126	1	0
12	Safeswap No1 VOR-55000.0430 VOR-49000.0356R01	2	30
13	Safeswap No2 VOR-55000.0430 VOR-49000.0357R01	1	15
14	Super Splash 2 VOR 130	1	31.5
15	Playsafe Drain No1 VOR 1001.4000	2	n/a
		QTY	GPM
TOTAL WATER FLOW		27	181.5



Hidden Valley Park Splashpad®, El Paso, TX - Phase01

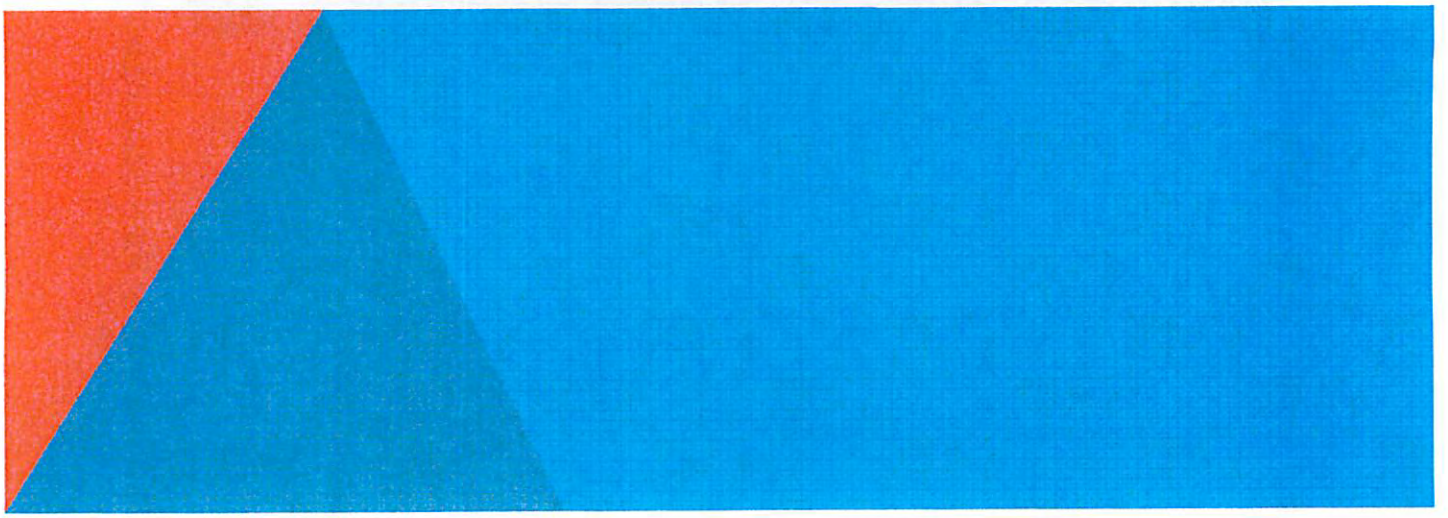
24725 - Revision 00

Top View Splashpad®

VORTEX

SECTION 0040

PAVO REAL SPRAY PARK
(PRIMARY COLORS)



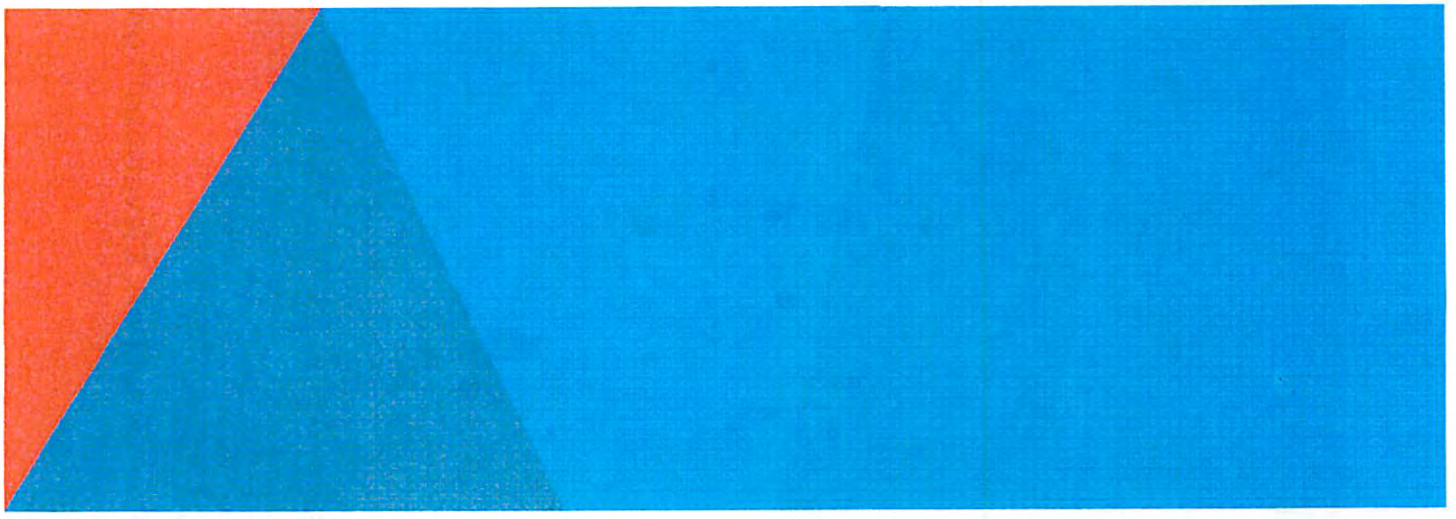
Pavo Real Spray Park

(Primary Colors)

Spray Area: 4030 SF

Scope Of Work :

- 24 – Spray park features
- Water splash pad
- Filtration system
- Spray controller station
- Concrete sidewalk to connect existing
- Utilities connections
- 2 – Decorative non-slip coating colors
- 4 – Surveillance LED lights W/ Concrete poles and satellite controller
- 2 – 16' x 16' Fabric shade canopies
- 2 – Picnic units
- 2 – ADA Picnic units
- 4 – Park benches
- 4 – Trash receptacles
- 14 – 4'' Caliper trees
- Irrigation modifications
- New sod in areas affected by construction



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Pavo Real Park Elevations™ on Splashpad®, TX

Revision 01 - Option 2 - 24541

View 1

VORTEX

Pavo Real Park Elevations™ on Splashpad®, TX
Revision 01 - Option 2 - 24541

View 2

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View 3

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View 4

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Revision 01 - Option 2 - 24541

View 5

VORTEX

SPLASHPAD- COMPONENTS

TOTAL AREA: 5350 ft²(498 m²)
SPRAY AREA: 4030 ft²(375 m²)

#	ITEM	QTY	GPM	LPM
1	Bollard Activator No2 VOR 7399	2	n/a	n/a
2	Fountain Spray VOR 7513	2	10	38
3	Ground Geyser VOR 301	2	9	34
4	Ground Gusher VOR 300	1	23.5	89
5	Jet Stream VOR 7512	5	12.5	47.5
6	Single Pod Spray VOR 7507	2	12	45.42
7	Loop n°1 VOR 7719	2	9	34
8	Team Spray No1 VOR 7640	1	17.5	66.3
9	Water Jelly No3 VOR 7032	1	32.5	123
10	Water Tunnel No2 VOR 309	2	20	75.8
11	Aqualien Rainforest No4 VOR 7300.0003	1	35	132.47
12	Aqualien No8 VOR 1355	1	35	132.47
13	Plux Arch VOR 7397	1	15	56.781
14	Silhouette No1 VOR 7772	1	14	54
15	Three Bells No1 VOR 7372	1	12	45.4
16	Waterbug No4 VOR 7661	1	24	90.8
17	Playsafe drain No1 VOR 1001.4000	3	n/a	n/a
		QTY	GPM	LPM
TOTAL WATER FLOW		29	281	1064.941

Pavo Real Park Elevations™ on Splashpad®, TX

Revision 01 - Option 2 - 24541

Top View Splashpad®

VORTEX

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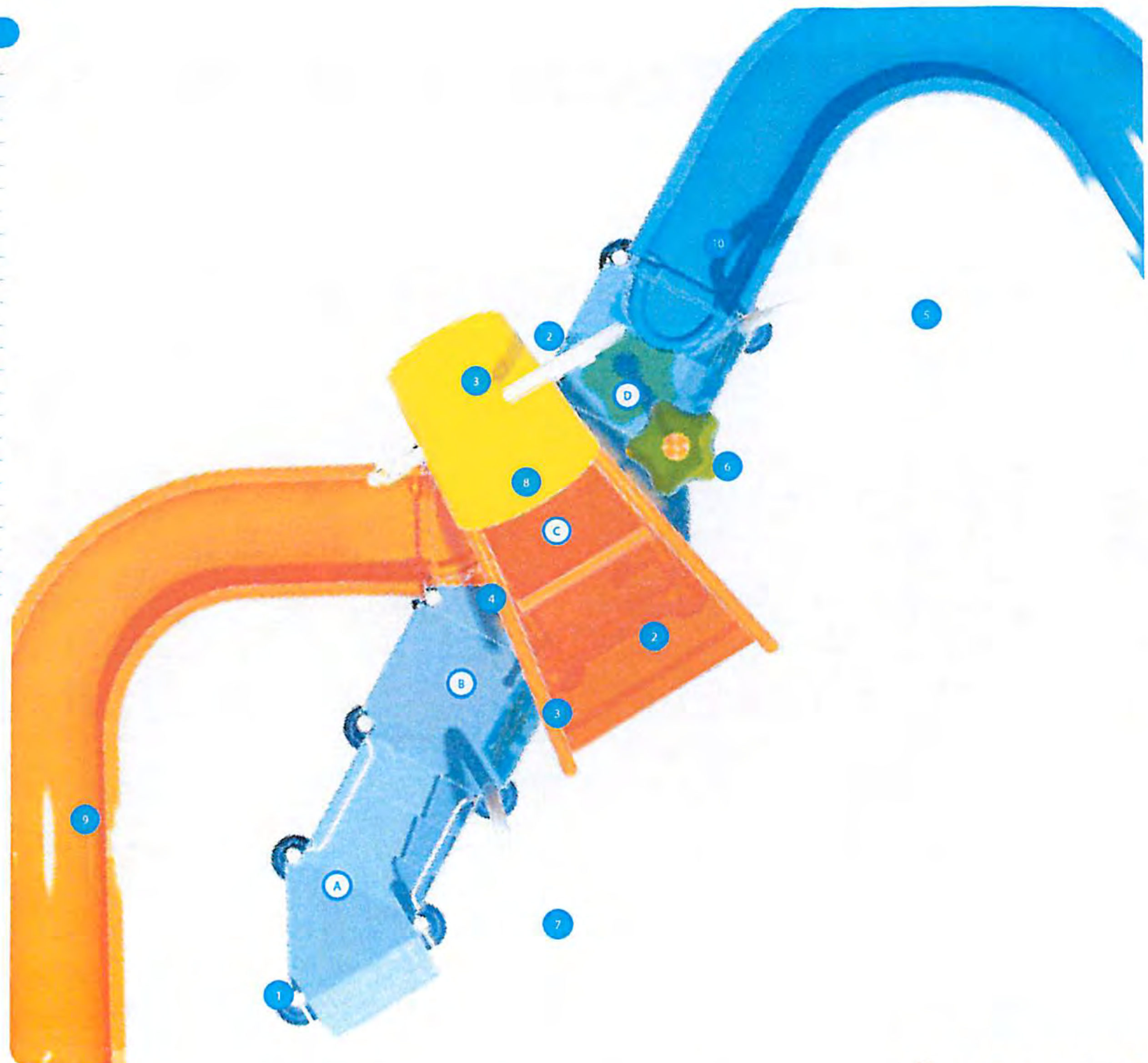
ELEVATIONS™ COMPONENTS

#	ITEM	QTY	TOTAL FLOW (GPM)	COLOR SHOWN
INTERACTIVE WATER PLAY FEATURES				
1	Aquadome	1	20	n/a
2	Orb Spray	2	40	Paint: Yellow
3	Spray Bar	2	40	Paint: Yellow
4	Deck Geysers	1	10	n/a
WATER PLAY FEATURES				
5	Seven Fall	1	40	Paint: Green
6	Water dome	1	40	Seeflow™: Green
7	Pipe Fall	1	60	Paint: Green
8	Super Splash	1	40	Paint: Yellow & Orange, Seeflow™ Orange
PLAY FEATURES				
9	Water Slide 90Deg	1	40	Fiberglass: Orange
10	Water Slide 120deg	1	40	Fiberglass: Yellow
Total Water Flow:		11	370 GPM (1401 LPM)	

	STRUCTURE COMPONENTS	QTY	TOTAL FLOW (GPM)	COLOR SHOWN
A	Entry 48"	1	n/a	Anti-slip Sky Blue
B	Square Deck 48" (+Manifold)	1	n/a	Anti-slip Sky Blue
C	Hex Deck 56" (+Manifold)	1	230	Anti-slip Sky Blue
D	Square Deck 64" (+Manifold)	1	140	Anti-slip Sky Blue
	Main Posts			Paint: Orange & Green
	Barrier Graphics			Tropical A&B



Pavo Real Park Elevations™ on Splashpad®, TX
Revision 01 - Option 2 - 24541

Top View Elevations™

VORTEX

ELEVATIONS™ COLOR CHOICES

VORTEX COLORS

*Outdoor features

DUMPING FLOWER

Colors as shown

Red Orange Yellow Green Blue

HANDLE SPHERE

Vortex colors

POLY SLIDES

Red Yellow Blue

SEEFLOW™

Red Orange Yellow Green Blue

TWIRLTEC™

Blue

FIBERGLASS WATER SLIDES

Vortex colors

DUMPING BELL

Red Yellow Blue

*Counterweight: Vortex colors

TOEGUARD™

Blue

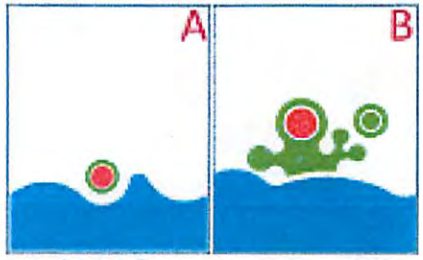
Pavo Real Park Elevations™ on Splashpad®, TX

Revision 01 - Option 2 - 24541

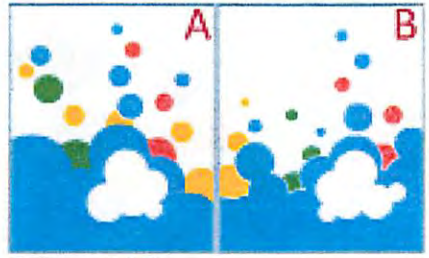
VORTEX

ELEVATIONS™ COLOR CHOICES

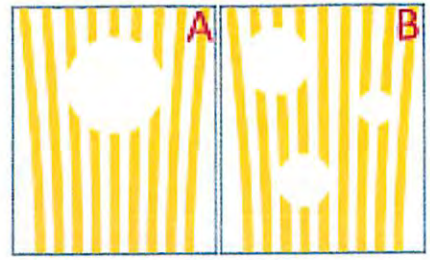
SEEFLOW™ BARRIER GAPHICS



SplashesA & B



Cartoon A & B



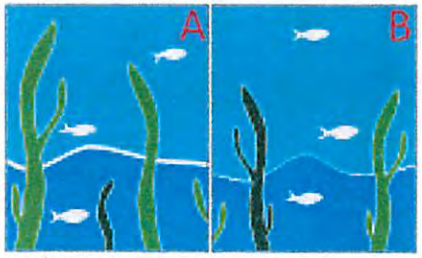
Beach cabana A & B (Yellow)


Red

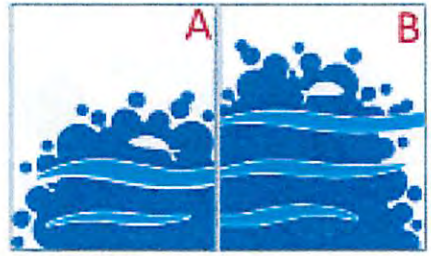

Orange


Green


Blue



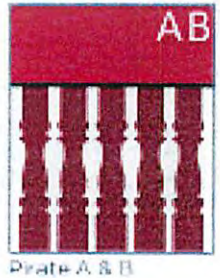
Undersea A & B



Ocean A & B

Jungle A & B

Wood A & B



Pirate A & B

Bamboo A & B

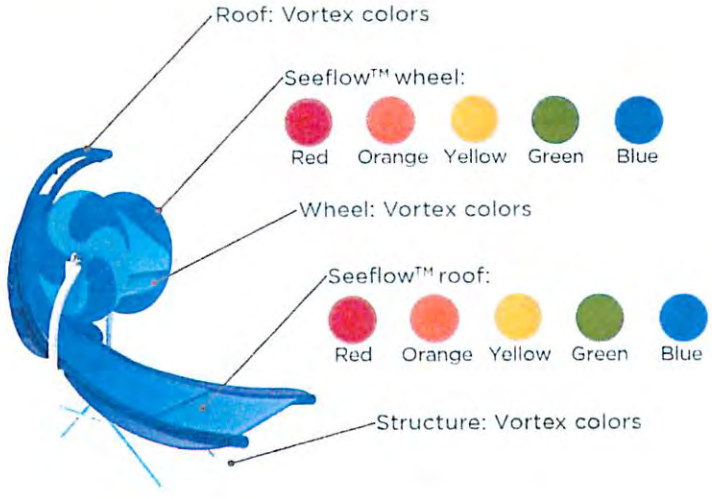
Grass A & B

Pavo Real Park Elevations™ on Splashpad®, TX
Revision 01 - Option 2 - 24541

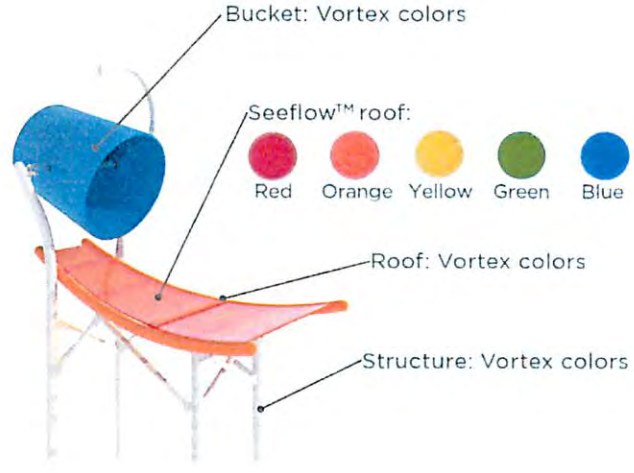
VORTEX

ELEVATIONS™ COLOR CHOICES

SUPERWAVE

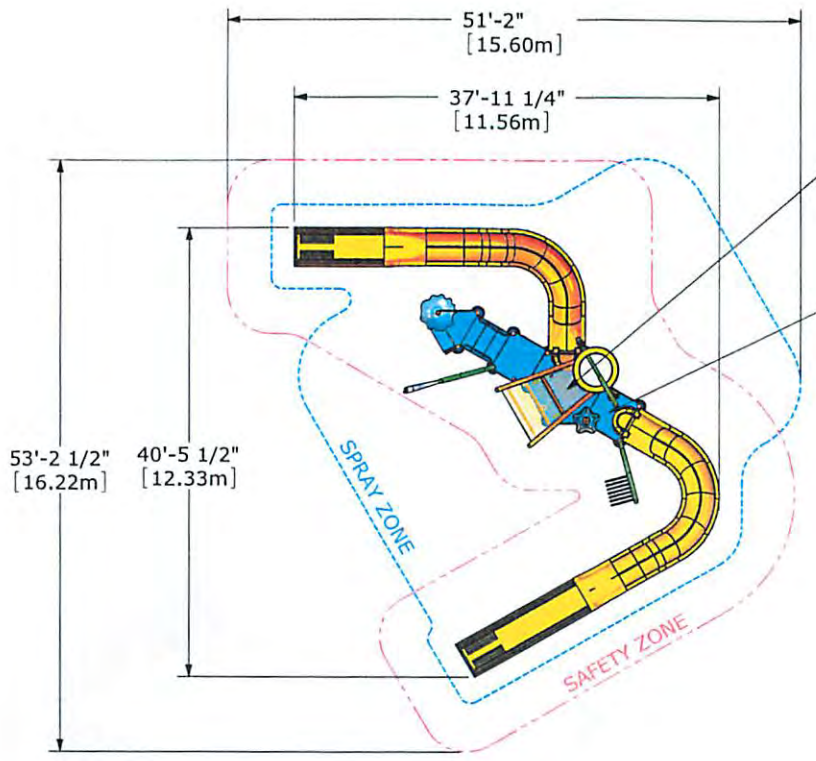


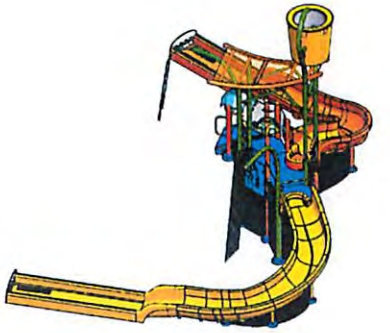
SUPERSPLASH



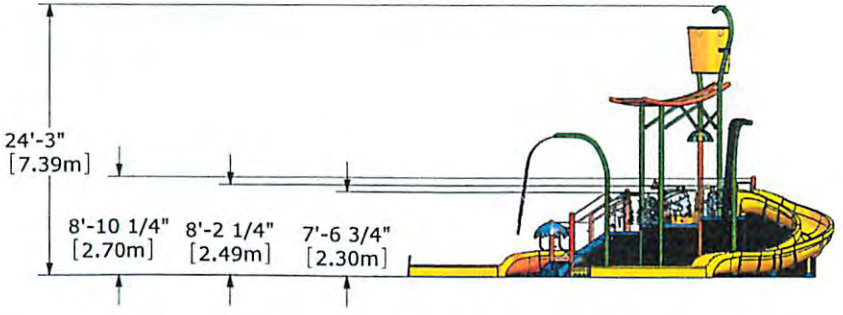
Pavo Real Park Elevations™ on Splashpad®, TX
Revision 01 - Option 2 - 24541

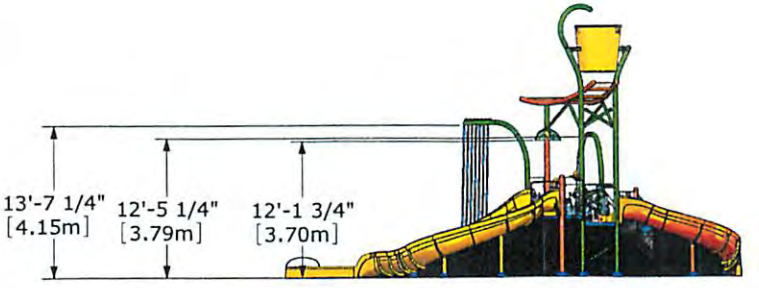
VORTEX





ELEVATIONS LEGEND
Nb. of water anchors=2
Nb. deck=3
Nb. interactive features=5
Nb. overhead features=4
Nb. water slides=2



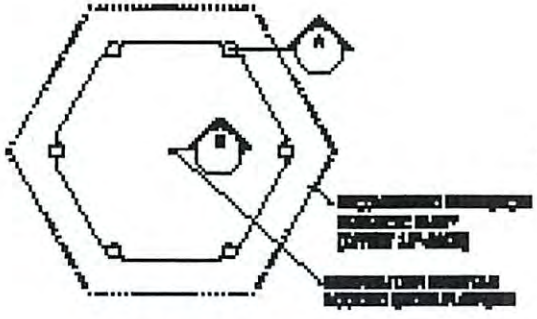


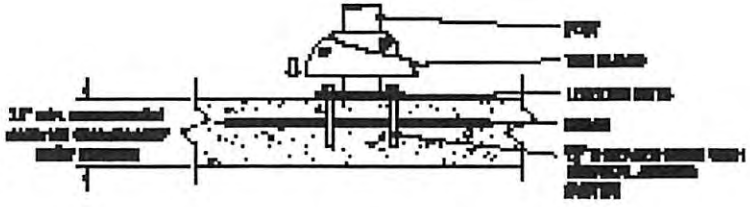
Pavo Real Park Elevations™ on Splashpad®, TX

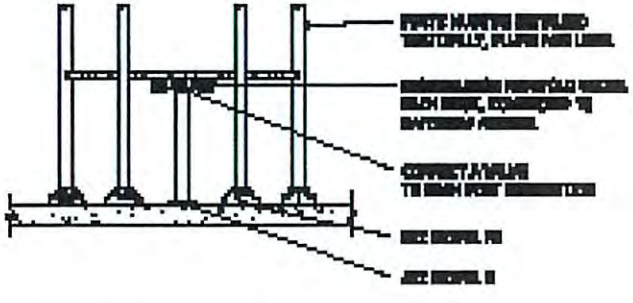
Revision 01 - Option 2 - 24541

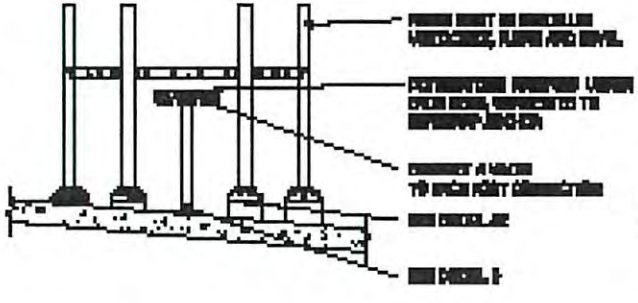
Elevations™ Overview

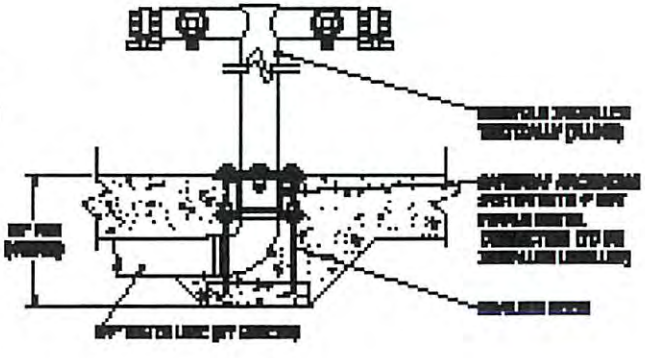
VORTEX











Pavo Real Park Elevations™ on Splashpad®, TX

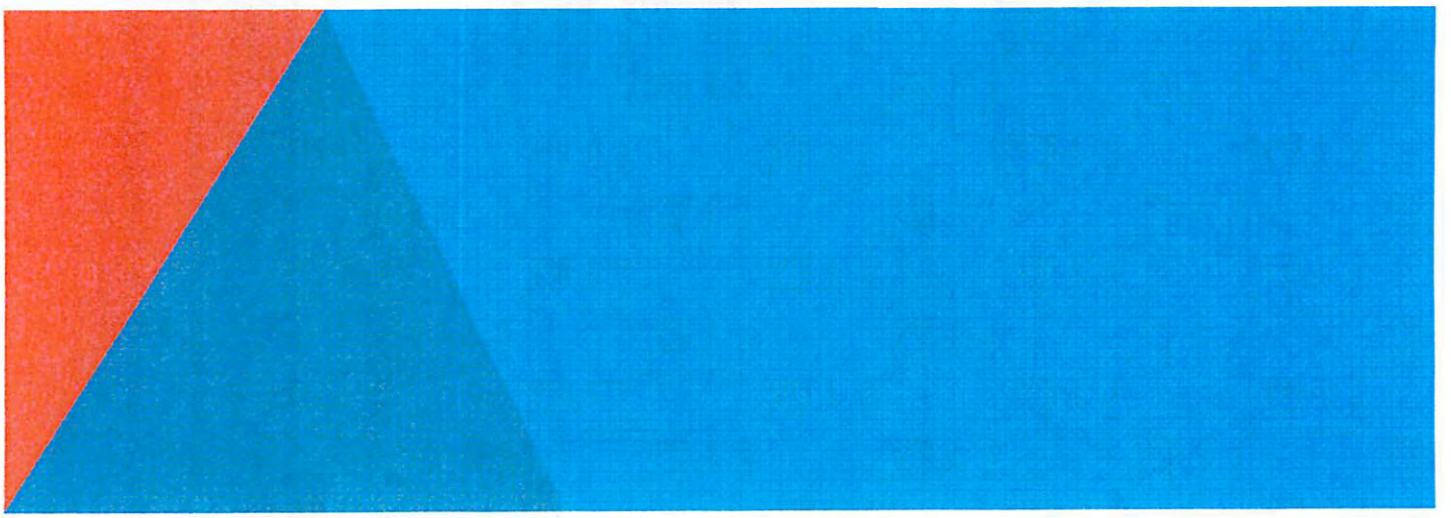
Revision 01 - Option 2 - 24541

Elevations™ Installation Overview

VORTEX

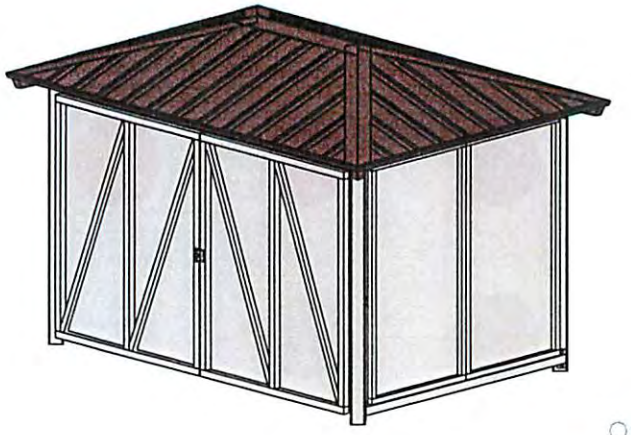
SECTION 0050

CONTROLLER SHELTER



VORTEX
more smiles per drop™

Available models



Option 1

Option 2

PROPOSED COLORS
To match our color system

Roofing color options

Sandstone | Charcoal | Tudor Brown

Frame color options

Ash Gray | Red Baron

Glacier White | Streak Blue

Note: Color selection applies to all models.

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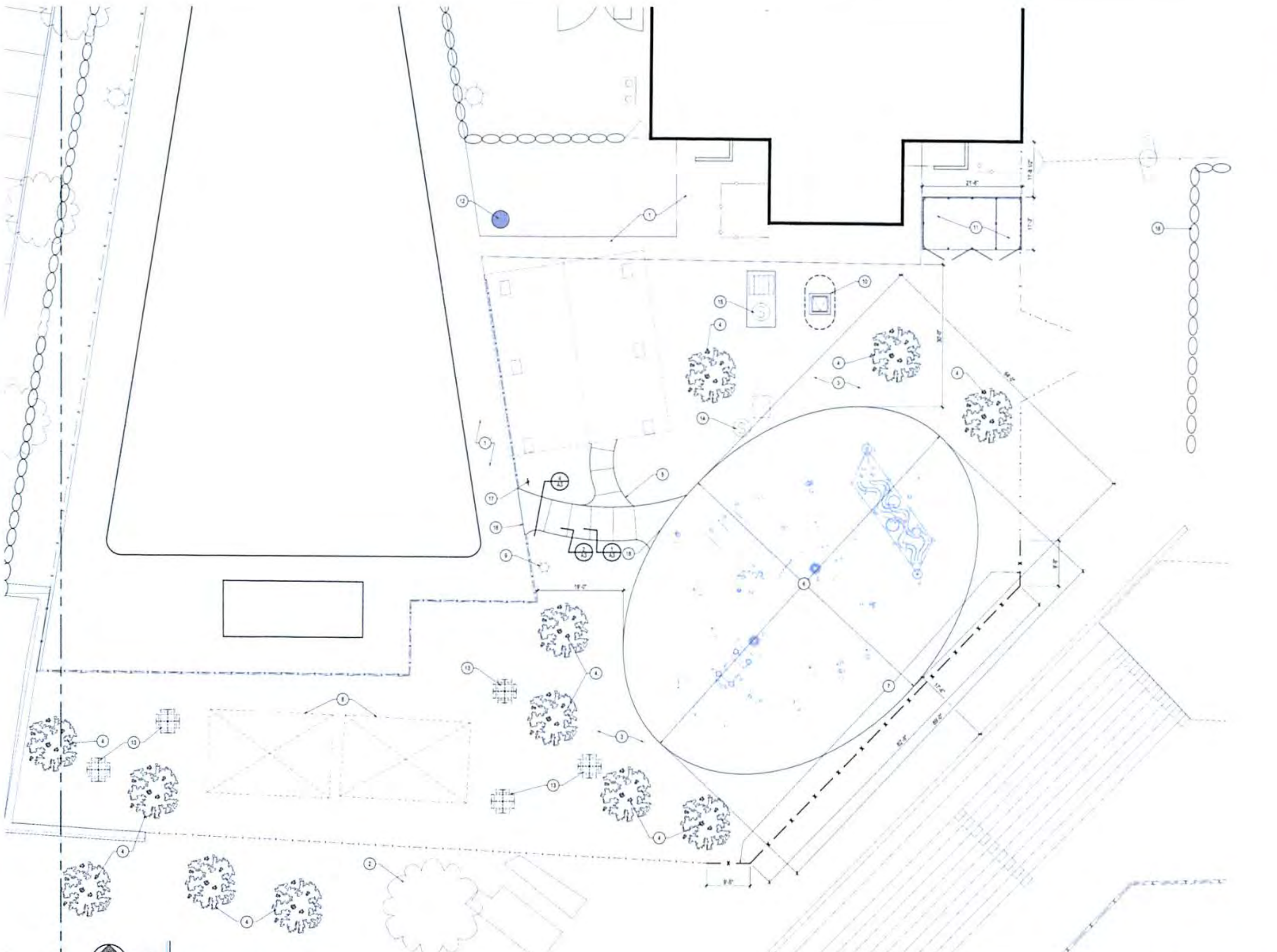
CUSTOM COLOR CHOICES

Roofing color options

Frame color options

Exhibit 5-Preliminary Design Submitted to Owner and Design-Builder



1 ENLARGED SITE PLAN

SCALE: 1"=10'-0"

KEYED NOTES:

1. EXISTING SIDEWALK TO REMAIN.
2. EXISTING TREES TO REMAIN.
3. PROVIDE NEW SOD. COORDINATE WITH LANDSCAPE PLANS.
4. NEW TREES. REFER TO LANDSCAPE PLANS FOR TYPE AND EXACT LOCATION.
5. NEW CONCRETE SIDEWALK. REFER TO DETAILS SHEET A3.
6. NEW SPLASH PAD. REFER TO DRAWINGS BY VORTEX.
7. NEW LOCATION OF SALVAGED CHAIN LINK FENCE. PROVIDE ADDITIONAL AS REQUIRED.
8. EXISTING FABRIC CANOPY TO REMAIN.
9. EXISTING LIGHT POLE TO REMAIN.
10. NEW 2,000G WATER TANK BY VORTEX.
11. NEW PRE MANUFACTURED CONTROL ROOM BY VORTEX.
12. EXISTING RINSE STATION TO REMAIN.
13. NEW LOCATION OF EXISTING PICNIC TABLES.
14. EXISTING MAN HOLE TO REMAIN.
15. EXISTING SAND TRAP TO REMAIN. REFER TO PLUMBING PLANS.
16. EXISTING ROCK WALL TO REMAIN.
17. LOCATION OF NEW PARK RULES SIGN. REFER TO DETAIL SHEET A3.
18. PROVIDE ½" EXPANSION JOINT W/ EXPANSION JOINT MATERIAL.

NOTE:
CONTRACTOR MUST FOLLOW THE "PARK DESIGN and CONSTRUCTION STANDARDS", IN ALL AREAS AND DURING ALL PHASES OF THE WORK.
SEE http://www.ci.el-paso.tx.us/parks/documents/ParkDesignConstructionStandards.pdf?1415741865 FOR A COMPLETE MANUAL.
FOR A DISCREPANCY BETWEEN THE "PARK DESIGN and CONSTRUCTION STANDARDS" AND THE CONSTRUCTION DOCUMENTS, CONTACT THE ARCHITECT, IN WRITING IMMEDIATELY.

artchitecture

IMPORTANT NOTE:

REVISIONS | DATE | BY

CONSULTANT'S NAME

SEAL

FOR REVIEW ONLY

SCALE: AS NOTED

PROJECT NAME

SPRAY PARKS
PHASE I
GRANDVIEW PARK
3100 JEFFERSON AVE EL PASO TEXAS

CITY OF EL PASO

SHEET TITLE

ENLARGED SITE PLAN

A2

SHEET X OF X

Grandview Park Splashpad®, TX

Revision 00 - Phase 01 - 24729

View 1

VORTEX

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Revision 00 - Phase 01 - 24729

View 2

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Revision 00 - Phase 01 - 24729

View 3

VORTEX

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Revision 00 - Phase 01 - 24729

View 4

VORTEX

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Grandview Park Splashpad®, TX
Revision 00 - Phase 01 - 24729

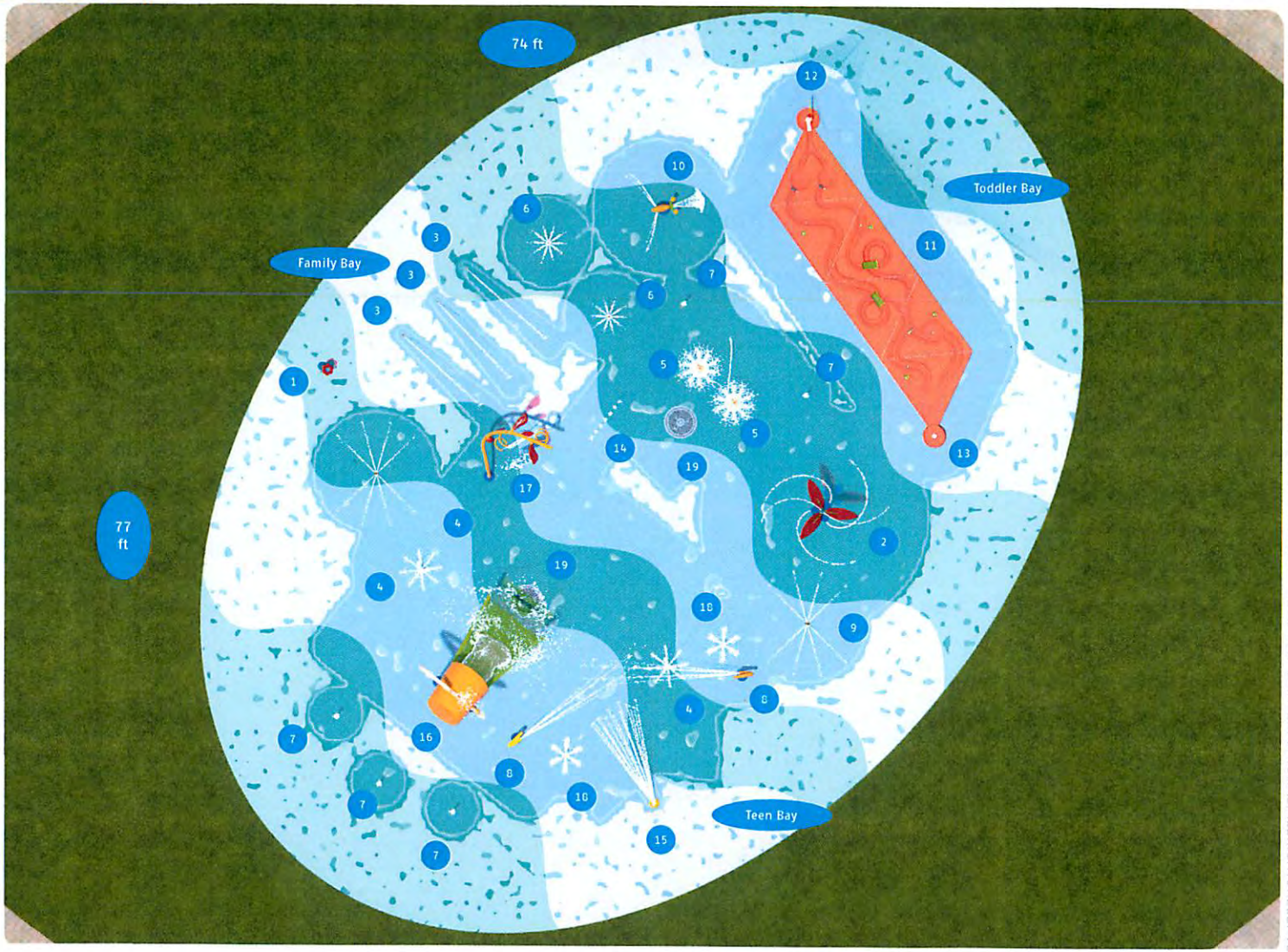
View 5

VORTEX

SPLASHPAD® COMPONENTS

TOTAL AREA: 4221 ft²
SPRAY AREA: 2926 ft²

#	ITEM	QTY	GPM
1	Activator No1 VOR 612	1	n/a
2	Bloom no1 VOR 7486	1	8.5
3	Directional Water Jet VOR 305	3	7.5
4	Fountain Spray VOR 7513	2	10
5	Safeswap No17 VOR 55000.0800 VOR 49000.0356	2	30
6	Ground Geyser VOR 301	2	9
7	Jet Stream VOR 7512	5	12.5
8	Loop n°2 VOR 7553	2	8
9	Spidey Spray VOR 7517	2	17
10	Snail No4 VOR 7217	1	6.5
11	Water Journey - Races VOR 7121	1	2
12	Water Journey - Pump Basin VOR 7124	1	7.5
13	Water Journey - Drain Basin VOR 7126	1	0
14	Water Wall No1 VOR 318	1	11.5
15	Large Safeswap No1 VOR 55000.0430 VOR 49000.0385	1	13
16	Super Splash 2 VOR 130	1	31.5
17	Vine VOR 7784	1	5
18	Single pod spray VOR 7507	2	12
19	Playsafe drain No1 VOR 1001.4000	2	n/a
		QTY	GPM
TOTAL WATER FLOW		32	192



Grandview Park Splashpad®, TX

Revision 00 - Phase 01 - 24729

Top View Splashpad®

VORTEX

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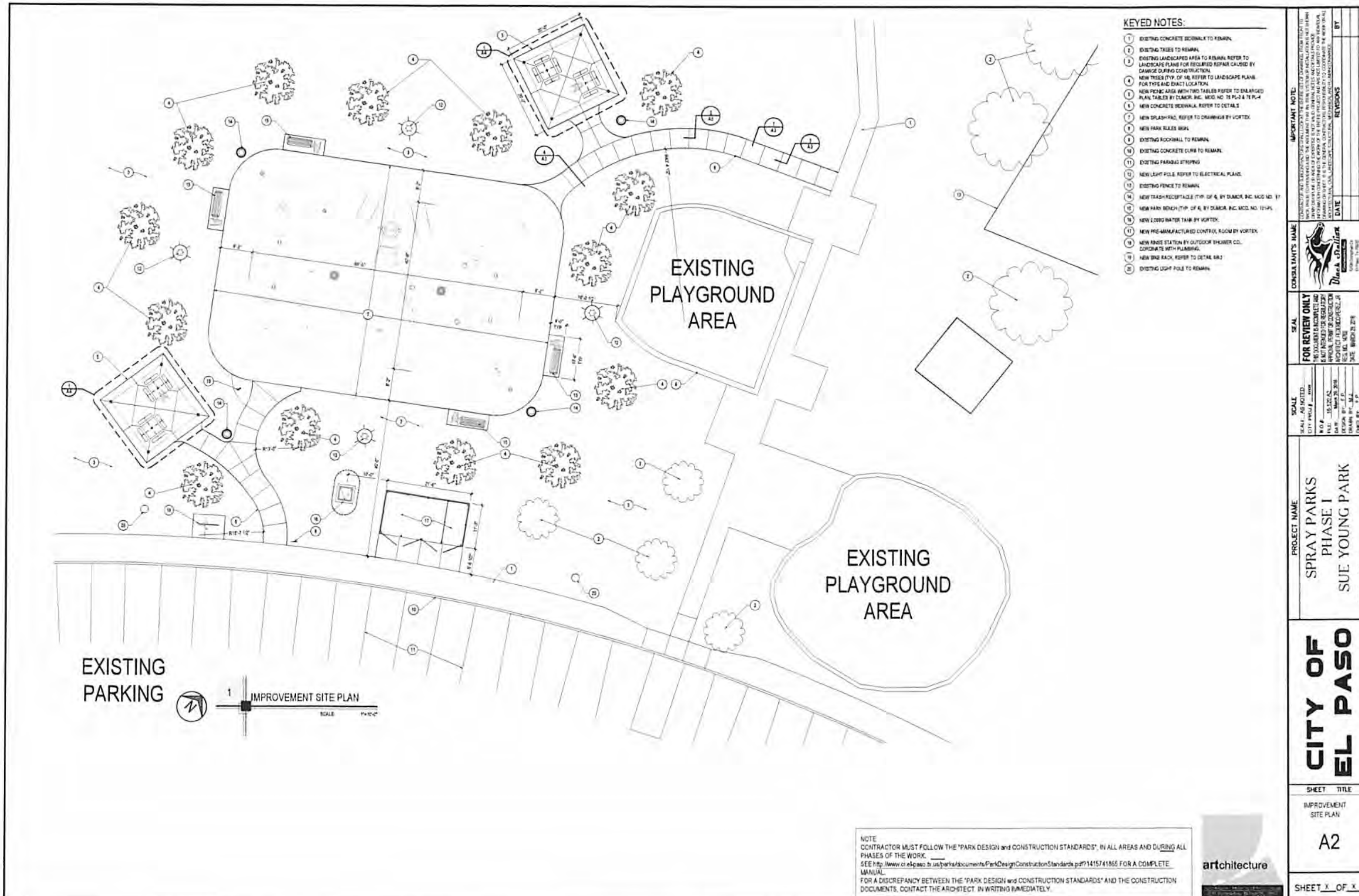
A CLEAR SOURCE OF FUN



KEYED NOTES:
1 EXISTING CONCRETE SIDEWALK TO REMAIN.
2 EXISTING TREES TO REMAIN.
3 EXISTING LANDSCAPED AREA TO REMAIN. REFER TO LANDSCAPE PLANS FOR REQUIRED REPAIR CAUSED BY DAMAGE DURING CONSTRUCTION.
4 NEW TREES (TYP. OF 14). REFER TO LANDSCAPE PLANS FOR TYPE AND EXACT LOCATION.
5 NEW PICNIC AREA WITH TWO TABLES REFER TO ENLARGED PLAN. TABLES BY DUMOR, INC. MOD. NO. 78 PL-3 & 78 PL-4
6 NEW CONCRETE SIDEWALK. REFER TO DETAILS
7 NEW SPLASH PAD, REFER TO DRAWINGS BY VORTEX.
8 NEW PARK RULES SIGN.
9 EXISTING ROCKWALL TO REMAIN.
10 EXISTING CONCRETE CURB TO REMAIN.
11 EXISTING PARKING STRIPING
12 NEW LIGHT POLE. REFER TO ELECTRICAL PLANS.
13 EXISTING FENCE TO REMAIN.
14 NEW TRASH RECEPTACLE (TYP. OF 4), BY DUMOR, INC. MOD NO.
15 NEW PARK BENCH (TYP. OF 4), BY DUMOR, INC. MOD. NO.
16 NEW 2,000G WATER TANK BY VORTEX.
17 NEW PRE-MANUFACTURED CONTROL ROOM BY VORTEX.
18 NEW RINSE STATION BY OUTDOOR SHOWER CO. COORDINATE WITH PLUMBING.
19 NEW BIKE RACK, REFER TO DETAIL
20 EXISTING LIGHT POLE TO REMAIN.
EXISTING PLAYGROUND AREA
EXISTING PLAYGROUND AREA
EXISTING PARKING
1 IMPROVEMENT SITE PLAN
NOTE
CONTRACTOR MUST FOLLOW THE "PARK DESIGN and CONSTRUCTION STANDARDS", IN ALL AREAS AND DURING ALL PHASES OF THE WORK.
SEE http://www.ci.el-paso.tx.us/parks/documents/ParkDesignConstructionStandards.pdf?1415741865 FOR A COMPLETE MANUAL.
FOR A DISCREPANCY BETWEEN THE "PARK DESIGN and CONSTRUCTION STANDARDS" AND THE CONSTRUCTION DOCUMENTS, CONTACT THE ARCHITECT IN WRITING IMMEDIATELY.
artchitecture
IMPORTANT NOTE:
REVISIONS
DATE
BY
CONSULTANT'S NAME
SEAL
FOR REVIEW ONLY
SCALE
PROJECT NAME
SPRAY PARKS
PHASE I
SUE YOUNG PARK
EL PASO TEXAS
CITY OF EL PASO
SHEET TITLE
IMPROVEMENT SITE PLAN
A2
SHEET X OF X

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Sue Young Park Splashpad®, TX

Revision 03 - Soccer - 24733

View 1

VORTEX

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Revision 03 - Soccer - 24733

View 2

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Revision 03 - Soccer - 24733

View 4

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Revision 03 - Soccer - 24733

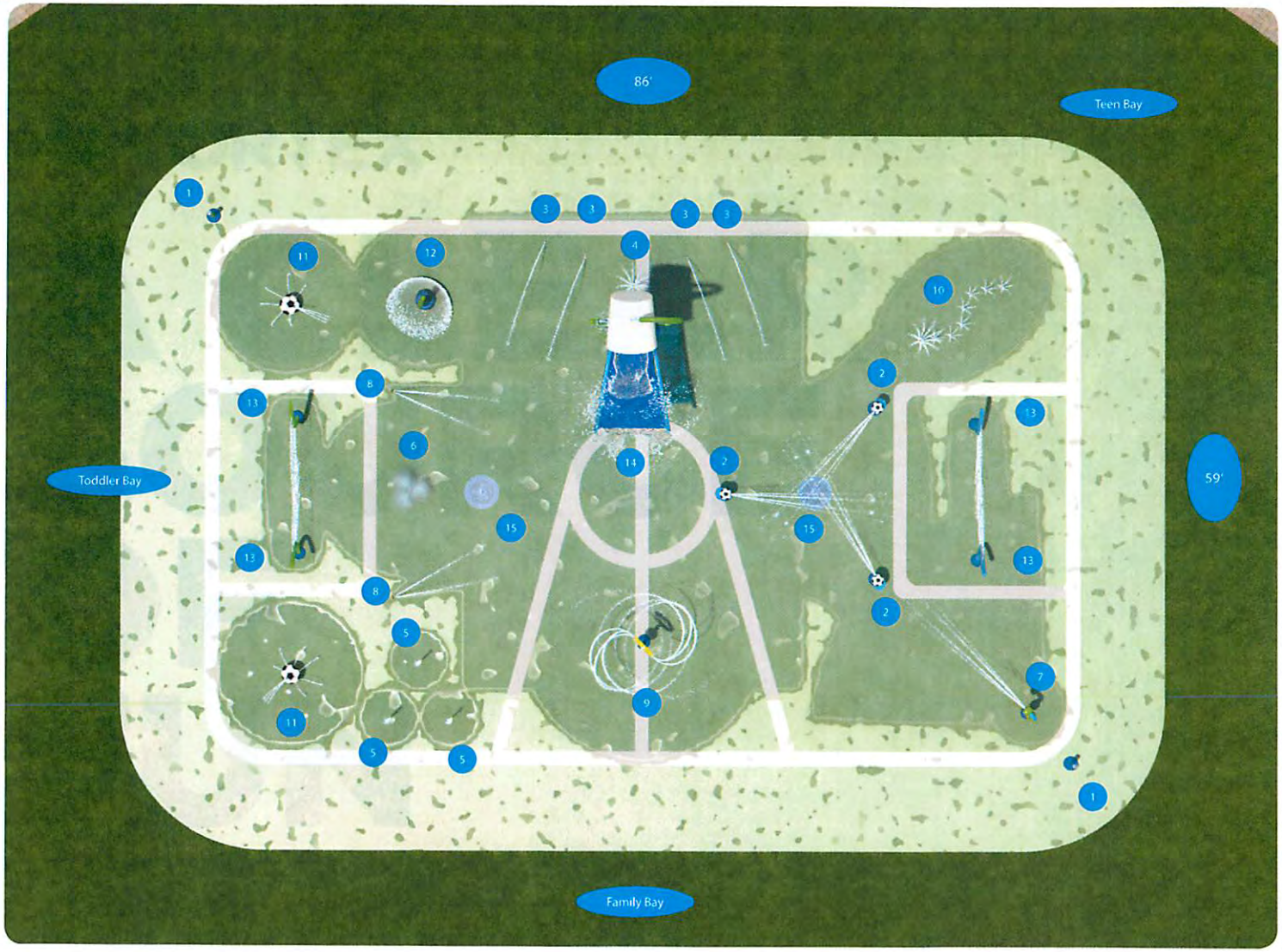
View 3

VORTEX

SPLASHPAD® COMPONENTS

Total Area : 4115 ft²
Spray Area : 2949 ft²

#	ITEM		GPM
1	Bollard Activator No3 VOR 611	2	n/a
2	Soccer Cannon VOR 0203	3	22.5
3	Directional Water Jet VOR 305	4	16
4	Ground Geyser VOR 301	1	7.5
5	Jet Stream VOR 7512	3	7.5
6	Magic Mist No2 VOR 8099	1	4.5
7	Perispray VOR 0533	1	6
8	Split Stream VOR 7516	2	15
9	Sunspray No1 VOR 7578	1	12.5
10	Team Spray No1 VOR 7640	1	17.5
11	Waterbug no3 VOR 7582	2	12
12	Silhouette No1 VOR 7772	1	14
13	Silhouette No3 VOR 7774	4	24
14	Super Splash 2 VOR 130	1	31.5
15	Playsafe Drain No1 VOR 1001.4000	2	n/a
		QTY	GPM
TOTAL WATER FLOW		29	190.5



Sue Young Park Splashpad®, TX

Revision 03 - Soccer - 24733

Top View Splashpad®

VORTEX

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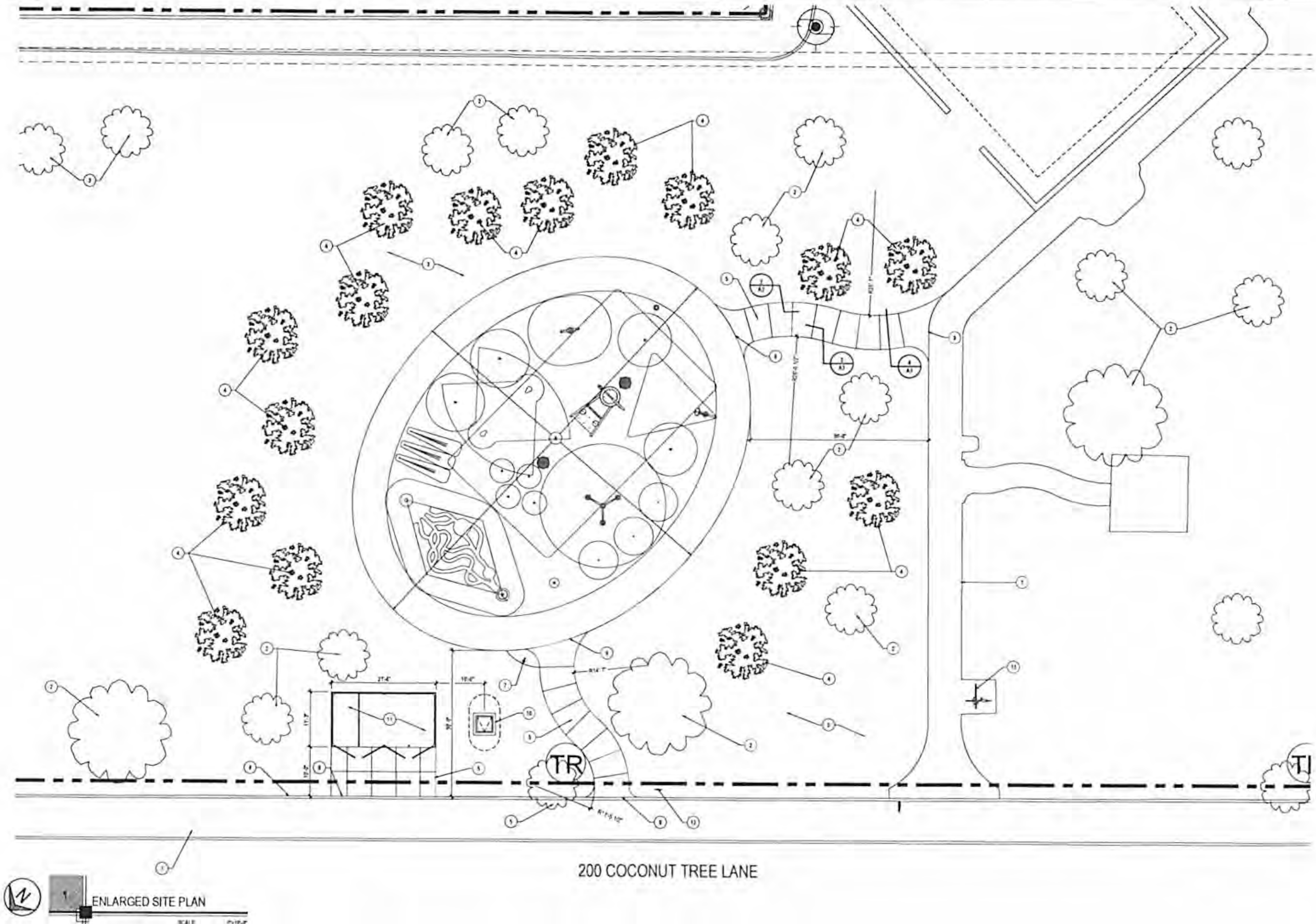

KEYED NOTES:

1. EXISTING WALK TO REMAIN.
2. EXISTING TREES TO REMAIN.
3. EXISTING LANDSCAPED AREA TO REMAIN. REFER TO LANDSCAPE PLANS FOR REQUIRED REPAIR CAUSED BY DAMAGE DURING CONSTRUCTION.
4. NEW TREES, REFER TO LANDSCAPE PLANS, FOR TYPE AND EXACT LOCATION.
5. NEW CONCRETE SIDEWALK, REFER TO DETAILS ON SHEET A1
6. NEW SPLASH PAD, REFER TO DRAWINGS BY VORTEX.
7. NEW RINSE STATION BY OUTDOOR SHOWER CO. COORDINATE WITH PLUMBING.
8. EXISTING CONCRETE CURB TO REMAIN.
9. PROVIDE 1/2" EXPANSION JOINT W/ EXPANSION JOINT MATERIAL.
10. NEW 2,000G WATER TANK BY VORTEX.
11. NEW PRE-MANUFACTURED CONTROL ROOM BY VORTEX.
12. NEW PARK RULES SIGN, SEE DETAIL
13. EXISTING BIKE RACK TO REMAIN.

IMPORTANT NOTE:

REVISIONS | DATE | BY

CONSULTANT'S NAME

SEAL

FOR REVIEW ONLY

SCALE

SCALE: AS NOTED

PROJECT NAME

SPRAY PARKS
PHASE I
HIDDEN VALLEY PARK

200 COCONUT TREE LANE

EL PASO TEXAS

CITY OF EL PASO

SHEET TITLE

IMPROVEMENT SITE PLAN

A2

artchitecture

SHEET X OF X

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Hidden Valley Park Splashpad®, El Paso, TX - Phase01
24725 - Revision 00

View 1

VORTEX

Grandview Park Splashpad®, TX
Revision 00 - Phase 01 - 24729

View 1

VORTEX

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Grandview Park Splashpad®, TX
Revision 00 - Phase 01 - 24729

View 2

VORTEX

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Grandview Park Splashpad®, TX
Revision 00 - Phase 01 - 24729

View 3

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Grandview Park Splashpad®, TX

Revision 00 - Phase 01 - 24729

View 4

VORTEX

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Grandview Park Splashpad®, TX
Revision 00 - Phase 01 - 24729

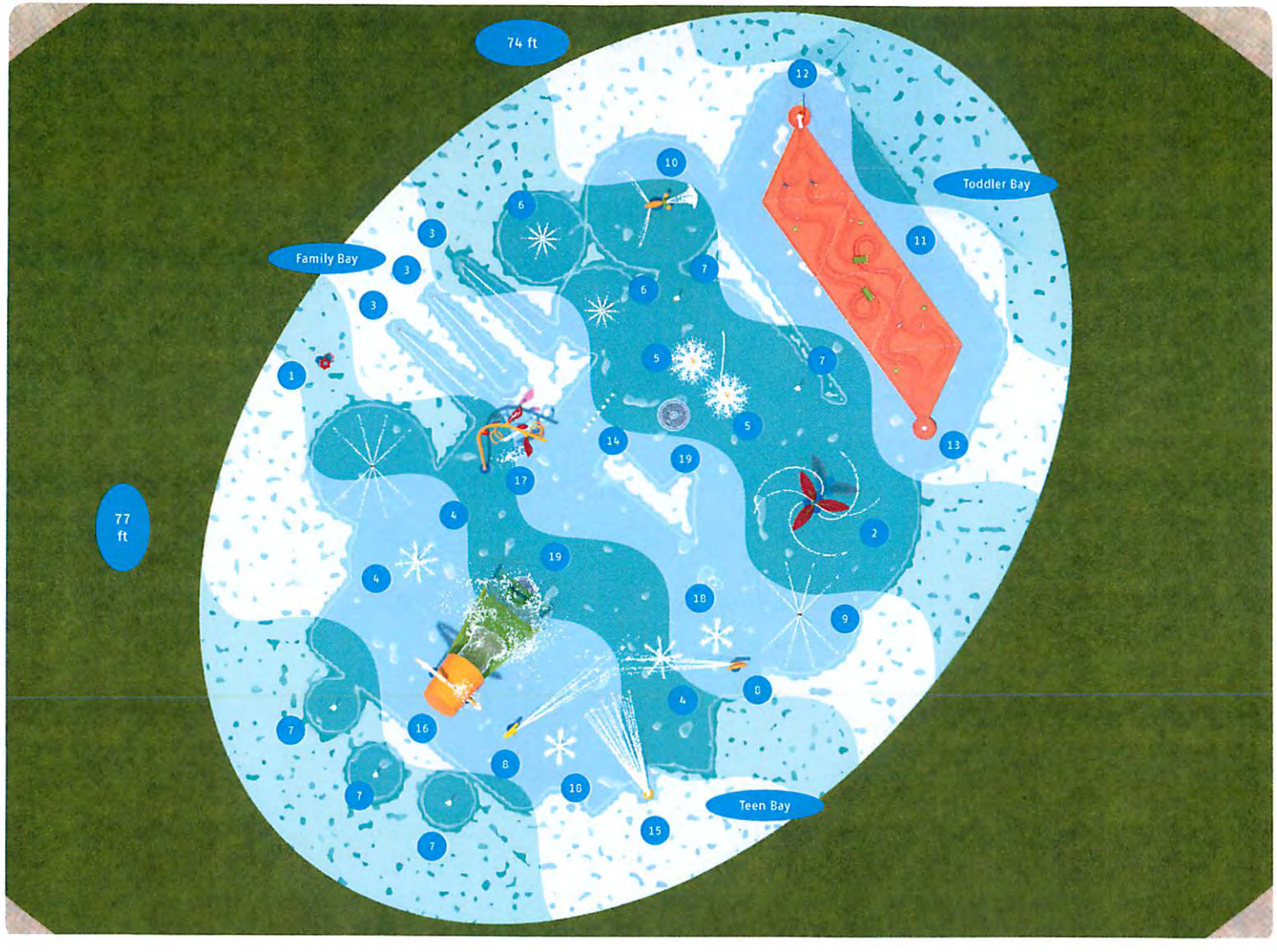
View 5

VORTEX

SPLASHPAD® COMPONENTS

TOTAL AREA: 4221 ft²
SPRAY AREA: 2926 ft²

#	ITEM	QTY	GPM
1	Activator No1 VOR 612	1	n/a
2	Bloom no1 VOR 7486	1	8.5
3	Directional Water Jet VOR 305	3	7.5
4	Fountain Spray VOR 7513	2	10
5	Safeswap No17 VOR 55000.0800 VOR 49000.0356	2	30
6	Ground Geyser VOR 301	2	9
7	Jet Stream VOR 7512	5	12.5
8	Loop n°2 VOR 7553	2	8
9	Spidey Spray VOR 7517	2	17
10	Snail No4 VOR 7217	1	6.5
11	Water Journey - Races VOR 7121	1	2
12	Water Journey - Pump Basin VOR 7124	1	7.5
13	Water Journey - Drain Basin VOR 7126	1	0
14	Water Wall No1 VOR 318	1	11.5
15	Large Safeswap No1 VOR 55000.0430 VOR 49000.0385	1	13
16	Super Splash 2 VOR 130	1	31.5
17	Vine VOR 7784	1	5
18	Single pod spray VOR 7507	2	12
19	Playsafe drain No1 VOR 1001.4000	2	n/a
		QTY	GPM
TOTAL WATER FLOW		32	192



Grandview Park Splashpad®, TX

Revision 00 - Phase 01 - 24729

Top View Splashpad®

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Exhibit 7-Guranteed Maximum Price

PROPOSAL SPRAY PARKS PHASE I
Solicitation No: 2016-268R
Guaranteed Maximum Price

April 7, 2016

Submitted to:
City of El Paso
Purchasing & Strategic Sourcing Department
City 1 300 N. Campbell Street
El Paso, TX 79901

Sue Young Park

Soccer 2949 SF

- CONSTRUCTION $527,845.00
  - **Scope of work:**
    - 25 spray park features
    - Water Splash Pad
    - Filtration System
    - Spray Controller Station
    - Concrete Sidewalk to Connect Existing
    - Connection of Utilities
    - 2 -Decorative Non-Slip Coating Colors
    - 4 -Surveillance LED Lights w/Metal Poles and Controller
    - 2 - 16'x16' Fabric Shade Canopies
    - 2 - Picnic Units
    - 2 - ADA Picnic Units
    - 4 - Park Benches
    - 4 - Thrash Receptacles
    - 14 – 4" Caliper Trees
    - Modify Irrigation System
    - New Sod in Areas Affected by Construction
    - Rinse Station

Sue Young Subtotal: $527,845.00

Hidden Valley Park

Western 3416 SF

- CONSTRUCTION $557,260.00
  - **Scope of Work:**
    - 24 – Spray Park features
    - Water Splash Pad
    - Filtration System
    - Spray Controller Station
    - Concrete Sidewalk to Connect Existing
    - Utilities Connections
    - 2 – Decorative Non-Slip Coating Colors
    - 15 – 4" Caliper Trees
    - Irrigation Modifications
    - New Sod in Areas Affected by Construction
    - Rinse Station

Hidden Valley Park Subtotal: $557,260.00

Guaranteed Maximum Price: $1,615,105.00
Total amount for Spray Parks Phase I
(Sue young Park, Grandview Park, Hidden Valley Park)

ATTACHMENT "B"- Design Builder's Proposal

SPRAY PARKS PHASE I
Solicitation No: 2016-268R

April 13, 2016

Submitted to:
City of El Paso
Purchasing & Strategic Sourcing Department
City 1 300 N. Campbell Street
El Paso, TX 79901

To whom It May Concern:

This letter is to inform you that proposals submitted from Black Stallion Contractors, Inc. are valid for a period of Sixty (60) days.

Thank you,
Hector Luna

5706 DONIPHAN DR. EL PASO, TX 799932 • PHONE: (915) 584-2098 FAX: (915) 584-1011 EMAIL: info@blackstalliongroup.com

PROPOSAL SPRAY PARKS PHASE I
Solicitation No: 2016-268R

April 12, 2016

Submitted to:
City of El Paso
Purchasing & Strategic Sourcing Department
City 1 300 N. Campbell Street
El Paso, TX 79901

Tentative Construction Schedule

Sue Young Park
Substantial Completion 06/30/2016

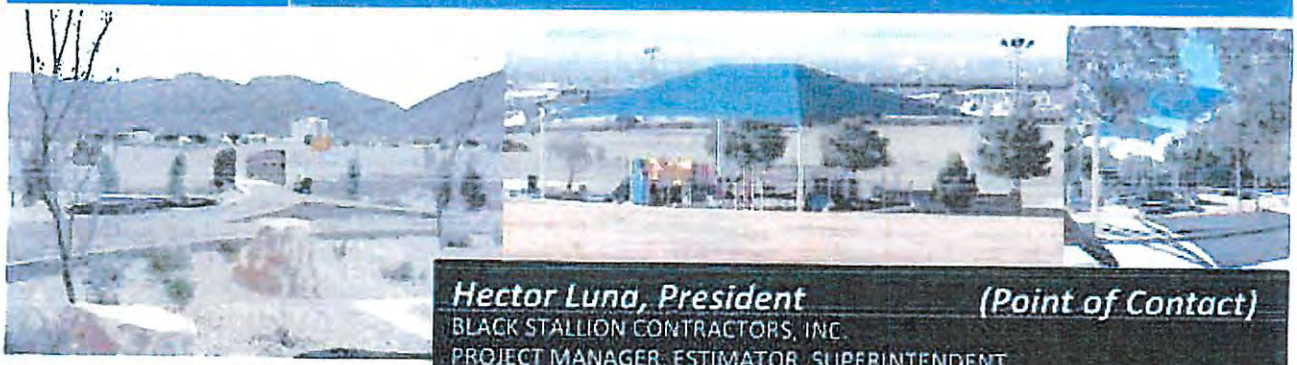
Grandview Park
Substantial Completion 9/5/ 2016

Hidden Valley Park
Substantial Completion 10/13/2016

Management percentage fee: 2%

Past Performance of Team Members

Black Stallion & Vortex



Hector Luna, President (Point of Contact)

BLACK STALLION CONTRACTORS, INC.
PROJECT MANAGER, ESTIMATOR, SUPERINTENDENT

Mr. Luna manages, supervises contract work for The City of El Paso, El Paso Water Utilities, El Paso Electric, TXDot and other private clients. Mr. Luna will serve as the Estimator, project Superintendent and ***the Design-Build Point of Contact*** for this project. *Mr. Luna has demonstrated competence as required by this RFQ.* He has extensive experience with City of El Paso projects, of which include the following:

RELATED PROJECT EXPERIENCE **- CITY OF EL PASO:**

Johnson Basin Park Improvements
Esmeralda Park Improvements (El Paso Electric Co.)
Sunrise Park Improvements
Carlos Bombach Park Improvements
Little River Park Improvements
Newman Park Improvements
Thorn Park Improvements
Pollard Park Improvements
Stiles Park Improvements
Fiesta/Balboa Park
Parks Upgrade 2011-Alethea Park

Years with Firm: 1 year 8 mo.
(as Black Stallion Contractors, Inc., 5 years other name)
City of Residence: **El Paso, Texas**
Office:
5708 Doniphan Drive, El Paso, TX 79932
Phone: 915.584-2098 Fax: 915.584.1011
CELL: 915.422.5946

Black Stallion Contractors, has *no* pending legal claims, litigation, or demands.

Amy Koch, Project Manager

VORTEX AQUATIC STRUCTURES, INTL.

Amy has worked for Vortex Aquatic Structures as the Area Sales Manager since 2013. During this time, she has overseen the Vortex sales in her territory. Amy brings a wealth of product and technical knowledge. She has designed Splashpads and provides consultation, project management and customer service support. *She has demonstrated competence as required by this RFQ.*

RELATED PROJECT EXPERIENCE:

Odessa Country Club. Odessa
YWCA, Lubbock
Pearsall Park, City of San Antonio
Fischer Park, City of New Braunfels
Trojan Park, City of Troy
Yanaguana Gardens, City of San Antonio
Joe Ward Park, City of San Antonio
Park West, City of Seguin
Paloma Lake HOA, Round Rock
The Highlands HOA, Round Rock
Dough Russell Pool, City of Midland
Valley Ranch HOA, San Antonio
Lakeway Resort and Spa, Lakeway

Years with Firm: 3
City of Residence: **Austin , Texas**
Education:
Bachelor of Arts – Texas Tech University / 2001 / Public Relations / Marketing

Project Assignment:
Design & Sales Consultant, Splashpad Equipment Supplier, Customer Service

Past Performance of Team Members

ARTchitecture I, L.P.

Federico (Fred) Perez, AIA, CNU-a, NCARB

ARTCHITECTURE FIRM PRINCIPAL

Years with Firm: 17

City of Residence: El Paso, Texas

Education:

Bachelor of Architecture
University of Texas at Austin 1988

Professional Registration:

Texas	14760
New Mexico	003403
Arizona	54230
NCARB	68321

Professional Affiliations:

American Institute of Architects
Past El Paso Chapter President - 2010
Texas Society of Architects
Past Board Member El Paso
Building & Standards Commission

TEXAS Board of Architectural Examiners
Architects · Interior Designers · Landscape Architects

Federico Perez
Architect
Texas Registration #14760

PROFESSIONAL EXPERIENCE:

Mr. Perez has in excess of 25 years experience in the architectural profession, including 17 years as the co-founder/owner of ARTchitecture I, L.P. He brings extensive experience in a large range of commercial, educational, and governmental projects. Mr. Perez be ***the Design-Build Point of Contact*** for this project along with Mr. Hector Luna. He will represent the firm and will devote all his time and energy in the design, planning, direction, control, coordination, inspection and observation of the work as a whole. *He has demonstrated competence as required by this RFQ.*

RELATED PROJECT EXPERIENCE:

CITY OF EL PASO

Total of ***20+*** Projects ranging from New Construction/ DESIGN-BUILD/Improvements / Renovations/ Remodel; Most recently: AB Fall Mansion Remodel; Irving Schwartz Library Branch & Memorial Park Library Branch Improvements.

OTHER CITY OF EL PASO PROJECTS

Esmeralda Park Improvements
Borderland Park Improvements
Pavo Real Park Improvements
Loretto-Lincoln Park Improvements
Sunrise Park Improvements
Doniphan-Logan Park Improvements
Blackie-Chesher Park Improvements
Ranchos Del Sol Park Improvements
Grandview Park Improvements—Phase 1 & 2
Tula-Irobali Park Improvements
Hidden Valley Park Improvements
San Jacinto Plaza Improvements
(*2005 improvements*)
New Playground Equipment Installation at 11 park sites
Eastwood Park Recreation Center
Marty Robbins Recreation Center and Pool Improvements
Nestor Valencia Transfer Center
Bert Williams Downtown Transfer Center
Rawlings Dental Health Clinic

TEXAS Board of Architectural Examiners
Architects · Interior Designers · Landscape Architects

THE TEXAS BOARD
OF
ARCHITECTURAL EXAMINERS

Certifies that

ARTCHITECTURE I, LP

is duly registered and authorized in accordance with all rules and regulations of the State of Texas

In testimony whereof this certificate has been issued by the authority of this Board
Registration No. BR 1299

Past Performance of Team Members

ARTchitecture LLP

J. Ernesto Licon, AIA
ARTCHITECTURE FIRM PRINCIPAL

Years with Firm: 17
City of Residence: El Paso, Texas
Education:
Bachelor of Architecture
University of Houston 1981
Professional Registration:
Texas 14726
Professional Affiliations:
American Institute of Architects
El Paso Chapter - AIA
Texas Society of Architects

TEXAS Board of Architectural Examiners
Architects · Interior Designers · Landscape Architects

Jesus Licon
Architect
Texas Registration #14726

PROFESSIONAL EXPERIENCE:

Mr. Licon has in excess of **30** years of architectural experience which includes project management, bidding and construction. Mr. Licon has been a registered architect in the State of Texas since 1994. Mr. Licon co-founded the company of **ARTchitecture** in the year 1998. He has recently managed several projects for the El Paso Independent School District, University of Texas at El Paso, Planet Fitness Facilities throughout the city and has completed several projects in the private sector. Mr. Licon serve as ***Project Manager*** for this project. *He has demonstrated competence as required by this RFQ.*

PRIVATE SECTOR PROJECTS

New Design and Renovations of Planet Fitness Gym Facilities in El Paso, Texas
Interior Remodel for Ramirez Dental Clinic
New 14,000 SF Shopping Center at Doniphan St
Remodel of Generator Shop Building at White Sands Missile Range, NM
Remodel for Green Family Dental Clinic
Addition and Remodel to HYUNDAI of El Paso
Interior Remodeling at New Pediatrics-Children's Heart Center in El Paso, TX
Remodel of a 10,000 SF Warehouse Building at 1310 Lomaland, El Paso, TX
New Metal Building for V.A. Healthcare System, Amarillo, TX
New 11,000 SF Retail Building at Zaragoza Power Center, El Paso, TX

OTHER PROJECTS INCLUDE:

UNIVERSITY OF TEXAS AT EL PASO

Courtyard Space at Physical Science Building & Decorative Trellis Structures
Biology Building HVAC Upgrade
New Laboratory for Dr. Bernal
New Kinesiology Gym
Classroom Building Re-roofing
Reconstruction of Lhakhang Bhutanese Shrine Temple

EL PASO INDEPENDENT SCHOOL DISTRICT

Logan Elementary Reconstruction at Fort Bliss Texas
10 Classroom Addition at Mitzi Bond Elementary School
Kitchen for EPCC Early College High School
New General Colin Powell E. S. at Fort Bliss Texas
Western Hills Reconstruction Elementary School
Elevator Addition to Cooley Elementary and Henderson M. S.
ADA Compliance Renovations to Miscellaneous Schools District Wide

YSLETA INDEPENDENT SCHOOL DISTRICT

New Library Addition to Le Baron Park Elementary School
Kitchen/ Cafeteria/ Gymnasium Addition at Parkland /Desert View/ Riverside / Ysleta Middle Schools

SOCORRO INDEPENDENT SCHOOL DISTRICT

Kitchen Renovations to Myrtle Cooper and Robert Rojas Elementary Schools
10 Classroom Addition to Dr. Sue Shook E. S.

Past Performance of Team Members

Brock & Bustillos, Inc. - Greenway Studio LLC

Sergio J. Adame, P.E.
PROJECT CIVIL ENGINEER

Years with Firm: 14
City of Residence: El Paso , Texas
Education:
- Bachelor's of Science in Civil Engineering,
- 1995 – University of Texas at El Paso
- Licensure: TX PE # 88423; NM PE #16553

Professional Affiliations:
- American Concrete Institute (ACI)
- American Society of Civil Engineers (ASCE)
- American Water Works Association (AWWA)
- Texas Society of Professional Engineers (TSPE)

PROFESSIONAL EXPERIENCE:
Mr. Sergio J. Adame, P.E., has served as a Civil Project Manager and Construction Manager for various EPWU and City of El Paso Projects. Sergio has over 14 years of engineering and construction experience in roadway, water, wastewater, and development projects. Additionally, Sergio has vast experience in the area of storm water management, drainage and hydrologic design. Mr. Adame's hydrologic experience includes storm water management design with computer aided programs such as Sewer GEMS, HEC-1, HEC-2 and Storm-CAD. Sergio has also designed various water booster pump stations ranging from 100 gpm to 1,700 gpm *He has demonstrated competence as required by this RFQ.*

RELATED PROJECT EXPERIENCE:
COEP - Sunridge Park Improvements
COEP - Mission Hills Park Improvements
COEP - Paul Harvey Park Improvements
COEP - Crestmont Park Improvements
COEP - Marwood Park Improvements


Texas Board of Professional Engineers
CERTIFICATE OF REGISTRATION
BROCK & BUSTILLOS INC

David Parra, RLA
PROJECT LANDSCAPE ARCHITECT

Years Experience: 10
City of Residence: El Paso , Texas
Education:
- Bachelors of Landscape Architecture- Texas Tech University, Lubbock TX, 2007
- Masters of Environmental Planning- Macquarie University, Sydney, AU, 2009
- Licensure: TX Reg. #2890

Professional Affiliations:
- NRPA Membership
- Congress of New Urbanism Accredited Members

PROFESSIONAL EXPERIENCE:
A native of all places and having grown up throughout Latin America, David Parra is a principal of Greenway Studio LLC in El Paso. He was educated at Texas Tech University where he earned a Bachelors of Landscape Architecture; and Macquarie University in Sydney Australia where he later completed a Masters of Environmental Planning. It is his passion for Landscape Architecture and worldly experiences that bring a rich and varied background to his work. David's collaborative approach and dedication ensures a fully integrated landscape, and his work throughout the Southwest brings a deep understanding of water conservation practices, sustainable design, and the environment as a whole. His attention to detail and aesthetic sense allow him to make innovative landscapes on many scales. David has completed numerous projects from Parks and Streetscapes to local Community Gardens and more complex facilities such as Medical Campuses, and Operations and Distribution Centers. His experience on the field also make him keen in delivering efficiently from design through construction. *He has demonstrated competence as required by this RFQ.*

RELATED PROJECT EXPERIENCE:
COEP - Cimmarron Sage 1 Park Improvements
COEP - Radford Park Improvements
COEP - Pollard Park Improvements
UTEP - School of Nursing—Landscaping


TEXAS Board of Architectural Examiners

THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS

Certifies that it has registered and authorized to practice in the State of Texas

David Arturo Parra
as
Landscape Architect

In testimony whereof this certificate has been issued by the authority of this board Registration No: 2890

Past Performance of Team Members

Fluid Systems Inc. Gonzalo Aguilar Professional Engineer, Inc.

Jose Bernal, P.E.

PROJECT MECHANICAL ENGINEER

Years with Firm: 15
City of Residence: El Paso , Texas

Office:
12244 Rathmore Dr.,
El Paso, Texas 79928 (915) 856-9420

Education:
- University of Texas at El Paso Bachelor of Science in Mechanical Engineering
- Licensure: Texas PE ; New Mexico PE

Professional Affiliations:
- American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE)
- Member, National Society of Professional Engineers

PROFESSIONAL EXPERIENCE:

Jose Bernal, P.E.-Principal/Owner. of the firm and will be our MP Consultant for this project. Fluid Systems, Inc. is a consulting mechanical engineering corporation established in 1977. The firm develops mechanical plans and specifications and performs building energy and system studies relating to heating, ventilating and air conditioning. The majority of the work is done in west Texas and southern New Mexico. Fluid Systems, Inc., has been a corporation in the state of Texas for over 40 years. *He has demonstrated competence as required by this RFQ.*

RELATED PROJECT EXPERIENCE - CITY OF EL PASO:

Sunridge Park Improvements
Mission Hills Park Improvements
Paul Harvey Park Improvements
Crestmont Park Improvements
Marwood Park Improvements
McKelligon Canyon Park Improvements
New Zoo Support Facilities
Memorial Park Improvements/Pool Facility
Washington Park Senior Citizens Center/Indoor Pool
Nations-Tobin Center & Park Improvements
Marcos B. Armijo Pool
The Plaza Theater Performing Arts Centre

TBPE Licensed Professional Engineer Number 00661 Status ACTIVE Expires 12/31/2016
JOSE ABIGEL BERNAL

Gonzalo Aguilar, PE

PROJECT ELECTRICAL ENGINEER

Years Experience: 40
City of Residence: El Paso , Texas

Office:
481-B N. Resler Dr., El Paso, Texas 79912
Phone: (915) 581-5622
e-mail: gonzaeng@aol.com

Education:
- B.S. in Electrical Engineering: U.T.E.P., August, 1969
- M.S. in Electrical Engineering: U.T.E.P., May, 1974
- Registered Professional Engineer: Texas, March, 1975
- Licensure: TEXAS P.E.

PROFESSIONAL EXPERIENCE:

Gonzalo Aguilar, P.E.-Owner. GonzA Firm was established in 1976 as a proprietorship under the name Gonzalo Aguilar Electrical Consulting Engineer. In 1979, the firm was incorporated under the name Gonzalo Aguilar Professional Engineer, Inc. Services include field investigations and data gathering, development of "AS BUILTS", studies and reports, plans, specifications, cost estimates, construction monitoring & RPR. *He has demonstrated competence as required by this RFQ.*

RELATED PROJECT EXPERIENCE:

Pavo Real Recreation Center and Pool Improvements
Grandview Park Improvements
Sunrise Park Improvements
Blackie Chesher Park Improvements
Nations Tobin Improvements
Washington Park Improvements and Pool
Memorial Park and Pool Improvements
Thomas Manor Park Improvements
Franklin Park
Mary Webb Park Renovations
Shearman and Shearman Parks
Arlington and Logan Parks
Barron Park
Radford Park
Armijo / Pat O' Rourke Recreation Centers and Pools
Eastwood Park and Marty Robbins Recreation Centers
City of Sunland Park, NM—Sports Complex

TBPE Licensed Professional Engineer Number 37288 Status ACTIVE Expires 12/31/2016
GONZALO AGUILAR JR.

Texas Administrative Code

Title 25 Health Services
Part 1 Department of State Health Services
Chapter 265 General Sanitation
Subchapter M Public Interactive Water Features and Fountains
§§265.301 - 265.308

§265.301. General Provisions.

(a) Purpose of the rules. These rules implement Texas Health and Safety Code, §341.0695.

(b) Scope of rules. These rules address minimum sanitation requirements for public interactive water features and fountains (PIWFs). These standards are based in part on the American National Standards Institute and International Aquatic Foundation Standards for Aquatic Recreation Facilities (ANSI/IAF-9 2005) as amended, the National Swimming Pool Foundation's 2008 "Aquatic Play Feature Handbook" as amended, the Centers for Disease Control and Prevention "Designing Public Swimming Facilities Guidelines," and the Centers for Disease Control and Prevention "Operating Public Swimming Pools Guidelines" both available at http://www.cdc.gov/healthyswimming/.

(1) These rules apply to all PIWFs whether the PIWF shares or does not share a water supply, disinfection system, filtration system, circulation system, or any other treatment system that allows water to co-mingle with any other water feature or a pool.

(2) A PIWF that is supplied entirely by drinking water that is not recirculated is not subject to §265.303(d) and §265.303(f) of this title (relating to Operation and Maintenance of Public Interactive Water Features and Fountains); §265.305 (relating to Circulation and Disinfectant Systems for Public Interactive Water Features and Fountains), and §265.306 of this title (relating to Water Quality at Public Interactive Water Features and Fountains).

(3) These rules do not apply to a PIWF that uses freshwater originating from a natural watercourse for recreational purposes and that releases the freshwater back into the same natural water course.

(4) A PIWF with water reservoirs or basins that are accessible to users may be subject to the suction device requirements of Chapter 265, Subchapter L of this title (relating to Standards for Public Swimming Pools and Spas).

(c) PIWF standards. Where a local regulatory authority has jurisdiction for the regulation of PIWFs, such authorities may adopt standards that vary from these standards; however, such standards shall be the same as, equivalent to, or more stringent than these standards.

§265.302. Definitions. The following words and terms, when used in this subchapter, shall have the following meanings, unless the context clearly indicates otherwise.

(1) Act--Refers to Health and Safety Code, §341.0695, relating to Interactive Water Features and Fountains.

(2) American Society of Sanitary Engineering (ASSE)--International Office, 901 Canterbury, Suite A, Westlake, Ohio 44145, telephone (440) 835-3040, website: www.asse-plumbing.org.

(3) ANSI--American National Standards Institute, 25 West 43rd Street (4th Floor), New York, New York 10036, telephone (212) 642-4900, website: www.ansi.org.

(4) ANSI/IAF-9 2005--American National Standards Institute and International Aquatic Foundation Standards for Aquatic Recreation Facilities.

(5) AquaTech--Starfish Aquatics Institute, Human Kinetics Aquatic Education Center, P.O. Box 5076, Champaign, Illinois, 61825-5076, telephone (800) 747-4457, website: www.aquaticeducationcenter.com.

(6) APSP--Association of Pool and Spa Professionals, 2111 Eisenhower Avenue, Suite 500, Alexandria, Virginia 22314-4695, telephone (703) 838-0083, website: www.apsp.org.

(7) ASPSA--American Swimming Pool and Spa Association, 1108 Little River Drive, Elizabeth City, North Carolina 27909, telephone (252) 331-2301, website: www.swimmingpooloperator.com.

(8) Automatic chemical feeder--An automatic device for adding chemical to water in a public interactive water feature or fountain (PIWF). An automatic chemical feeder has valves controlled by electronic equipment that use pumps to dispense chemicals based on signals from probes continuously monitoring the water's properties.

(9) Available chlorine--Rating of chlorine-containing products for total oxidizing power (See definition number (30) "Free available chlorine.")

(10) Backflow prevention device--A device that is designed to prevent a physical connection between a potable water system and a non-potable source such as a pool, spa, or PIWF, or to prevent a physical connection between a pool, spa, or PIWF and a sanitary sewer or wastewater disposal system. (See definition number (20) "Cross-connection control device.")

(11) Bacteria--Single-celled microorganisms of various forms, some of which cause infections or disease.

(12) Bromine--A chemical element (Br_2) that exists as a liquid in its elemental form or as part of a chemical compound that is a biocide agent used to disinfect water in a pool, spa, or PIWF.

(13) CDC--Centers for Disease Control and Prevention, 1600 Clifton Road, Atlanta, Georgia 30333, telephone (800) 232-4636, website: www.cdc.gov.

(14) Chlorine--A chemical element (Cl_2) that exists as a gas in its elemental form or as part of a chemical compound that is an oxidant. Chlorine is a biocide agent used to disinfect water in a pool, spa, or PIWF.

(15) Chloramine--A compound formed when chlorine combines with nitrogen or ammonia that, when found in significant amounts in the water of a PIWF, may cause eye and skin irritation and may have an objectionable odor.

(16) Circulation equipment--The components that are part of a circulation system for a PIWF. Circulation equipment may include but is not limited to, categories of pumps; treatment tanks; hair and lint strainers; filters; valves; gauges; meters; heaters; inlet/outlet fittings; and chemical feeding devices. The components have separate functions, but when connected to each other by piping, perform as a coordinated system for purposes of maintaining PIWF water in a clear, sanitary, and desirable condition for use.

(17) Circulation system--An arrangement of equipment or components, connected by piping to a PIWF in a closed circuit. The function of a circulation system is to direct water from the PIWF, causing it to flow through the various system components for purposes of clarifying, heating, purifying, and returning the water back to the PIWF.

(18) Coliform bacteria--Bacteria found in the intestines and fecal matter of warm-blooded animals.

(19) Combined chlorine--The portion of total chlorine in a water-chemical combination with ammonia, nitrogen, and/or organic compounds, mostly comprised of chloramines. Combined chlorine plus free available chlorine equals total chlorine.

(20) Cross-connection control device--A device that is designed to prevent a physical connection between a potable water system and a non-potable source such as a pool, spa, or PIWF, or to prevent a physical connection between a pool, spa, or PIWF and a sanitary sewer or wastewater disposal system. (See definition number (10) "Backflow prevention device.")

(21) Cryptosporidiosis--A diarrheal disease caused by microscopic parasites of the genus *Cryptosporidium*. Water is the most common method of transmission and *Cryptosporidium* is one of the most frequent causes of waterborne illness among humans in the United States.

(22) Cyanuric acid--A chemical that reduces the loss of chlorine in water due to the ultraviolet rays of the sun. Also known by the names stabilizer, isocyanuric acid, conditioner and triazinetrione.

(23) Date of construction--The date a building permit for construction of a PIWF is issued by a municipality or county. If no building permit is required, the date excavation or electrical service to the PIWF begins, whichever is first.

(24) Department--Department of State Health Services, Environmental and Consumer Safety Unit, Policy, Standards, and Quality Assurance, P.O. Box 149347, MC 1987, Austin, Texas 78714-9347, telephone (512) 834-6788, website: www.dshs.state.tx.us.

(25) Disinfectant--Energy or chemicals used to kill undesirable or pathogenic (disease causing) organisms at a level adequate to make the desired kill.

(26) Disinfection equipment--Equipment designed to apply or deliver a disinfectant (such as chlorine) at a controlled rate.

(27) DPD--A chemical testing reagent (N,N-Diethyl-P-Phenylenediamine) used to measure the levels of available chlorine or bromine in water by yielding a series of colors ranging from light pink to dark red.

(28) Extensively remodeled--Replacement of facility components or modification of the PIWF so that the design, configuration, capacity, or operation is 20% or more different from the original design, configuration, capacity, or operation. This term does not include the normal maintenance and repair of a PIWF or a water circulation system or the partial replacement of circulation system equipment if the size, type, or operation of the equipment is not substantially different from the original equipment. Replacement of 30% or more of the circulation system shall fall within the meaning of extensively remodeled.

(29) Filter--A device that removes undissolved particles from water by recirculating the water through a porous substance (filter media or element).

(30) Free available chlorine--That portion of the total chlorine remaining in the chlorinated water that is not combined with ammonia or nitrogen compounds and that will react chemically with undesirable or pathogenic organisms. Free chlorine is also known as free available chlorine. Combined chlorine plus free available chlorine equals total chlorine.

(31) Free residual chlorine--For purposes of this rule free residual chlorine means free available chlorine. (See definition number (30) "Free available chlorine.")

(32) Incidental water contact--Contact with water that is accidental and/or that occurs merely by chance. For purposes of this subchapter, incidental water contact at a water feature or attraction is contact that occurs primarily when users do not expect to become completely wetted, immersed, or submerged in water and the water feature or attraction is not designed to completely wet users or to allow for immersion or submersion in water, and is not used by users who become completely wetted, immersed, or submerged in water when using the water feature or attraction.

(33) Labeled--Equipment or material to which has been attached a label, symbol, or other identifying mark of an organization that is acceptable to the authority having jurisdiction and concerned with product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards of performance in a specified manner.

(34) Local regulatory authority--The local enforcement body or authorized representative having jurisdiction over PIWFs and associated facilities.

(35) mJ--Millijoule, a unit of work or energy.

(36) mJ/cm^2--Millijoules per centimeter squared.

(37) NRPA--National Recreation and Parks Association, 22377 Belmont Ridge Road, Ashburn, Virginia 20148-4501, telephone 1-800-626-6772, website: www.nrpa.org.

(38) NSF--National Sanitation Foundation International, P.O. Box 130140, 789 N. Dixboro Drive, Ann Arbor, Michigan 48113-0140, telephone (800) 673-6275, website www.nsf.org.

(39) NSF/ANSI-50 Standard--National Sanitation Foundation International/American National Standard Institute Standard 50, Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities.

(40) NSPF--National Swimming Pool Foundation, 4775 Granby Circle, Colorado Springs, Colorado 80919-3131, telephone (719) 540-9119, website: www.nspf.com.

(41) ONPG-MUG--Ortho-nitrophenyl-beta-D-galactopyranoside-4-methylumbelli-feryl-beta-D-glucuronide, an enzyme substrate assay used for measuring total coliform and *E. coli* in water as described in the Code of Federal Regulations, Title 40, Part 141.

(42) Owner or operator--The owner of the property upon which the PIWF is located, or the operator, business manager, complex manager, property owners association manager, rental agent, lessee, licensee, concessionaire, or other individual who is in charge of the day to day operations or maintenance of the property. The owner or operator is responsible to ensure that the PIWF complies with state and local standards.

(43) Ozone (O_3)--A gas composed of oxygen that is generated on site and used to oxidize organic matter in water.

(44) Ozone generator--A device that produces ozone, usually by exposing air or oxygen to a corona discharge or ultraviolet light.

(45) Parts per million (ppm)--A unit measurement in chemical testing that indicates the parts by weight in relation to one million parts by weight of water. For the purposes of PIWF water chemistry, ppm is considered to be essentially identical to the term milligrams per liter (mg/L).

(46) pH--A value expressing the relative acidic or basic tendencies of a substance, such as water, as indicated by the hydrogen ion concentration. The pH is expressed as a number on the scale of zero to 14, less than one being most acidic, 1 to 6.9 being acidic, 7 being neutral, 7.1 to 14 being basic, and 14 being most basic.

(47) Pool--For purposes of this subchapter, the term shall have the meaning assigned to it in Subchapter L, §265.182 of this title (relating to Definitions).

(48) Potable water--Water that meets all applicable standards for an approved drinking water source of the Texas Commission on Environmental Quality (TCEQ), 30 Texas Administrative Code (TAC), Chapter 290, Public Drinking Water, Subchapter D, Rules and Regulations for Public Water Systems, as amended, and 30 TAC Chapter 290, Public Drinking Water, Subchapter F, Drinking Water Standards Governing Drinking Water Quality And Reporting Requirements For Public Water Systems, as amended, or the equivalent

(49) Public interactive water feature and fountain (PIWF)--Any indoor or outdoor installation maintained for public recreation that includes water sprays, dancing water jets, waterfalls, dumping buckets, or shooting water cannons in various arrays for the purpose of wetting the persons playing in the spray streams. PIWFs:

(A) may be stand-alone PIWFs or may share a water supply, disinfection system, filtration system, circulation system, or other treatment system that allows water to co-mingle with a pool;

(B) may be publicly or privately owned;

(C) may be operated by an owner, lessee, operator, licensee, or concessionaire, regardless of whether a fee is charged for use;

(D) include, but are not limited to, interactive water features or fountains that are open exclusively to members of an organization and their guests, residents of a multi-unit apartment building or apartment complex, residential real estate development, or other multi-family residential area, schools, day care facilities, youth camp, or hotel or other public accommodations facility;

(E) do not include interactive water features or fountains located on private property under the control of the property owner or the owner's tenant serving a single-family residence or duplex and that are intended for use by not more than two resident families and their guests; and

(F) are not fountains, installations, amusement rides, or other attractions, whether decorative or interactive, in which only incidental water contact occurs.

(50) Pump--A mechanical device, usually powered by an electric motor that causes hydraulic flow and pressure for the purpose of filtration, heating, and circulation of the PIWF water.

(51) Recreational water park--A property or any portion thereof upon which one or more PIWFs are located.

(52) Regulatory authority--Any federal, state, or local enforcement body or authorized representative having jurisdiction over PIWFs.

(53) Shall--Indicator of the mandatory provisions of these rules.

(54) Stabilizer--A chemical that reduces the loss of chlorine in water due to the ultraviolet rays of the sun. Also known by the names cyanuric acid, isocyanuric acid, conditioner, and triazinetrione.

(55) Stand-alone PIWF--A PIWF that does not share a water supply, disinfection system, filtration system, circulation system, or any other treatment system that allows water to co-mingle with a pool as defined in Subchapter L, §265.182 of this title. This does include a PIWF that shares a water supply, disinfection system, filtration system, circulation system, or any other treatment system that allows water to co-mingle with any other water feature other than a pool as defined in Subchapter L, §265.182 of this title.

(56) TCEQ--Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087, telephone (512) 239-1000, website: www.tceq.state.tx.us.

(57) Total chlorine--The sum of both the free available chlorine and combined chlorine.

(58) Treatment tank--The vessel, chamber, or tank used to collect the water that has been sprayed, dumped, or otherwise used at the PIWF and returned through the drains.

(59) Turnover rate--The period of time (usually in hours) required to circulate a volume of water equal to the total pool and PIWF water volume, or in the case of a stand-alone PIWF, the PIWF water volume, through the filtration equipment.

(60) Ultraviolet light (UV)--Electromagnetic radiation that is invisible to the human eye with wavelengths on the border of x-rays, about 4 nanometers, to just beyond violet in the visible spectrum, about 380 nanometers.

(61) United States Environmental Protection Agency (EPA)--Ariel Rios Building, 12000 Pennsylvania Avenue, N.W., Washington, DC 20450, telephone (202) 272-0167, website: www.epa.gov.

(62) Water quality testing device or kit--A product designed to measure the level of a specific chemical in the water of a PIWF. A water quality testing device or kit includes a method to provide a visual indication of chemical level, and may include one or more testing reagents and accessory items.

§265.303. Operation and Maintenance of Public Interactive Water Features and Fountains.

(a) Public interactive water feature and fountain (PIWF) operation requirements. PIWFs shall be operated and maintained under the supervision and direction of a properly trained and certified operator who is responsible for sanitation and proper maintenance of the PIWF, and who is responsible for maintaining all physical and mechanical equipment and records. Training and certification shall be obtained by completion of one of the following courses or its equivalent:

(1) the NRPA, "Aquatic Facility Operator" (A.F.O.);

(2) the NSPF, "Certified Pool Operator" (C.P.O.);

(3) the ASPSA, "Licensed Aquatic Facility Technician" (L.A.F.T.); or

(4) AquaTech Pool and Aquatic Facility Operator.

(b) Operator credentials. The operator of the PIWF who is responsible for the sanitation and proper maintenance of the PIWF shall provide evidence of current certification as specified in subsection (a) of this section during inspection by the regulatory authority.

(c) Sanitation of PIWFs. The owner, manager, operator, or other attendant in charge of a PIWF shall maintain the water feature or fountain in a sanitary condition.

(1) The PIWF treatment tank shall be completely drained and cleaned at a frequency necessary to maintain water quality and sanitary conditions.

(2) Any dirt, trash, refuse, animal waste, or debris on the surface of a zero depth PIWF shall be removed from the surface and the surfaces shall be flushed and sanitized with a United States Environmental Protection Agency approved disinfectant as often as is needed to prevent contamination of the water in the PIWF.

(3) The surfaces of zero depth PIWFs and the decks of all PIWFs shall be kept clean and free of pooled water to prevent the growth of algae and bacteria.

(d) Signs for PIWFs. Warning and notification signs shall be posted at the entrance of all PIWFs, or where the signs are clearly visible to users entering the PIWF area before contact with PIWF water occurs, when the PIWF is open or in use. Signs shall be securely mounted, clearly visible, and easily read with letters in a contrasting color to the background. The required signage can be combined into a single sign. The signage shall provide the following notifications and warnings in letters at least 2 inches in height:

(1) "Non-Service Animals Prohibited";

(2) "Changing Diapers Within 6 Feet Of The Water Feature is Prohibited;"

(3) "Use Of The Water Feature If Ill With A Contagious Disease is Prohibited";

(4) "Do Not Drink Water From The Water Feature"; and

(5) "Use Of The Water Feature When Ill With Diarrhea is Prohibited."

(e) PIWFs without an on-site owner or operator. At PIWFs without an on-site owner or operator a sign shall be posted that provides a contact number to be used in the event of a malfunction, unsanitary condition, or any other non-emergency problem requiring correction at the PIWF. Letters and numbers on the posted sign shall be a minimum of 2 inches in height and the sign shall be clearly visible.

(f) Records for PIWFs. The following records pertaining to the operation, maintenance, cleaning, sanitation, and chemical levels shall be kept for a minimum of 2 years and, when kept on site, shall be made available during inspection by the regulatory authority. If the records are kept in a separate location off site they shall be provided to the regulatory authority within 5 working days following the inspection:

(1) daily chemical log;

(2) chlorine, bromine, cyanuric acid, and pH test results;

(3) routine maintenance schedule and activities;

(4) preventative maintenance schedule and activities;

(5) documentation that circulation equipment meets the NSF/ANSI-50 Standard, if applicable;

(6) copy of manufacturer's instructions for operation of the disinfection equipment, chemical control equipment, and chemical feed system;

(7) documentation of the facility's method for determining turnover rates as described in §265.305(c) of this title (relating to Circulation and Disinfectant Systems for Public Interactive Water Features and Fountains (PIWFs));

(8) documentation that the turnover rates meet the requirements as described in §265.305(c) of this title;

(9) documentation of any *Cryptosporidium* testing required by this subchapter;

(10) documentation of supplemental water treatment conducted as required in §265.308(f) of this title (relating to Closure of a Public Interactive Water Feature and Fountain); and

(11) documentation of the date of construction of the PIWF.

§265.304. Water Supply and Wastewater Disposal.

(a) Water supply. The initial water supply of a public interactive water feature or fountain (PIWF) shall be potable water.

(b) Water distribution system. All portions of the water distribution system serving a PIWF shall be protected against backflow and back siphonage. For purposes of these rules, this means a high hazard preventer such as a reduced-pressure-principle blackflow preventer meeting the requirements of American Society of Sanitary Engineering ASSE Standard 1013 2009, as amended, and approved for use in potable water systems possibly subjected to backsiphonage or high backpressure. An air-gap designed to ASME Standard A112.1.2 is an acceptable high-hazard backflow preventer. No direct mechanical connection shall be made between the chlorinating equipment or system of piping for the PIWF and a sanitary sewer system, septic system, or other wastewater disposal system.

(c) Hose bibs. Hose bibs shall be protected with a vacuum beaker.

(d) Backwash water. Filter backwash water or drainage water from a PIWF shall be discharged or disposed of as wastewater in accordance with the requirements of the Texas Commission on Environmental Quality or local regulatory authority.

§265.305. Circulation and Disinfectant Systems for Public Interactive Water Features and Fountains.

(a) General circulation requirements. The circulation system consisting of pumps, piping, filters, return inlets, water conditioning equipment, disinfection equipment, surge chamber, treatment tank and other ancillary equipment shall provide adequate circulation of water and be designed to accommodate 100% of the turnover flow rate and maintain the distribution of disinfectant through all parts of the public interactive water feature or fountain (PIWF).

(b) Circulation equipment. Where circulation equipment falls within the scope of NSF and ANSI Standard 50 (NSF/ANSI-50 Standard), such equipment shall meet the standard. Conformity with NSF/ANSI-50 as evidenced by the listing or labeling of such equipment by a testing laboratory or by separate documentation is required.

(c) Turnover rate. The turnover rate for the circulation of water in a PIWF that is combined or circulated with water from a pool shall be the same as the pool. The turnover rate for circulation of water in a stand-alone PIWF shall meet the following requirements.

(1) If the PIWF was constructed prior to May 1, 2010, the turnover rate shall meet the minimum design turnover rate for that PIWF.

(2) If the PIWF is constructed or extensively remodeled on or after May 1, 2010 the minimum turnover rate shall be at least once every hour.

(d) Treatment tank. The treatment tank shall:

(1) be designed to provide ready access for cleaning and inspections, and be capable of complete draining;

(2) have an automatic water level controller; and

(3) have any makeup water introduced into the treatment tank through an air gap or by another method which will prevent back flow and back-siphonage.

§265.306. Water Quality at Public Interactive Water Features and Fountains.

(a) Public interactive water features and fountains (PIWF) constructed prior to May 1, 2010, shall be equipped with equipment capable of maintaining chemical levels as required in subsection (c) of this section, referring to disinfection and cyanuric acid levels, and subsection (d) of this section, referring to pH, at all times the PIWF is open.

(b) PIWFs constructed or extensively remodeled on or after May 1, 2010, shall be equipped with automatic disinfectant and pH feed equipment that provides continuous and effective disinfection and maintains the required pH at all times the PIWF is open. Disinfection, pH, and any other chemical control equipment shall:

(1) be capable of automatically adjusting chemical feed based on demand;

(2) be installed, maintained, operated, and repaired in accordance with manufacturer's instructions;

(3) be provided with make-up water supply lines to chemical feeder solution containers that have an air gap or other acceptable cross-connection control;

(4) be designed to prevent siphoning from the recirculation system to the solution container and to prevent siphoning of the chemical solution into the PIWF; and

(5) incorporate failure-proof features so that the chemical cannot feed into the PIWF, the piping system, or the water supply system if equipment or power fails, or if there is not adequate return flow to properly disperse the chemical.

(c) Disinfectant and cyanuric acid levels shall meet the following criteria at any time a PIWF is open or in use:

Figure: 25 TAC §265.306(c)

Disinfectant and Cyanuric Acid Levels	Minimum	Ideal	Maximum
Free Available Chlorine	1.0 ppm	3.0 - 5.0 ppm	8.0 ppm
Bromine	2.5 ppm	5.5 - 7.5 ppm	12.0 ppm
Combined Chlorine: Out-of-Door Facilities Only	0.0 ppm	0.0 ppm	1.5 ppm
Combined Chlorine: Indoor Facilities Only	0.0 ppm	0.0 ppm	0.5 ppm
Cyanuric Acid (Stabilizer) - Out-of-Door Facilities Only	0.0 ppm	20 ppm	50 ppm
Cyanuric Acid (Stabilizer) - Indoor Facilities	0.0 ppm	0.0 ppm	0.0 ppm

(d) The pH shall meet the following criteria at any time a PIWF is open or in use:

Figure: 25 TAC §265.306(d)

pH Levels	Minimum	Ideal	Maximum
pH	Not less than 7.0	7.4 - 7.6	7.8

(e) Forms of chlorine containing stabilizer (cyanuric acid) shall not be used in indoor PIWFs.

(f) Chemicals used in a PIWF shall:

(1) be registered and labeled for use in recreational aquatic facilities, such as pools and spas, by the United States Environmental Protection Agency (EPA);

(2) be used according to the chemical manufacturer's instructions for the chemical feed system in use; and

(3) comply with the NSF/ANSI-50 Standard certification for the chemical feed system.

(g) In addition to maintaining sanitizer, cyanuric acid, and pH levels as required in this section, and except as provided in subsections (j) and (l) of this section, PIWFs shall be equipped with a supplemental water treatment system that will protect the public against infection by the parasite, *Cryptosporidium*.

(1) Supplemental water treatment systems for a PIWF include:

(A) UV light disinfection installed after filtration;

(B) ozone;

(C) a NSF/ANSI-50 product, combination of products, or process to control *Cryptosporidium*; or

(D) weekly hyperchlorination following the Center for Disease Control's Recommendations for Aquatics Operators of Treated Venues "Hyperchlorination to Kill *Cryptosporidium*" available on the CDC's website: www.cdc.gov/healthyswimming/; or

(E) an equivalent product, process, or system approved by the department.

(2) Except as provided in subsections (j) and (l) of this section, water from a PIWF shall not be combined or circulated with water of other water features or pools unless:

(A) all of the water either into or from the PIWF is treated with a supplemental water treatment system prior to combining or circulating with water from other water features or pools; or

(B) all of the water in the other water features or pools that is combined or circulated with water from the PIWF is treated with a supplemental water treatment system.

(h) UV light disinfection systems shall:

(1) conform to the NSF/ANSI-50 Standard relating to Equipment for Pools, Spas, Hot Tubs, and Other Recreational Water Facilities;

(2) provide a validated dosage confirmed by a third party validation which results in a 3 log kill of *Cryptosporidium*;

(3) provide a validated dosage equivalent to 40mJ/cm^2 or greater at the end of lamp life;

(4) include an automatic audible alarm to warn of a UV light disinfection unit malfunction or impending shutdown;

(5) be equipped with an automatic mechanism for shutting off the power to the UV light source whenever the protective UV unit cover is removed; and

(6) be installed in an enclosure designed to protect the operator against electrical shock or excessive radiation and that provides protection from UV exposure.

(i) Ozone disinfection systems shall meet the standards in the EPA Guidance Manual for Alternative Disinfectants and Oxidants, EPA Publication 815-R-99-014, April 1999, as amended, available at: http://www.epa.gov/safewater/mdbp/alternative_disinfectants_guidance.pdf.

(j) Operators of stand-alone PIWFs constructed prior to May 1, 2010, in addition to maintaining sanitizer, cyanuric acid, and pH levels as required in this section shall:

(1) implement a supplemental water treatment system that will protect the public against infection by the parasite, *Cryptosporidium*; or

(2) test the water of the PIWF for *Cryptosporidium* every 14 days during operation.

(k) Operators of stand-alone PIWFs constructed or extensively remodeled after May 1, 2010 shall, in addition to maintaining sanitizer, cyanuric acid, and pH levels as required in this section, implement a supplemental water treatment system that will protect the public against infection by the parasite, *Cryptosporidium*.

(l) Operators of all PIWFs constructed prior to May 1, 2010, and that share a water supply, disinfection system, filtration system, circulation system or any other treatment system that allows water to co-mingle with a pool, in addition to maintaining sanitizer, cyanuric acid, and pH levels as required in this section shall:

(1) implement a supplemental water treatment system that will protect the public against infection by the parasite, *Cryptosporidium*; or

(2) test the water of the PIWF for *Cryptosporidium* every 30 days during operation.

(m) Operators of all PIWFs constructed or extensively remodeled after May 1, 2010, and that share a water supply, disinfection system, filtration system, circulation system, or any other treatment system that allows water to co-mingle with a pool, shall in addition to maintaining sanitizer, cyanuric acid, and pH levels as required in this section implement a supplemental water treatment system that will protect the public against infection by the parasite, *Cryptosporidium*.

(n) A water quality testing device or kit capable of accurately testing for and measuring pH, free and total chlorine, bromine, and cyanuric acid within the chemical ranges as required in this section shall be provided by the PIWF owner or operator.

(1) Free available chlorine and bromine levels shall be determined by use of the DPD method or its equivalent.

(2) Test reagents shall be properly stored and replaced at frequencies recommended by the manufacturer to assure accuracy of the tests.

(3) The water quality testing device or kit shall conform to the NSF/ANSI-50 Standard relating to Equipment for Pools, Spas, Hot Tubs, and Other Recreational Water Facilities.

(o) When a PIWF is open for use, tests for chlorine or bromine levels and pH shall be conducted to comply with the following:

(1) If the PIWF is equipped with automatic disinfectant and pH feed equipment that provides continuous and effective disinfection and maintains the required pH, and that system continually monitors and automatically controls chlorine or bromine levels and pH, testing for chlorine or bromine and pH of the PIWF water shall be conducted at least once during each day the PIWF is in operation.

(2) If the PIWF is not equipped with automatic disinfectant and pH feed equipment that provides continuous and effective disinfection and maintains the required pH and that continually monitors and automatically controls chlorine or bromine levels and pH, testing for chlorine or bromine and pH of the PIWF water shall be conducted at least twice a day, once immediately prior to opening the PIWF and once midway through the period of time it is open for use, during each day the PIWF is in operation.

(3) Tests for cyanuric acid levels shall be conducted at least once every 7 days of operation when chlorine containing stabilizer is in use.

(p) Records of all testing performed at a PIWF shall be kept for 2 years and, if kept on site, shall be made available during inspection by the regulatory authority. If the records are kept in a separate location off site they shall be provided to the regulatory authority within 5 working days following the inspection.

(q) If the water of a PIWF is sampled and tested for bacterial content the sample shall not:

(1) exceed 200 bacteria per milliliter as determined by heterotrophic plate count; or

(2) indicate the presence of total coliform organisms in a 100 milliliter sample by any of the following methods:

(A) multiple tube;

(B) membrane filter; or

(C) the Minimal Medium ONPG-MUG test described in the Code of Federal Regulations, Title 40, Part 141.

§265.307. Inspections and Permitting of Public Interactive Water Features and Fountains.

(a) A county, municipality, or the department may:

(1) require that the owner or operator of a public interactive water feature or fountain (PIWF) obtain a permit for operation of the water feature or fountain;

(2) inspect a PIWF for compliance with this subchapter; and

(3) require that the PIWF is tested for *Cryptosporidium* when the illness Cryptosporidiosis is diagnosed in an individual that has used that PIWF.

(b) A department or local regulatory representative, upon presenting credentials, shall have the right to enter at all reasonable times any area or environment, including but not limited to the PIWF facility, building, storage area, equipment room, or office area to investigate for compliance with these sections, to review records, to question any person, or to locate, to identify, and to assess the condition of the PIWF facility

(c) Advance notice or permission for inspections or investigations by the department or local regulatory authority is not required.

(d) A department or local regulatory representative shall not be impeded or refused entry in the course of the representative's official duties by reason of any state or federal law or company policy. It is a violation of the Act for a person to interfere with, deny, or delay an inspection or investigation conducted by a department or local regulatory representative.

(e) A county, municipality or the department may impose and collect a reasonable fee in connection with a permit or inspection requirement.

(f) If a county or municipality imposes and collects a fee for a permit or inspection of a PIWF the following conditions shall be met:

(1) the auditor for the county or municipality shall review the program every 2 years to ensure that the fees imposed do not exceed the cost of the program; and

(2) the county or municipality shall refund the permit holders any revenue determined by the auditor to exceed the cost of the program.

§265.308. Closure of a Public Interactive Water Feature and Fountain.

(a) A county, a municipality, or the department may by order close, for the period specified in the order, a public interactive water feature or fountain (PIWF),

(1) the operation of the PIWF violates this subchapter;

(2) the operation of the PIWF violates a permitting or inspection requirement imposed under the Act, this subchapter, or as authorized by the Act or this subchapter; or

(3) the water in the PIWF tests positive for the presence of *Cryptosporidium*.

(b) The closure order is effective immediately with or without notice and without a hearing to the PIWF owner or operator.

(c) If the order is issued under this section without a hearing, the department shall conduct a hearing no later than the 10th calendar day after the closure order to affirm, modify, or set aside the order.

(d) The hearing and appeal are governed by the department's rules in 25 Texas Administrative Code, Chapter 1, Subchapter B, regarding Formal Hearing Procedures, and Government Code, Chapter 2001.

(e) A PIWF shall be considered closed when the following conditions are met:

(1) a notice is posted at the public entrance of the PIWF notifying the public that the PIWF is closed; and

(2) water is shut off to all features of the PIWF.

(f) When water from a PIWF tests positive for the presence of *Cryptosporidium* the owner or operator shall close the PIWF and notify the appropriate regulatory authority. The PIWF shall not reopen until:

(1) the PIWF is hyperchlorinated following the Center for Disease Control's (CDC) Recommendations for Aquatics Operators of Treated Venues "Hyperchlorination to Kill *Cryptosporidium*" available on the CDC's website: www.cdc.gov/healthyswimming/; and

(2) documentation verifying that proper hyperchlorination procedure was followed by methodology the same as or equivalent to the CDC's "Water Contamination Response Log" available at: www.cdc.gov/healthyswimming/ is supplied to the appropriate regulatory authority.

SCHEDULE OF VALUES

SUE YOUNG SPRAY PARK

ITEM #	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS	CLEAR AND GRUB	$ 2,000.00	$ 2,000.00
2	1	LS	SWPPP	$ 5,000.00	$ 5,000.00
3	800	LF	TEMPORARY CONSTRUCTION FENCE	$ 5.00	$ 4,000.00
4	1	EA	CONSTRUCTION PROJECT SIGN	$ 3,000.00	$ 3,000.00
5	285	CY	EXCAVATION CUT TO WASTE	$ 15.00	$ 4,275.00
6	1	EA	WATER METER SERVICE	$ 5,000.00	$ 5,000.00
7	50	LF	1" WATER LINE AND CONNECTIONS	$ 25.00	$ 1,250.00
8	1	EA	SEWER TAP	$ 10,000.00	$ 10,000.00
9	550	LF	4" SEWER LINE	$ 35.00	$ 19,250.00
10	1	EA	BACK FLOW PREVENTER	$ 3,500.00	$ 3,500.00
11	1	EA	PRESSURE REGULATOR	$ 2,000.00	$ 2,000.00
12	800	SF	4" SIDEWALKS	$ 4.00	$ 3,200.00
13	800	SF	CONCRETE PADS FOR SHADE CANOPIES	$ 5.00	$ 4,000.00
14	4	EA	PICNIC TABLES	$ 3,500.00	$ 14,000.00
15	4	EA	BENCHES	$ 2,200.00	$ 8,800.00
16	4	EA	TRASH RECEPTACLES	$ 1,500.00	$ 6,000.00
17	2	EA	16 FT X 16 FT FABRIC SHADE CANOPIES	$ 15,000.00	$ 30,000.00
18	1	LS	IRRIGATION SYSTEM	$ 50,347.00	$ 50,347.00
19	14	EA	4" CALIPER TREES	$ 977.00	$ 13,678.00
20	1	EA	LANDSCAPING	$ 5,000.00	$ 5,000.00
21	4500	SF	NEW GRASS	$ 1.00	$ 4,500.00
22	1	EA	POWER SERVICE	$ 7,500.00	$ 7,500.00
23	4	EA	LED'S LIGHTING /W METAL POLES	$ 7,000.00	$ 28,000.00
24	500	LF	ELECTRICAL CONDUIT W/ WIRING	$ 10.00	$ 5,000.00
25	1	EA	ELECTRICAL SERVICE FOR SPRAY CONTROLLER 208/230 V SINGLE OR THREE PHASE	$ 4,000.00	$ 4,000.00
26	1	LS	DESING	$ 75,000.00	$ 75,000.00
27	1	LS	LABORATORY TESTING	$ 3,500.00	$ 3,500.00
28	1	LS	SPLASH PAD CONCRETE, EQUIPMENT, FILTRATION SYSTEM AND EQUIPMENT ROOM	$400,000.00	$ 400,000.00
29	1	EA	RINSE STATION	$ 4,000.00	$ 4,000.00
28	1	LS	MOBILIZATION(1%), MANAGEMENT (2%), INSURANCES AND BOND (2%)	$ 38,200.00	$ 38,200.00
			TOTAL AMOUNT		$ 764,000.00

Black Stallion

SCHEDULE OF VALUES

HIDDEN VALLEY SPRAY PARK

ITEM #	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS	CLEAR AND GRUB	$ 3,500.00	$ 3,500.00
2	1	LS	SWPPP	$ 5,000.00	$ 5,000.00
3	800	LF	TEMPORARY CONSTRUCTION FENCE	$ 5.00	$ 4,000.00
4	1	EA	CONSTRUCTION PROJECT SIGN	$ 3,000.00	$ 3,000.00
5	285	CY	EXCAVATION CUT TO WASTE	$ 15.00	$ 4,275.00
6	250	TONS	SELECT ENGINEERING BACK FILL	$ 20.00	$ 5,000.00
7	1	EA	WATER METER SERVICE	$ 5,000.00	$ 5,000.00
8	100	LF	1" WATER LINE AND CONNECTIONS	$ 25.00	$ 2,500.00
9	1	EA	SEWER TAP	$ 10,000.00	$ 10,000.00
10	150	LF	4" SEWER LINE	$ 35.00	$ 5,250.00
11	1	EA	BACK FLOW PREVENTER	$ 3,500.00	$ 3,500.00
12	1	EA	PRESSURE REGULATOR	$ 2,000.00	$ 2,000.00
13	1000	SF	4" SIDEWALKS	$ 4.00	$ 4,000.00
14	1	LS	IRRIGATION SYSTEM	$ 50,200.00	$ 50,200.00
15	15	EA	4" CALIPER TREES	$ 977.00	$ 14,655.00
16	6500	SF	NEW GRASS	$ 1.00	$ 6,500.00
17	1	EA	POWER SERVICE	$ 7,500.00	$ 7,500.00
18	800	LF	ELECTRICAL CONDUIT W/WIRING #2	$ 25.00	$ 20,000.00
19	1	EA	ELECTRICAL SERVICE FOR SPRAY CONTROLLER 208/230 V SINGLE OR THREE PHASE	$ 4,000.00	$ 4,000.00
20	1	LS	RINSE STATION	$ 4,000.00	$ 4,000.00
21	1	LS	DESING	$ 70,000.00	$ 70,000.00
22	1	LS	LABORATORY TESTING	$ 4,000.00	$ 4,000.00
23	1	LS	SPLASH PAD CONCRETE, EQUIPMENT, FILTRATION SYSTEM AND EQUIPMENT ROOM	$422,320.00	$ 422,320.00
24	1	LS	MOBILIZATION(1%), MANAGEMENT(2%), INSURANCES AND BOND(2%)	$ 34,000.00	$ 34,000.00
			TOTAL ESTIMATE		**$694,200.00**

Black Stallion

SCHEDULE OF VALUES

GRANDVIEW SPRAY PARK

ITEM #	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS	DEMOLITION	$ 15,000.00	$ 15,000.00
2	1	LS	SWPPP	$ 4,000.00	$ 4,000.00
3	600	LF	TEMPORARY CONSTRUCTION FENCE	$ 5.00	$ 3,000.00
4	1	EA	CONSTRUCTION PROJECT SIGN	$ 3,000.00	$ 3,000.00
5	285	CY	EXCAVATION CUT TO WASTE	$ 15.00	$ 4,275.00
6	250	TONS	SELECT ENGINEERING BACK FILL	$ 20.00	$ 5,000.00
7	1	EA	WATER METER SERVICE	$ 5,000.00	$ 5,000.00
8	50	LF	1" WATER LINE AND CONNECTIONS	$ 25.00	$ 1,250.00
9	1	EA	SEWER TAP	$ 10,000.00	$ 10,000.00
10	50	LF	4" SEWER LINE	$ 35.00	$ 1,750.00
11	1	EA	BACK FLOW PREVENTER	$ 3,500.00	$ 3,500.00
12	1	EA	PRESSURE REGULATOR	$ 2,200.00	$ 2,200.00
13	800	SF	4" SIDEWALKS	$ 4.00	$ 3,200.00
14	1	LS	IRRIGATION SYSTEM	$ 59,900.00	$ 59,900.00
15	12	EA	4" CALIPER TREES	$ 977.00	$ 11,724.00
16	1000	SF	NEW GRASS	$ 1.00	$ 1,000.00
17	1	LS	NEW LANDSCAPING	$ 5,000.00	$ 5,000.00
18	1	EA	POWER SERVICE WITH NEW BOX TO COMBINE BOTH SERVICES	$ 15,000.00	$ 15,000.00
19	1	EA	ELECTRICAL SERVICE FOR SPRAY CONTROLLER 208/230 V SINGLE OR THREE PHASE	$ 4,000.00	$ 4,000.00
20	1	LS	RINSE STATION	$ 4,000.00	$ 4,000.00
21	1	LS	DESING	$ 75,460.00	$ 75,460.00
22	1	LS	LABORATORY TESTING	$ 4,000.00	$ 4,000.00
23	1	LS	SPLASH PAD CONCRETE,EQUIPMENT, FILTRATION SYSTEM AND EQUIPMENT ROOM	$435,182.00	$ 435,182.00
24	1	LS	MOBILIZATION(1%), MANAGEMENT(2%), INSURANCES AND BOND(2%)	$ 34,759.00	$ 34,759.00
			TOTAL ESTIMATE		$711,200.00

CIP Project Award

Spray Parks Phase I

District No's. 2, 3 & 4 Spray Parks Phase I – Second Amendment Guaranteed Maximum Price:

Solicitation No. 2016-268R

April 19, 2016

CIP Project Award

Spray Parks Phase I

<u>Strategic Plan Goal</u>:

3) Promote the Visual Image of El Paso

4) Enhance El Paso's Quality of Life through Recreational, Cultural and Educational Environments

Spray Parks Phase I – Guaranteed Maximum Price

Project Manager	Carlos Adame
District	2, 3 & 4
Approved Budget	CDBG: Sue Young: $1,058,500.00 Grandview: $ 883,900.00 Hidden Valley: $ 864,700.00 Total $2,807,100.00
Source(s) of Funding	Community Development Block Grant 40th Year

Spray Parks Phase I – Guaranteed Maximum Price

Project Limits

Sue Young Park (District No. 4)

Diana Dr. and Stahala Dr.

Grandview Park (District No. 2)

Jefferson Ave. and Justus St.

Spray Parks Phase I – Guaranteed Maximum Price

Themes

Sue Young Park (District No. 4)

Soccer Theme

Grandview Park (District No. 2)

Watergarden Theme

Spray Parks Phase I – Guaranteed Maximum Price

Project Limits

Hidden Valley Park (District No. 3)

Coconut Tree Ln. and Granite Rd.

Spray Parks Phase I – Guaranteed Maximum Price

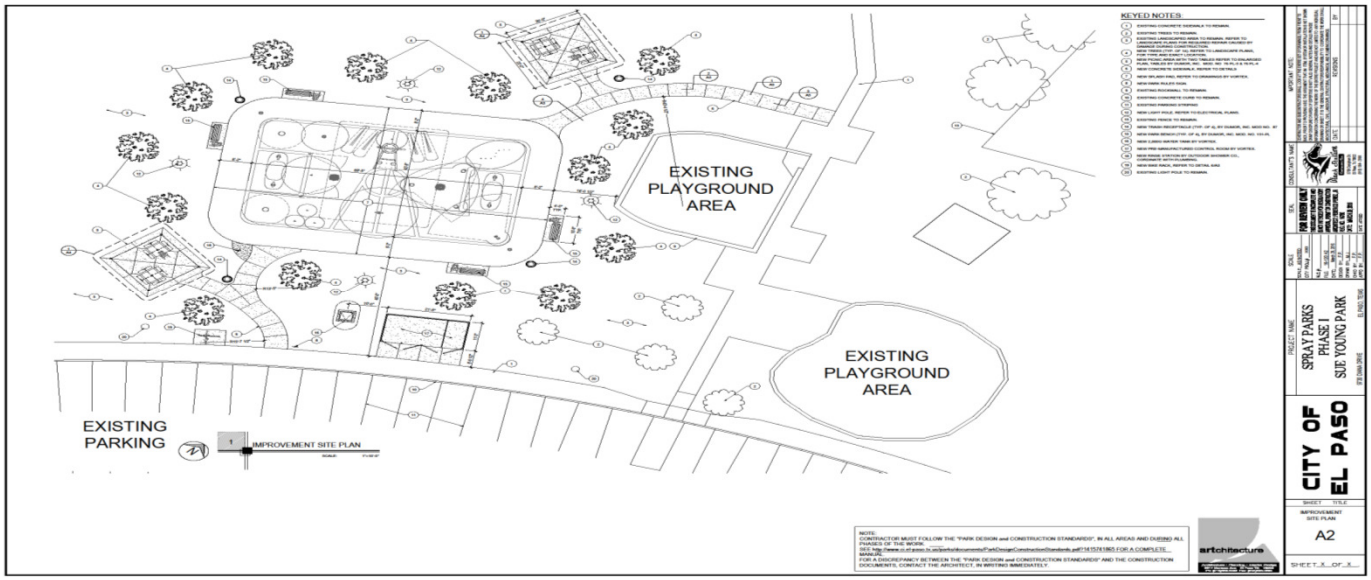
Themes

Hidden Valley Park (District No. 3)

Western / Desert Theme

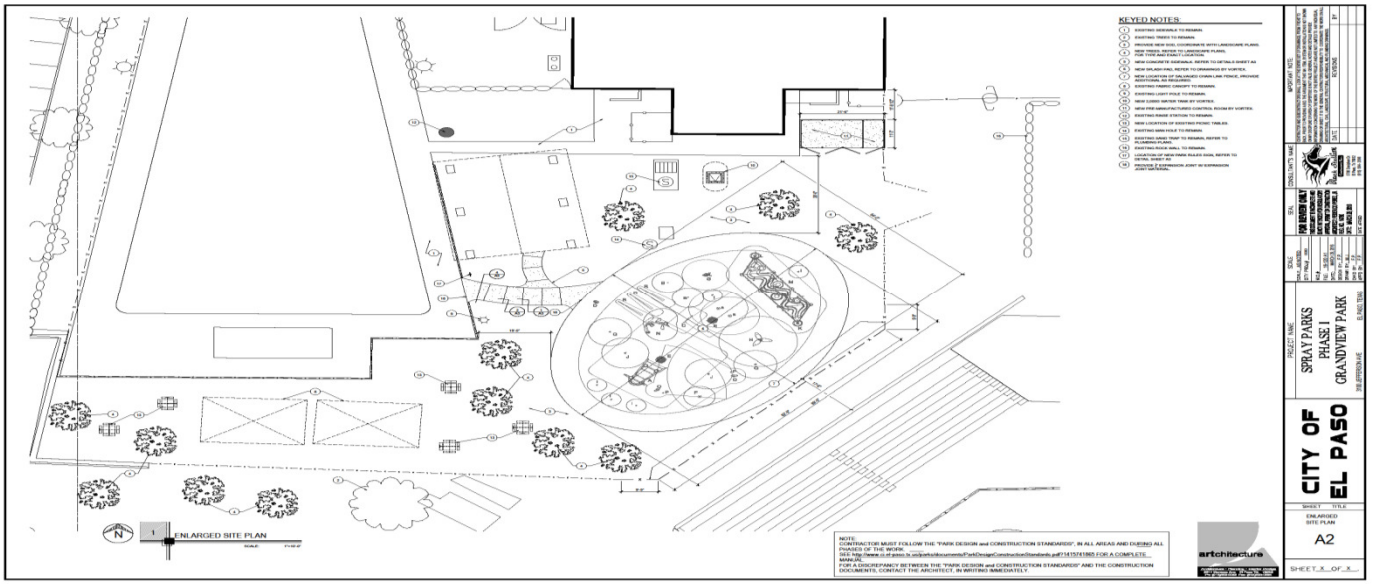
Spray Parks Phase I – Guaranteed Maximum Price

Sue Young Site Plan



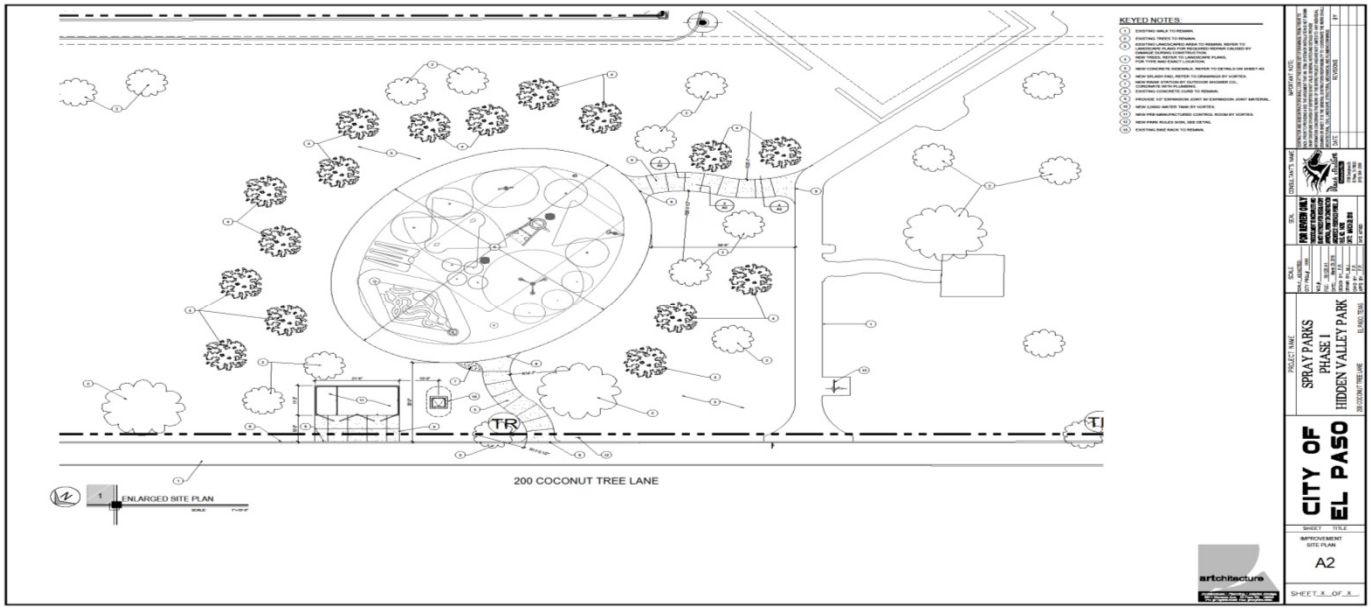
Spray Parks Phase I – Guaranteed Maximum Price

Grandview Site Plan



Spray Parks Phase I – Guaranteed Maximum Price

Hidden Valley Site Plan



Spray Parks Phase I – Guaranteed Maximum Price

Scope of Work (typical)

Sue Young Park:

- Installation of 25 spray park features
- Installation of concrete pad
- Installation of Filtration System and Spray Controller Station
- Installation of Decorative Non-slip coating
- Installation of benches, trash receptacles, picnic units and canopies
- Installation of trees
- New sod on affected areas

Spray Parks Phase I – Guaranteed Maximum Price

Scope of Work (typical)

Grandview Park:

- **Installation of 29 spray park features**
- **Installation of concrete pad**
- **Installation of Filtration System and Spray Controller Station**
- **Installation of Decorative Non-slip coating**
- **Installation of trees**
- **New sod on affected areas**

Spray Parks Phase I – Guaranteed Maximum Price

Scope of Work (typical)

Hidden Valley Park:

- **Installation of 24 spray park features**
- **Installation of concrete pad**
- **Installation of Filtration System and Spray Controller Station**
- **Installation of Decorative Non-slip coating**
- **Installation of trees**
- **New sod on affected areas**

Spray Parks Phase I – Guaranteed Maximum Price

SPRAY PARK SCHEDULE

Sites: Sue Young Park, Hidden Valley Park, Grandview Park, and Pavo Real Park

Milestones	Time Period	Completion Due Date
Infrastructure Work Proposal	Feb. 22, 2016	February 22, 2016
Infrastructure Proposal Negotiations	Feb. 22 to Feb 26, 2016	February 26, 2016
Council award of Preconstruction Services	Feb. 23, 2016	February 23, 2106
Preconstruction Services Notice to Proceed	Feb. 29, 2016	February 29, 2106
Preconstruction Preliminary Design Services	Feb. 29 to Mar. 29, 2016	March 29, 2106
Council award of Infrastructure Work	Mar. 8, 2016	March 8, 2016
Infrastructure Work Notice to Proceed	Mar. 14, 2016	March 14, 2106
Infrastructure Work	Mar. 14 to June 13, 2016	June 13, 2106
Preliminary Design Review	Mar. 30 to April 6, 2016	April 6, 2106
Final Design Notice to Proceed	April 7 to 14, 2016	April 14, 2106
Submission of Design-Builder Proposal (GMP)	April 14, 2016	April 14, 2106
Negotiation-Guaranteed Maximum Price (GMP)	April 14 to 21, 2016	April 21, 2106
Council award of GMP	May 10, 2016	May 10, 2106
Construction Notice to Proceed	May 16, 2016	May 16, 2106

Spray Parks Phase I – Guaranteed Maximum Price

SPRAY PARK SCHEDULE

Sites: Sue Young Park, Hidden Valley Park, Grandview Park, and Pavo Real Park

Milestones	Time Period	Completion Due Date
Construction to Substantial Completion	May 16 to Dec. 1, 2016	December 1, 2106
To Final Completion and Closeout	Dec. 2 to Dec. 31, 2016	December 31, 2106

Project Highlights

Sue Young Spray Park Opening	August 24, 2016
Grandview Spray Park Opening	September 1, 2016
Hidden Valley Spray Park Opening	October 20, 2016
Pavo Real Spray Park Opening	December 1, 2016

Spray Parks Phase I – Guaranteed Maximum Price

Recommendation

- Second Amendment
  - Sue Young Park Guaranteed Maximum Price - $527,845.00
  - Grandview Park Guaranteed Maximum Price - $530,000.00
  - Hidden Valley Guaranteed Maximum Price - $557,260.00

- Contractor: Black Stallion Contractor's Inc.

- Completion Dates
  - Sue Young Park - July 15, 2016
  - Grandview Park - October 3, 2016
  - Hidden Valley Park – November 11, 2016

Spray Parks Phase I – Guaranteed Maximum Price

Upcoming Council Action

- Third Amendment Guaranteed Maximum Price
  - Pavo Real Park Guaranteed Maximum Price
  - May, 2016

- Contractor: Black Stallion Contractor's Inc.

Spray Park Phase I – Guaranteed Maximum Price

Questions & Comments