

TULSA COUNTY

PURCHASING
DEPARTMENT

MEMO

DATE: February 13, 2019

FROM: Megan Blackford
Assistant Purchasing Director 

TO: Board of County Commissioners

SUBJECT: Change Order #4 – Magnum Construction, Inc.

We respectfully request the Board of County Commissioners approve Change Order #4 to the agreement with Magnum Construction, Inc. for the Chandler Water Play Area approved in the Board of County Commission meeting, August 6, 2018, CMF# 245580.

This change order provides for floor drains for backwashing the splash pad pumps and provides rain diverter for splash pad.

The contract time is unaffected by this change order. The contract sum will be increased by this change order in the amount of \$23,700.00 which is within the allowable amount for change order as per O.S. 61. The revised total contract sum is \$2,340,390.00.

MLB / skb

ORIGINAL: Michael Willis, County Clerk, for the February 19, 2019 agenda.



Board of County Commissioners
c/o Matney Ellis, Director of Purchasing
Tulsa County Administration Building
500 S. Denver, Room 322
Tulsa, OK 74107

Date: February 8, 2019
Vision 2025 Project: Chandler Water Play Area

Subject: Change Order No. 4
Contractor: Magnum Construction

Subfund: **J8**
Contract Description: General Contract

Dear Mr. Ellis,

PMg respectfully requests the consideration and approval by the Board of County Commissioners of Change Order Number Four (4) to Magnum Construction contract for construction work at the Chandler Water Play Area. Tulsa County Parks has reviewed these changes and agrees with our recommendation. Approval of this request would add \$23,700.00 to the original contract amount.

PMg is familiar with the requested item and the justification for the change follows the item description below:

- | | |
|---|-------------|
| 1. Provide floor drains for backwashing splash pad pumps. | \$7,600.00 |
| 2. Provide rain diverter for splash pad. | \$16,100.00 |

Justification: Work not specified in contract, but essential to completion of project.

Total Change Order #4	\$23,700.00
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Funding for this change order is available in the budget.

Respectfully submitted,
Program Management Group, LLC

Tanita A White
Program Manager

Cc: R. Bales

Contract Summary

Original Contract Amount	\$2,348,100.00
Previous Changes	(\$31,410.00)
This Change.....Add.....	\$23,700.00
Revised Contract Amount if accepted	\$2,340,390.00



P.O. Box 707 - Broken Arrow, OK 74013-0707
Ph (918) 251-8667 / Fx (918) 251-1025

Change Order

PROJECT:	Chandler Park Fun Zone Splashpark & Playground	Change Order No.	Four	
	8500 West 21st Street		Date: February 7th, 2019	
	Tulsa, OK 74107		Project No. MCI - 1828	
CONTRACTOR:	Magnum Construction, Inc.	Contract Date	August 6, 2018	
	PO Box 707		Contract For	General Contractor
	Broken Arrow, OK 74013			

The Contract is changed as follow:

Provide floor drains for backwashing splash pad pumps. Provide rain diverter for splash pad.

The original Contract Sum was	\$2,348,100.00
The net change by previously authorized Change Orders	(\$31,410.00)
The contract Sum prior to this Change Order was	\$2,316,690.00
The Contract Sum will be increased by this Change Order in the amount of	\$23,700.00
The new Contract Sum including this Change Order will be	\$2,340,390.00
The Contract Time will be increased by	N/A
The date of Substantial Completion as of the date of this Change Order	July 3, 2019

NOTE: This summary does not reflect changes in the Contract Sum or Time which have been authorized by Construction Change Directives.

Howell & Vancuren, Inc
601 S. Lewis Ave
Tulsa, OK 74104

Signature

Joe Howell

(typed or printed name)

2/7/19

Date

Magnum Construction, inc.
PO Box 707
Broken Arrow, OK 74012

Signature

Robert Carcher

(typed or printed name)

2/7/19

Date

Tulsa County Board of Commissioners
500 S Denver Ave
Tulsa, OK 74103

Signature

(typed or printed name)

Date

Approved as to form:

Nolan M. Fields IV 2-13-19
Asst. Dist. Atty.



Change Order #004

DATE: February 7th, 2019

PROJECT: Chandler Park Fun Zone Splashpark & Playground

CONTRACTOR:
Magnum Construction, Inc.
PO Box 707
Broken Arrow, OK 74013

CONSULTANT:
Howell & Vancuren, Inc
601 S Lewis Ave
Tulsa, OK 74104

BRIEF DESCRIPTION OF CHANGE:

Changes associated with the following PR's:

PR #7 – Provide floor drains for backwashing splash pad pumps.	Add \$7,600.00
PR #8 – Provide rain diverter for splash pad.	Add \$16,100.00

BRIEF DESCRIPTION OF TIME DELAY:

No additional days needed.

REASON FOR CHANGE:

- Unforeseen Site Condition Scope Change: Owner Request
- Work not specified in Contract Documents, but essential to completion of the project
- Other (Describe):
-



P.O. Box 707
Broken Arrow, OK 74013

Robert Richardson
Ph: (918) 592-1270

February 6, 2019

Project:

Chandler Park Splash Park and Playground
6500 West 21st Street
Tulsa, OK 74107

Proposal Request No. 8

Install a rain diverter for the splash pad per
Howell & Vancuren's sketch dated 12/5/18.

add \$ 16,100.00

Note:

A handwritten signature in black ink, appearing to read "Robert Catcher", written over a horizontal line.

Robert Catcher
Project Manager

CONSTRUCTION COST ESTIMATE BREAKDOWN

DATE: 6-Feb-19
CHANGE PROPOSAL REQUEST NO.: 8

From:
Magneta Construction, Inc.
P O Box 707
Broken Arrow, OK 74013-0707

To:
Howell & Vancuren
601 S Lewis Ave
Tulsa, Okla 74104-3327

Contact:
Robert Richardson
Ph: (918) 582-7129
Fax: (918) 582-7192
email: richardson@howellvancuren.com

Project:
Chandler Park Fun Zone Splashpark & Playground
6500 West 21st Street
Tulsa, OK 74107

DESCRIPTION OF WORK TO BE PERFORMED
Construct rain diverter per Howell & Vancuren's sketch.

LINE NO	ITEM	QUANTITY	UNIT OF MEASURE	MATERIAL COST		LABOR COST		EQUIPMENT		OTHER COSTS		SUB	MCI TOTAL	
				UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL			
	Storm Piping	1.00	LS	-	0.00	-	0.00	-	0.00	-	0.00	4,700.00	4,700.00	
	Valve	1.00	LS	5,858.00	5,858.00	-	0.00	-	0.00	-	0.00		5,858.00	
	Electrical	1.00	LS	-	0.00	-	0.00	-	0.00	-	0.00	3,217.54	3,217.54	
	SUBTOTAL				5,858.00		0.00		0.00		0.00	7,917.54	13,775.54	
	SALES TAX & LABOR BURDEN				0.00		38.99%		0.00			taxes and payroll burden	0.00	
	TOTAL DIRECT COST											Sub-total cost of work	13,775.54	
												G&A	5.00%	688.78
												subtotal		14,464.32
												Profit	10.00%	1,446.00
												subtotal		15,910.32
												Bond	1%	231.00
												TOTAL		16,141.32
														16,100.00

BY: 
Robert Calcher - Project Mgr

Additional time required for this change -----N/A Days



Change Order Pricing Summary

RFC #
004

PROJECT: CHANDLER PARK

JOB#1867

DESCRIPTION OF WORK:	ADDITION OF RAIN DIVERTER CONDUITS, POWER CIRCUITS
	EXCAVATION, CONDUIT, CONDUCTORS TO POWER PUMP, CONDUIT
	FOR LOW VOLTAGE

MATERIAL AND EQUIPMENT

Material		=	\$734.00
O&M, Labels, ID	3% of Material X	\$734.00 =	\$22.02
Consumables	10% of Material X	\$734.00 =	\$73.40
Shipping		=	\$0.00
Off-Site Storage		=	\$0.00
Temporary		=	\$0.00
Equipment Rental		=	\$453.22
MATERIAL AND EQUIPMENT SUB TOTAL			\$1,282.64
Tax @	8.52%		\$109.28
MATERIAL AND EQUIPMENT TOTAL:			\$1,391.92

LABOR

Electrician	ST Labor	55.00 X	16.00 Hrs	\$880.00
Electrician	OT Labor	82.50 X	0.00 Hrs	\$0.00
Supervisor	ST Labor	65.00 X	0.00 Hrs	\$0.00
Supervisor	OT Labor	97.50 X	0.00 Hrs	\$0.00
Estimator	Labor	45.00 X	0.00 Hrs	\$0.00
Secretary	Labor	28.00 X	0.00 Hrs	\$0.00
Project Manager	Labor	85.00 X	0.00 Hrs	\$0.00
LABOR SUB TOTAL				\$880.00
LABOR FRINGES, TAX, INSURANCE	44% of Labor			\$387.20
TOOLS	5% of Labor			\$44.00
SAFETY	1% of Labor			\$8.80
LABOR TOTAL				\$1,267.20

MARK-UP

Overhead	10%	\$265.91
Profit	10%	\$292.50

SUBCONTRACTS

Subcontracts	=	\$0.00
Subcontracts	=	\$0.00
Mark Up for Subcontracts	= 10%	\$0.00
SUBCONTRACTS TOTAL		\$0.00
Adjustment		\$0.00

TOTAL PRICE - THIS PROPOSAL \$3,217.54



P.O. Box 707
Broken Arrow, OK 74013

Robert Richardson
Ph: (918) 592-1270

November 29, 2018

Project: Chandler Park Splash Park and Playground
6500 West 21st Street
Tulsa, OK 74107

Proposal Request No. 7

Provide and install two floor drains in the equipment room for backwashing of pumps. Install approximately 354 LF of 6" PVC drain line from floor drains to the sanitary sewer line. Proposal is based upon Howell & Vancuren's Splash Park Drain Line Plan dated 11-14-18 and Magnum Construction's sketch of the floor drain locations.

add \$ 7,600.00

Note:

A handwritten signature in blue ink, appearing to read 'Robert Catcher', is written over a horizontal line.

Robert Catcher
Project Manager

CONSTRUCTION COST ESTIMATE BREAKDOWN

DATE: **29-Nov-18**
 CHANGE PROPOSAL REQUEST NO.: **7**

From:
Magnum Construction, Inc.
 P O Box 707
 Broken Arrow, OK 74013-0707

To:
 Howell & Vancuren
 601 S. Lewis Ave
 Tulsa, Okla 74104-3327

Contact:
 Robert Richardson
 Ph: (918) 582-7129
 Fax: (918) 582-7192
 email: richardson@howellvancuren.com

Project:
 Chandler Park Fun Zone Splashpark & Playground
 6500 West 21st Street
 Tulsa, OK 74107

DESCRIPTION OF WORK TO BE PERFORMED:
 Provide and install two floor drains in the mechanical room and associated piping for backwashing pumps.

LINE NO.	ITEM	QUANTITY	UNIT OF MEASURE	MATERIAL COST		LABOR COST		EQUIPMENT		OTHER COSTS		SUB	MCI TOTAL
				UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL		
	Floor Drains and Piping	1.00	LS	-	0.00	-	0.00	-	0.00	-	0.00	6,500.00	6,500.00
	SUBTOTAL				0.00		0.00		0.00		0.00	6,500.00	6,500.00
	SALES TAX & LABOR BURDEN				0.00		38.99%		0.00		taxes and payroll burden		0.00
	TOTAL DIRECT COST										Sub-total cost of work		6,500.00
											G&A 5.00%		325.00
											subtotal		6,825.00
											Profit 10.00%		683.00
											subtotal		7,508.00
											Bond 1%		109.00
											TOTAL		7,617.00
													7,600.00

BY: 
 Robert Calcher - Project Mgr.

Additional time required for this change -----N/A Days

EC Plumbing, Inc.
P.O. BOX 1593
Owasso, OK 74055

Estimate

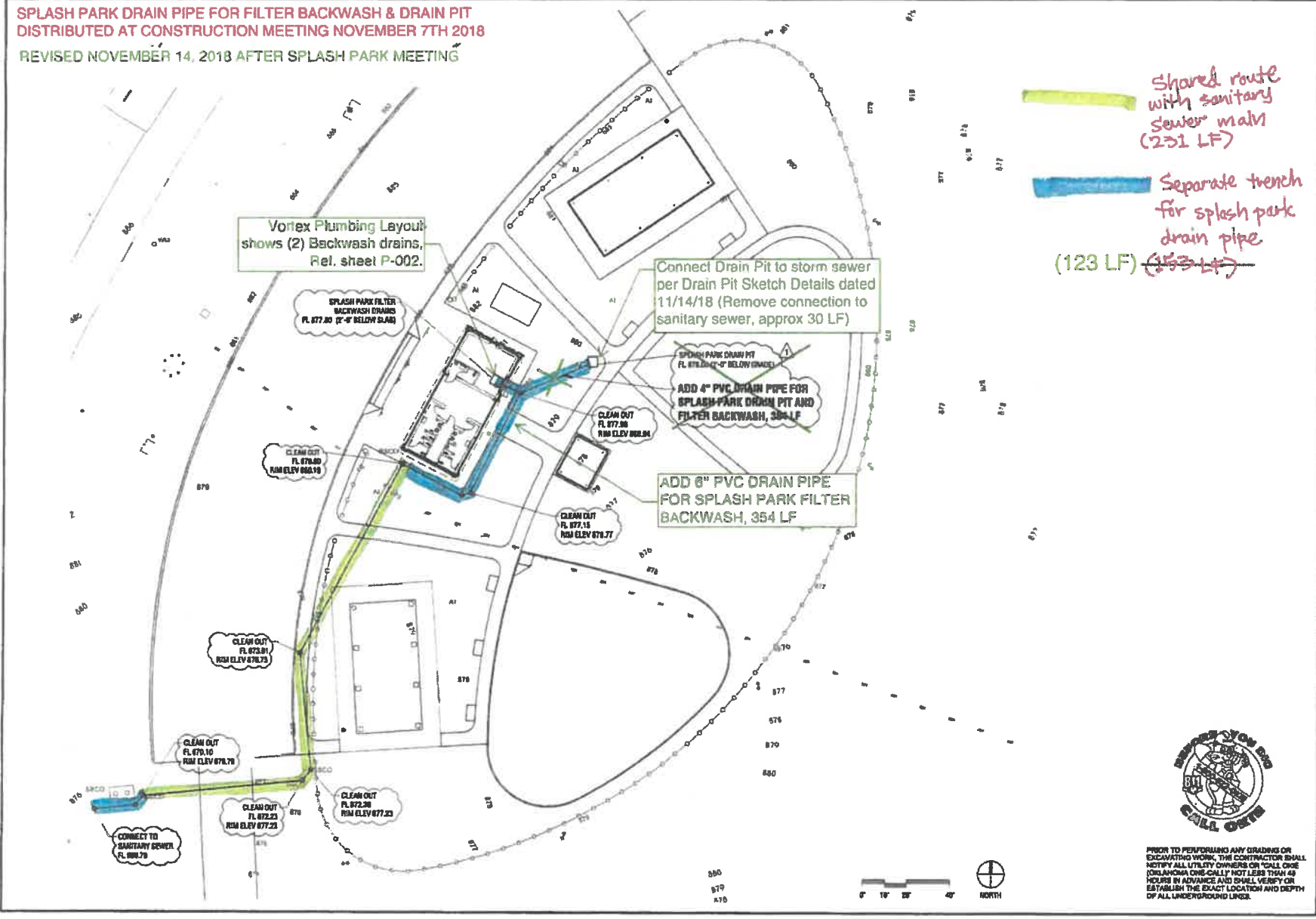
Date	Estimate #
11 23 2018	77

Name / Address
Magnum Construction PO Box 707 Broken Arrow OK 74012

Project

Description	Qty	Rate	Total
Estimate for additional Drain pipe at Chandler park			
Installation of approximately 354 LF of 6" PVC Drain line and 2 backwash drains as shown on Splash Park Drain Pipe Plan, Plan Sheet L-305 last revised on Nov. 14 2018.		0.00	0.00
Permits, Parts, & Labor		6,500.00	6,500.00
		Total	\$6,500.00

SPLASH PARK DRAIN PIPE FOR FILTER BACKWASH & DRAIN PIT
DISTRIBUTED AT CONSTRUCTION MEETING NOVEMBER 7TH 2018
REVISED NOVEMBER 14, 2018 AFTER SPLASH PARK MEETING



Shared route with sanitary sewer main (231 LF)

Separate trench for splash park drain pipe (123 LF) ~~(153 LF)~~

Vortex Plumbing Layout shows (2) Backwash drains, Ref. sheet P-002.

Connect Drain Pit to storm sewer per Drain Pit Sketch Details dated 11/14/18 (Remove connection to sanitary sewer, approx 30 LF)

ADD 4" PVC DRAIN PIPE FOR SPLASH PARK DRAIN PIT AND FILTER BACKWASH, 304 LF

ADD 8" PVC DRAIN PIPE FOR SPLASH PARK FILTER BACKWASH, 354 LF

SPLASH PARK FILTER BACKWASH DRAIN FL. 877.80 (2'-0" BELOW SLAB)

SPLASH PARK DRAIN PIT FL. 878.00 (2'-0" BELOW GRADE)

CLEAN OUT FL. 877.98 RIM ELEV. 878.24

CLEAN OUT FL. 877.15 RIM ELEV. 878.77

CLEAN OUT FL. 878.80 RIM ELEV. 882.19

CLEAN OUT FL. 879.31 RIM ELEV. 878.73

CLEAN OUT FL. 879.10 RIM ELEV. 878.79

CLEAN OUT FL. 872.23 RIM ELEV. 877.23

CLEAN OUT FL. 872.23 RIM ELEV. 877.23

CONNECT TO SANITARY SEWER FL. 888.79



PRIOR TO PERFORMING ANY GRADING OR EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS OR "CALL ONE (OKLAHOMA ONE-CALL) NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.

howell & vancuren

101 South Leavelle Avenue
Tulsa, Oklahoma 74106
405.961.1270 phone
howell@hvva.com

Wallace Engineering
202 S. Memorial St., Suite 101
Tulsa, OK 74103
918.254.2288

PWTG EARLY, P.C.
1325 N. BALTIC AVE.
TULSA, OKLAHOMA 74116
918-483-2832

CHANDLER PARK
FUN ZONE SPLASH PARK & PLAYGROUND
5500 WEST 21ST STREET
TULSA, OKLAHOMA 74107



NO.	DATE	DESCRIPTION

5/14/18

DR: [] RM: [] CHECKED BY: J.H.

SPLASH PARK
DRAIN PIPE
L-305



VORTEX USA Inc.
 1420 Winstead Parkway Suite 205
 Charleston, TN 38005
 United States 78205
 Toll Free +1 (877) 555-7830
 Phone: +1 (877) 410-2018

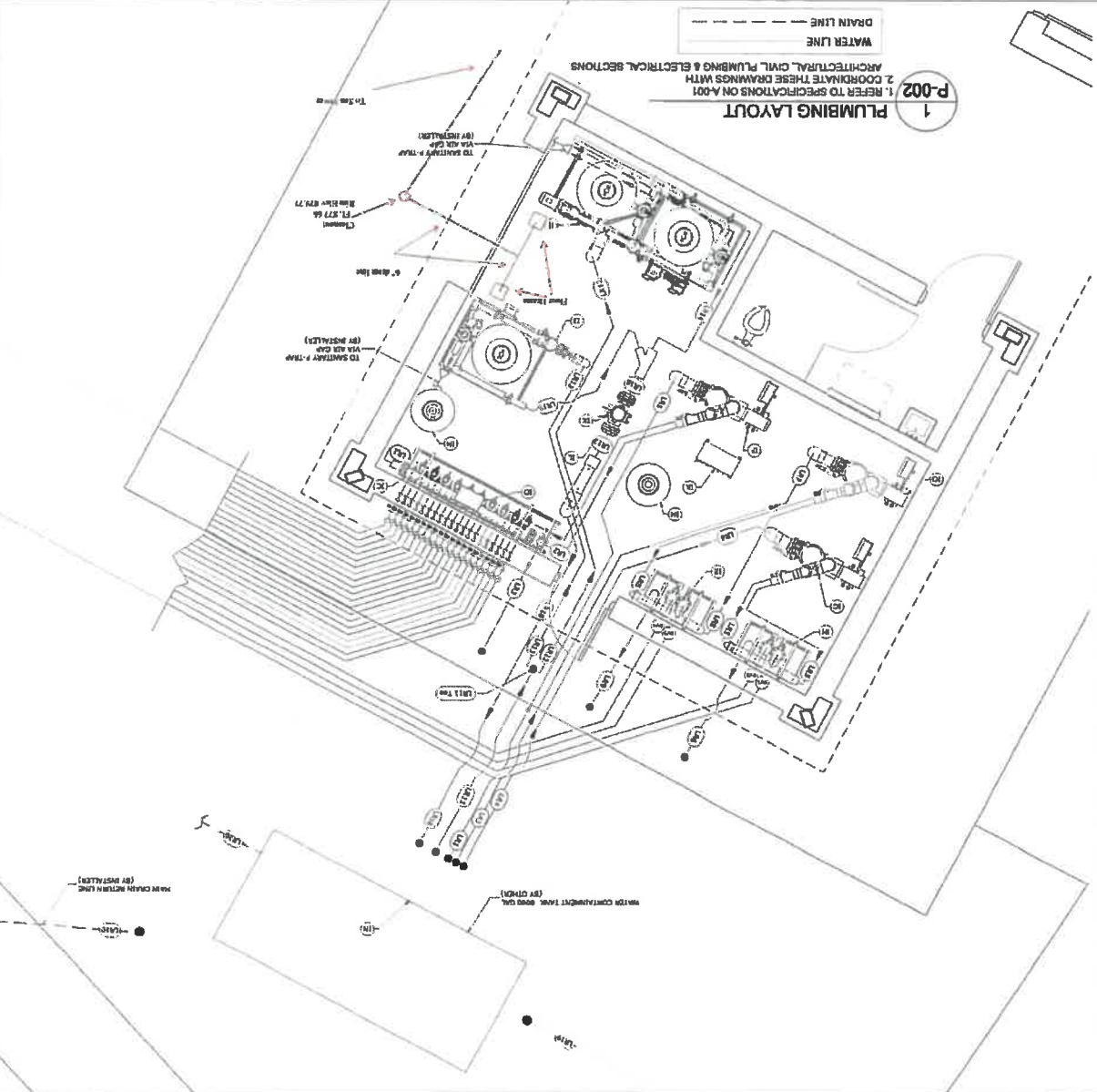
CONTRACTOR NOTICE: THIS IS A PRELIMINARY DRAWING. IT IS NOT TO BE USED FOR CONSTRUCTION. ALL DIMENSIONS SHALL BE AS SHOWN UNLESS OTHERWISE NOTED. VORTEX USA INC. SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREON.

Chandler Park Splashpad

Project Location: Tipton, OK
 Project Number: 29655
 Order Number:

Quantity	Part Number	Part Name	Notes
1	10000	10000	10000
2	20000	20000	20000
3	30000	30000	30000
4	40000	40000	40000
5	50000	50000	50000
6	60000	60000	60000
7	70000	70000	70000
8	80000	80000	80000
9	90000	90000	90000
10	100000	100000	100000

Plumbing Layout
 Drawn By: MAB
 Date: 05/NOV/2018
 Page #: P-002



Product and Part Number	Product Description	Quantity	Unit Price	Total Price	Notes
101	101	1	100.00	100.00	101
102	102	2	200.00	400.00	102
103	103	3	300.00	900.00	103
104	104	4	400.00	1600.00	104
105	105	5	500.00	2500.00	105
106	106	6	600.00	3600.00	106
107	107	7	700.00	4900.00	107
108	108	8	800.00	6400.00	108
109	109	9	900.00	8100.00	109
110	110	10	1000.00	10000.00	110
111	111	11	1100.00	12100.00	111
112	112	12	1200.00	14400.00	112
113	113	13	1300.00	16900.00	113
114	114	14	1400.00	19600.00	114
115	115	15	1500.00	22500.00	115
116	116	16	1600.00	25600.00	116
117	117	17	1700.00	28900.00	117
118	118	18	1800.00	32400.00	118
119	119	19	1900.00	36100.00	119
120	120	20	2000.00	40000.00	120
121	121	21	2100.00	44100.00	121
122	122	22	2200.00	48400.00	122
123	123	23	2300.00	52900.00	123
124	124	24	2400.00	57600.00	124
125	125	25	2500.00	62500.00	125
126	126	26	2600.00	67600.00	126
127	127	27	2700.00	72900.00	127
128	128	28	2800.00	78400.00	128
129	129	29	2900.00	84100.00	129
130	130	30	3000.00	90000.00	130
131	131	31	3100.00	96100.00	131
132	132	32	3200.00	102400.00	132
133	133	33	3300.00	108900.00	133
134	134	34	3400.00	115600.00	134
135	135	35	3500.00	122500.00	135
136	136	36	3600.00	129600.00	136
137	137	37	3700.00	136900.00	137
138	138	38	3800.00	144400.00	138
139	139	39	3900.00	152100.00	139
140	140	40	4000.00	160000.00	140