

The following documents must be submitted as printed. No alterations, additions, or deletions are allowed. If the Bidder notes a requirement in the Contract Documents that the Bidder believes will require a conditioned or unsolicited alternate bid, the Bidder must immediately notify the Engineer in writing. The Engineer will issue any necessary interpretation by an addendum.

## **PROPOSAL**

### **PROPOSAL: PART A – SCOPE**

The **City of Webster City**, hereinafter called the “Jurisdiction,” has need of a qualified contractor to complete the work comprising the below referenced improvement. The undersigned Bidder hereby proposes to complete the work comprising the below referenced improvement as specified in the Contract Documents, which are officially on file with the Jurisdiction, in the office of the **City Clerk**, at the prices hereinafter provided in Part C of the Proposal, for the following described improvements:

### **EAST TWIN PARK SPLASH PAD PROJECT**

#### **Base Bid**

The East Twin Park Splash Pad project includes installation of the proposed splash pad equipment that is provided by the Owner. Also includes demolition of existing pavement and vegetation, earthwork, sanitary sewer, storm sewer, water service, electrical service, colored PCC pavement, standard PCC pavement, open shade structure, surface restoration and miscellaneous associated work necessary for a complete and operational splash pad. Contractor to pick up splash pad components purchased by Owner at Webster City street department building located at 100 E. Ohio St. Webster city, IA 50595. Contractor shall coordinate and install splash pad components per manufacturer's specifications, recommendations and requirements.

#### **Add Alternate #1:**

Add parking stalls and connecting sidewalk. See plan sheets for additional information.

#### **Add Alternate #2**

Add walkway from shelter area to playground and basketball court areas. See plans for additional information.

#### **Add Alternate #3**

Furnish and install 20' x 24' shelter and associated footings. See plans for additional information.

### **PROPOSAL: PART B – ACKNOWLEDGEMENT OF ADDENDA**

The Bidder hereby acknowledges that all addenda become a part of the Contract Documents when issued and that each such addendum has been received and utilized in the preparation of this bid. The Bidder hereby acknowledges receipt of the following addenda by inserting the number of each addendum in the blanks below:

ADDENDUM NUMBER \_\_\_\_\_ ADDENDUM NUMBER \_\_\_\_\_

ADDENDUM NUMBER \_\_\_\_\_ ADDENDUM NUMBER \_\_\_\_\_

and certifies that said addenda were utilized in the preparation of this bid.

## **PROPOSAL: PART C – BID ITEMS, QUANTITIES, AND PRICES**

**UNIT BID PRICE CONTRACTS:** The Bidder must provide the Unit Bid Price, the Total Bid Price, any Alternate Prices, and the Total Construction Costs on the Proposal Attachment: Part C – Bid Items, Quantities, and Prices. In case of discrepancy, the Unit Bid Price governs. The quantities shown on the Proposal Attachment: Part C – Bid Items, Quantities, and Prices are approximate only, but are considered sufficiently adequate for the purpose of comparing bids. The Total Construction Cost plus any alternates selected by the Jurisdiction shall be used only for comparison of bids. The Total Construction Cost, including any Add-Alternates, shall be used for determining the sufficiency of the bid security.

**BASE BID CONTRACTS:** The Bidder must provide any Bid Prices, any Alternate Prices, and the Total of the Base Bid plus any Add-Alternates on the Proposal Attachment: Part C – Bid Items, Quantities, and Prices. The Total of the Base Bid plus any Alternates selected by the Jurisdiction shall be used only for comparison of bids. The Total of the Base Bid plus any Add-Alternates shall be used for determining the sufficiency of the bid security.

## **PROPOSAL: PART D – GENERAL**

The Bidder hereby acknowledges that the Jurisdiction, in advertising for public bids for this project, reserves the right to:

1. Reject any or all bids. Award of the Contract, if any, to be to the lowest responsible, responsive Bidder; and
2. Reject any or all alternates in determining the items to be included in the Contract. Designation of the lowest responsible, responsive Bidder to be based on comparison of the total bid plus any selected alternates; and
3. Make such alterations in the Contract Documents or in the Proposal quantities as it determines necessary in accordance with the Contract Documents after execution of the Contract. Such alterations shall not be considered a waiver of any conditions of the Contract Documents, and shall not invalidate any of the provisions thereof; and

The Bidder hereby agrees to:

1. Enter into a Contract, if this Proposal is selected, in the form approved by the Jurisdiction, provide proof of registration with the Iowa Division of Labor in accordance with Chapter 91C of the Iowa Code, and furnish a Performance, Payment, and Maintenance Bond; and
2. Forfeit bid security, not as a penalty but as liquidated damages, upon failure to enter into such Contract and/or to furnish said Bond; and
3. Notice to Proceed shall be issued after satisfactory review of executed bonds, insurance, and contract.
4. The Contractor shall complete the work as follows:  
Substantial completion of the project shall be July 30, 2024. The Contractor shall fully complete the project by August 31, 2024. Fully completion includes having a functioning splash pad, all pavements, utilities, and site restoration and ALL work areas open to use by the public. Work once commenced shall be diligently worked to completion. Should the Contractor fail to fully complete the work within the time allotted, liquidated damages of Five Hundred Dollars (\$500) per working day shall be applied for each calendar day until the work is fully complete.

## PROPOSAL: PART E – NON-COLLUSION AFFIDAVIT

The Bidder hereby certifies:

1. That this Proposal is not affected by, contingent on, or dependent on any other proposal submitted for any improvement with the Jurisdiction; and
2. That no individual employed by the Bidder has employed any person to solicit or procure the work on this project, nor will any employee of the Bidder make any payment or agreement for payment of any compensation in connection with the procurement of this project; and
3. That no part of the bid price received by the Bidder was or will be paid to any person, corporation, firm, association, or other organization for soliciting the bid, other than the payment of their normal compensation to persons regularly employed by the Bidder whose services in connection with the construction of the project were in the regular course of their duties for the Bidder; and
4. That this Proposal is genuine and not collusive or sham; that the Bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to submit a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought, by agreement or collusion, or communication or conference, with any person, to fix the bid price of the Bidder or of any other bidder, and that all statements in this proposal are true; and
5. That the individual(s) executing this Proposal have the authority to execute this Proposal on behalf of the Bidder.

## PROPOSAL: PART F – ADDITIONAL REQUIREMENTS

The Bidder hereby agrees to comply with the additional requirements listed below that are included in this Proposal and identified as proposal attachments:

<u>ITEM NO.</u>	<u>DESCRIPTION OF ATTACHMENT</u>
1.	<u>Bidder Status Form</u>
2.	<u>_____</u>
3.	<u>_____</u>
4.	<u>_____</u>
5.	<u>_____</u>
6.	<u>_____</u>

## PROPOSAL: PART G – IDENTITY OF BIDDER

The Bidder shall indicate whether the bid is submitted by a/an:

- ☐ Individual,  
Sole Proprietorship
- ☐ Partnership
- ☐ Corporation
- ☐ Limited Liability Company
- ☐ Joint-venture: all parties must join-in  
and execute all documents
- ☐ Other

The Bidder shall enter its Public Registration  
Number \_\_\_\_\_ - \_\_\_\_\_ issued  
By the Iowa Commissioner of Labor Pursuant  
Section 91C.5 of the Iowa Code.

Failure to provide said Registration Number  
shall result in the bid being read under  
advisement. A contract will not be executed  
until the Contractor is registered.

\_\_\_\_\_  
Bidder

\_\_\_\_\_  
Signature

By: \_\_\_\_\_  
Name (Print/Type)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone Number

**Type or print the name and title of the company's  
owner, president, CEO, etc.  
if a different person than entered above.**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

### NOTE:

- The signature on this Proposal must be an original signature in ink; copies, facsimiles, or electronic signatures will not be accepted.**

## PROPOSAL ATTACHMENT: PART C – BID ITEMS, QUANTITIES, AND PRICES

This is a UNIT BID PRICE CONTRACT. The bidder must provide the Bid Price(s), and the Total of the Base Bid in this Proposal Attachment: Part C – Bid Items, Quantities, and Prices the total of the base bid plus any alternates selected by the Jurisdiction shall be used only for comparison of bids. The total of the Base Bid shall be used for determining the sufficiency of the bid security.

BASE BID					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>GENERAL PROVISIONS</b>				
1.1	Mobilization / Construction Fence	LS	1	\$	\$
	<b>EARTHWORK</b>				
2.1	Demolition	LS	1	\$	\$
2.2	Grading	LS	1	\$	\$
	<b>STORM SEWER</b>				
3.1	4" HDPE (trenched)	LF	33	\$	\$
3.2	6" C900 (bored under road)	LF	45	\$	\$
3.3	6" HDPE (trenched)	LF	17	\$	\$
3.4	6" Subdrain	LF	81	\$	\$
3.5	Inline Drain Intake	EA	1	\$	\$
3.6	Connection to Existing	LS	1	\$	\$
	<b>SANITARY SEWER SERVICE</b>				
4.1	6" Sanitary Sewer Line	LF	100	\$	\$
4.2	Connection to Existing	LS	1	\$	\$
4.3	Rain Diverter – labor	EA	1	\$	\$
	<b>WATER SERVICE</b>				
5.1	4" Water Line (bored under road)	LF	50	\$	\$
5.2	Connection to Existing	LS	1	\$	\$
5.3	Curb Stop	EA	1	\$	\$
5.4	Winterization Curb Stop	LS	1	\$	\$
5.5	Backflow Preventer	LS	1	\$	\$
	<b>ELECTRICAL SERVICE</b>				
6.1	Electrical Service Line	LS	1	\$	\$
	<b>PAVEMENT</b>				
7.1	5" depth PCC Sidewalk	SF	2,152	\$	\$
7.2	5" depth PCC Colored Pavement	SF	3,500	\$	\$
7.3	6" depth PCC Roadway	SF	95	\$	\$

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
7.4	PCC Curb	LF	18	\$	\$
7.5	PCC Edger	LF	35	\$	\$
	<b>SPLASH PAD INSTALLATION</b>				
8.1	Installation of Splash Pad Components	LS	1	\$	\$
	<b>SURFACE RESTORATION</b>				
9.1	Standard Seed Mix	LS	1	\$	\$
9.2	Erosion Control	LS	1	\$	\$

**TOTAL CONSTRUCTION COST BASE BID: \$**

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ADD ALTERNATE #1					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>PARKING AREA</b>				
	Demolition / Grading	LS	1	\$	\$
	5" depth PCC Sidewalk	SF	826	\$	\$
	6" depth PCC Parking	SF	1,450	\$	\$
	6" PCC Curb	LF	95	\$	\$

**TOTAL ADD ALTERNATE #1 BID: \$**

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ADD ALTERNATE #2					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>SIDEWALK SOUTH OF SHELTER</b>				
	Demolition / Grading	LS	1	\$	\$
	5" depth PCC Sidewalk	SF	383	\$	\$

**TOTAL ADD ALTERNATE #2 BID: \$**

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ADD ALTERNATE #3					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>SHELTER</b>				
	20' x 24' Shelter	EA	1	\$	\$

**TOTAL ADD ALTERNATE #3 BID: \$**

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All bidders must submit the following completed form to the governmental body requesting bids per 875 Iowa Administrative Code Chapter 156.

### Bidder Status Form

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**To be completed by all bidders****Part A**

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Please answer "Yes" or "No" for each of the following:

- ☐ Yes ☐ No My company is authorized to transact business in Iowa.  
*(To help you determine if your company is authorized, please review the worksheet on the next page).*
- ☐ Yes ☐ No My company has an office to transact business in Iowa.
- ☐ Yes ☐ No My company's office in Iowa is suitable for more than receiving mail, telephone calls, and e-mail.
- ☐ Yes ☐ No My company has been conducting business in Iowa for at least 3 years prior to the first request for bids on this project.
- ☐ Yes ☐ No My company is not a subsidiary of another business entity, or my company is a subsidiary of another business entity that would qualify as a resident bidder in Iowa.

If you answered "Yes" for each question above, your company qualifies as a resident bidder. Please complete Parts B and D of this form.

If you answered "No" to one or more questions above, your company is a non-resident bidder. Please complete Parts C and D of this form.

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**To be completed by resident bidders****Part B**

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My company has maintained offices in Iowa during the past 3 years at the following addresses:

Dates: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ to \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Dates: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ to \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Dates: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ to \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Address: \_\_\_\_\_

*You may attach additional sheet(s) if needed.* City, State, Zip: \_\_\_\_\_

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**To be completed by non-resident bidders****Part C**

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1. Name of home state or foreign country reported to the Iowa Secretary of State: \_\_\_\_\_
2. Does your company's home state or foreign country offer preferences to bidders who are residents? ☐ Yes ☐ No
3. If you answered "Yes" to question 2, identify each preference offered by your company's home state or foreign country and the appropriate legal citation.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*You may attach additional sheet(s) if needed.*

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**To be completed by all bidders****Part D**

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I certify that the statements made on this document are true and complete to the best of my knowledge and I know that my failure to provide accurate and truthful information may be a reason to reject my bid.

Firm Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### **Worksheet: Authorization to Transact Business**

This worksheet may be used to help complete Part A of the Resident Bidder Status form. If at least one of the following describes your business, you are authorized to transact business in Iowa.

- ☐ Yes ☐ No My business is currently registered as a contractor with the Iowa Division of Labor.
- ☐ Yes ☐ No My business is a sole proprietorship, and I am an Iowa resident for Iowa income tax purposes.
- ☐ Yes ☐ No My business is a general partnership or joint venture. More than 50 percent of the general partners or joint venture parties are residents of Iowa for Iowa income tax purposes.
- ☐ Yes ☐ No My business is an active corporation with the Iowa Secretary of State and has paid all fees required by the Secretary of State, has filed its most recent biennial report, and has not filed articles of dissolution.
- ☐ Yes ☐ No My business is a corporation whose articles of incorporation are filed in a state other than Iowa, the corporation has received a certificate of authority from the Iowa Secretary of State, has filed its most recent biennial report with the Secretary of State, and has neither received a certificate of withdrawal from the Secretary of state nor had its authority revoked.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in this state and the statement has not been canceled.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in a state other than Iowa, has filed a statement of foreign qualification in Iowa and a statement of cancellation has not been filed.
- ☐ Yes ☐ No My business is a limited partnership or limited liability limited partnership which has filed a certificate of limited partnership in this state and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited partnership or a limited liability limited partnership whose certificate of limited partnership is filed in a state other than Iowa, the limited partnership or limited liability limited partnership has received notification from the Iowa Secretary of state that the application for certificate of authority has been approved and no notice of cancellation has been filed by the limited partnership or the limited liability limited partnership.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in Iowa and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in a state other than Iowa, has received a certificate of authority to transact business in Iowa and the certificate has not been revoked or canceled.

## **BID BOND**

KNOW ALL BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal, and \_\_\_\_\_, as Surety, are held and firmly bound unto the **City of Webster City, Iowa**, as Obligee, (hereinafter referred to as the "Jurisdiction"), in the penal sum of \_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_), or **ten percent (10%)** of the amount bid in lawful money of the United States, for which payment said Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns jointly and severally, firmly by these presents.

The condition of the above obligation is such that whereas the Principal has submitted to the Jurisdiction a certain Proposal, in a separate envelope, and hereby made a part hereof, to enter into a Contract in writing, for the following described improvements:

### **EAST TWIN PARK SPLASH PAD PROJECT**

#### **Project Description:**

##### **Base Bid**

The East Twin Park Splash Pad project includes installation of the proposed splash pad equipment that is provided by the Owner. Also includes demolition of existing pavement and vegetation, earthwork, sanitary sewer, storm sewer, water service, electrical service, colored PCC pavement, standard PCC pavement, open shade structure, surface restoration and miscellaneous associated work necessary for a complete and operational splash pad. Contractor to pick up splash pad components purchased by Owner at Webster City street department building located at 100 E. Ohio St. Webster city, IA 50595. Contractor shall coordinate and install splash pad components per manufacturer's specifications, recommendations and requirements.

##### **Add Alternate #1:**

Add parking stalls and connecting sidewalk. See plans for additional information.

##### **Add Alternate #2**

Add walkway from shelter area to playground and basketball court areas. See plans for additional information.

##### **Add Alternate #3**

Furnish and install 20' x 24' shelter and associated footings. See plans for additional information.

The Surety hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of the time within which the Jurisdiction may accept such bid or execute such Contract; and said Surety does hereby waive notice of any such extension.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be **Hamilton** County, State of Iowa. If legal action is required by the Jurisdiction against the Surety or Principal to enforce the provisions of the Bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Surety or Principal agrees to pay the Jurisdiction all damages, costs, and attorney fees incurred by enforcing any of the provisions of this Bond. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers, and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against Surety for any amount guaranteed hereunder whether action is brought against Principal or whether Principal is joined in any such action or actions or not.

NOW, THEREFORE, if said Proposal by the Principal be accepted, and the Principal shall enter into a Contract with Jurisdiction in accordance with the terms of such Proposal, including the provision of insurance and of a Bond as may be specified in the Contract Documents, with good and sufficient Surety for the faithful performance of such Contract, for the prompt payment of labor and material furnished in the prosecution thereof, and for the maintenance of said improvements as may be required therein, then this obligation shall become null and void; otherwise, the Principal shall pay to the Jurisdiction the full amount of the Bid Bond, together with court costs, attorney's fees, and any other expense of recovery.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

**SURETY:**

**PRINCIPAL:**

_____	_____
Surety Company	Bidder
By: _____	By: _____
Signature Attorney-in-Fact/Officer	Signature
_____	_____
Printed Name of Attorney-in-Fact/Officer	Printed Name
_____	_____
Company Name	Title
_____	_____
Company Address	Address
_____	_____
City, State, Zip Code	City, State, Zip Code
_____	_____
Company Telephone Number	Telephone Number

**NOTE:**

1. All signatures on this Bid Bond must be original signatures in ink; copies, facsimiles, or electronic signatures will not be accepted.
2. This Bond must be sealed with the Surety's raised, embossing seal.
3. The Certificate or Power of Attorney accompanying this Bond must be valid on its face and sealed with the Surety's raised, embossing seal.

**NON-COLLUSION AFFIDAVIT STATEMENT**

STATE OF IOWA                     )  
  ) ss  
HAMILTON COUNTY                )

I \_\_\_\_\_ being first duly sworn, depose and

say that I am the \_\_\_\_\_  
(Sole Owner, Partner, President, Secretary, etc.)

of \_\_\_\_\_,  
(Contractor)

the party making the foregoing bid; that such bid is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that such bid is genuine and not collusive or sham; that said bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded conspired, connived, or agreed with any bidder or anyone else to put in a false or sham bid, or that anyone shall refrain from bidding; that said bidder has not solicited or induced any individual or entity to refrain from bidding; that said bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to get the bid price of said bidder or of any other bidder, not to fix any overhead, profit, or cost advantage against the public body awarding the contract or anyone interested in the proposed contract; that bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract; that all statements contained in such bid are true; and further, that said bidder has not directly or indirectly submitted his/her bid price or any breakdown thereof, nor the contents thereof, nor divulged information or data relative thereto, nor paid and will not pay fee in connection therewith to any corporation, partnership, company, association, organization, bid depository, nor to any member or agent thereof, nor to any other individual except to such person or persons as have a partnership or other financial interest with said bidder in his/her general business.

By: \_\_\_\_\_

Subscribed and sworn to before this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

(Notarial Acknowledgment)

\_\_\_\_\_  
Signature of Officer Administering Oath

## SUBCONTRACTORS LIST

Bidder supplies the following information for any subcontractor, supplier, fabricator, equipment rental with operator, etc. to be used on the **Fair Meadow Drive Reconstruction Project**.

Name and Telephone No.	Address	License No.	Bid Item No. or Work to be Performed
(     )			
(     )			
(     )			
(     )			
(     )			
(     )			
(     )			
(     )			

(Use additional sheets as necessary)

## BID CERTIFICATION

The undersigned certifies they are familiar with the various state and local laws affecting labor, length of working days, employer's liabilities, Sunday and holiday work, alien labor, domestic materials, subcontractors, etc. It is understood and agreed that the work under the contract will be commenced by the undersigned bidder, if awarded the contract, within fourteen (14) calendar days after receipt of the Notice to Proceed and will be completed by the Contractor in the time set forth in the AGREEMENT. Contract time shall begin on the date of the Notice to Proceed and "winter work" shall be as specified in the Special Provisions.

Enclosed find bidders bond, certified check no. or cashier's check no. \_\_\_\_\_ on the

\_\_\_\_\_ Bank,

in the amount of \_\_\_\_\_

which is as stipulated in the bid bond, submitted by the undersigned made payable to the City of Webster City, Iowa and which is given as a guarantee that the bidder agrees that in case of their default in executing said contract with necessary bonds, the bond or check accompanying this bid and the money made payable shall become and remain the property of the City.

It is understood and agreed that the City has the right to waive defects and to accept or reject any or all bids. The following required information is true and correct. Failure to complete this information renders the bid non-responsive and the bid must be rejected.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Signatory's Title

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
State License Number

\_\_\_\_\_  
Street Address (if different from Mailing Address)

\_\_\_\_\_  
Email Address

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Fax Number

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

.....  
**RECEIPT OF ADDENDA:**

Addendum #1 \_\_\_\_\_ Addendum #2 \_\_\_\_\_ Addendum #3 \_\_\_\_\_

***Contract Documents***  
  
***for***  
  
***East Twin Park Splash Pad Project***  
***(PR 9-24-001-1)***

*Prepared for:*

*City of Webster City  
Public Works Department  
400 Second Street  
Webster City, Iowa 50595*



*Prepared by:*

*Snyder & Associates  
2727 SW Snyder Boulevard  
Ankeny, IA 50023*



# *Contract Documents*

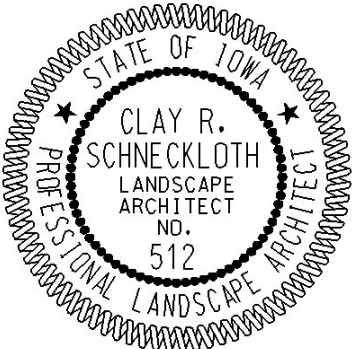
*for*

## *East Twin Park Splash Pad Project (PR 9-24-001-1)*

*Prepared for:*

*City of Webster City  
Public Works Department  
400 Second Street  
Webster City, Iowa 50595*

Prepared by:

 <p>License Expires: June 30, 2025</p>	<p>I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly Licensed Professional Landscape Architect under the Laws of the State of Iowa.</p> <hr/> <p>Clay R. Schneckloth, PLA <span style="float: right;">Date</span></p> <p>License Number 512</p> <p>Pages or sheets covered by this seal:</p> <hr/> <hr/> <hr/>
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*Prepared by:*

*Snyder & Associates, Inc.  
2727 SW Snyder Blvd.  
Ankeny, IA 50023*



## **TABLE OF CONTENTS**

### **BIDDING INFORMATION**

NOTICE TO BIDDERS	NB-1 to NB-3
NOTICE OF HEARING	NH-1 to NH-2
INSTRUCTIONS TO BIDDERS	IB-1 to IB 3
PROPOSAL	P-1 to P-6
BIDDERS STATUS FORM	P-7
WORKSHEET: AUTHORIZATION TO TRANSACT BUSINESS	P-8
BID BOND	BB-1 to BB-2
NON-COLLISION AFFIDAVIT STATEMENT	BB-3
SUBCONTRACTORS LIST	BB-4
BID CERTIFICATION	BB-5
CONTRACT	C-1 to C-6
PERFORMANCE, PAYMENT, AND MAINTENANCE BOND	PPM-1 to PPM-4
NOTICE TO PROCEED	NP-1
 SPECIAL PROVISIONS – PART 1	 SP-1 TO SP-10

### **TECHNICAL SPECIFICATIONS**

COLORED CONCRETE	32 13 16 1-5
WATERPLAY SPLASH PAD PRODUCT DATA	1-84

### **STANDARD SPECIFICATIONS**

The 2022 Edition of the Statewide Urban Design and Specifications (SUDAS) Standard Specifications shall apply to all work performed on this project unless otherwise noted herein, or within the Special Provisions included in the Contract Documents.

- In addition to the Contract Documents, the Contractor is required to have a copy of the 2022 edition of the SUDAS Standard Specifications Manual on the job site at all times.
- A paper copy of the SUDAS Standard Specifications Manual may be purchased at the following link: <https://iowasudas.org/order-the-manuals/>
- An electronic copy of the SUDAS Standard Specifications Manual may be found at the SUDAS website: [www.iowasudas.org](http://www.iowasudas.org). The electronic copy can be printed free of charge.

## ***Bidding Information***

## **NOTICE TO BIDDERS**

### **EAST TWIN PARK SPLASH PAD PROJECT**

#### **JURISDICTION OF CITY OF WEBSTER CITY, IOWA PUBLIC IMPROVEMENT PROJECT**

#### **Public Hearing on Proposed Contract Documents and Estimated Costs for Improvement**

Notice is hereby given that a public hearing will be held by the City of Webster City, Iowa on the proposed Contract Documents (plans, specifications, and form of contract) and estimated total cost for the **East Twin Park Splash Pad Project** at its meeting at **6:00 P.M. on the 15<sup>th</sup> day of January, 2024**, in said City Council Chambers, Webster City Hall, 400 Second Street, Webster City, Iowa 50595.

#### **Time and Place for Filing Sealed Proposals**

Sealed bids for the work comprising the improvements as stated below must be filed before **2:00 P.M.** according to the clock in said City Council Chambers on the **9<sup>th</sup> day of January, 2024**, at the reception desk in the City Hall, 400 Second Street, Webster City, Iowa 50595.

#### **Time and Place Sealed Proposals Will be Opened and Considered**

Sealed proposals will be opened by the City Staff and bids tabulated at **2:00 P.M.** on the **9<sup>th</sup> day of January, 2024**, in said City Council Chambers. Bids will be considered by the City Council at its meeting on the **15<sup>th</sup> of January, 2024 at 6:05 P.M.** The City Council may award a Contract at said meeting, or at such other time and place as shall then be announced.

#### **Contract Documents**

A copy of said plans, specifications, and form of contract, and estimated total cost is now on file in the office of the City Clerk and may be examined at Webster City Hall, 400 Second Street, Webster City, Iowa 50595.

An electronic copy of the Contract Documents is available at [www.snyder-associates.com/bids](http://www.snyder-associates.com/bids) for no cost and choosing the **East Twin Park Splash Pad Project** on the left. Project information, estimated total cost, and planholder information is available for no cost at the same link. Downloads of the Contract Documents require the user to register for a free membership at [www.QuestCDN.com](http://www.QuestCDN.com).

Paper copies of the Contract Documents are available from Snyder & Associates, Inc., 2727 SW Snyder Blvd., Ankeny, Iowa 50023. You must call 515-964-2020 in advance to reserve a paper copy to be picked up or sent via UPS.

## General Nature of the Public Improvement

### **EAST TWIN PARK SPLASH PAD PROJECT**

#### Project Description:

##### Base Bid

The East Twin Park Splash Pad project includes installation of the proposed splash pad equipment that is provided by the Owner. Also includes demolition of existing pavement and vegetation, earthwork, sanitary sewer, storm sewer, water service, electrical service, colored PCC pavement, standard PCC pavement, open shade structure, surface restoration and miscellaneous associated work necessary for a complete and operational splash pad. Contractor to pick up splash pad components purchased by Owner at Webster City street department building located at 100 E. Ohio St. Webster city, IA 50595. Contractor shall coordinate and install splash pad components per manufacturer's specifications, recommendations and requirements.

##### Add Alternate #1:

Add parking stalls and connecting sidewalk. See plans for additional information.

##### Add Alternate #2

Add walkway from shelter area to playground and basketball court areas. See plans for additional information.

##### Add Alternate #3

Furnish and install 20' x 24' shelter and associated footings. See plans for additional information.

#### Bid Security

Each Bidder shall accompany its bid with bid security as defined in Iowa Code Section 26.8, as security that the successful Bidder will enter into a Contract for the work bid upon and will furnish after the award of Contract a corporate Surety Bond, in a form acceptable to the City of Webster City, for the faithful performance of the Contract, in an amount equal to one hundred percent (100%) of the amount of the Contract. The Bidder's security shall be in the amount fixed in the Instructions to Bidders and shall be in the form of a cashier's check or a certified check drawn on an FDIC insured bank in Iowa or on an FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a Bid Bond on the form provided in the Contract Documents with corporate Surety satisfactory to the City of Webster City. The bid shall contain no condition except as provided in the specifications.

#### Performance, Payment, and Maintenance Bond

Each successful Bidder will be required to furnish a corporate Surety Bond in an amount equal to one hundred percent (100%) of its Contract price. Said Bond shall be issued by a responsible Surety approved by the City of Webster City and shall guarantee the faithful performance of the Contract and the terms and conditions therein contained and shall guarantee the prompt payment of all material and labor, and protect and save harmless the City of Webster City from claims and damages of any kind caused by the operations of the Contract and shall also guarantee the maintenance of the improvement caused by failures in materials and construction for a period of two (2) years from and after acceptance of the Contract.

## Title VI Compliance

The City of Webster City, Iowa, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, sex, age, or disability in consideration for an award.

## Completion of Work

The construction start date is Wednesday, May 1, 2024. The Notice to Proceed is anticipated to be issued after satisfactory review of executed bonds, insurance, and contract and the start date. The work shall be diligently worked to completion.

Substantial completion of the project shall be July 30, 2024. The Contractor shall fully complete the project by August 31, 2024. Fully completion includes having a functioning splash pad, all pavements, utilities, and site restoration and ALL work areas open to use by the public. Work once commenced shall be diligently worked to completion. Should the Contractor fail to fully complete the work within the time allotted, liquidated damages of Five Hundred Dollars (\$500) per working day shall be applied for each calendar day until the work is fully complete.

The City of Webster City does hereby reserve the right to reject any or all bids, to waive informalities, and to enter into such contract, or contracts, as it shall deem to be in the best interest of the City.

This Notice is given by authority of the City Council of the City of Webster City, Iowa.

Dated at Webster City, Iowa, this 5<sup>th</sup> day of December, 2023.

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John Hawkins, Mayor

ATTEST:

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Karyl K. Bonjour, City Clerk

Posted on City of Webster City website on the 5<sup>th</sup> day of **December, 2023**.

Posted at Master Builders of Iowa Plan Room on the 5<sup>th</sup> day of **December, 2023**.

## **NOTICE OF HEARING**

NOTICE OF PUBLIC HEARING ON PROPOSED PLANS, SPECIFICATIONS, FORM OF  
CONTRACT AND ESTIMATE OF COST FOR:

### **EAST TWIN PARK SPLASH PAD PROJECT JURISDICTION OF CITY OF WEBSTER CITY, IOWA PUBLIC IMPROVEMENT PROJECT**

Public Notice is hereby given that a public hearing will be held by the City of Webster City, Iowa on the proposed Contract Documents (plans, specifications, and form of contract) and estimated total cost for the **East Twin Park Splash Pad Project** at its meeting at **6:05 P.M. on January 15<sup>th</sup>, 2024**, in said City Council Chambers, Webster City Hall, 400 Second Street, Webster City, Iowa 50595.

### **EAST TWIN PARK SPLASH PAD PROJECT**

#### **Base Bid**

The East Twin Park Splash Pad project includes installation of the proposed splash pad equipment that is provided by the Owner. Also includes demolition of existing pavement and vegetation, earthwork, sanitary sewer, storm sewer, water service, electrical service, colored PCC pavement, standard PCC pavement, open shade structure, surface restoration and miscellaneous associated work necessary for a complete and operational splash pad. Contractor to pick up splash pad components purchased by Owner at Webster City street department building located at 100 E. Ohio St. Webster city, IA 50595. Contractor shall coordinate and install splash pad components per manufacturer's specifications, recommendations and requirements.

#### **Add Alternate #1:**

Add parking stalls and connecting sidewalk. See plan sheets for additional information.

#### **Add Alternate #2**

Add walkway from shelter area to playground and basketball court areas. See plans for additional information.

#### **Add Alternate #3**

Furnish and install 20' x 24' shelter and associated footings. See plans for additional information.

At said hearing, the City Council will consider the proposed plans, specifications, form of contract and estimate of cost for said project, the same now being on file in the office of the City Clerk, reference to which is made for a more detailed and complete description of the proposed improvements, and at said time and place the said Council will also receive and consider any comments/objections to said plans, specifications and form of contract or to the estimated cost of said improvements made by any interested party.

The City of Webster City does hereby reserve the right to reject any or all bids, to waive informalities, and to enter into such contract, or contracts, as it shall deem to be in the best interest of the City.

This Notice is given by authority of the City Council of the City of Webster City, Iowa.

Dated at Webster City, Iowa, this \_\_\_\_ day of December, 2023.

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John Hawkins, Mayor

ATTEST:

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Karyl K. Bonjour, City Clerk

Published in the FREEMAN JOURNAL on the \_\_\_\_ day of December, 2023.

## **INSTRUCTIONS TO BIDDERS**

Project Name: East Twin Park Splash Pad Project

The work comprising the above referenced project shall be constructed in accordance with the 2022 Edition of the SUDAS Standard Specifications and as further modified by Special Provisions included in the Contract Documents. Before submitting your bid, review the requirements of Division 1, General Provisions and Covenants, in particular the sections regarding proposal requirements, bonding, contract execution, and insurance requirements. Be certain that all documents have been completed properly, as failure to complete and sign all documents and to comply with the requirements listed below can cause your bid not to be read.

### **I. BID SECURITY**

The bid security must be in the minimum amount of **ten percent (10%)** of the total bid amount including all add alternates (do not deduct the amount of deduct alternates). Bid security shall be in the form of a cashier's check or a certified check, drawn on an FDIC insured bank in Iowa or drawn on an FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a bid bond executed by a corporation authorized to contract as a surety in Iowa or satisfactory to the Jurisdiction. The bid bond must be submitted on the enclosed Bid Bond form as no other bid bond forms are acceptable. All signatures on the Bid Bond must be original signatures in ink; facsimile (fax) of any signature or use of an electronic signature on the Bid Bond is not acceptable. Bid security other than said Bid Bond shall be made payable to **City of Webster City, Iowa**. "Miscellaneous Bank Checks," and personal checks, as well as "Money Orders" and "Traveler's Checks" issued by persons, firms, or corporations licensed under Chapter 533C of the Iowa Code, are not acceptable bid security.

### **II. SUBMISSION OF THE PROPOSAL AND IDENTITY OF BIDDER**

- A. The proposal shall be sealed in an envelope, properly identified as the Proposal with the project title and the name and address of the bidder and deposited with the Jurisdiction at or before the time and at the place provided in the Notice to Bidders and Notice of Public Hearing. It is the sole responsibility of the Bidder to see that its Proposal is delivered to the Jurisdiction prior to the time for opening bids, along with the appropriate bid security sealed in a separate envelope identified as Bid Security and attached to the outside of the bid proposal envelope. Any Proposal received after the scheduled time for the receiving of proposals will be returned to the Bidder unopened and will not be considered. If the Jurisdiction provides envelopes for proposals and bid security, bidders shall be required to utilize such envelopes in the submission of their bids.
- B. The following documents shall be completed, signed, and returned in the Proposal envelope. The bid cannot be read if any of these documents are omitted from the Proposal envelope.

#### **1. PROPOSAL – Complete each of the following parts:**

- Part B – Acknowledgement of Addenda if any have been issued
- Part C – Bid Items, Quantities, and Prices
- Part F – Additional Requirements

The following proposal attachments must be completed and attached:

<u>ITEM NO.</u>	<u>DESCRIPTION OF ATTACHMENT</u>
1.	<u>Bidder Status Form</u>
2.	<u></u>
3.	<u></u>
4.	<u></u>
5.	<u></u>
6.	<u></u>

- Part G – Identity of Bidder

Sign the Proposal. The signature of the Proposal and all proposal attachments must be an original signature in ink signed by the same individual who is the Company Owner or an authorized Officer of the Company; copies or facsimile of any signature or electronic signatures will not be accepted.

The Bidder Status Form is required by the Iowa Labor Commissioner, pursuant to the Iowa Administrative Code rule 875-156.2(1). The Bidder must complete and submit the Bidder Status Form, signed by an authorized representative of the Bidder, with their bid proposal. Under Iowa Administrative Code rule 875-156.2(1), failure to provide the Bidder Status Form with the Proposal may result in the Proposal being deemed non-responsive and may result in the Proposal being rejected.

### III. UNBALANCED BIDS

Unbalanced bids may not be accepted.

### IV. COMMENCEMENT OF WORK

The construction start date is Wednesday, May 1, 2024. The Notice to Proceed is anticipated to be issued after satisfactory review of executed bonds, insurance, and contract and the start date. The work shall be diligently worked to completion.

Substantial completion of the project shall be July 30, 2024. The Contractor shall fully complete the project by August 31, 2024. Fully completion includes having a functioning splash pad, all pavements, utilities, and site restoration and ALL work areas open to use by the public. Work once commenced shall be diligently worked to completion. Should the Contractor fail to fully complete the work within the time allotted, liquidated damages of Five Hundred Dollars (\$500) per working day shall be applied for each calendar day until the work is fully complete.

### V. PREFERENCE OF PRODUCTS AND LABOR

By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

**Failure to submit a fully completed and accurate Bidder Status Form with the Proposal may result in the Proposal being deemed non-responsive and may result in the Proposal being rejected.**

## VI. PAYMENT

Payment to the Contractor will be made in cash from such fund or funds as are legally available including, but not limited to, proceeds from the sale of General Obligation Bonds and/or Revenue Bonds.

## VII. SALES TAX EXEMPTION

The City of Webster City will issue a sales tax exemption certificate to the Contractor for all material purchased for incorporation into the project. Tax exemption certificates are applicable only for the specific project for which the tax exemption certificate is issued. The Contractor shall provide to the City: company name, Federal ID number, contact person, phone number and the service being provided. The Contractor also must file appropriate lien waivers before final payment will be released.

## VIII. NON-DEBARRED CONTRACTORS AND SUBCONTRACTORS

The contractor and all of its subcontractors shall, at the time of bid opening and for the performance of this public works contract, be non-debarred contractors and not be ineligible contractors.

The bidder, by submission of a bid and under penalty of perjury, certifies that they or any other person associated therewith in the capacity of owner, partner, director, officer, manager, or persons acting in these capacities for any subcontractor:

- a. is not currently under suspension, debarment, voluntary exclusion or determination of ineligibility by any federal or state agency;
- b. has not been suspended, debarred, voluntarily excluded, or determined ineligible by any federal or state agency within the past three (3) years;
- c. does not have a proposed debarment pending; and
- d. has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years.

The following documents must be submitted as printed. No alterations, additions, or deletions are allowed. If the Bidder notes a requirement in the Contract Documents that the Bidder believes will require a conditioned or unsolicited alternate bid, the Bidder must immediately notify the Engineer in writing. The Engineer will issue any necessary interpretation by an addendum.

## **PROPOSAL**

### **PROPOSAL: PART A – SCOPE**

The **City of Webster City**, hereinafter called the “Jurisdiction,” has need of a qualified contractor to complete the work comprising the below referenced improvement. The undersigned Bidder hereby proposes to complete the work comprising the below referenced improvement as specified in the Contract Documents, which are officially on file with the Jurisdiction, in the office of the **City Clerk**, at the prices hereinafter provided in Part C of the Proposal, for the following described improvements:

### **EAST TWIN PARK SPLASH PAD PROJECT**

#### **Base Bid**

The East Twin Park Splash Pad project includes installation of the proposed splash pad equipment that is provided by the Owner. Also includes demolition of existing pavement and vegetation, earthwork, sanitary sewer, storm sewer, water service, electrical service, colored PCC pavement, standard PCC pavement, open shade structure, surface restoration and miscellaneous associated work necessary for a complete and operational splash pad. Contractor to pick up splash pad components purchased by Owner at Webster City street department building located at 100 E. Ohio St. Webster city, IA 50595. Contractor shall coordinate and install splash pad components per manufacturer's specifications, recommendations and requirements.

#### **Add Alternate #1:**

Add parking stalls and connecting sidewalk. See plan sheets for additional information.

#### **Add Alternate #2**

Add walkway from shelter area to playground and basketball court areas. See plans for additional information.

#### **Add Alternate #3**

Furnish and install 20' x 24' shelter and associated footings. See plans for additional information.

### **PROPOSAL: PART B – ACKNOWLEDGEMENT OF ADDENDA**

The Bidder hereby acknowledges that all addenda become a part of the Contract Documents when issued and that each such addendum has been received and utilized in the preparation of this bid. The Bidder hereby acknowledges receipt of the following addenda by inserting the number of each addendum in the blanks below:

ADDENDUM NUMBER \_\_\_\_\_ ADDENDUM NUMBER \_\_\_\_\_

ADDENDUM NUMBER \_\_\_\_\_ ADDENDUM NUMBER \_\_\_\_\_

and certifies that said addenda were utilized in the preparation of this bid.

## **PROPOSAL: PART C – BID ITEMS, QUANTITIES, AND PRICES**

**UNIT BID PRICE CONTRACTS:** The Bidder must provide the Unit Bid Price, the Total Bid Price, any Alternate Prices, and the Total Construction Costs on the Proposal Attachment: Part C – Bid Items, Quantities, and Prices. In case of discrepancy, the Unit Bid Price governs. The quantities shown on the Proposal Attachment: Part C – Bid Items, Quantities, and Prices are approximate only, but are considered sufficiently adequate for the purpose of comparing bids. The Total Construction Cost plus any alternates selected by the Jurisdiction shall be used only for comparison of bids. The Total Construction Cost, including any Add-Alternates, shall be used for determining the sufficiency of the bid security.

**BASE BID CONTRACTS:** The Bidder must provide any Bid Prices, any Alternate Prices, and the Total of the Base Bid plus any Add-Alternates on the Proposal Attachment: Part C – Bid Items, Quantities, and Prices. The Total of the Base Bid plus any Alternates selected by the Jurisdiction shall be used only for comparison of bids. The Total of the Base Bid plus any Add-Alternates shall be used for determining the sufficiency of the bid security.

## **PROPOSAL: PART D – GENERAL**

The Bidder hereby acknowledges that the Jurisdiction, in advertising for public bids for this project, reserves the right to:

1. Reject any or all bids. Award of the Contract, if any, to be to the lowest responsible, responsive Bidder; and
2. Reject any or all alternates in determining the items to be included in the Contract. Designation of the lowest responsible, responsive Bidder to be based on comparison of the total bid plus any selected alternates; and
3. Make such alterations in the Contract Documents or in the Proposal quantities as it determines necessary in accordance with the Contract Documents after execution of the Contract. Such alterations shall not be considered a waiver of any conditions of the Contract Documents, and shall not invalidate any of the provisions thereof; and

The Bidder hereby agrees to:

1. Enter into a Contract, if this Proposal is selected, in the form approved by the Jurisdiction, provide proof of registration with the Iowa Division of Labor in accordance with Chapter 91C of the Iowa Code, and furnish a Performance, Payment, and Maintenance Bond; and
2. Forfeit bid security, not as a penalty but as liquidated damages, upon failure to enter into such Contract and/or to furnish said Bond; and
3. Notice to Proceed shall be issued after satisfactory review of executed bonds, insurance, and contract.
4. The Contractor shall complete the work as follows:  
Substantial completion of the project shall be July 30, 2024. The Contractor shall fully complete the project by August 31, 2024. Fully completion includes having a functioning splash pad, all pavements, utilities, and site restoration and ALL work areas open to use by the public. Work once commenced shall be diligently worked to completion. Should the Contractor fail to fully complete the work within the time allotted, liquidated damages of Five Hundred Dollars (\$500) per working day shall be applied for each calendar day until the work is fully complete.

## PROPOSAL: PART E – NON-COLLUSION AFFIDAVIT

The Bidder hereby certifies:

1. That this Proposal is not affected by, contingent on, or dependent on any other proposal submitted for any improvement with the Jurisdiction; and
2. That no individual employed by the Bidder has employed any person to solicit or procure the work on this project, nor will any employee of the Bidder make any payment or agreement for payment of any compensation in connection with the procurement of this project; and
3. That no part of the bid price received by the Bidder was or will be paid to any person, corporation, firm, association, or other organization for soliciting the bid, other than the payment of their normal compensation to persons regularly employed by the Bidder whose services in connection with the construction of the project were in the regular course of their duties for the Bidder; and
4. That this Proposal is genuine and not collusive or sham; that the Bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to submit a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly, sought, by agreement or collusion, or communication or conference, with any person, to fix the bid price of the Bidder or of any other bidder, and that all statements in this proposal are true; and
5. That the individual(s) executing this Proposal have the authority to execute this Proposal on behalf of the Bidder.

## PROPOSAL: PART F – ADDITIONAL REQUIREMENTS

The Bidder hereby agrees to comply with the additional requirements listed below that are included in this Proposal and identified as proposal attachments:

<u>ITEM NO.</u>	<u>DESCRIPTION OF ATTACHMENT</u>
1.	<u>Bidder Status Form</u>
2.	<u></u>
3.	<u></u>
4.	<u></u>
5.	<u></u>
6.	<u></u>

## PROPOSAL: PART G – IDENTITY OF BIDDER

The Bidder shall indicate whether the bid is submitted by a/an:

- ☐ Individual,  
Sole Proprietorship
- ☐ Partnership
- ☐ Corporation
- ☐ Limited Liability Company
- ☐ Joint-venture: all parties must join-in  
and execute all documents
- ☐ Other

The Bidder shall enter its Public Registration  
Number \_\_\_\_\_ - \_\_\_\_\_ issued  
By the Iowa Commissioner of Labor Pursuant  
Section 91C.5 of the Iowa Code.

Failure to provide said Registration Number  
shall result in the bid being read under  
advisement. A contract will not be executed  
until the Contractor is registered.

\_\_\_\_\_  
Bidder

\_\_\_\_\_  
Signature

By: \_\_\_\_\_  
Name (Print/Type)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone Number

**Type or print the name and title of the company's  
owner, president, CEO, etc.  
if a different person than entered above.**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

### NOTE:

- The signature on this Proposal must be an original signature in ink; copies, facsimiles, or electronic signatures will not be accepted.**

## PROPOSAL ATTACHMENT: PART C – BID ITEMS, QUANTITIES, AND PRICES

This is a UNIT BID PRICE CONTRACT. The bidder must provide the Bid Price(s), and the Total of the Base Bid in this Proposal Attachment: Part C – Bid Items, Quantities, and Prices the total of the base bid plus any alternates selected by the Jurisdiction shall be used only for comparison of bids. The total of the Base Bid shall be used for determining the sufficiency of the bid security.

BASE BID					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>GENERAL PROVISIONS</b>				
1.1	Mobilization / Construction Fence	LS	1	\$	\$
	<b>EARTHWORK</b>				
2.1	Demolition	LS	1	\$	\$
2.2	Grading	LS	1	\$	\$
	<b>STORM SEWER</b>				
3.1	4" HDPE (trenched)	LF	33	\$	\$
3.2	6" C900 (bored under road)	LF	45	\$	\$
3.3	6" HDPE (trenched)	LF	17	\$	\$
3.4	6" Subdrain	LF	81	\$	\$
3.5	Inline Drain Intake	EA	1	\$	\$
3.6	Connection to Existing	LS	1	\$	\$
	<b>SANITARY SEWER SERVICE</b>				
4.1	6" Sanitary Sewer Line	LF	100	\$	\$
4.2	Connection to Existing	LS	1	\$	\$
4.3	Rain Diverter – labor	EA	1	\$	\$
	<b>WATER SERVICE</b>				
5.1	4" Water Line (bored under road)	LF	50	\$	\$
5.2	Connection to Existing	LS	1	\$	\$
5.3	Curb Stop	EA	1	\$	\$
5.4	Winterization Curb Stop	LS	1	\$	\$
5.5	Backflow Preventer	LS	1	\$	\$
	<b>ELECTRICAL SERVICE</b>				
6.1	Electrical Service Line	LS	1	\$	\$
	<b>PAVEMENT</b>				
7.1	5" depth PCC Sidewalk	SF	2,152	\$	\$
7.2	5" depth PCC Colored Pavement	SF	3,500	\$	\$
7.3	6" depth PCC Roadway	SF	95	\$	\$

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
7.4	PCC Curb	LF	18	\$	\$
7.5	PCC Edger	LF	35	\$	\$
	<b>SPLASH PAD INSTALLATION</b>				
8.1	Installation of Splash Pad Components	LS	1	\$	\$
	<b>SURFACE RESTORATION</b>				
9.1	Standard Seed Mix	LS	1	\$	\$
9.2	Erosion Control	LS	1	\$	\$

**TOTAL CONSTRUCTION COST BASE BID: \$**

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ADD ALTERNATE #1					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>PARKING AREA</b>				
	Demolition / Grading	LS	1	\$	\$
	5" depth PCC Sidewalk	SF	826	\$	\$
	6" depth PCC Parking	SF	1,450	\$	\$
	6" PCC Curb	LF	95	\$	\$

**TOTAL ADD ALTERNATE #1 BID: \$**

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ADD ALTERNATE #2					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>SIDEWALK SOUTH OF SHELTER</b>				
	Demolition / Grading	LS	1	\$	\$
	5" depth PCC Sidewalk	SF	383	\$	\$

**TOTAL ADD ALTERNATE #2 BID: \$**

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ADD ALTERNATE #3					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>SHELTER</b>				
	20' x 24' Shelter	EA	1	\$	\$

**TOTAL ADD ALTERNATE #3 BID: \$**

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All bidders must submit the following completed form to the governmental body requesting bids per  
875 Iowa Administrative Code Chapter 156.

## Bidder Status Form

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### To be completed by all bidders

### Part A

Please answer "Yes" or "No" for each of the following:

- ☐ Yes ☐ No My company is authorized to transact business in Iowa.  
*(To help you determine if your company is authorized, please review the worksheet on the next page).*
- ☐ Yes ☐ No My company has an office to transact business in Iowa.
- ☐ Yes ☐ No My company's office in Iowa is suitable for more than receiving mail, telephone calls, and e-mail.
- ☐ Yes ☐ No My company has been conducting business in Iowa for at least 3 years prior to the first request for bids on this project.
- ☐ Yes ☐ No My company is not a subsidiary of another business entity, or my company is a subsidiary of another business entity that would qualify as a resident bidder in Iowa.

If you answered "Yes" for each question above, your company qualifies as a resident bidder. Please complete Parts B and D of this form.

If you answered "No" to one or more questions above, your company is a non-resident bidder. Please complete Parts C and D of this form.

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### To be completed by resident bidders

### Part B

My company has maintained offices in Iowa during the past 3 years at the following addresses:

Dates: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ to \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Dates: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ to \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Dates: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ to \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Address: \_\_\_\_\_

*You may attach additional sheet(s) if needed.* City, State, Zip: \_\_\_\_\_

---

### To be completed by non-resident bidders

### Part C

1. Name of home state or foreign country reported to the Iowa Secretary of State: \_\_\_\_\_
2. Does your company's home state or foreign country offer preferences to bidders who are residents? ☐ Yes ☐ No
3. If you answered "Yes" to question 2, identify each preference offered by your company's home state or foreign country and the appropriate legal citation.

\_\_\_\_\_  
\_\_\_\_\_

*You may attach additional sheet(s) if needed.*

---

### To be completed by all bidders

### Part D

I certify that the statements made on this document are true and complete to the best of my knowledge and I know that my failure to provide accurate and truthful information may be a reason to reject my bid.

Firm Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### **Worksheet: Authorization to Transact Business**

This worksheet may be used to help complete Part A of the Resident Bidder Status form. If at least one of the following describes your business, you are authorized to transact business in Iowa.

- ☐ Yes ☐ No My business is currently registered as a contractor with the Iowa Division of Labor.
- ☐ Yes ☐ No My business is a sole proprietorship, and I am an Iowa resident for Iowa income tax purposes.
- ☐ Yes ☐ No My business is a general partnership or joint venture. More than 50 percent of the general partners or joint venture parties are residents of Iowa for Iowa income tax purposes.
- ☐ Yes ☐ No My business is an active corporation with the Iowa Secretary of State and has paid all fees required by the Secretary of State, has filed its most recent biennial report, and has not filed articles of dissolution.
- ☐ Yes ☐ No My business is a corporation whose articles of incorporation are filed in a state other than Iowa, the corporation has received a certificate of authority from the Iowa Secretary of State, has filed its most recent biennial report with the Secretary of State, and has neither received a certificate of withdrawal from the Secretary of state nor had its authority revoked.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in this state and the statement has not been canceled.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in a state other than Iowa, has filed a statement of foreign qualification in Iowa and a statement of cancellation has not been filed.
- ☐ Yes ☐ No My business is a limited partnership or limited liability limited partnership which has filed a certificate of limited partnership in this state and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited partnership or a limited liability limited partnership whose certificate of limited partnership is filed in a state other than Iowa, the limited partnership or limited liability limited partnership has received notification from the Iowa Secretary of state that the application for certificate of authority has been approved and no notice of cancellation has been filed by the limited partnership or the limited liability limited partnership.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in Iowa and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in a state other than Iowa, has received a certificate of authority to transact business in Iowa and the certificate has not been revoked or canceled.

## **BID BOND**

KNOW ALL BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal, and \_\_\_\_\_, as Surety, are held and firmly bound unto the **City of Webster City, Iowa**, as Obligee, (hereinafter referred to as the "Jurisdiction"), in the penal sum of \_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_), or **ten percent (10%)** of the amount bid in lawful money of the United States, for which payment said Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns jointly and severally, firmly by these presents.

The condition of the above obligation is such that whereas the Principal has submitted to the Jurisdiction a certain Proposal, in a separate envelope, and hereby made a part hereof, to enter into a Contract in writing, for the following described improvements:

### **EAST TWIN PARK SPLASH PAD PROJECT**

#### **Project Description:**

##### **Base Bid**

The East Twin Park Splash Pad project includes installation of the proposed splash pad equipment that is provided by the Owner. Also includes demolition of existing pavement and vegetation, earthwork, sanitary sewer, storm sewer, water service, electrical service, colored PCC pavement, standard PCC pavement, open shade structure, surface restoration and miscellaneous associated work necessary for a complete and operational splash pad. Contractor to pick up splash pad components purchased by Owner at Webster City street department building located at 100 E. Ohio St. Webster city, IA 50595. Contractor shall coordinate and install splash pad components per manufacturer's specifications, recommendations and requirements.

##### **Add Alternate #1:**

Add parking stalls and connecting sidewalk. See plans for additional information.

##### **Add Alternate #2**

Add walkway from shelter area to playground and basketball court areas. See plans for additional information.

##### **Add Alternate #3**

Furnish and install 20' x 24' shelter and associated footings. See plans for additional information.

The Surety hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of the time within which the Jurisdiction may accept such bid or execute such Contract; and said Surety does hereby waive notice of any such extension.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be **Hamilton** County, State of Iowa. If legal action is required by the Jurisdiction against the Surety or Principal to enforce the provisions of the Bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Surety or Principal agrees to pay the Jurisdiction all damages, costs, and attorney fees incurred by enforcing any of the provisions of this Bond. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers, and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against Surety for any amount guaranteed hereunder whether action is brought against Principal or whether Principal is joined in any such action or actions or not.

NOW, THEREFORE, if said Proposal by the Principal be accepted, and the Principal shall enter into a Contract with Jurisdiction in accordance with the terms of such Proposal, including the provision of insurance and of a Bond as may be specified in the Contract Documents, with good and sufficient Surety for the faithful performance of such Contract, for the prompt payment of labor and material furnished in the prosecution thereof, and for the maintenance of said improvements as may be required therein, then this obligation shall become null and void; otherwise, the Principal shall pay to the Jurisdiction the full amount of the Bid Bond, together with court costs, attorney's fees, and any other expense of recovery.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

**SURETY:**

**PRINCIPAL:**

_____	_____
Surety Company	Bidder
By: _____	By: _____
Signature Attorney-in-Fact/Officer	Signature
_____	_____
Printed Name of Attorney-in-Fact/Officer	Printed Name
_____	_____
Company Name	Title
_____	_____
Company Address	Address
_____	_____
City, State, Zip Code	City, State, Zip Code
_____	_____
Company Telephone Number	Telephone Number

**NOTE:**

1. All signatures on this Bid Bond must be original signatures in ink; copies, facsimiles, or electronic signatures will not be accepted.
2. This Bond must be sealed with the Surety's raised, embossing seal.
3. The Certificate or Power of Attorney accompanying this Bond must be valid on its face and sealed with the Surety's raised, embossing seal.

**NON-COLLUSION AFFIDAVIT STATEMENT**

STATE OF IOWA                    )  
  ) ss  
HAMILTON COUNTY                )

I \_\_\_\_\_ being first duly sworn, depose and

say that I am the \_\_\_\_\_  
(Sole Owner, Partner, President, Secretary, etc.)

of \_\_\_\_\_,  
(Contractor)

the party making the foregoing bid; that such bid is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that such bid is genuine and not collusive or sham; that said bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded conspired, connived, or agreed with any bidder or anyone else to put in a false or sham bid, or that anyone shall refrain from bidding; that said bidder has not solicited or induced any individual or entity to refrain from bidding; that said bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to get the bid price of said bidder or of any other bidder, not to fix any overhead, profit, or cost advantage against the public body awarding the contract or anyone interested in the proposed contract; that bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract; that all statements contained in such bid are true; and further, that said bidder has not directly or indirectly submitted his/her bid price or any breakdown thereof, nor the contents thereof, nor divulged information or data relative thereto, nor paid and will not pay fee in connection therewith to any corporation, partnership, company, association, organization, bid depository, nor to any member or agent thereof, nor to any other individual except to such person or persons as have a partnership or other financial interest with said bidder in his/her general business.

By: \_\_\_\_\_

Subscribed and sworn to before this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

(Notarial Acknowledgment)

\_\_\_\_\_  
Signature of Officer Administering Oath

## SUBCONTRACTORS LIST

Bidder supplies the following information for any subcontractor, supplier, fabricator, equipment rental with operator, etc. to be used on the **Fair Meadow Drive Reconstruction Project**.

Name and Telephone No.	Address	License No.	Bid Item No. or Work to be Performed
(     )			
(     )			
(     )			
(     )			
(     )			
(     )			
(     )			
(     )			

(Use additional sheets as necessary)

## BID CERTIFICATION

The undersigned certifies they are familiar with the various state and local laws affecting labor, length of working days, employer's liabilities, Sunday and holiday work, alien labor, domestic materials, subcontractors, etc. It is understood and agreed that the work under the contract will be commenced by the undersigned bidder, if awarded the contract, within fourteen (14) calendar days after receipt of the Notice to Proceed and will be completed by the Contractor in the time set forth in the AGREEMENT. Contract time shall begin on the date of the Notice to Proceed and "winter work" shall be as specified in the Special Provisions.

Enclosed find bidders bond, certified check no. or cashier's check no. \_\_\_\_\_ on the

\_\_\_\_\_ Bank,

in the amount of \_\_\_\_\_

which is as stipulated in the bid bond, submitted by the undersigned made payable to the City of Webster City, Iowa and which is given as a guarantee that the bidder agrees that in case of their default in executing said contract with necessary bonds, the bond or check accompanying this bid and the money made payable shall become and remain the property of the City.

It is understood and agreed that the City has the right to waive defects and to accept or reject any or all bids. The following required information is true and correct. Failure to complete this information renders the bid non-responsive and the bid must be rejected.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Signatory's Title

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
State License Number

\_\_\_\_\_  
Street Address (if different from Mailing Address)

\_\_\_\_\_  
Email Address

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Fax Number

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

.....  
**RECEIPT OF ADDENDA:**

Addendum #1 \_\_\_\_\_ Addendum #2 \_\_\_\_\_ Addendum #3 \_\_\_\_\_

## CONTRACT

THIS CONTRACT, made and entered into at **Webster City City Hall** this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, by and between the **City of Webster City, Iowa** by its **Mayor**, upon order of its **City Council** hereinafter called the "Jurisdiction," and \_\_\_\_\_, hereinafter called the "Contractor."

WITNESSETH:

The Contractor hereby agrees to complete the work comprising the below referenced improvements as specified in the Contract Documents, which are officially on file with the Jurisdiction, in the office of the **City Clerk**. This Contract includes all Contract Documents. The work under this Contract shall be constructed in accordance with the SUDAS Standard Specifications, 2022 Edition, and as further modified by the Supplemental Specifications and Special Provisions included in said Contract Documents. The Contractor further agrees to complete the work in strict accordance with said Contract Documents, and to guarantee the work as required by law, for the time required in said Contract Documents, after its acceptance by the Jurisdiction.

This Contract is awarded and executed for completion of the work specified in the Contract Documents for the bid prices shown on the Contract Attachment: Bid Items, Quantities, and Prices, which were proposed by the Contractor in its Proposal submitted in accordance with the Notice to Bidders and Notice of Public Hearing for the following described improvements:

### EAST TWIN PARK SPLASH PAD PROJECT

#### Project Description:

##### Base Bid

The East Twin Park Splash Pad project includes installation of the proposed splash pad equipment that is provided by the Owner. Also includes demolition of existing pavement and vegetation, earthwork, sanitary sewer, storm sewer, water service, electrical service, colored PCC pavement, standard PCC pavement, open shade structure, surface restoration and miscellaneous associated work necessary for a complete and operational splash pad. Contractor to pick up splash pad components purchased by Owner at Webster City street department building located at 100 E. Ohio St. Webster city, IA 50595. Contractor shall coordinate and install splash pad components per manufacturer's specifications, recommendations and requirements.

##### Add Alternate #1:

Add parking stalls and connecting sidewalk. See plans for additional information.

##### Add Alternate #2

Add walkway from shelter area to playground and basketball court areas. See plans for additional information.

##### Add Alternate #3

Furnish and install 20' x 24' shelter and associated footings. See plans for additional information.

The Contractor agrees to perform said work for and in consideration of the Jurisdiction's payment of the bid amount of \_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_), which amount shall constitute the required amount of the Performance, Payment, and Maintenance Bond.

The Contractor shall complete the work as follows:

The start date is Wednesday, May 1, 2024. The Notice to Proceed is anticipated to be issued after satisfactory review of executed bonds, insurance, and contract and the start date. The work shall be diligently worked to completion.

Substantial completion of the project shall be July 30, 2024. The Contractor shall fully complete the project by August 31, 2024. Fully completion includes having a functioning splash pad, all pavements, utilities, and site restoration and ALL work areas open to use by the public. Work once commenced shall be diligently worked to completion. Should the Contractor fail to fully complete the work within the time allotted, liquidated damages of Five Hundred Dollars (\$500) per working day shall be applied for each calendar day until the work is fully complete.

IN WITNESS WHEREOF, the Parties hereto have executed this instrument, in triplicate on the date first shown written.

**JURISDICTION:**

**CONTRACTOR:**

By: \_\_\_\_\_

\_\_\_\_\_  
Contractor

(Seal)  
ATTEST:

By: \_\_\_\_\_  
Signature

\_\_\_\_\_

\_\_\_\_\_  
Title

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone

**CONTRACTOR PUBLIC REGISTRATION INFORMATION To Be Provided By:**

1. All Contractors: The Contractor shall enter its Public Registration Number \_\_\_\_ - \_\_\_\_ issued by the Iowa Commissioner of Labor pursuant to Section 91C.5 of the Iowa Code.
2. Out-of-State Contractors:
  - A. Pursuant to Section 91C.7 of the Iowa Code, an out-of-state contractor, before commencing a contract in excess of five thousand dollars in value in Iowa, shall file a bond with the Division of Labor Services of the Iowa Department of Workforce Development. It is the contractor's responsibility to comply with said Section 91C.7 before commencing this work.
  - B. Prior to entering into contract, the designated low bidder, if it is a corporation organized under the laws of a state other than Iowa, shall file with the Engineer a certificate from the Secretary of the State of Iowa showing that it has complied with all the provisions of Chapter 490 of the Iowa Code, or as amended, governing foreign corporations.

**NOTE:**

- 1. All signatures on this Contract must be original signatures in ink; copies, facsimiles, or electronic signatures will not be accepted.**

**CORPORATE ACKNOWLEDGEMENT**

State of \_\_\_\_\_ )  
 ) SS  
\_\_\_\_\_ County)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned, a Notary Public in and for the State of \_\_\_\_\_, personally appeared \_\_\_\_\_ and \_\_\_\_\_, to me known, who, being by me duly sworn, did say that they are the \_\_\_\_\_, and \_\_\_\_\_, respectively, of the corporation executing the foregoing instrument; that (no seal has been procured by) (the seal affixed thereto is the seal of) the corporation; that said instrument was signed (and sealed) on behalf of the corporation by authority of this Board of Directors; that \_\_\_\_\_ and \_\_\_\_\_ acknowledged the execution of the instrument to be the voluntary act and deed of the corporation, by it and by them voluntarily executed.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_  
My commission expires \_\_\_\_\_, 20\_\_\_\_

**PARTNERSHIP ACKNOWLEDGEMENT**

State of \_\_\_\_\_ )  
 ) SS  
\_\_\_\_\_ County)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned, a Notary Public in and for the State of \_\_\_\_\_, personally appeared \_\_\_\_\_ to me personally known, who being by me duly sworn, did say that the person is one of the partners of \_\_\_\_\_, a partnership, and that the instrument was signed on behalf of the partnership by authority of the partners and the partner acknowledged the execution of the instrument to be the voluntary act and deed of the partnership by it and by the partner voluntarily executed.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_  
My commission expires \_\_\_\_\_, 20\_\_\_\_

## INDIVIDUAL ACKNOWLEDGEMENT

State of \_\_\_\_\_ )  
 ) SS  
\_\_\_\_\_ County)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned, a Notary Public in and for the State of \_\_\_\_\_, personally appeared \_\_\_\_\_ and \_\_\_\_\_, to me known to be the identical person(s) named in and who executed the foregoing instrument and acknowledged that (he) (she) (they) executed the instrument as (his) (her) (their) voluntary act and deed.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_  
My commission expires \_\_\_\_\_, 20\_\_\_\_

## LIMITED LIABILITY COMPANY ACKNOWLEDGEMENT

State of \_\_\_\_\_ )  
 ) SS  
\_\_\_\_\_ County)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me a Notary Public in and for said county, personally appeared \_\_\_\_\_, to me personally known, who being by me duly sworn did say that person is \_\_\_\_\_ of said \_\_\_\_\_, that (the seal affixed to said instrument is the seal of said OR no seal has been procured by the said) \_\_\_\_\_, and that said instrument was signed and sealed on behalf of the said \_\_\_\_\_, by authority of its managers and the said \_\_\_\_\_ acknowledged the execution of said instrument to be the voluntary act and deed of said \_\_\_\_\_, by it voluntarily executed.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_  
My commission expires \_\_\_\_\_, 20\_\_\_\_

## CONTRACT ATTACHMENT: BID ITEMS, QUANTITIES, AND PRICES

This Contract is award and executed for completion of the work specified in the Contract Documents for the bid prices tabulated below as proposed by the Contractor in its Proposal submitted in accordance with the Notice to Bidders and Notice of Public Hearing. All quantities are subject to revision by the Jurisdiction. Quantity changes that amount to twenty percent (20%) or less of the amount bid shall not affect the unit bid price.

BASE BID					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>GENERAL PROVISIONS</b>				
1.1	Mobilization / Construction Fence	LS	1	\$	\$
	<b>EARTHWORK</b>				
2.1	Demolition	LS	1	\$	\$
2.2	Grading	LS	1	\$	\$
	<b>STORM SEWER</b>				
3.1	4" HDPE (trenched)	LF	33	\$	\$
3.2	6" C900 (bored under road)	LF	45	\$	\$
3.3	6" HDPE (trenched)	LF	17	\$	\$
3.4	6" Subdrain	LF	81	\$	\$
3.5	Inline Drain Intake	EA	1	\$	\$
3.6	Connection to Existing	LS	1	\$	\$
	<b>SANITARY SEWER SERVICE</b>				
4.1	6" Sanitary Sewer Line	LF	100	\$	\$
4.2	Connection to Existing	LS	1	\$	\$
4.3	Rain Diverter – labor	EA	1	\$	\$
	<b>WATER SERVICE</b>				
5.1	4" Water Line (bored under road)	LF	50	\$	\$
5.2	Connection to Existing	LS	1	\$	\$
5.3	Curb Stop	EA	1	\$	\$
5.4	Winterization Curb Stop	LS	1	\$	\$
5.5	Backflow Preventer	LS	1	\$	\$
	<b>ELECTRICAL SERVICE</b>				
6.1	Electrical Service Line	LS	1	\$	\$
	<b>PAVEMENT</b>				
7.1	5" depth PCC Sidewalk	SF	2,152	\$	\$
7.2	5" depth PCC Colored Pavement	SF	3,500	\$	\$
7.3	6" depth PCC Roadway	SF	95	\$	\$

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
7.4	PCC Curb	LF	18	\$	\$
7.5	PCC Edger	LF	35	\$	\$
	<b>SPLASH PAD INSTALLATION</b>				
8.1	Installation of Splash Pad Components	LS	1	\$	\$
	<b>SURFACE RESTORATION</b>				
9.1	Standard Seed Mix	LS	1	\$	\$
9.2	Erosion Control	LS	1	\$	\$

**TOTAL CONSTRUCTION COST BASE BID: \$**

<b>ADD ALTERNATE #2</b>					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>SIDEWALK SOUTH OF SHELTER</b>				
	Demolition / Grading	LS	1	\$	\$
	5" depth PCC Sidewalk	SF	383	\$	\$

**TOTAL ADD ALTERNATE #2 BID: \$**

<b>ADD ALTERNATE #3</b>					
Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
	<b>SHELTER</b>				
	20' x 24' Shelter	EA	1	\$	\$

**TOTAL ADD ALTERNATE #3 BID: \$**

## **PERFORMANCE, PAYMENT, AND MAINTENANCE BOND**

KNOW ALL BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal (hereinafter the "Contractor" or "Principal") and \_\_\_\_\_, as Surety, are held and firmly bound unto the **City of Webster City, Iowa**, as Obligee, (hereinafter referred to as the "Jurisdiction"), and to all persons who may be injured by any breach of any of the conditions of this Bond in the penal sum of \_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, legal representatives, and assigns, jointly or severally, firmly by these presents.

The conditions of the above obligations are such that whereas said Contractor entered into a contract with the Jurisdiction, bearing date the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, (hereinafter the "Contract") wherein said Contractor undertakes and agrees to construct the following described improvements:

### **EAST TWIN PARK SPLASH PAD PROJECT**

#### **Project Description:**

##### **Base Bid**

The East Twin Park Splash Pad project includes installation of the proposed splash pad equipment that is provided by the Owner. Also includes demolition of existing pavement and vegetation, earthwork, sanitary sewer, storm sewer, water service, electrical service, colored PCC pavement, standard PCC pavement, open shade structure, surface restoration and miscellaneous associated work necessary for a complete and operational splash pad. Contractor to pick up splash pad components purchased by Owner at Webster City street department building located at 100 E. Ohio St. Webster city, IA 50595. Contractor shall coordinate and install splash pad components per manufacturer's specifications, recommendations and requirements.

##### **Add Alternate #1:**

Add parking stalls and connecting sidewalk. See plans for additional information.

##### **Add Alternate #2**

Add walkway from shelter area to playground and basketball court areas. See plans for additional information.

##### **Add Alternate #3**

Furnish and install 20' x 24' shelter and associated footings. See plans for additional information.

and to faithfully perform all the terms and requirements of said Contract within the time therein specified, in a good and workmanlike manner, and in accordance with the Contract Documents.

It is expressly understood and agreed by the Contractor and Surety in this Bond that the following provisions are a part of this Bond and are binding upon said Contractor and Surety, to-wit:

1. **PERFORMANCE:** The Contractor shall well and faithfully observe, perform, fulfill, and abide by each and every covenant, condition, and part of said Contract and Contract Documents, by reference made a part hereof, for the above referenced improvements, and shall indemnify and save harmless the Jurisdiction from all outlay and expense incurred by the Jurisdiction by reason of the Contractor's default or failure to perform as required. The Contractor shall also be responsible for the default or failure to perform as required under the Contract and Contract Documents by all its subcontractors,

suppliers, agents, or employees furnishing materials or providing labor in the performance of the Contract.

2. **PAYMENT:** The Contractor and the Surety on this Bond are hereby agreed to pay all just claims submitted by persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the performance of the Contract on account of which this Bond is given, including but not limited to claims for all amounts due for labor, materials, lubricants, oil, gasoline, repairs on machinery, equipment, and tools, consumed or used by the Contractor or any subcontractor, wherein the same are not satisfied out of the portion of the contract price which the Jurisdiction is required to retain until completion of the improvement, but the Contractor and Surety shall not be liable to said persons, firms, or corporations unless the claims of said claimants against said portion of the contract price shall have been established as provided by law. The Contractor and Surety hereby bind themselves to the obligations and conditions set forth in Chapter 573 of the Iowa Code, which by this reference is made a part hereof as though fully set out herein.
3. **MAINTENANCE:** The Contractor and the Surety on this Bond hereby agree, at their own expense:
  - A. To remedy any and all defects that may develop in or result from work to be performed under the Contract within the period of **two (2) years** from the date of acceptance of the work under the Contract, by reason of defects in workmanship or materials used in construction of said work;
  - B. To keep all work in continuous good repair; and
  - C. To pay the Jurisdiction's reasonable costs of monitoring and inspecting to assure that any defects are remedied, and to repair the Jurisdiction all outlay and expense incurred as a result of Contractor's and Surety's failure to remedy any defect as required by this section.
4. **GENERAL:** Every Surety on this Bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:
  - A. To consent without notice to any extension of time to the Contractor in which to perform the Contract;
  - B. To consent without notice to any change in the Contract or Contract Documents, which thereby increases the total contract price and the penal sum of this bond, provided that all such changes do not, in the aggregate, involve an increase of more than twenty percent (20%) of the total contract price, and that this Bond shall then be released as to such excess increase; and
  - C. To consent without notice that this Bond shall remain in full force and effect until the Contract is completed, whether completed within the specified contract period, within an extension thereof, or within a period of time after the contract period has elapsed and the liquidated damage penalty is being charged against the Contractor.
  - D. That no provision of this Bond or of any other contract shall be valid which limits to less than five years after the acceptance of the work under the Contract the right to sue on this Bond.

- E. That as used herein, the phrase “all outlay and expense” is not to be limited in any way but shall include the actual and reasonable costs and expenses incurred by the Jurisdiction including interest, benefits, and overhead where applicable. Accordingly, “all outlay and expense” would include but not be limited to all contract or employee expense, all equipment usage or rental, materials, testing, outside experts, attorney’s fees (including overhead expenses of the Jurisdiction’s staff attorneys), and all costs and expenses of litigation as they are incurred by the Jurisdiction. It is intended the Contractor and Surety will defend and indemnify the Jurisdiction on all claims made against the Jurisdiction on account of Contractor’s failure to perform as required in the Contract and Contract Documents, that all agreements and promises set forth in the Contract and Contract Documents, in approved change orders, and in this Bond will be fulfilled, and that the Jurisdiction will be fully indemnified so that it will be put into the position it would have been in had the Contract been performed in the first instance as required.

In the event the Jurisdiction incurs any “outlay and expense” in defending itself with respect to any claim as to which the Contractor or Surety should have provided the defense, or in the enforcement of the promises given by the Contractor in the Contract, Contract Documents, or approved change orders, or in the enforcement of the promises given by the Contractor and Surety in this Bond, the Contractor and Surety agree that they will make the Jurisdiction whole for all such outlay and expense, provided that the Surety’s obligation under this Bond shall not exceed 125% of the penal sum of this Bond.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be **Hamilton** County, State of Iowa. If legal action is required by the Jurisdiction to enforce the provisions of this Bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Contractor and the Surety agree, jointly and severally, to pay the Jurisdiction all outlay and expense incurred therefore by the Jurisdiction. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers, and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against Surety for any amount guaranteed hereunder whether action is brought against the Contractor or whether Contractor is joined in any such action(s) or not.

NOW THEREFORE, the condition of this obligation is such that if said Principal shall faithfully perform all of the promises of the Principal, as set forth and provided in the Contract, in the Contract Documents, and in this Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

When a word, term, or phase is used in this Bond, it shall be interpreted or construed first as defined in this Bond, the Contract, or the Contract Documents; second, if not defined in the Bond, Contract, or Contract Documents, it shall be interpreted or construed as defined in applicable provisions of the Iowa Code; third, if not defined in the Iowa Code, it shall be interpreted or construed according to its generally accepted meaning in the construction industry; and fourth, if it has no generally accepted meaning in the construction industry, it shall be interpreted or construed according to its common or customary usage.

Failure to specify or particularize shall not exclude terms or provisions not mentioned and shall not limit liability hereunder. The Contract and Contract Documents are hereby made a part of this Bond.

Witness our hands, in triplicate, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Surety Countersigned By:

**PRINCIPAL:**

\_\_\_\_\_  
Signature of Agent

\_\_\_\_\_  
Contractor

By: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Agent

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company Name

**SURETY:**

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
Surety Company

\_\_\_\_\_  
City, State, Zip Code

By: \_\_\_\_\_  
Signature Attorney-in-Fact Officer

\_\_\_\_\_  
Company Telephone Number

\_\_\_\_\_  
Printed Name of Attorney-in-Fact Officer

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Company Telephone Number

**NOTE:**

- 1. All signatures on this Performance, Payment, and Maintenance Bond must be original signatures in ink; copies, facsimiles, or electronic signatures will not be accepted.**
- 2. This Bond must be sealed with the Surety's raised, embossing seal.**
- 3. The Certificate or Power of Attorney accompanying this Bond must be valid on its face and sealed with the Surety's raised, embossing seal.**
- 4. The name and signature of the Surety's Attorney-in-Fact/Officer entered on this Bond must be exactly as listed on the Certificate of Power or Attorney accompanying this Bond.**

**NOTICE TO PROCEED**

PROJECT: East Twin Park Splash Pad Project

OWNER: City of Webster City, Iowa DATE: \_\_\_\_\_

TO: Contractor Name: \_\_\_\_\_

Contractor Address: \_\_\_\_\_

\_\_\_\_\_

You are hereby notified to commence work in accordance with the Contract dated \_\_\_\_\_, on or by the start date of May 1, 2024.

Substantial completion of the project shall be July 30, 2024. The Contractor shall fully complete the project by August 31, 2024. Fully completion includes having a functioning splash pad, all pavements, utilities, and site restoration and ALL work areas open to use by the public. Work once commenced shall be diligently worked to completion. Should the Contractor fail to fully complete the work within the time allotted, liquidated damages of Five Hundred Dollars (\$500) per working day shall be applied for each calendar day until the work is fully complete.

\_\_\_\_\_  
By: \_\_\_\_\_

Title: Project Engineer

**ACCEPTANCE OF NOTICE**

Receipt of the above Notice to Proceed is hereby acknowledged by \_\_\_\_\_ of

\_\_\_\_\_ on this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

By: \_\_\_\_\_

Title: \_\_\_\_\_

## ***Special Provisions***

## PART 1 – SPECIAL CONSTRUCTION

### 1. SCOPE OF WORK

#### **EAST TWIN PARK SPLASH PAD PROJECT**

##### Project Description:

##### Base Bid

The East Twin Park Splash Pad project includes installation of the proposed splash pad equipment that is provided by the Owner. Also includes demolition of existing pavement and vegetation, earthwork, sanitary sewer, storm sewer, water service, electrical service, colored PCC pavement, standard PCC pavement, open shade structure, surface restoration and miscellaneous associated work necessary for a complete and operational splash pad. Contractor to pick up splash pad components purchased by Owner at Webster City street department building located at 100 E. Ohio St. Webster city, IA 50595. Contractor shall coordinate and install splash pad components per manufacturer's specifications, recommendations and requirements.

##### Add Alternate #1:

Add parking stalls and connecting sidewalk. See plans for additional information.

##### Add Alternate #2

Add walkway from shelter area to playground and basketball court areas. See plans for additional information.

##### Add Alternate #3

Furnish and install 20' x 24' shelter and associated footings. See plans for additional information.

### 2. TRAFFIC CONTROL

**Traffic.** Access to businesses and parcels shall be maintained at all practical times, at the end of working hours and on weekends.

**Detours.** All detour signage shall be installed prior to the closure of specified portion of roadway(s) and shall be maintained during closure.

### 3. EXISTING ELECTRICAL SYSTEMS

Conduits from existing light may be encountered during construction of this project. The Contractor is responsible for locating all electrical lines and protecting.

### 4. TREE PRUNING/REMOVAL

Tree locations for clearing are noted in the plans. Verify with City prior to any additional tree trimming.

### 5. SAWCUTTING PAVEMENT

**Sawcutting Residue.** The Contractor shall pick up and remove all residue from any sawcutting operation at the time sawcutting work is performed. Sawcutting residue shall not be washed into gutters, allowed to dry and/or be tracked by vehicular or pedestrian traffic.

### 6. EXISTING UTILITIES

## PART 1 – SPECIAL CONSTRUCTION

Locations of utility lines, mains, cables, and appurtenances shown on the plans are from information provided by utility company and records of Jurisdiction. Prior to construction, contact all utility companies and have all utility lines and services located. The Contractor is responsible for excavating and exposing underground utilities in the line of work. Confirm location of underground utilities by excavating ahead of work. The Contractor is solely responsible for any damage to utilities or private or public property due to utility disruption. The Contractor shall notify utility company immediately if a utility line is damaged during construction.

Utility lines, poles, and appurtenances, except water and sewer lines, in direct conflict with the line and grade of work will be relocated by utility company before or during construction. Support and protect all utilities that are not moved. Utility services are generally shown on the plans; protect and maintain services during construction. No claims for additional compensation will be allowed to the Contractor for interference or delay caused by the utility company. The Contractor shall coordinate their operations with private construction companies on adjacent properties.

### 7. UTILITY COORDINATION AND RELOCATION SCHEDULE

The following information has been obtained from representatives with franchise utility companies located within the project corridor and is for informational purposes only. The Contractor is required to coordinate with the utility companies throughout construction. No claims for additional compensation will be allowed to Contractor for interference or delay caused by utility company.

#### 8.1 Webster City Municipal Electric

8.1.1 Contact: Adam Dickinson  
Phone: (515) 297-1307  
Email: [adam@webstercity.com](mailto:adam@webstercity.com)

#### 8.2 Webster City (Water Main, Storm Sewer and Sanitary Sewer)

8.2.1 Contact: Brandon Bahrenfuss  
Phone: (515) 297-1620  
Email: [bbahrenfuss@webstercity.com](mailto:bbahrenfuss@webstercity.com)

#### 8.3 Black Hills Energy (Gas)

8.3.1 Contact: Mike Broshous  
Phone: (515) 987-8971  
Email: [mike.broshous@blackhillscorp.com](mailto:mike.broshous@blackhillscorp.com)

#### 8.4 Mediacom

8.4.1 Contact: Mike Hollinger  
Phone: (641) 210-2883  
Email: [mhollinger@mediacom.com](mailto:mhollinger@mediacom.com)

#### 8.5 Lumen

## PART 1 – SPECIAL CONSTRUCTION

8.5.1 Contact: Robin DePenning  
Phone: (503) 440-0309  
Email: [robinson.depenning@lumen.com](mailto:robinson.depenning@lumen.com)

### 8.6 Platinum Connect, LLC

8.6.1 Contact: Jake Van Roekel  
Phone: (712) 722-3451  
Email: [jakevr@mypremieronline.com](mailto:jakevr@mypremieronline.com)

## 8. COOPERATION AND COORDINATION WITH OTHERS

The Contractor shall cooperate and coordinate with various contractors working for and/or with the utility companies. No additional contract time or compensation for delays and/or coordination shall be allowed unless delays are beyond utility company's ability to control in completing their work. Utility contact information can be found on Sheet C001 of the Project plan set. Refer to Section 7 for utility contact information.

## 9. CONSTRUCTION SCHEDULE

The Engineer must be provided with a proposed schedule of construction showing dates of starting and completing various portions of work. This schedule is required at the Preconstruction Meeting and shall be updated for each monthly meeting. The Contractor shall demonstrate that sufficient manpower and equipment is scheduled for construction work to maintain a timely and orderly construction.

The Notice to Proceed is anticipated to be issued after satisfactory review of executed bonds, insurance, and contract. Anticipated Start date is May 1, 2024. The work shall be diligently worked to completion.

Substantial completion of the project shall be July 30, 2024. The Contractor shall fully complete the project by August 31, 2024. Fully completion includes having a functioning splash pad, all pavements, utilities, and site restoration and ALL work areas open to use by the public. Work once commenced shall be diligently worked to completion. Should the Contractor fail to fully complete the work within the time allotted, liquidated damages of Five Hundred Dollars (\$500) per working day shall be applied for each calendar day until the work is fully complete.

## 10. CONSTRUCTION YARD

The Contractor shall provide and maintain as necessary, any additional property required for storage of equipment, materials, etc., to perform work on this project. At the end of the project, the Contractor shall clean up and remove all trash and debris, including all organic trash and debris.

The City will permit storage of materials and equipment at the following location:

- East Twin Park

## PART 1 – SPECIAL CONSTRUCTION

Additional areas for equipment and materials storage are to be coordinated with the City.

All storage of equipment and materials, is subject to the Contractor making the area sufficiently secure, and the storage is at the Contractor's risk. At the end of the project, and as directed by the City, the Contractor shall clean up and remove all trash and debris. Site restoration is required.

### **11. PRESERVATION OF PAVED SURFACES, ENVIRONMENTAL FACTORS, RESTORATION OF WORK SITES, AND DISPOSAL OF SPOIL AND WASTE MATERIALS**

Access to the work site is by paved public roads. The Contractor shall utilize said roads in such a manner as to not damage the existing roads or the adjacent property. Any damage to said roads shall be repaired by the Contractor to the satisfaction of the agency having jurisdiction over the roadway.

The Contractor shall not perform work outside the work site limits as shown by the construction drawings. All areas adjacent to or in the vicinity of the work site shall be restored to pre-job conditions. The Contractor is obligated to keep visual impacts for the work site to a minimum; therefore, the Contractor is required to restore all areas altered by construction to near pre-construction conditions. Such areas shall include, but not be limited to, areas used for travel, parking and storage of vehicles, equipment, and materials.

The Contractor shall be responsible for the proper disposal of all waste materials resulting from his operations, including rubbish and packing material, in a manner and location suitable to the City. The Contractor shall clean the work site and remove all trash and rubbish from premises a minimum of one time per week. Material and equipment, including mounds of earth and other debris, shall be stored on the job site only as needed and removed from the site daily, or as soon as they are no longer necessary, as determined by the Engineer. All cleanup costs shall be included in the Contractor's bid.

The Contractor shall take all necessary precautions to control dust created by construction operations. The Contractor shall be especially diligent in implementing dust control program and shall be prepared to respond immediately and positively to any instructions for corrective action given by the City. The Contractor shall use dust palliatives if necessary to satisfactorily control dust; however, the Contractor shall secure the City and property owner approval for use of dust palliatives other than water.

### **12. PAYMENT OF STORED MATERIALS**

The Contractor may request payment for stored materials, subject to verification of receipt of materials. Payments may be allowed up to 90% of the value of the processed or fabricated materials which have been delivered to the work or reserved for the project and stored elsewhere in the local area and available for inspection by the Engineer. Materials must be marked for the use by the project and stored at a secure location.

## PART 1 – SPECIAL CONSTRUCTION

### 13. BID ITEM DESCRIPTIONS AND MEASUREMENT FOR PAYMENT

- A. Contract unit or lump sum prices are full compensation for furnishing all materials, equipment, tools, transportation and labor necessary to construct and complete each item of work as specified. No separate payment will be made for work included in this project except as set forth in the bid item reference notes. All other items of work are incidental to construction.
- B. Bid Item 1.1: Mobilization (LS) – Lump sum price includes all materials, labor and equipment required for the movement of personnel, equipment, and supplies to the project site; the establishment of offices or other facilities necessary for the project; and bonding, permits, coordination of testing, construction fencing, construction staking, and other expenses incurred prior to construction. Incidental work items not explicitly included in bid items shall be included in the lump sum price. Measurement for payment based on the percentage complete.
- C. Bid Item 2.1: Demolition (LS) – Lump sum price includes removal of existing pavements, tree, soils, and associated work. Measurement for payment to be based upon the percentage complete.
- D. Bid Item 2.2: Grading (LS) – Lump sum price includes import, export, excavating, hauling, depositing, compacting, grading, strip and work necessary to conform to lines, grades and slopes as shown on the plans and taking into account all staging of the construction. Lump Sum price includes placement of the excavated material as compacted fill and coordination of soil testing by an independent laboratory during construction as specified. Measurement for payment will be based on percentage of complete as measured in the field.
- E. Bid Item 3.1: 4" HDPE Storm Sewer Pipe (LF) – Unit price includes all materials, equipment, tools, transportation, and labor required to install complete and operational storm sewer pipe as indicated on the plans. Measurement for payment to be based upon percentage complete.
- F. Bid Item 3.2: 6" C900 Storm Sewer Pipe Directional Bore (LF) – Unit price includes directional bore and associated pits, excavation, furnishing and placing bedding, furnishing new pipe, backfill materials, compaction, testing, inspection, and associated work. Measurement for payment to be based upon percentage complete.
- G. Bid Item 3.3: 6" HDPE Storm Sewer Pipe (LF) – Unit price includes all materials, equipment, tools, transportation, and labor required to install complete and operational storm sewer pipe as indicated on the plans. Measurement for payment to be based upon percentage complete.
- H. Bid Item 3.4: Subdrain, 6" (LF) – Unit price includes trench excavation, furnishing and placing bedding and backfill material, engineering fabric (when specified), connectors, elbows, tees, perforated and non-perforate pipe and associated work. Measurement for payment to be based upon percentage complete.
- I. Bid Item 3.5: Inline Storm Sewer Structure (EA) – Unit price includes all materials, equipment, tools, transportation, and labor required to install complete and operational storm sewer structures and associated work as indicated on the plans. Measurement for payment to be based upon percentage complete.

## PART 1 – SPECIAL CONSTRUCTION

- J. Bid Item 3.6: Storm Sewer Connection to Existing (LS) – Lump sum price includes all materials, equipment, tools, transportation, and labor required to connect the proposed storm sewer into the existing structure and associated work as indicated on the plans. Measurement for payment to be based upon percentage complete.
- K. Bid Item 4.1: Sanitary Sewer Pipe, 6" Open Trench (LF) – Unit price includes trench excavation, furnishing and placing bedding, furnishing new pipe, backfill materials, compaction, testing, inspection, and associated work. Measurement for payment to be based upon percentage complete.
- L. Bid Item 4.2: Sanitary Sewer Connection to Existing (LS) – Lump sum price includes all materials, equipment, tools, transportation, and labor required to connect the proposed storm sewer into the existing structure and associated work as indicated on the plans. Measurement for payment to be based upon percentage complete.
- M. Bid Item 4.3: Rain Diverter Labor (EA) – Unit price includes labor to install the provided rain diverter structure to storm sewer, sanitary sewer and associated work. Measurement for payment to be based on percentage complete.
- N. Bid Item 5.1: 4" Water Service Directional Bore (LF) – Unit price includes directional bore and associated pits, excavation, furnishing and placing bedding, furnishing new pipe, backfill materials, compaction, testing, inspection, and associated work for a fully functioning water services as shown on the plans. Measurement for payment to be based upon percentage complete.
- O. Bid Item 5.2: Water Service Connection to Existing (LS) – Lump sum price includes all materials, equipment, tools, transportation, and labor required to connect the proposed water service into the existing water main and associated work as indicated on the plans. Measurement for payment to be based upon percentage complete.
- P. Bid Item 5.3: Curb Stop (LS) – Lump Sum price includes all materials, labor and equipment necessary to install a fully functioning curb stop as shown on the plans. Measurement for payment based upon percentage complete.
- Q. Bid Item 5.4: Winterization Curb Stop (LS) – Lump Sum price includes all materials, labor and equipment necessary to install a fully functioning curb stop as shown on the plans. Measurement for payment based upon percentage complete.
- R. Bid Item 5.5: Backflow Preventer (LS) – Lump Sum price includes all materials, labor and equipment necessary to install a fully functioning backflow preventer inside the above ground splash pad mechanical enclosure. Measurement for payment based upon percentage complete.
- S. Bid Item 6.1: Electrical Service (LS) – Lump Sum price includes furnishing and installing all materials, equipment and labor necessary to construct electrical service from the electrical panel to the approximate location shown on plan. Measurement for payment based on the percentage complete of installed and accepted electrical components.
- T. Bid Item 7.1: Pavement, PCC 5" (SF) – Unit price includes final trimming of subgrade, bars, concrete, joints, sealing, surface curing and pavement protection, safety fencing, testing and associated work. Measurement for payment to be based upon percentage complete.

## PART 1 – SPECIAL CONSTRUCTION

- U. Bid Item 7.2: Pavement, PCC 5" Colored (SF) – Unit price includes final trimming of subgrade, integral curb, bars and reinforcement, integral colored concrete, finishing, joints, sealing, surface curing and pavement protection, safety fencing, testing and associated work. Measurement for payment to be based upon percentage complete.
- V. Bid Item 7.3: Pavement, PCC, 6" (SF) – Price includes final trimming of subgrade, integral curb, bars and reinforcement, concrete, joints, sealing, surface curing, paint lines, pavement protection, safety fencing, testing, and associated work. Measurement for payment to be based upon percentage complete.
- W. Bid Item 7.4: PCC Curb (LF) – Unit price includes subgrade preparation, trimming, forming, furnishing, and placing concrete of the specified type, vibrating, finishing, curing, protecting, saw cutting, joints, testing and associated work. Measurement for payment based upon percentage complete.
- X. Bid Item 7.5: Concrete Edging (LF) – Unit price includes subgrade preparation, trimming, forming, adjusting fixtures, furnishing, and placing concrete of the specified type, vibrating, finishing, curing, protecting, saw cutting, joints, testing and associated work. Measurement for payment based upon percentage complete.
- Y. Bid Item 8.1: Installation of Splash Pad Components (LS) – Lump sum price includes work and cost for assembly and installation of the proposed splash pad components as supplied by the owner for a complete and operational splash pad as shown on the plans and as required by the manufacturer and associated work. Provide and install additional material needed for a complete and operational splash pad Also includes installing a water meter provided by the owner. Measurement for payment to be based upon percentage complete.
- Z. Bid Item 9.2: Erosion Control (LS) – Lump sum price includes all materials, labor and equipment required to protect the project site from erosion via filter sock silt and comply with the pollution prevention plan shown in the plans and associated work. Measurement for payment to be based upon percentage complete.
- AA. Add Alternate #1: Parking Area (LS) – Lump sum price includes demolition, grading, final trimming of subgrade, curb, bars and reinforcement, concrete, joints, sealing, surface curing, paint lines, pavement protection, safety fencing, testing, and associated work. Measurement for payment to be based upon percentage complete.
- BB. Add Alternate #2 Sidewalk South of Shelter: (LS) – Lump sum price includes final trimming of subgrade, bars, concrete, joints, sealing, surface curing and pavement protection, safety fencing, testing and associated work. Measurement for payment to be based upon percentage complete.
- CC. Add Alternate #3: Open Shelter Structure (EA) – Unit price includes furnishing and installing all materials, footings, equipment, and labor necessary to construct the large open shelter structure as shown on plan in accordance with manufacture's recommendations and as specified. Measurement for payment based on the percentage complete.

## PART 1 – SPECIAL CONSTRUCTION

### 14. INCIDENTAL CONTRACT ITEMS

The following list includes major items that are incidental to the project and will not be paid for as separate bid items. Other items may be designated as incidental under certain bid items.

- Dewatering and handling storm water flow during construction
- Excavation, verification and protection of existing utilities, potholing if necessary
- Material & Field testing, not specified elsewhere
- Pipe bedding material
- Temporary sheets and shoring
- Construction fencing
- Coordination and cooperation with utility companies
- Coordination and cooperation with affected property owners
- Coordination and cooperation with the City of Webster City
- Protection of existing utilities and light poles
- Protection of existing mailboxes
- Adjustment to grade of water valves and curb stops
- Handbill notification of street closures & utility disruption to affected residents
- Monitoring weather conditions
- Finish grading
- Watering of seeded and sodded areas
- Dust control measures
- Construction staging & phasing
- Working backfill to reduce moisture content
- Control of stormwater
- Curb and pavement backfill
- Repair of invisible fences if damaged during construction.
- Repair of private irrigation systems, if damaged during construction.

### 15. CONSTRUCTION SURVEY

Construction staking will be provided by the Contractor.

### 16. SEEDING

Refer to pages SP-7 to SP-8 for the City Ordinance regarding seeding.

**ORDINANCE NO. 2022 – 1854**

**AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF WEBSTER CITY, IOWA, 2019 BY AMENDING CHAPTER 10 ARTICLE IV, PERTAINING TO THE IOWA STATEWIDE URBAN DESIGN STANDARDS FOR PUBLIC IMPROVEMENTS AND THE IOWA STATEWIDE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS MANUALS.**

BE IT ENACTED by the City Council of the City of Webster City, Iowa, as follows,  
to-wit:

**SECTION 1. SECTION MODIFIED.** The Code of Ordinances of the City of Webster City, Iowa, 2019, is amended by repealing and replacing Chapter 10, Article IV. Public Improvement Standards, as follows:

**SEC. 10-202 PURPOSE.** The purpose of this article is to protect public health, property, welfare and safety by establishing reasonable minimum requirements for the construction and design of public improvements within Webster City. These design standards and construction specifications, along with the supplemental specifications, will be used to design and construct public improvements within Webster City.

**SEC. 10-203 ADOPTION OF PUBLIC IMPROVEMENTS STANDARDS.** Except as hereinafter added to, deleted, modified or amended, the following manuals are hereby adopted as, and constitute, Statewide Urban Design and Specifications (SUDAS) manuals for public improvements of the City of Webster City, Iowa.

1. **SUDAS Design Manual.** The Iowa Statewide Urban Design Standards for Public Improvements manual, 2022 edition, as published by the Iowa SUDAS corporation, is hereby adopted by reference in full except for the following portions that are deleted, modified or amended:
  - a. Chapter 7 Erosion and Sediment Control, Table 7E-23.01: Classification of Vegetation, delete from list: Kudzu; Lespedeza; Crabgrass; Red Top; Centipedegrass; Common Lespedeza.
  - b. Chapter 8 Parking Lots, – Delete
2. **SUDAS Specifications Manual.** The Iowa Statewide Urban Standard Specifications for Public Improvements manual, 2022 edition, as published by the Iowa SUDAS corporation, is hereby adopted by reference in full except for the following portions that are deleted, modified or amended:
  - a. Division 9 Site Work and Landscaping, Table 9010.01 Domestic Grasses, delete from the list: Brome, smooth-LINCOLN; Fescue, creeping, red; Wildrye, Russian.

- b. Division 9 Site Work and Landscaping, Table 9010.02 Legumes, shall not be used near native plantings.
- c. Division 9 Site Work and Landscaping, Table 9010.02 Legumes, delete from the list: Lespedeza.

**SECTION 2. REPEALER.** All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

**SECTION 3. SEVERABILITY CLAUSE.** If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision, or part thereof not adjudged invalid or unconstitutional.

**SECTION 4. WHEN EFFECTIVE.** This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

Passed and adopted this 7th day of March, 2022.

**CITY OF WEBSTER CITY, IOWA**

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John Hawkins, Mayor

ATTEST:

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Karyl K. Bonjour, City Clerk

## **SECTION 32 13 16 COLORED CONCRETE**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. Section Includes:
  - 1. Color Concrete.
  - 2. Curing Compound.
  - 3. Sealant.
- B. Related Sections:
  - 1. Section 32 13 13 Concrete Paving: for general applications of concrete and coordination of sample submittal and color selection.

#### **1.2 REFERENCES**

- A. American Concrete Institute (ACI):
  - 1. ACI 301 "Specification for Structural Concrete for Buildings."
  - 2. ACI 302 IR "Recommended Practice for Concrete Floor and Slab Construction."
  - 3. ACI 303.1 "Standard Specification for Cast-In-Place Architectural Concrete."
  - 4. ACI 304 "Recommended Practice for Measuring, Mixing, Transporting and Placing of Concrete."
  - 5. ACI 305R "Recommended Practice for Hot Weather Concreting."
  - 6. ACI 306R "Recommended Practice for Cold Weather Concreting."
- B. American Society for Testing and Materials (ASTM):
  - 1. ASTM C309 "Liquid Membrane-Forming Compounds for Curing Concrete."
  - 2. ASTM C494 "Standard Specification for Chemical Admixtures for Concrete."
  - 3. ASTM C979 "Standard Specification for Pigments for Integrally Colored Concrete."
- C. American Association of State Highway and Transportation Officials (AASHTO):
  - 1. AASHTO M194 "Chemical Admixtures."

#### **1.3 SUBMITTALS**

- A. Product Data: Submit manufacturer's complete technical data sheets for the following:
  - 1. Color Concrete.
  - 2. Curing Compound.
  - 3. Sealant.
- B. Design Mixes: For each type of concrete.
- C. Samples for Initial Selection: Manufacturer's color charts showing full range of colors available.
- D. Mockup example for each type of colored concrete specified by contractor to provide to Owner and Engineer for approval prior to installation.

#### **1.4 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Manufacturer with 10 years experience in production of specified products.

- B. Installer Qualifications: An installer with 5 years experience with work of similar scope and quality.
- C. Comply with the requirements of ACI 302.
- D. Obtain each specified material from same source and maintain high degree of consistency in workmanship throughout Project.
- E. Notification of manufacturer's authorized representative shall be given at least 1-week before start of Work.
- F. Colored Concrete Mock-ups:
  - 1. A location for the mock-up pads shall be selected by the contractor and approved by the Engineer. The mock-up shall be located in an area that will allow it to remain in-place during the duration of pavement installation. The mock-up shall be separate from the proposed paving and can't be a part of the finished work, unless approved by the Engineer.
  - 2. Construct mockup for each type of color concrete application using processes and techniques intended for use on permanent work, including curing and sealing procedures. Include samples of control, construction, and expansion joints in sample panels. Mock-up shall be produced by the individual workers who will perform the work for the Project.
  - 3. Include Medium Broom Finish. Test each mockup for wet and dry slip resistance to ensure they are safe.
  - 4. Accepted mock-up provides visual standard for work of Section.
  - 5. Mock-up shall remain through completion of the work for use as a quality standard for finished work.
  - 6. Remove mock-up when directed.

#### 1.5 DELIVERY, STORAGE AND HANDLING

- A. Comply with manufacturer's instructions. Deliver products in original, unopened packaging. Store in dry conditions and protect from damage, weather and construction activity.

#### 1.6 PROJECT CONDITIONS

- A. Schedule placement to minimize exposure to wind and hot sun before curing materials are applied.
- B. Avoid placing concrete if rain, snow, or frost is forecast within 24-hours. Protect fresh concrete from moisture and freezing.
- C. Comply with professional practices described in ACI 305R and ACI 306R.
- D. Schedule delivery of concrete to provide consistent mix times from batching until discharge. Mix times shall meet manufacturer's written recommendations.

#### 1.7 PRE-JOB CONFERENCE

- A. One week prior to placement of integrally colored concrete, a meeting shall be held to discuss the Project and application methods.
- B. It is suggested that the Engineer, General Contractor, Subcontractor, Ready-Mix Concrete Representative, and a Manufacturer's Representative be present.

## PART 2 - PRODUCTS

### 2.1 ACCEPTABLE MANUFACTURERS

- A. Proline Decorative Concrete Systems, Oceanside, CA 92056, Ph: (800) 795-4750, [www.prolinestamps.com](http://www.prolinestamps.com).
- B. OR APPROVED EQUAL.

### 2.2 MATERIALS

- A. Accent Color Translucent Stain: Color Concrete: Factory proportioned, mixed, and packaged, ready-to-use integral stain, by Proline Decorative Concrete Systems, or approved equal.
- B. SUBSTITUTIONS: The use of products other than those specified will be considered providing that Contractor requests its use in writing within 10-days prior to bid date. This request shall be accompanied by the following:
  - 1. A certificate of compliance from material manufacturer stating that proposed products meet or exceed requirements of this Section.
  - 2. Documented proof that proposed materials have a 10-year proven record of performance confirmed by at least 5 local projects that Engineer can examine.

### 2.3 COLORS AND PATTERNS

- A. Colors:
  - 1. Color 1 to be "AC-715 Turquoise" or as approved by Engineer from Proline Decorative Concrete Systems.
  - 2. Color 2 to be "AC-714 Cimarron" or as approved by Engineer from Proline Decorative Concrete Systems.
  - 3. Curing Compound: Shall be tinted to match the final intended color of the cured concrete

### 2.4 CONCRETE MIX DESIGN

- A. See Section 32 13 13 for Concrete Mix Design and additional specifications. Conduct testing to demonstrate concrete from the mix design meets all slump, air content, flow, compressive strength, and all required concrete specifications.
- B. Color selection will determine the ratio of base colors needed, and color saturation, and intensity will determine the amount of liquid or granules required. Mix in accordance with Manufacturers requirements, recommendations and specifications for colors specified.
- C. Slump of concrete shall be consistent throughout Project at 4-inches or less. At no time shall slump exceed 5-inches.
- D. No high salt aggregates that can cause efflorescence and make color irregular.
- E. Do not add calcium chloride to mix as it causes mottling and surface discoloration.

- F. Supplemental admixtures shall not be used unless approved by manufacturer.
- G. Do not add water to the mix design once established or in the field. Do not add water to loosen partially cured loads.
- H. Maximum air content shall not exceed 5 percent.

## PART 3 - EXECUTION

### 3.1 CONCRETE PLACEMENT

- A. Move concrete into place with square-tipped shovels or concrete rakes.
- B. Vibrators, when used, shall be inserted and withdrawn vertically.
- C. Concrete shall be struck to specified level with wood or magnesium straight edge or mechanical vibrating screed.
- D. The concrete surface shall be further leveled and consolidated with highway magnesium straight edge and/or magnesium bull float.
- E. Mechanically float concrete surfaces as soon as concrete surface has taken its initial set and will support weight of a power float machine equipped with float shoes or combination blades and operator.

### 3.2 INSTALLATION

- A. Do not add water to the surface. Do not use "watering" sprinklers as colored concrete cures, or use wet brooms and tools while finishing.

### 3.3 CURING AND SEALING

- A. Allow concrete to dry for a minimum of 24 hours. Concrete must be thoroughly dry prior to applying curing and sealing compounds.
- B. Apply curing compound in accordance with manufacturer requirements, recommendations and specifications. Ensure product penetrates into concrete pores, joints, and cracks. Provide even coating without lap marks.
- C. After surface has had proper time to dry, apply sealing compound in two thin even coats in accordance with manufacturer requirements, recommendations and specifications.
- D. Before application the Moisture Vapor Emission Rate (MVER) of the concrete or cementitious topping must be measured and be less than 5 pounds per 1000 square feet per 24 hours (2.27 kg/92.9 m<sup>2</sup> per 24 hours)
- E. Apply when ambient and substrate temperatures are between 50–85 °F, (10–29.4 °C). Do not apply at or below 50 °F (10 °C) or when such temperatures are expected within 72 hours following application.
- F. Avoid excessive build-up, particularly in the depressed textures and grout joints of stamped or stenciled concrete, hand tooled or saw cut joints. Before the film becomes tacky, wipe up or brush out excessive material.

- G. Avoid foot-traffic for a minimum of 24 hours after final application.

#### 3.4 PROTECTION OF FINISHED WORK

- A. Protect finish work under provisions of Division 1 Section.
- B. Prohibit foot or vehicular traffic on the new concrete surface. Barricade area if necessary.
- C. Protect floor surface from damage until final inspection and acceptance by Owner.

#### 3.5 TOLERANCES

- A. Minor variations in appearance of colored concrete, which are similar to natural variations in color and appearance of uncolored concrete, are acceptable.

END OF SECTION

## **WATERPLAY SPLASH PAD EQUIPMENT PRODUCT DATA**

### **PART 1 - GENERAL**

- 1.1 This part of the specifications includes product information for the splash pad equipment items as shown on the drawings.
- 1.2 The Contractor is responsible for installing the following equipment, including all materials, transportation, equipment and labor.
- 1.3 Install all equipment and products according to the manufacturer's specifications, requirements and recommendations.
- 1.4 Any requests for an approved-equal product must be submitted to the Engineer 10 days prior to the project bid date, and include product data, color charts, technical information, warranty information etc. for the Owner's review and approval prior to bidding.

### **PART 2 - MATERIALS**

#### **2.1 WATERPLAY SPLASH PAD EQUIPMENT BY CROUCH RECREATION**

See the following product data cut sheets for the equipment to be installed. See plans for configurations and additional information.

Manufacturer:

Waterplay  
Crouch Recreation  
Nathan Gruver  
515-422-6713  
[nathan@crouchrec.com](mailto:nathan@crouchrec.com)  
[www.crouchrec.com](http://www.crouchrec.com)

ITEM	SKU	COMPONENT NAME	QTY
1	DRA-00007	DRAIN SQUARE 6IN OUTLET	3
2	0010-1854	ACTIVATOR: POWER POST	1
3	0010-7484	GS STEADY STREAM	2
4	0010-7493	GS MOP TOP	3
5	0010-7483	GS STARLET SPRAY	2
6	0010-1421	FS AQUA-DROP	1
7	0010-7480	GS MONSTER 5	2
8	0010-4590	FS WATERFALL 1	1
9	0010-7474	GS BUTTERCUP	2
10	0010-0403	FS SPLASH BLASTER	2
11	0010-8942	GS PLAYPHASE GROUND SPRAY (CHARLOTTE'S WEB)	3
12	0010-8942	GS PLAYPHASE GROUND SPRAY (TULIP)	1
13	0010-8942	GS PLAYPHASE GROUND SPRAY (GEYSER)	3
14	0010-8942	GS PLAYPHASE GROUND SPRAY (TOWER)	2
15	0010-3918	FS KITE	1
16	0010-7472	FS SURF STONE 2	1
17	0010-0369	FS WATER-O	2
18	0010-3632	POLY PALM 5	1

LOCAL REGULATIONS MAY REQUIRE THE USE OF IMPACT ATTENUATING SURFACES FOR SOME INSTALLATIONS - CHECK LOCAL CODES PRIOR TO FINAL DESIGN AND INSTALLATION.

11 x 17 plot

FOR INFORMATION PURPOSES ONLY. LOCAL LANDSCAPE ARCHITECT, ENGINEER &/OR APPROPRIATE AUTHORITIES HAVING JURISDICTION MUST COMPLETE ALL PARK LAYOUT, MECHANICAL & ELECTRICAL DESIGN PRIOR TO CONSTRUCTION.

DESIGNED BY: WATERPLAY SOLUTIONS CORP			
DWG NAME: WATERPLAY CONCEPTUAL LAYOUT PHASE 1			SHEET 1/4
SCALE: 3/32" = 1'-0"	DRAWN BY: MC	DATE: NOV 16/23	REV #: 0

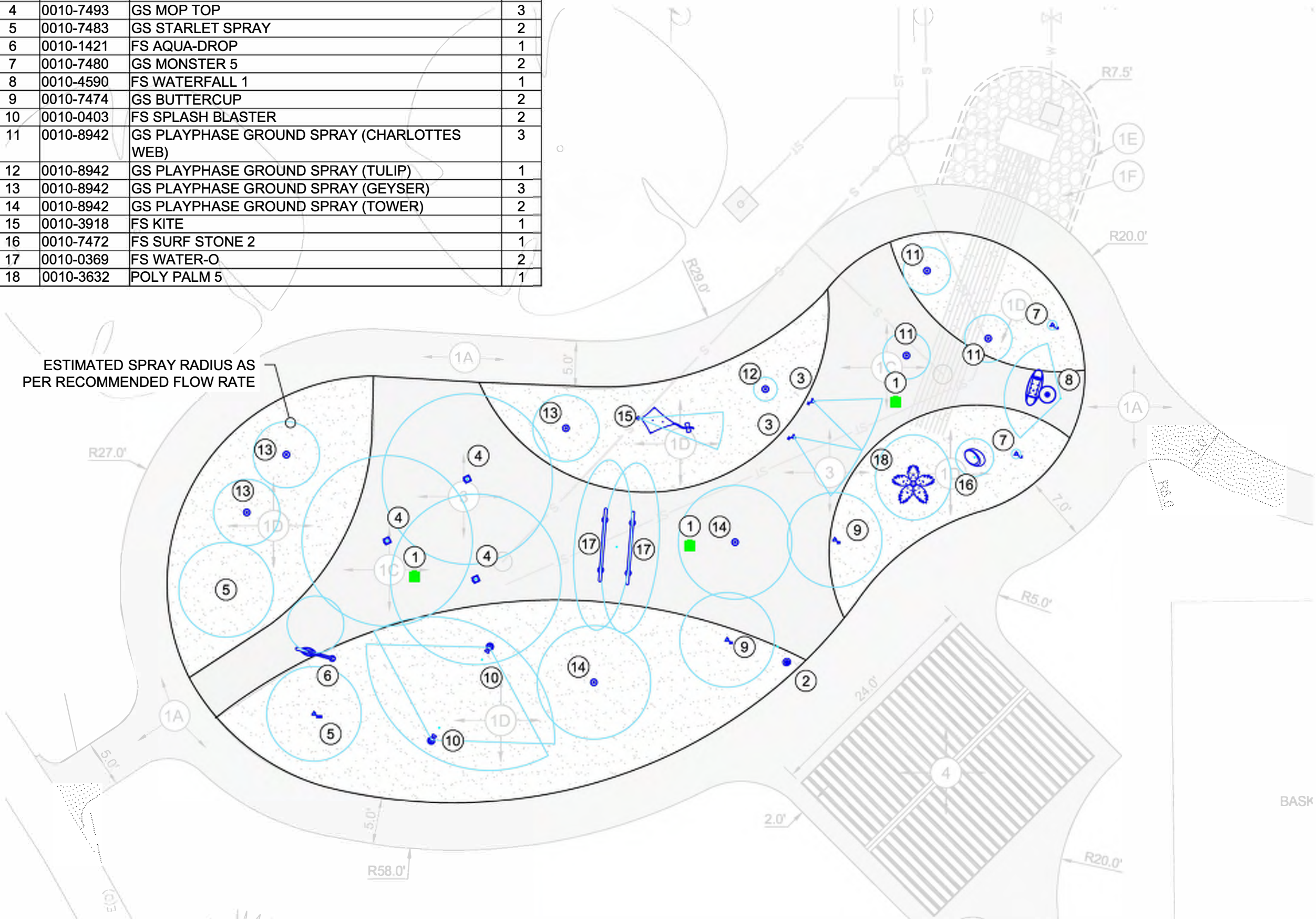
NOT FOR CONSTRUCTION PURPOSES

EAST TWIN PARK SPLASH PAD  
WEBSTER, IA

REV	DATE	REVD BY	DESCRIPTION

**WATERPLAY**  
BY MAKER

805 CROWLEY AVE, KELOWNA BC, CANADA V1Y 7G6  
TEL. (250) 712-3393 FAX (250) 861-4814  
EMAIL [info@waterplay.com](mailto:info@waterplay.com)



**NOTES:**

1. MAIN AQUATIC PLAY PAD AREA: 3505 SQ. FT.  
TOTAL AREA, INCLUDING OVERSPRAY ZONE: BY OTHERS
2. TO AVOID POTENTIAL DAMAGE TO SURROUNDING SOFTSCAPE AND TO KEEP PEDESTRIAN TRAFFIC FROM GETTING WET, WATERPLAY RECOMMENDS A MINIMUM OVERSPRAY OF 2.44 METRES (8'). FOR AREAS WITH HIGH WINDS, A LARGER OVERSPRAY ZONE MAY BE REQUIRED.
3. GRADE SURROUNDING OUTSIDE PERIMETER LANDSCAPE TO PROVIDE ADDITIONAL DRAINAGE AWAY FROM OVERSPRAY PAD.
4. SLOPES (INCLUDING MAIN AND OVERSPRAY AREAS) TO PROVIDE POSITIVE DRAINAGE TO DRAINS. IF CODE REQUIRES THAT THERE BE A ZONE SLOPING AWAY FROM THE MAIN AREA, WATERPLAY RECOMMENDS AN ADDITIONAL DRY ZONE TO MEET THAT REQUIREMENT.
5. SLAB GRADES SUBJECT TO ENGINEER APPROVAL (NOTE ADA MAX CROSS SLOPE GRADE IS 2%).

11 x 17 plot

FOR INFORMATION PURPOSES ONLY. LOCAL  
LANDSCAPE ARCHITECT, ENGINEER &/OR  
APPROPRIATE AUTHORITIES HAVING  
JURISDICTION MUST COMPLETE ALL PARK  
LAYOUT, MECHANICAL & ELECTRICAL  
DESIGN PRIOR TO CONSTRUCTION.

DESIGNED BY:

WATERPLAY SOLUTIONS CORP

DWG NAME:  
WATERPLAY PAD CONCEPT LAYOUT

SHEET  
2/4

SCALE: 3/32" = 1'-0"	DRAWN BY: MC	DATE: NOV 16/23	REV #: 0
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NOT FOR CONSTRUCTION  
PURPOSES

EAST TWIN PARK SPLASH PAD  
WEBSTER, IA

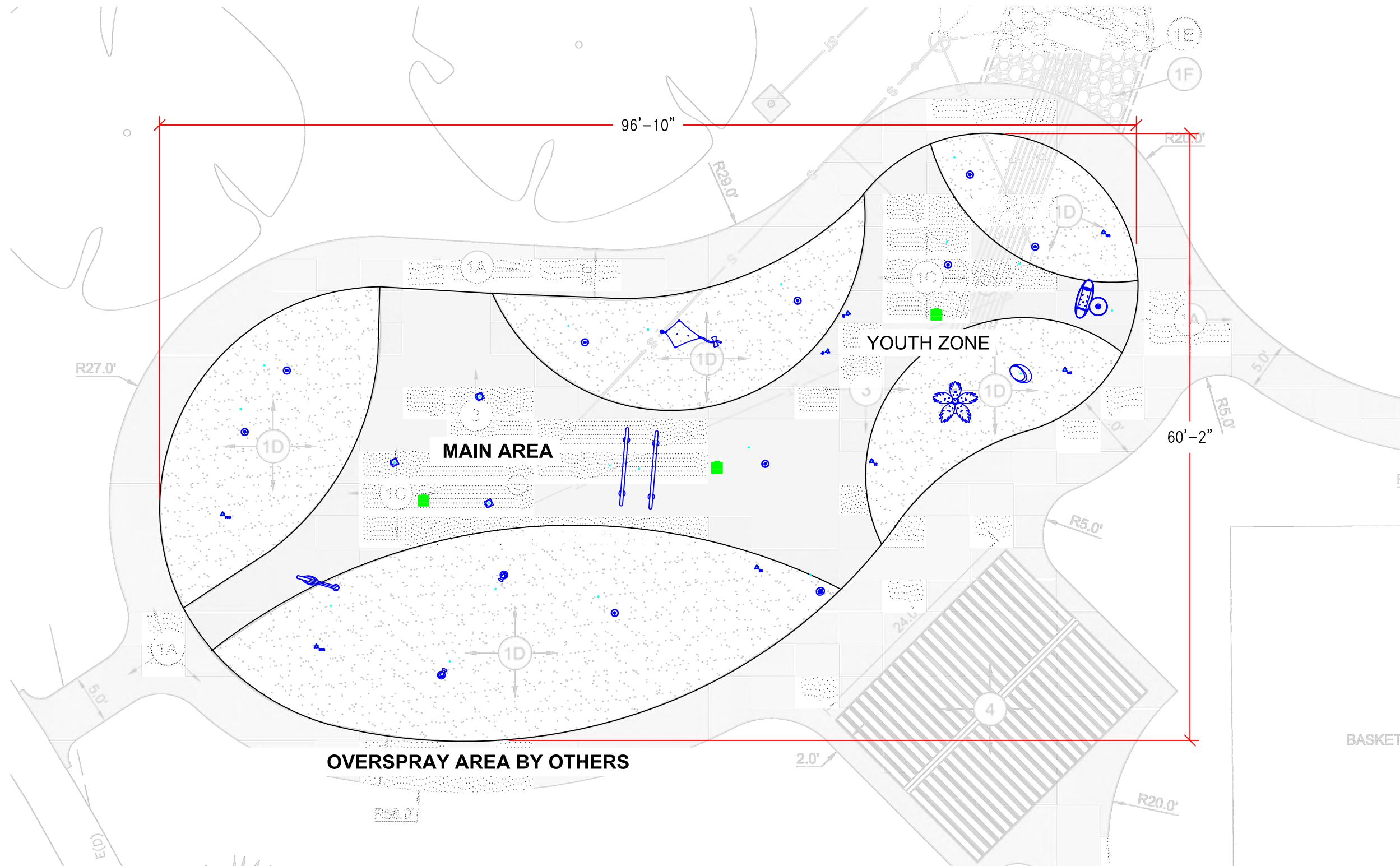
REV	DESCRIPTION	REV'D BY	REV DATE
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805 CROWLEY AVE, KELOWNA BC, CANADA V1Y 7G6

TEL. (250) 712-3393 FAX (250) 861-4814

EMAIL [info@waterplay.com](mailto:info@waterplay.com)



	Controller	0010-1954 (Potable)	East Twin Park Playground Project, Webster City, IA Preliminary Valve Assignment by Waterplay			
	Water Distribution	C06-AG018 (18V AG Kiosk)				
	Diverter Strainer System	0010-4666 Waterplay DSS				
	Secondary Sanitization	No	Date: 16-Nov-2023			
	Controller Upgrade	0010-2244 (16 output)	Created by: Michelle C			
	220V Upgrade	Not required	Number of Activators: 1			

Component Selection				Nozzle Information per Component									Recommended Flow Rate		Recommended Pressure at Feature Base*		Minimum Line Size**	
				Nozzle 1			Nozzle 2			Nozzle 3								
Leg #	Part Number	Component Name	QTY	PN	Nozzle 1	Qty Noz 1	PN	Nozzle 2	Qty Noz 2	PN	Nozzle 3	Qty Noz 3	[gpm]	[lpm]	[psi]	[kPA]	[in]	[mm]
1	0010-7484	GS: STEADY STREAM	2	0000-1417	2.5" - Steady Stream	1			0				2	8	4	24	1.0 in	25 mm
2	0010-0369	FS: WATER-O	2	NOZ-08002	3/4" Fan Spray-Hi	5			0				20	76	6	41	1.5 in	40 mm
3	0010-7493	GS: MOP TOP	3	N0Z-06001	6" Multiport	1			0				30	114	4	28	1.5 in	40 mm
4	0010-7483	GS: STARLET SPRAY	2	NOZ-08509	2.5" - Starlet Spray	1			0				10	38	4	28	1.5 in	40 mm
5	0010-1421	FS: AQUA-DROP	1	-	Open Flow	1			0				10	38	7	48	1.5 in	40 mm
6	0010-7480	GS: MONSTER 5	2	NOZ-08022	2.5" - Monster 5	1			0				20	76	2	14	1.5 in	40 mm
7	0010-4590	FS: WATERFALL 1	1	-	Open Flow	1			0				10	38	8	55	1.5 in	40 mm
8	0010-7474	GS: BUTTERCUP	2	NOZ-08510	2.5" - Buttercup	1			0				14	53	3	21	1.5 in	40 mm
9	0010-0403	FS: SPLASH BLASTER	2	NOZ-08020	2.5" - Wave	1	0010-5806	Bobble NZ 2.5IN	1				6	23	7	48	1.0 in	25 mm
10	0010-8942-8	GS: PP GROUND SPRAY (CHARLOTTES WEB)	3	NOZ-08507	2.5" - Charlotte Web	1			0				9	34	2	10	1.0 in	25 mm
11	0010-8942-7	GS: PP GROUND SPRAY (TULIP)	1	NOZ-08030	2.5" - Tulip Nozzle	1			0				6	23	1	3	1.0 in	25 mm
12	0010-8942-1	GS: PP GROUND SPRAY (GEYSER)	2	NOZ-08001	2.5" - 8 Hole	1			0				12	45	5	34	1.5 in	40 mm
13	0010-8942-1	GS: PP GROUND SPRAY (GEYSER)	1	NOZ-08001	2.5" - 8 Hole	1			0				6	23	5	34	1.0 in	25 mm
14	0010-8942-6	GS: PP GROUND SPRAY (TOWER)	1	NOZ-08508	2.5" - Tower Spray	1			0				9	34	6	41	1.0 in	25 mm
15	0010-8942-6	GS: PP GROUND SPRAY (TOWER)	1	NOZ-08508	2.5" - Tower Spray	1			0				9	34	6	41	1.0 in	25 mm
16	0010-3918	FS: KITE	1	NOZ-08092	3/4" - Magnif-eye	5			0				2	8	4	28	1.0 in	25 mm
17	0010-7472	FS: SURF STONE 2	1	-	Open Flow	23			0				5	19	5	34	1.0 in	25 mm
18	0010-3632	FS: POLY PALM 5	1	-	Open Flow	5			0				3	11	5	34	1.0 in	25 mm
										TOTAL COMPONENT FLOW RATE			183	693	*Doesn't account for losses between feature and manifold		**Based on a maximum pipe velocity of 6 fps (Sch40)	
										Maximum Flow:			183	693				
		Total PlayPHASE Bases:	20															
		Total PlayPHASE Base XL:	0															

Notes:



## EAST TWIN PARK PLAYGROUND PROJECT, WEBSTER CITY, IA\_PHASE 1

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EAST TWIN PARK PLAYGROUND PROJECT, WEBSTER CITY, IA\_PHASE 2

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# POWER POST

0010-1854



The perfect Activator  
for **every** space  
design.

Optimize water use and maximize play value  
with Waterplay's on demand button activators.

A perfect solutions for reducing water  
consumption while creating a dynamic play  
experience. **PUSH** to start the flow of water.



See Specification Sheet for product data.



**WATER EFFECT**

N/A



**INSTALLATION**

ZERO-DEPTH



**PLAYPHASE™**

DETACHABLE MOUNTING SYSTEM

## PLAY OPPORTUNITIES:

Get the water flowing with the Power Post. This  
classic park activator increases interactivity  
while helping optimize water use on the play pad.



COGNITIVE



PHYSICAL

Play is fundamental in childhood development, health  
and wellbeing. Waterplay products are designed using  
research that supports cognitive, social and emotional,  
creative and physical growth. The above icons represent  
the leading attributes associated with this play feature.

## PLAY ZONES:



DEVELOPMENT



DISCOVERY



EXPLORATION



ADVENTURE

**CATEGORY:** Activators

**PRODUCT LINE:** Freestanding Play & Water Mangement

WATERPLAY  
BY **MAKER**

1.800.590.5552 (USA & CAN) | +1 (250) 712.3393 (INTL)  
info@waterplay.com | www.waterplay.com

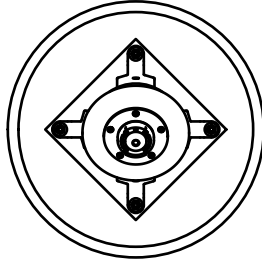
For full product specification details, please refer to the product  
specification document. Due to our continuing product improvement  
program, Waterplay reserves the right to change the product  
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used or reproduced without written permission.

# ACTIVATOR POWER POST

0010-1854

## LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)

BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
PANELS / PANNEAUX	ACRYLIC / ACRYLIQUE



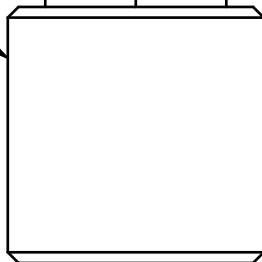
0'-10"  
[254 mm]



FLUSH TO GRADE  
/ À NIVEAU

PLAYPHASE BASE  
(SOLD SEPARATELY /  
VENDUE SÉPARÉMENT)

FOOTING / BASE  
DE BÉTON "C"



3'-6"  
[1070 mm]

2'-0"  
[610 mm]

Ø2'-0"  
[Ø610 mm]

FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

VOLTAGE / TENSION	12-36 VDC
CURRENT / COURANT	350MA
WIRE SIZE / TAILLE DE FIL	MIN. 2 WIRE 18 AWG + GROUND

RECOMMENDED SPRAY AREA / ZONE D'ASPERION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE) -SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	INITIAL:
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		
-/-	-/-	-/-	-/-	-/-		
NOZZLES / BUSES			MASS: 24.1 lbmass		DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	DRAWING ID: 0010-1854 SHEET: 1 OF: 1



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PROPERTY OF THE WATERPLAY AND CANNOT BE  
USED OR REPRODUCED WITHOUT WRITTEN  
PERMISSION.

TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT  
CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT  
ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE  
PERMISSION ÉCRITE DE LEUR PART.

REFER TO THE COMPONENT WRITTEN SPECIFICATION  
DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS.  
WATERPLAY RESERVES THE RIGHT TO CHANGE THIS  
SPECIFICATION WITHOUT NOTICE.

SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT  
POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A  
LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.

805 CROWLEY AVE.  
KELOWNA, BRITISH COLUMBIA  
CANADA, V1Y 7G6  
P: 250-712-3393  
F: 250-861-4814  
E: design@waterplay.com  
W: waterplay.com

# AQUA-DROP

0010-1421



See Specification Sheet for product data.



## WATER EFFECT

BIG SPLASH



## INSTALLATION

ZERO-DEPTH + WADING POOL



## PLAYPHASE™

DETACHABLE MOUNTING SYSTEM

## PLAY OPPORTUNITIES:

Watch as the Aqua-Drop's translucent bucket fills with water and then dumps a spectacular splash on waterplayers below. An exciting crowd favourite!



COGNITIVE



PHYSICAL

CREATIVE

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



EXPLORATION



ADVENTURE



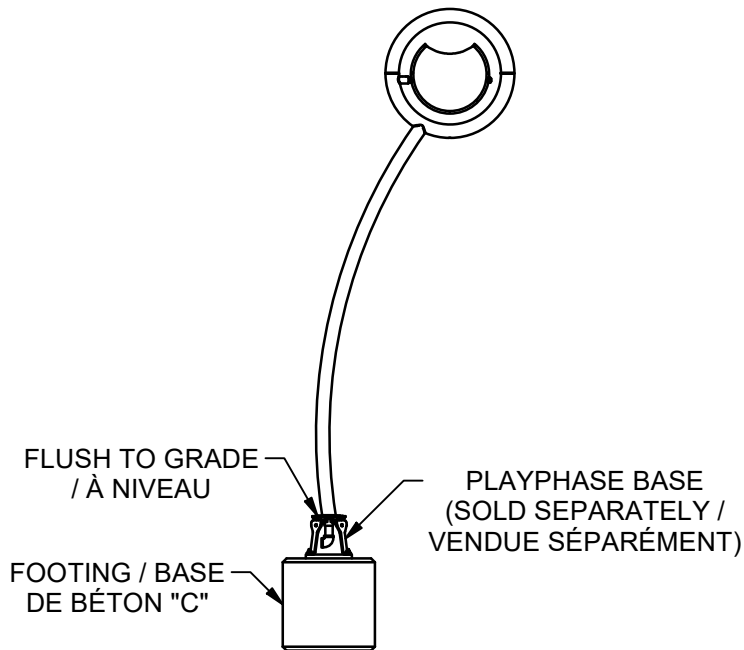
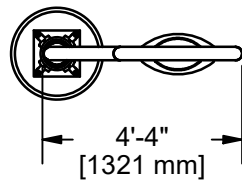
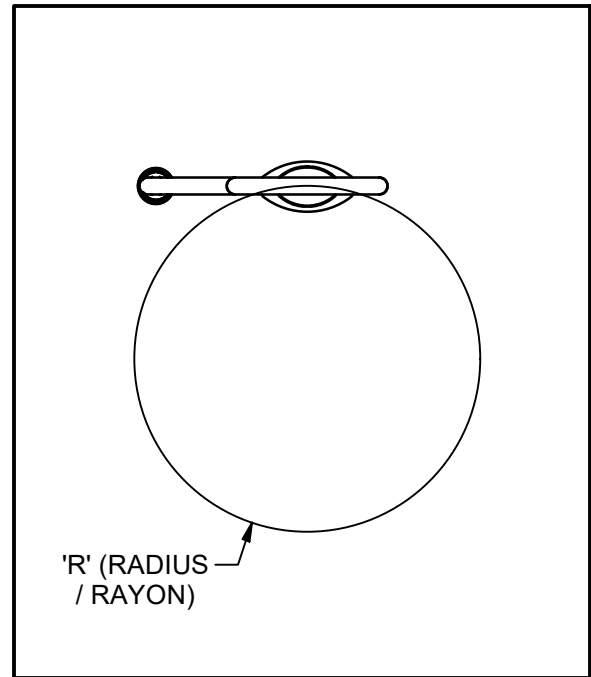
**CATEGORY:** Soakers & Spinners

**PRODUCT LINE:** Freestanding Play

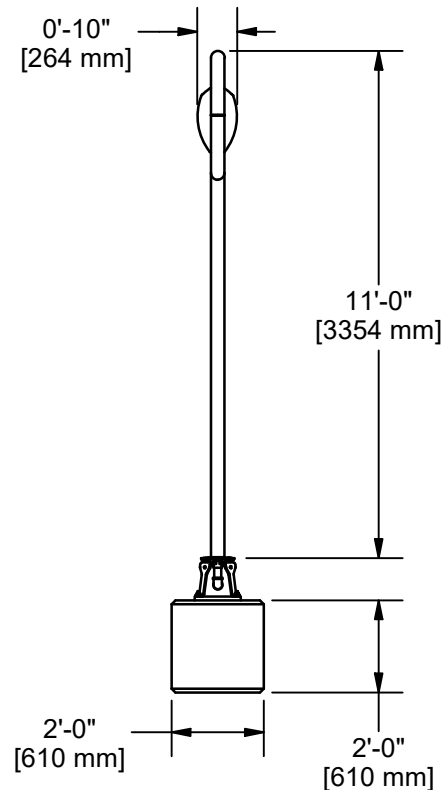
## LIST OF MATERIALS / LISTE DE MATÉRIAUX

BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
BUCKETS / SEAU	ACRYLIC / ACRYLIQUE, URETHANE / URÉTHANE

## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



FOOTING BY OTHER, REFER TO LOCAL CODE / BASE DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL



RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa			
3/914	-/-	-/-	10/38	7/48	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE		
NOZZLES / BUSES			MASS:	N/A	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	DRAWING ID: <b>0010-1421</b>	
						SHEET: 1	OF: 1



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TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.

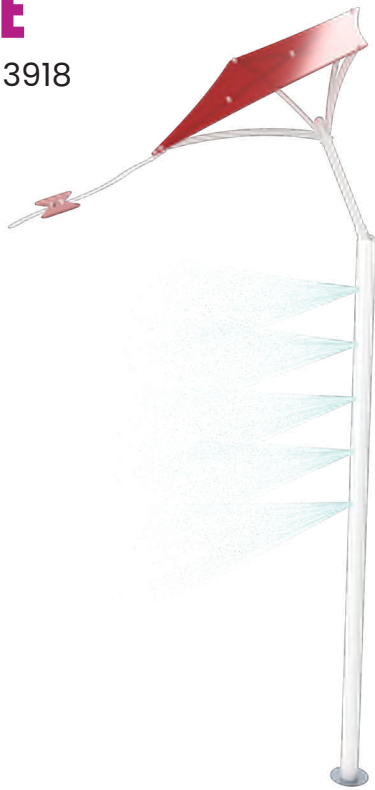
REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.

SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.

805 CROWLEY AVE.  
KELOWNA, BRITISH COLUMBIA  
CANADA, V1Y 7G6  
P: 250-712-3393  
F: 250-861-4814  
E: design@waterplay.com  
W: waterplay.com

# KITE

0010-3918



See Specification Sheet for product data.



## WATER EFFECT

FAN SPRAY



## INSTALLATION

ZERO-DEPTH + WADING POOL



## PLAYPHASE™

DETACHABLE MOUNTING SYSTEM

## PLAY OPPORTUNITIES:

The Kite soars high above the shoreline for an easy breezy play effect!



COGNITIVE



SOCIAL



PHYSICAL



CREATIVE

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



EXPLORATION



ADVENTURE

**CATEGORY:** Columns, Nature, Nautical

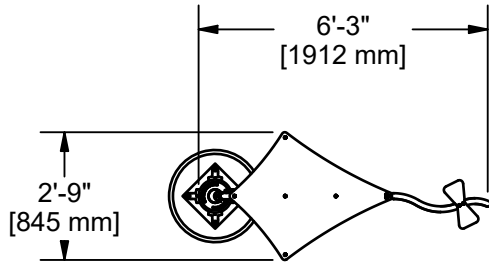
**PRODUCT LINE:** Freestanding Play

WATERPLAY  
BY **MAKER**

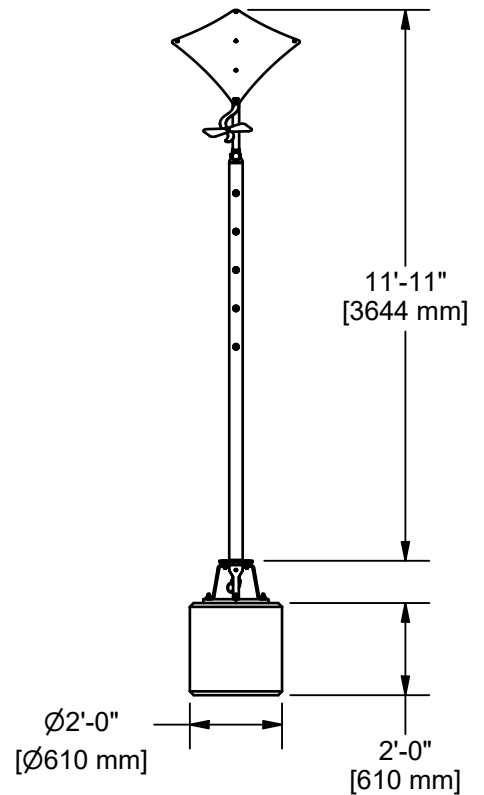
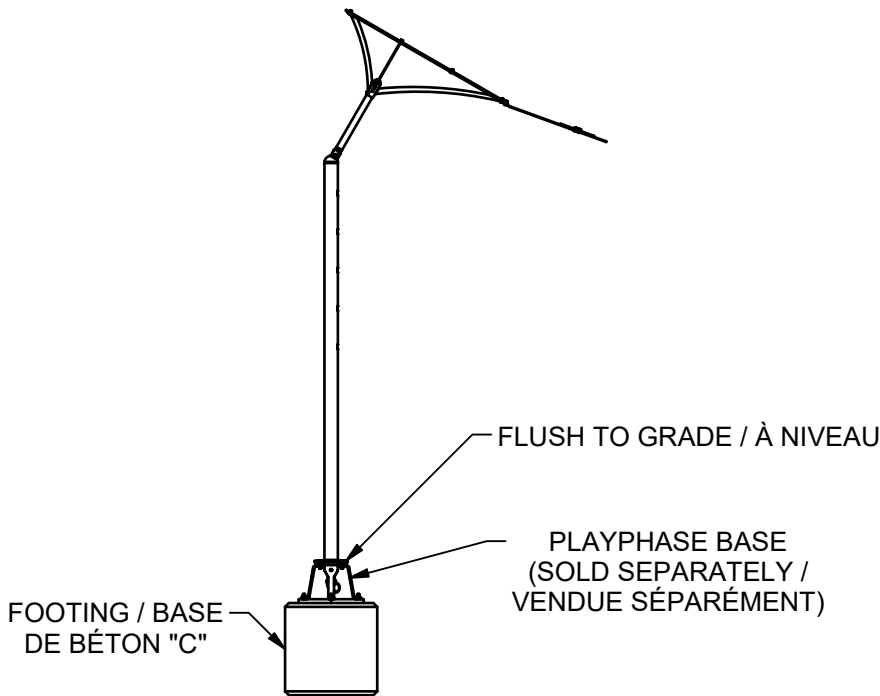
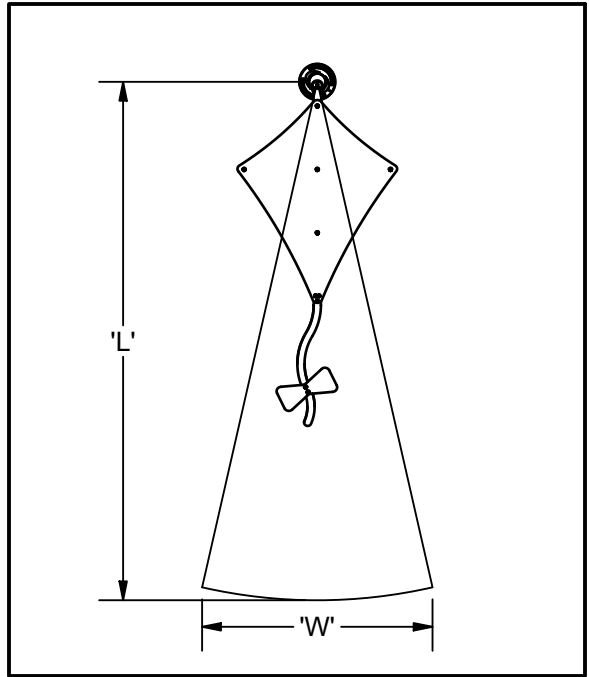
1.888.890.6257 (USA & CAN) | +1 (250) 712.3393 (INTL)  
info@waterplay.com | www.waterplay.com

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LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)	
BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL
PANELS / PANNEAUX	ACRYLIC / ACRYLIQUE



## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT

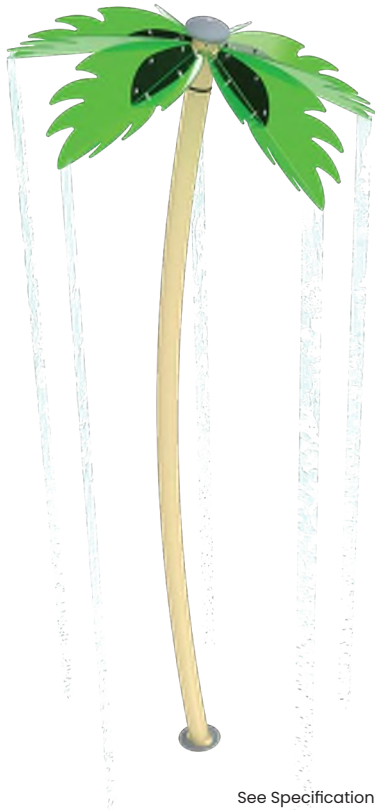


FOOTING BY OTHER, REFER TO LOCAL CODE / BASE DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

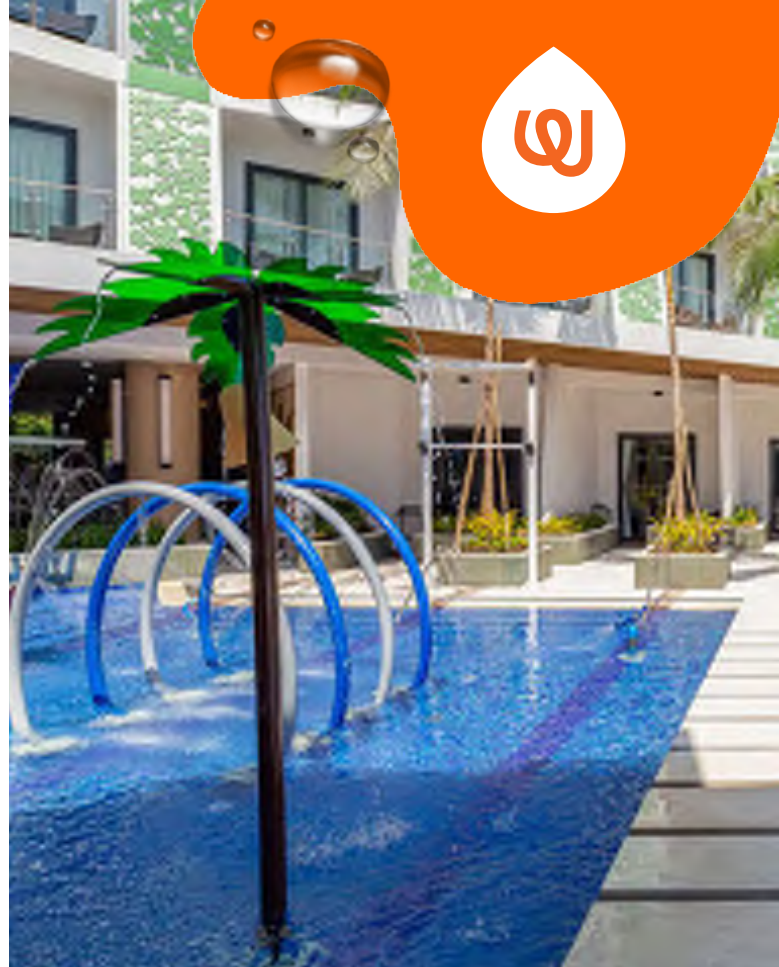
RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)  -SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	INITIAL:			
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		DRAWING ID:	SHEET: 1		
-/-	9/2743	4/1219	2/8	4/28		0010-3918	OF: 1		
NOZZLES / BUSES		5	MASS: 61.6 lbmass		DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]				
			ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.  TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ECRITE DE LEUR PART.			REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.		805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com	
						SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.			

# POLY PALM 5

0010-3632



See Specification Sheet for product data.



## WATER EFFECT

SHOWER



## INSTALLATION

ZERO-DEPTH + WADING POOL



## PLAYPHASE™

DETACHABLE MOUNTING SYSTEM

## PLAY OPPORTUNITIES:

With the Poly Palm 5 water gently streams down each palm leaf and rains down onto waterplayers below. Create an immersive tropical theme by grouping multiple Poly Palm features!



COGNITIVE



PHYSICAL



CREATIVE

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



DISCOVERY



EXPLORATION



ADVENTURE

**CATEGORY:** Columns, Nautical, Nature

**PRODUCT LINE:** Freestanding Play



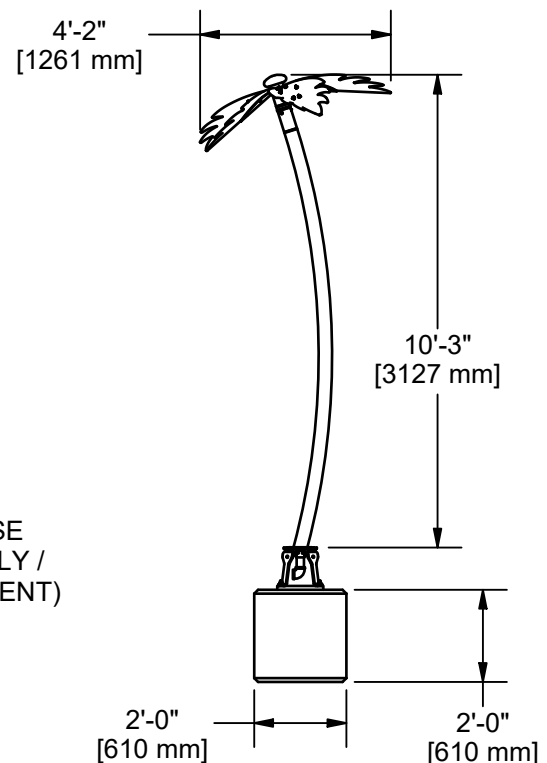
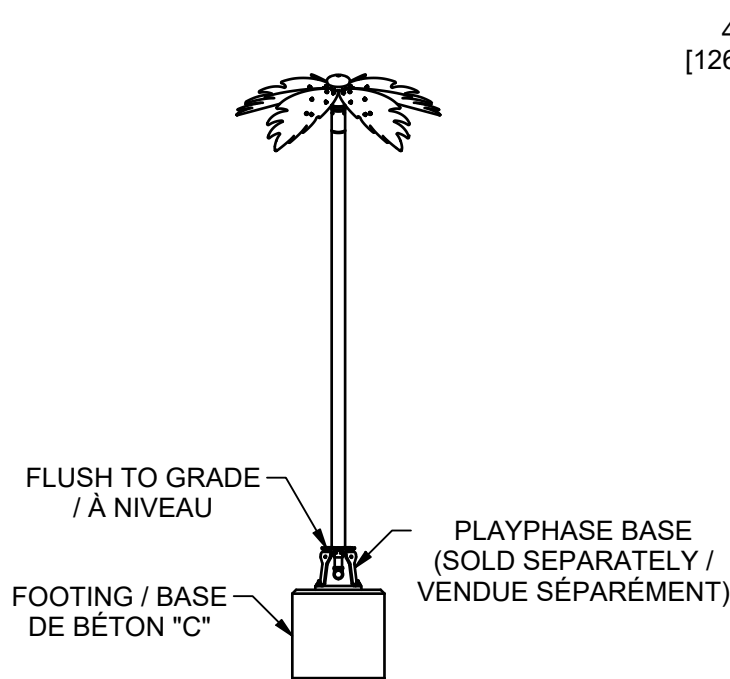
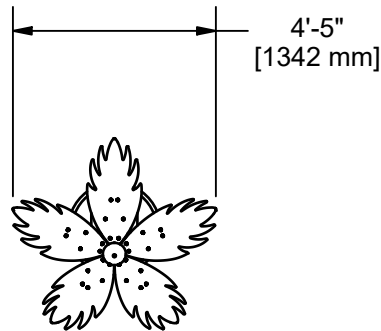
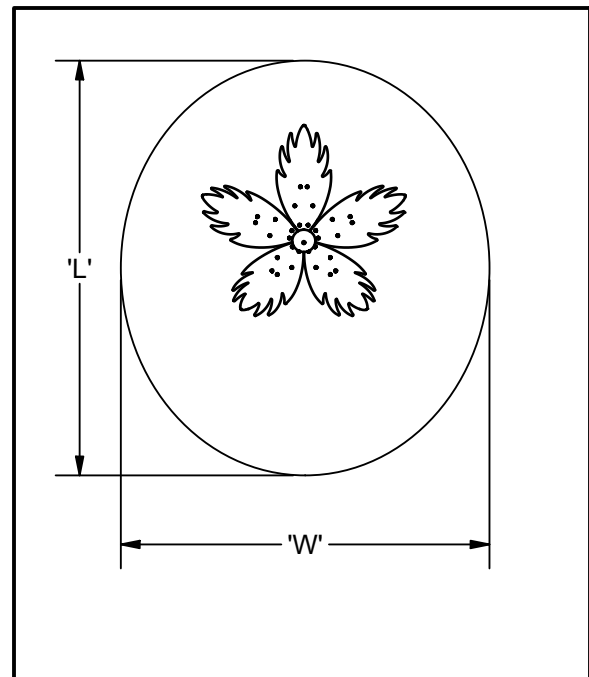
1.800.590.5552 (USA & CAN) | +1 (250) 712.3393 (INTL)  
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## LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)

BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	URETHANE / URÉTHANE
PANELS / PANNEAUX	ACRYLIC / ACRYLIQUE

## SPRAY AREA / ZONE D'ASPERSION

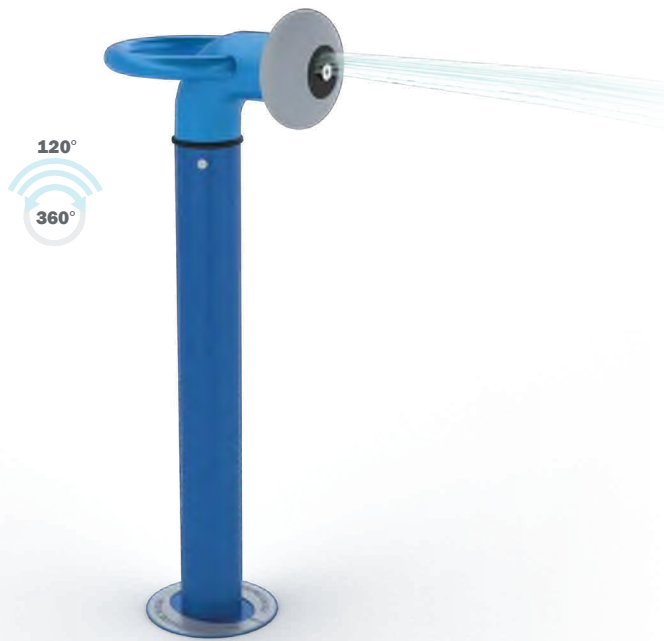


FOOTING BY OTHER, REFER TO LOCAL CODE / BASE DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:							
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa									
-/-	9/2743	8/2438	3/11	5/34	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	DRAWING ID: 0010-3632							
NOZZLES / BUSES		1	MASS: N/A		DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]		SHEET: 1 OF: 1						
					ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.  TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.			REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.			805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com		
								SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.					

# SPLASH BLASTER

0010-0403



See Specification Sheet for product data.



## WATER EFFECT

SPRAY



## INSTALLATION

ZERO-DEPTH + WADING POOL

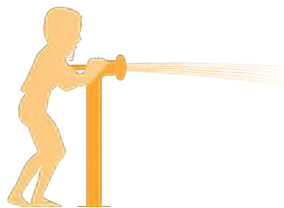


## PLAYPHASE™

DETACHABLE MOUNTING SYSTEM

## PLAY OPPORTUNITIES:

The Splash Blaster encourages team play and interactivity on the play pad. Grab the handle to aim the water spray 120°. Pair with multiple cannons for a high action play experience.



COGNITIVE



SOCIAL



PHYSICAL

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



EXPLORATION



ADVENTURE

**CATEGORY:** Cannons

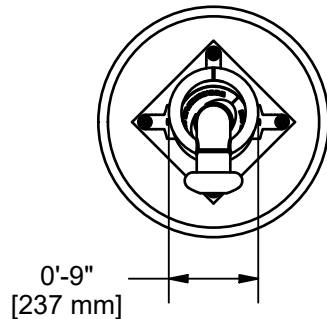
**PRODUCT LINE:** Freestanding Play

WATERPLAY  
BY **MAKER**

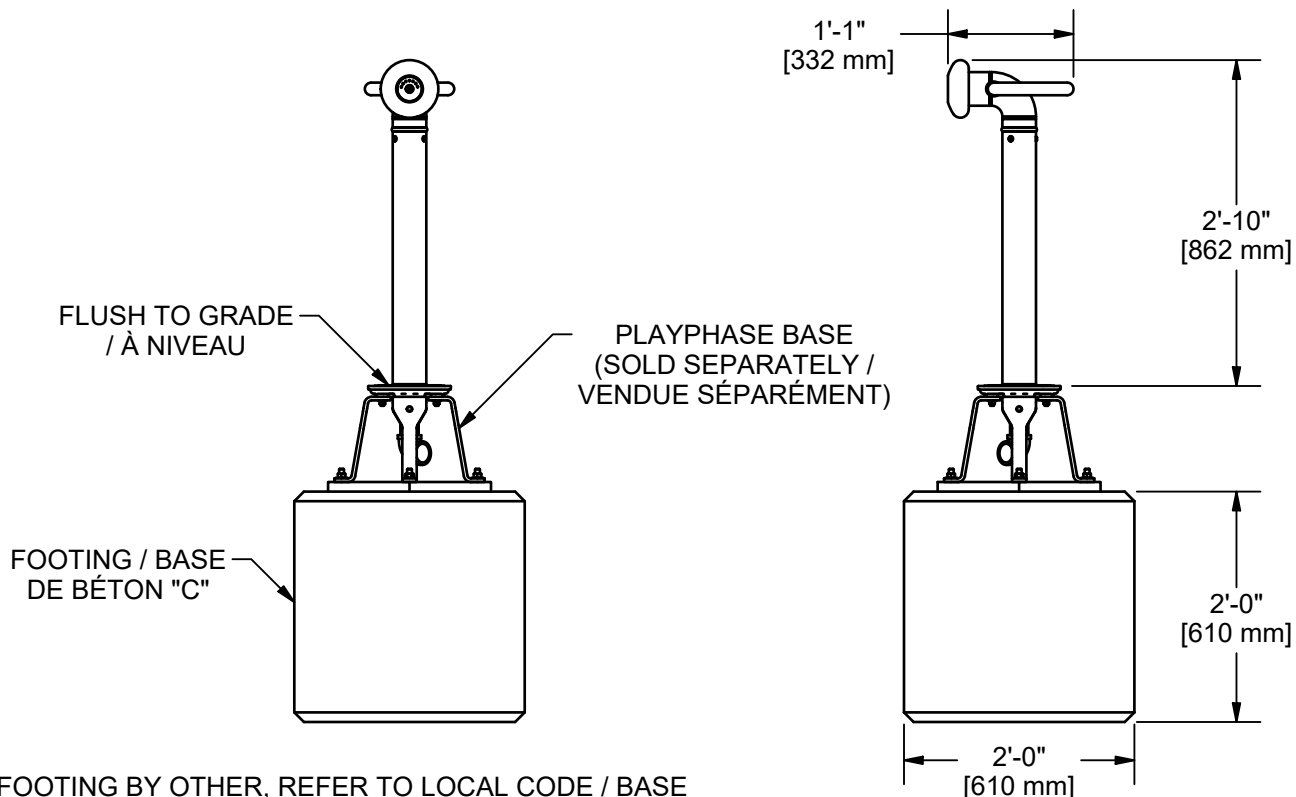
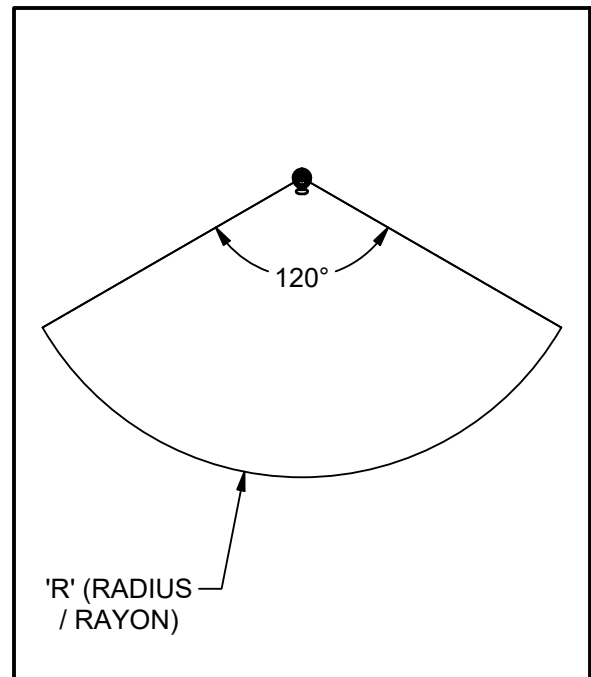
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LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)	
BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL, URETHANE / URÉTHANE



## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



FOOTING BY OTHER, REFER TO LOCAL CODE / BASE DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		DRAWING ID:	SHEET: 1
13/3965	-/-	-/-	3/11	7/48	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	<b>0010-0403</b>	OF: 1
NOZZLES / BUSES			MASS: 31.8 lbmass		DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]		



ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.

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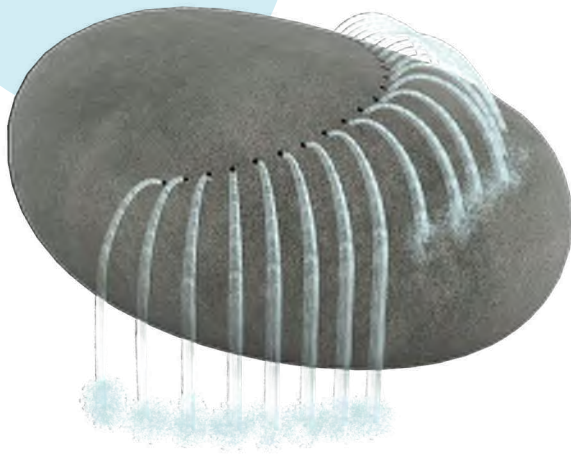
SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.

805 CROWLEY AVE.  
KELOWNA, BRITISH COLUMBIA  
CANADA, V1Y 7G6  
P: 250-712-3393  
F: 250-861-4814  
E: design@waterplay.com  
W: waterplay.com

# SURF STONE 2

0010-7472

DESIGN TIP:  
This product is easily  
retrofitted into existing  
play environments.



See Specification Sheet for product data.



**WATER EFFECT**  
MULTIPLE STREAMS



**INSTALLATION**  
ZERO-DEPTH + WADING POOL



**SAFE PLAY**  
NON-SLIP, SAND BLASTED SURFACE

## PLAY OPPORTUNITIES:

A beautiful wet stone featuring fun, gentle water effects. Stones are sand-blasted for a grippy and safe play surface and can be retrofitted over existing ground sprays for a fresh new look. They are available individually but make the best impression when paired in groups of three.



COGNITIVE



SOCIAL



PHYSICAL



CREATIVE

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## PLAY ZONES:



DEVELOPMENT



DISCOVERY



EXPLORATION

**CATEGORY:** Stones

**PRODUCT LINE:** Freestanding Play

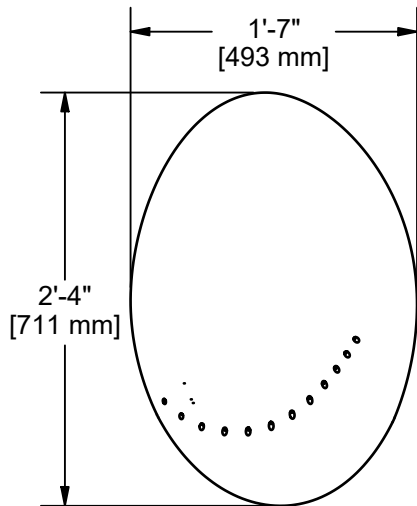
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BY **MAKER**

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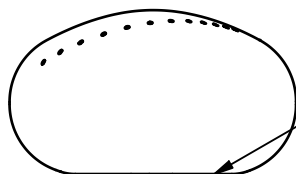
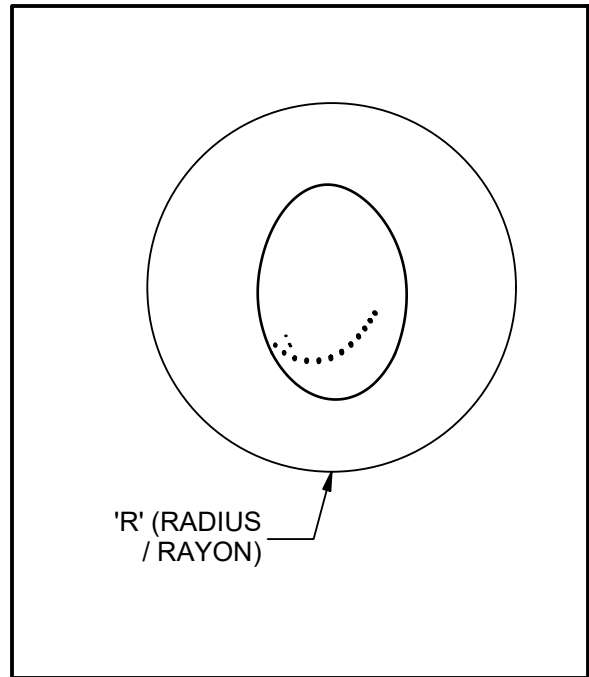
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## LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)

BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL
OTHER / AUTRE	CONCRETE / BÉTON



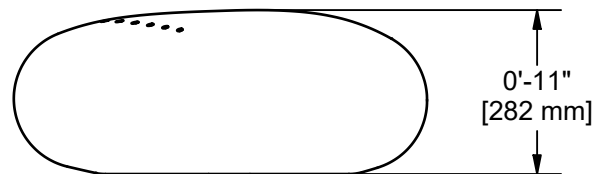
## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



FLUSH TO GRADE  
/ À NIVEAU

0010-4939 2.5IN GROUND SPRAY  
CANISTER (SOLD SEPARATELY  
/ VENDUE SÉPARÉMENT)

FOOTING / BASE  
DE BÉTON "F"




0'-11"  
[282 mm]

1'-6"  
[457 mm]

Ø1'-0"  
[Ø305 mm]

FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		DRAWING ID:	SHEET: 1
2/610	-/-	-/-	5/19	5/34	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	<b>0010-7472</b>	OF: 1
NOZZLES / BUSES			1	MASS: 94.1 lbmass	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]		
			ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.	
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						805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com	

# WATERFALL 1

0010-4590

**INTERACTIVITY:** 3 points

**USERS:** 7

**playPHASE™:** 1



CLOSE-UP

finger wheel

water wheel



See Specification Sheet for product data.



**WATER EFFECT**

FLOWING STREAM & CASCADING



**INSTALLATION**

ZERO-DEPTH + WADING POOL



**PLAYPHASE™**

DETACHABLE MOUNTING SYSTEM

## PLAY OPPORTUNITIES:

Spin the water source to create a swirling, rippling water stream that falls into the water channel. Waterplayers can team up to block, splash and flick the water or stand on opposing sides and create a battle of splashes.



COGNITIVE



SOCIAL



PHYSICAL



CREATIVE

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## PLAY ZONES:



DISCOVERY



EXPLORATION

**CATEGORY:** Waterways

**PRODUCT LINE:** Play Systems & Freestanding Play

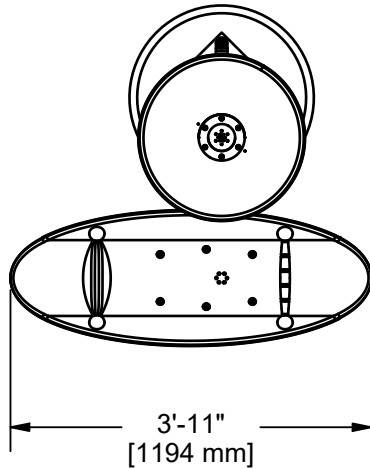
WATERPLAY  
BY **MAKER**

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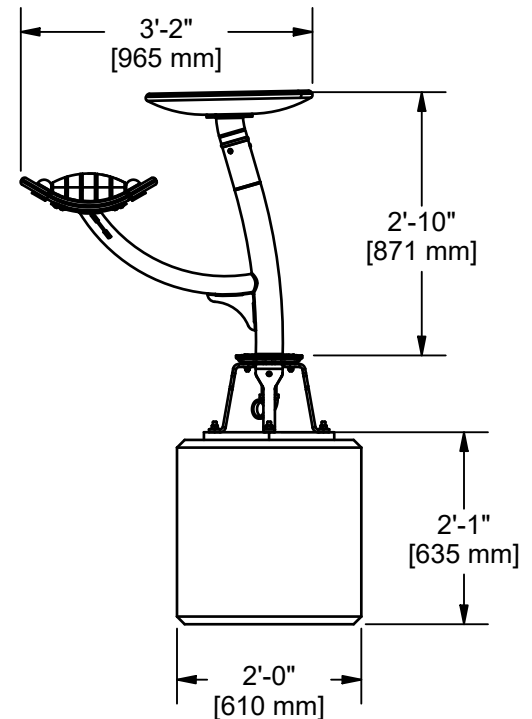
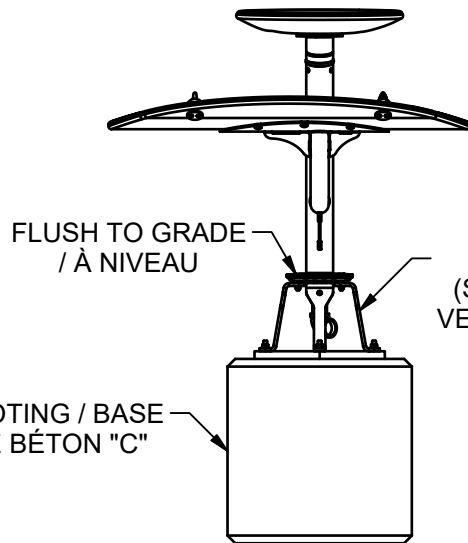
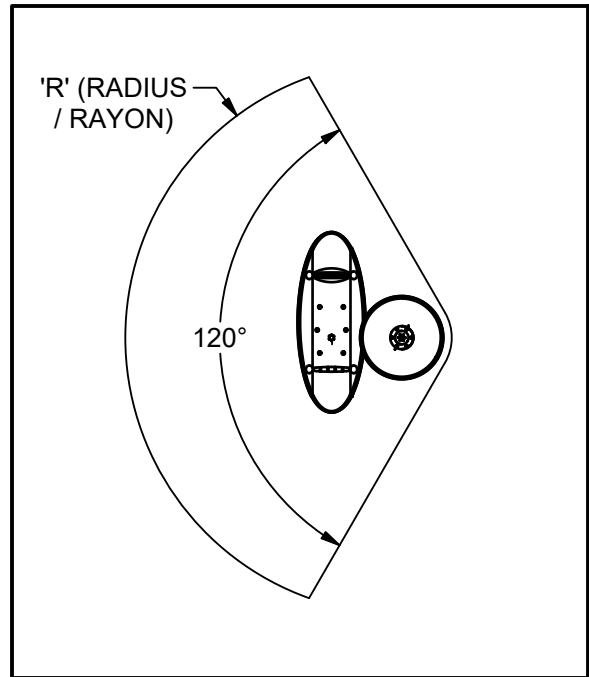
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## LIST OF MATERIALS / LISTE DE MATÉRIEAUX (IF / SI APPLICABLE)


BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
PANELS / PANNEAUX	ACRYLIC / ACRYLIQUE
OTHER / AUTRE	URETHANE / URÉTHANE



## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		DRAWING ID:	SHEET: 1
6/1829	-/-	-/-	10/38	8/55	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	0010-4590	OF: 1
NOZZLES / BUSES		-	MASS:	N/A	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]		
				ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			
				TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.			
				REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.			
				SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.			
				805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com			

# WATER-O

0010-0369

At a height of 6'3" (192cm), the Spiral Tunnel is fun for all ages and abilities.



See Specification Sheet for product data.



## WATER EFFECT

SPRAY



## INSTALLATION

ZERO-DEPTH + WADING POOL



## PLAYPHASE™

DETACHABLE MOUNTING SYSTEM

## PLAY OPPORTUNITIES:

The Water-O gets waterplayers moving! Waterplayers enjoy the cool water spray of multiple nozzles as they run through.



COGNITIVE



SOCIAL



PHYSICAL

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



EXPLORATION

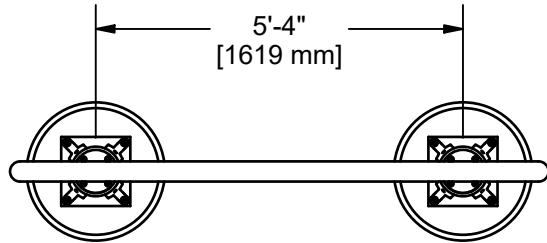


ADVENTURE

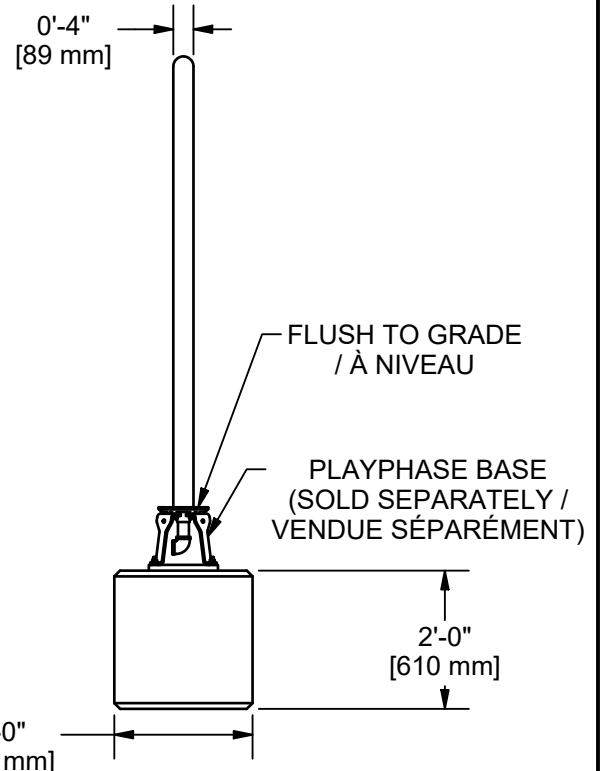
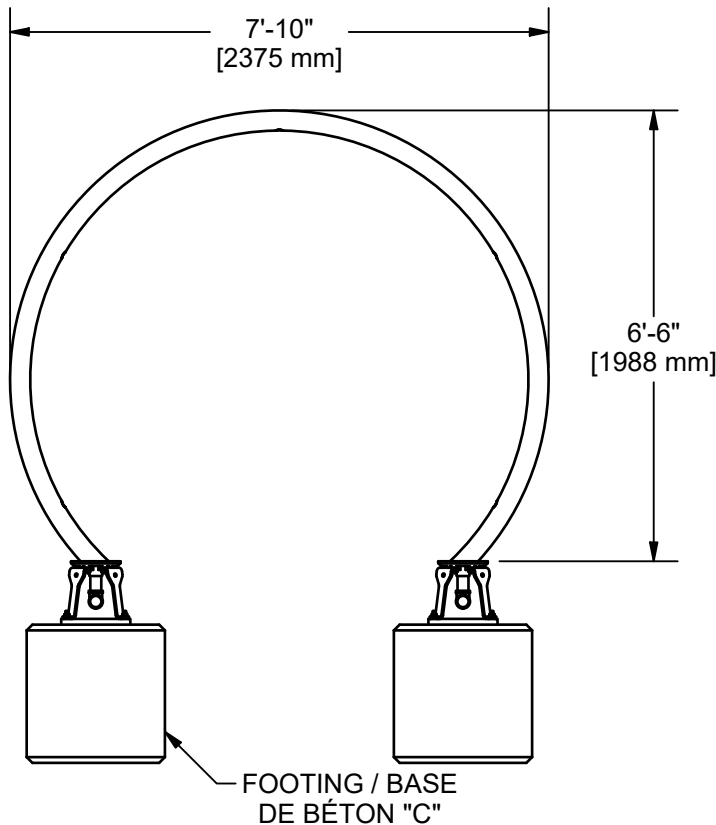
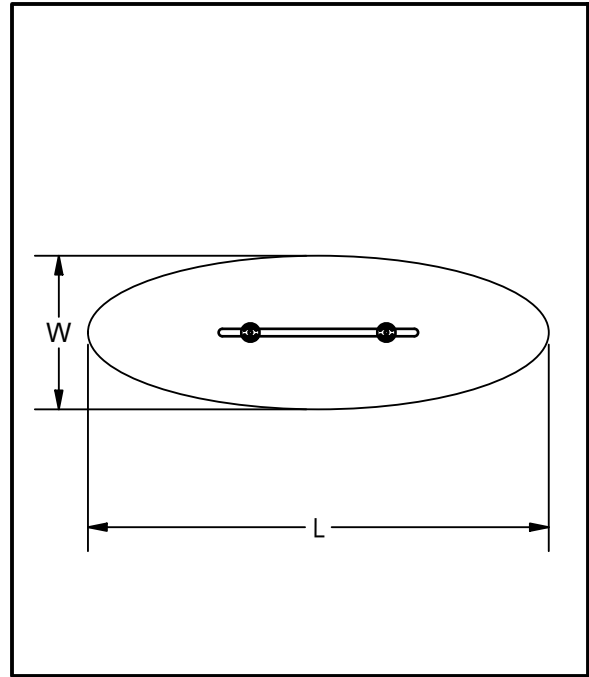
**CATEGORY:** Spirals Arches & Pass-Throughs

**PRODUCT LINE:** Freestanding Play

LIST OF MATERIALS / LISTE DE MATÉRIEAUX (IF / SI APPLICABLE)	
BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL



## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



FOOTING BY OTHER, REFER TO LOCAL CODE / BASE DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

PLAYPHASE QTY / QTÉ	2
PLAYPHASE JIG / GABARIT	0010-5570

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		
-/-	18/5486	6/1829	10/38	6/41	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	
NOZZLES / BUSES			5	MASS: 87.2 lbmass	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	DRAWING ID: <b>0010-0369</b> SHEET: 1 OF: 1



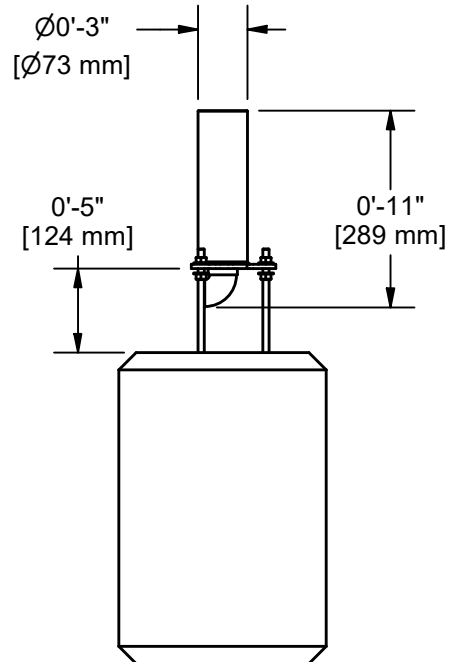
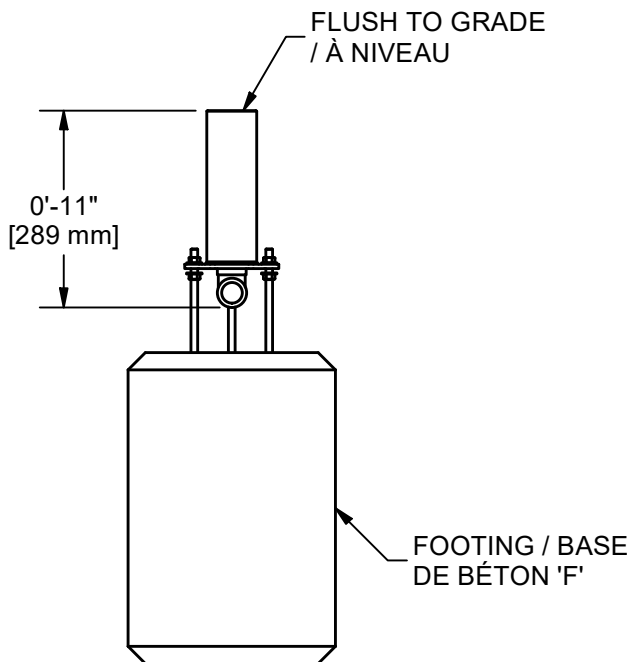
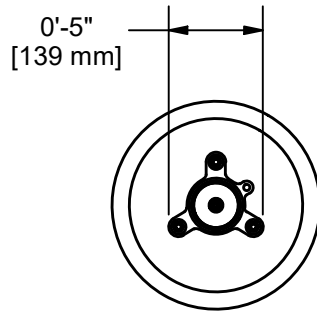
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TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.

REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.  
SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.

805 CROWLEY AVE.  
KELOWNA, BRITISH COLUMBIA  
CANADA, V1Y 7G6  
P: 250-712-3393  
F: 250-861-4814  
E: design@waterplay.com  
W: waterplay.com

# GS 2.5IN GROUND SPRAY CANISTER KIT 0010-4939

LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)	
BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL



FOOTING BY OTHER, REFER TO LOCAL CODE /  
BASE DE BÉTON PAR D'AUTRE, RÉFÉRER AU CODE LOCAL

INLET / ENTRÉE	1" F-NPT
ELECTRICAL / ÉLECTRIQUE	
DRAIN	

RECOMMENDED SPRAY AREA / ZONE D'ASPERION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE) -SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	INITIAL:
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		
-/-	-/-	-/-	-/-	-/-		
NOZZLES / BUSES			MASS:	N/A	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	DRAWING ID: <b>0010-4939</b> SHEET: 1 OF: 1



ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.  
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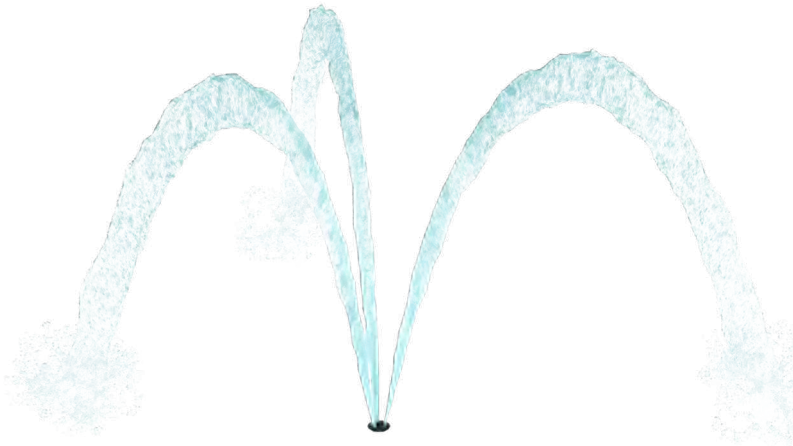
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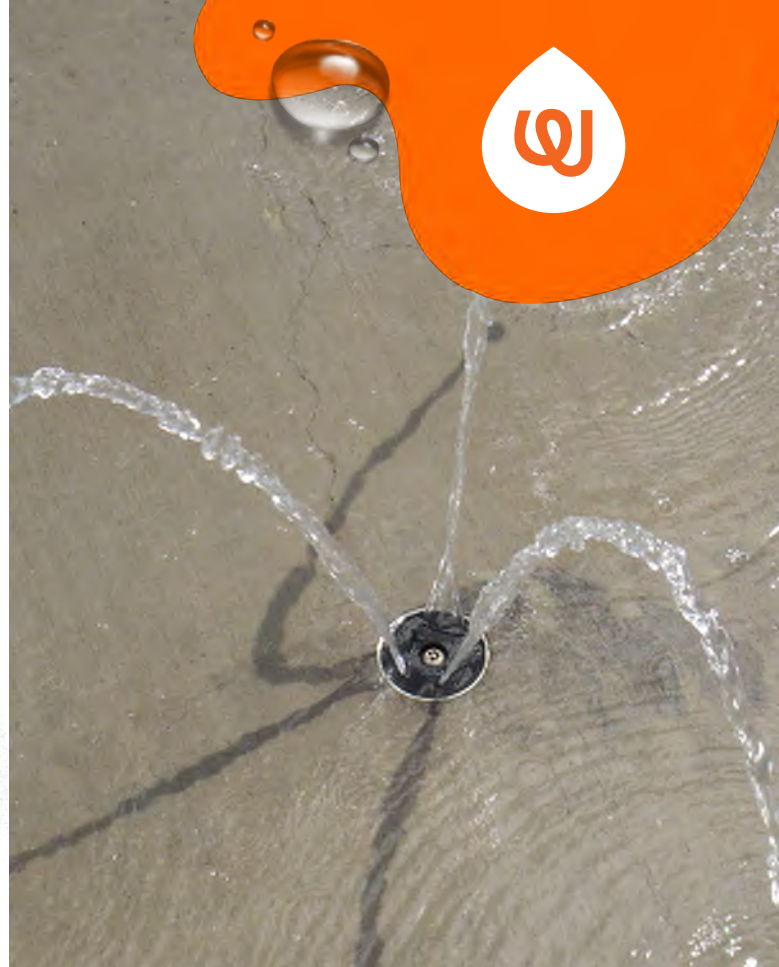
# BUTTERCUP

0010-7474

Cluster ground sprays together to create exciting water experiences for users of all abilities. Ground sprays are a perfect addition to any play zone and create natural gathering areas for exploration and communal play.



See Specification Sheet for product data.



## WATER EFFECT

MULTI-DIRECTIONAL, ANGLED



## INSTALLATION

ZERO-DEPTH + WADING POOL



## MATERIALS

ANTI-GALLING ACETAL NOZZLE

## PLAY OPPORTUNITIES:

The Buttercup sprays three thin streams of soft water to about 24" before cascading downwards.



COGNITIVE



PHYSICAL

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



DEVELOPMENT



DISCOVERY



EXPLORATION



ADVENTURE

**CATEGORY:** Classic Sprays

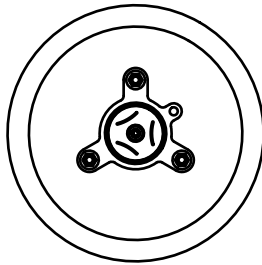
**PRODUCT LINE:** Ground Sprays & Playable Fountains

WATERPLAY  
BY **MAKER**

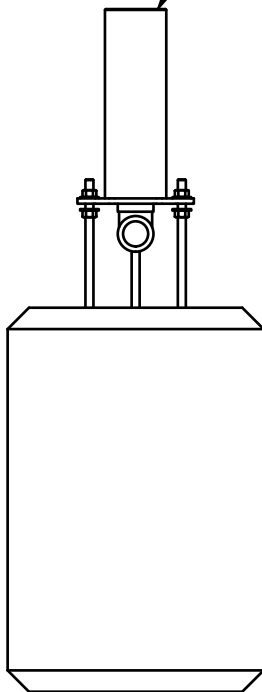
1.800.590.5552 (USA & CAN) | +1 (250) 712.3393 (INTL)  
info@waterplay.com | www.waterplay.com

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LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)	
BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL

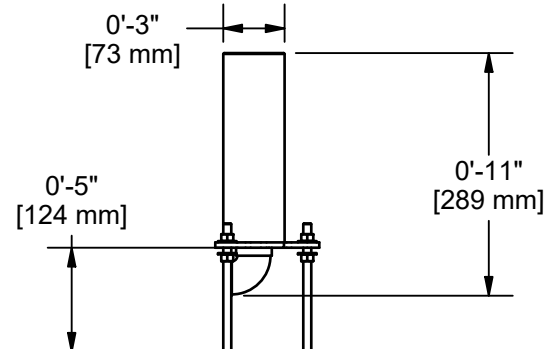
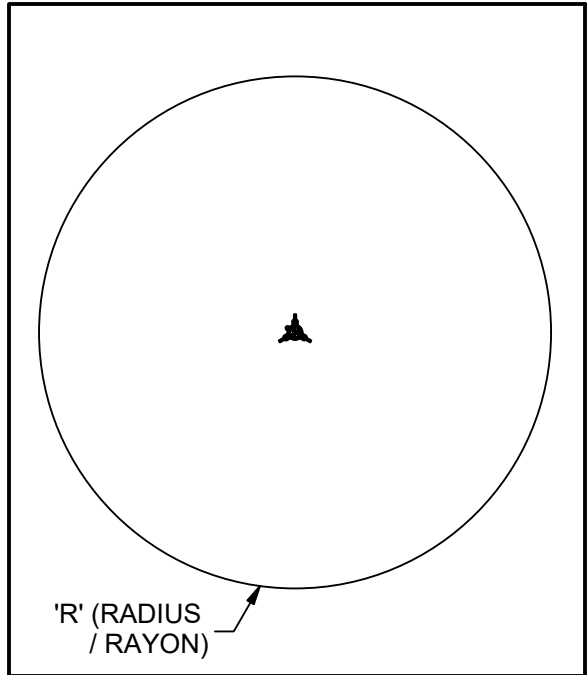


FLUSH TO GRADE  
/ À NIVEAU



FOOTING / BASE  
DE BÉTON 'F'

## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



DESCRIPTION / LA DESCRIPTION	SIZE / TAILLE	QTY / QTÉ
INLET / ENTRÉE	1" F-NPT	1
ELECTIRCAL / ÉLECTRIQUE	-	-
DRAIN	-	-

FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		
5/1524	-/-	-/-	7/26	3/20	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	DRAWING ID: <b>0010-7474</b>
NOZZLES / BUSES			1	MASS: N/A	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	SHEET: 1 OF: 1



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F: 250-861-4814  
E: design@waterplay.com  
W: waterplay.com

# MONSTER 5

0010-7480

Cluster ground sprays together to create exciting water experiences for users of all abilities. Ground sprays are a perfect addition to any play zone and create natural gathering areas for exploration and communal play.



See Specification Sheet for product data.



## WATER EFFECT

BUBBLER



## INSTALLATION

ZERO-DEPTH + WADING POOL

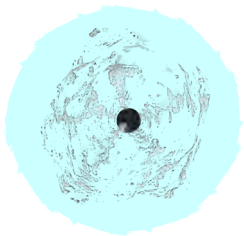


## MATERIALS

ANTI-GALLING ACETAL NOZZLE

## PLAY OPPORTUNITIES:

The Monster 5 ground spray creates a gentle, bubbling effect—perfect for tactile stimulation and discovery zones.



COGNITIVE



PHYSICAL

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



DEVELOPMENT



DISCOVERY



EXPLORATION



ADVENTURE

**CATEGORY:** Classic Sprays

**PRODUCT LINE:** Ground Sprays & Playable Fountains

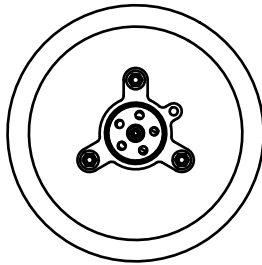
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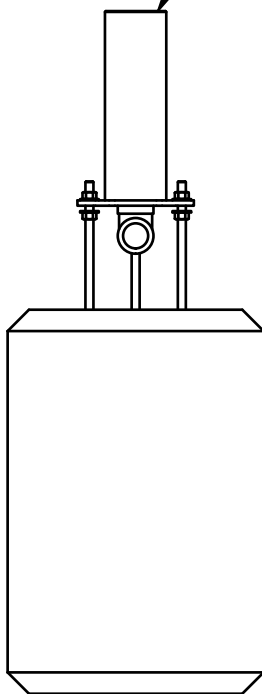
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## LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)

BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL

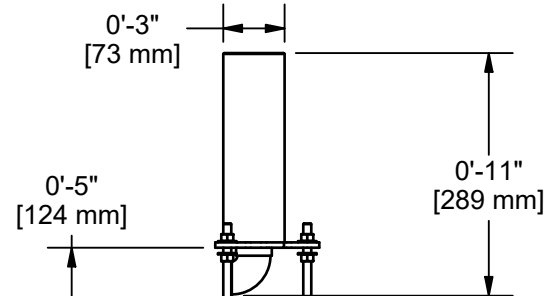
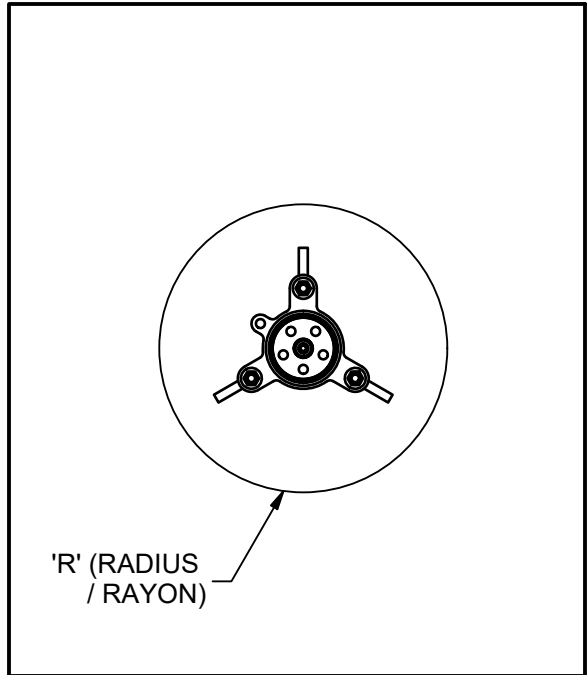


FLUSH TO GRADE  
/ À NIVEAU



FOOTING / BASE  
DE BÉTON 'F'

## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



DESCRIPTION / LA DESCRIPTION	SIZE / TAILLE	QTY / QTÉ
INLET / ENTRÉE	1" F-NPT	1
ELECTIRCAL / ÉLECTRIQUE	-	-
DRAIN	-	-

FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		
0.5/152	-/-	-/-	10/38	2/14	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	DRAWING ID: <b>0010-7480</b>
NOZZLES / BUSES			1	MASS: 7.8 lbmass	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	SHEET: 1 OF: 1



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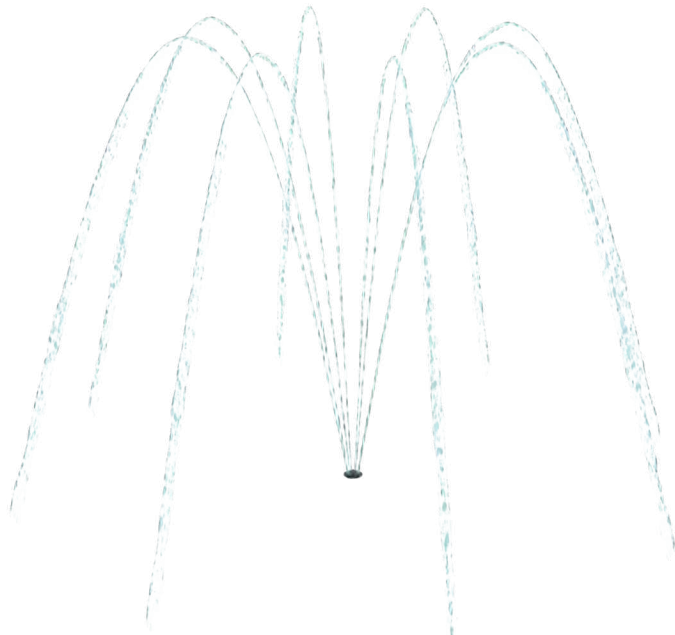
SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT  
POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A  
LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.

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E: design@waterplay.com  
W: waterplay.com

# MOP TOP

0010-7493

Cluster ground sprays together to create exciting water experiences for users of all abilities. Ground sprays are a perfect addition to any play zone and create natural gathering areas for exploration and communal play.



See Specification Sheet for product data.



## WATER EFFECT

MULTI-DIRECTIONAL, ANGLED



## INSTALLATION

ZERO-DEPTH + WADING POOL

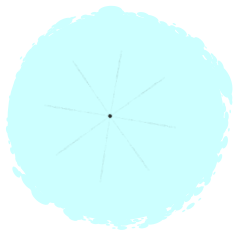


## MATERIALS

ANTI-GALLING ACETAL NOZZLE

## PLAY OPPORTUNITIES:

Ready to make a big impact, this *adjustable ground spray* features a 6" (152mm) nozzle that sends water up and out. Adjust directions and angles for a perfect water adventure!



COGNITIVE



PHYSICAL

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## PLAY ZONES:



DEVELOPMENT



DISCOVERY



EXPLORATION

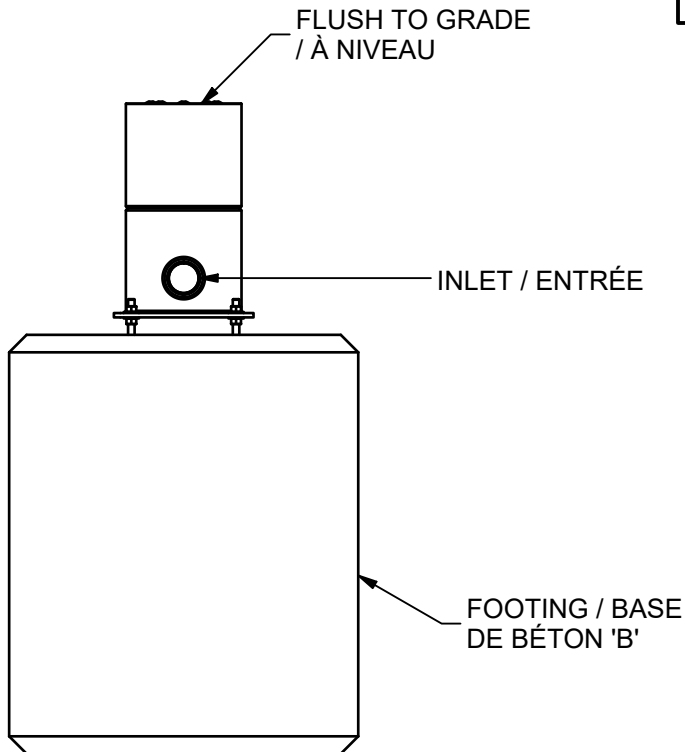
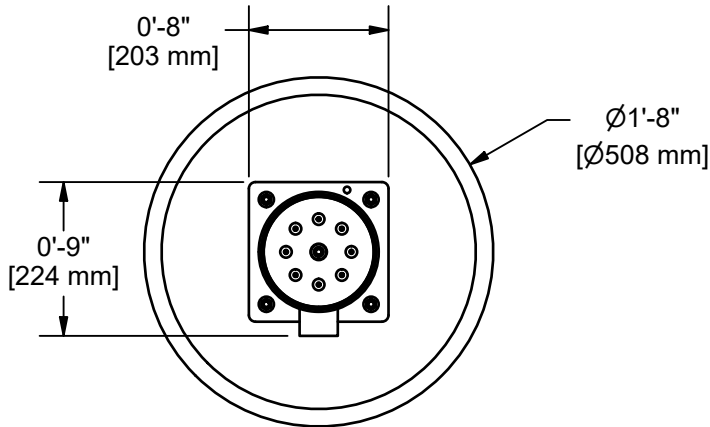


ADVENTURE

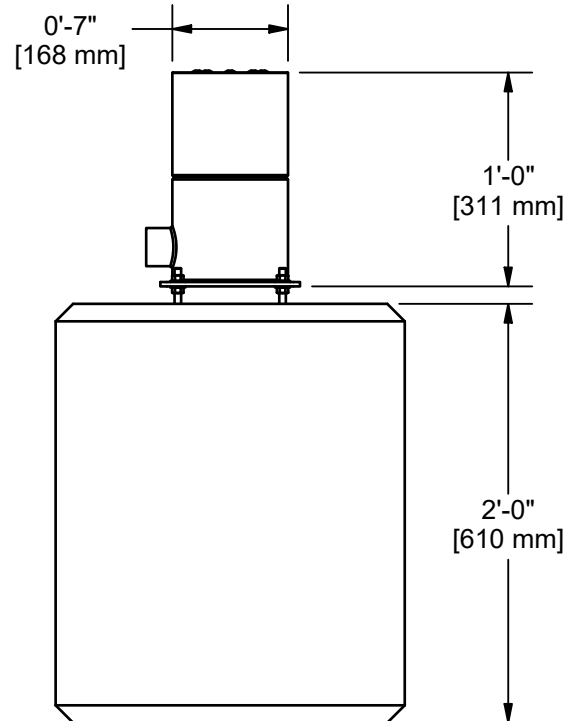
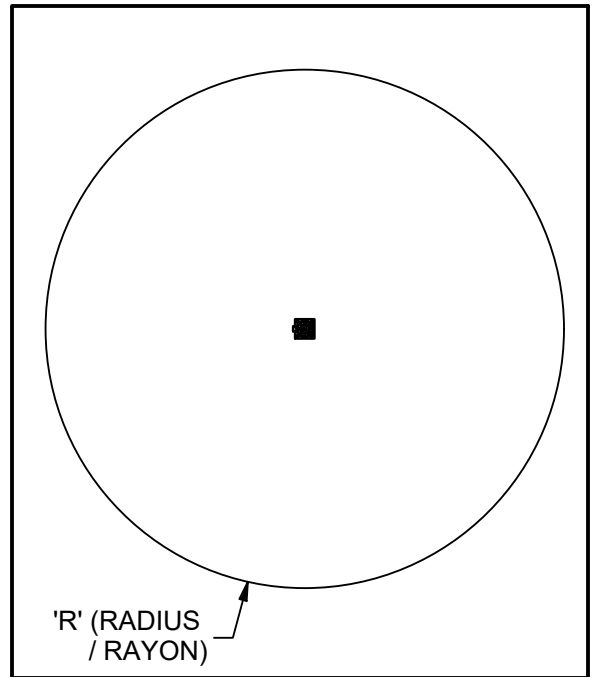
**CATEGORY:** Classic Sprays

**PRODUCT LINE:** Ground Sprays & Playable Fountains

LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)	
BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL



## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



FOOTING BY OTHER, REFER TO LOCAL CODE / BASE DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

DESCRIPTION	SIZE / TAILLE	QTY / QTÉ
INLET / ENTRÉE	1-1/2" F-NPT	1
ELECTRICAL / ÉLECTRIQUE	-	-
DRAIN	-	-

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		
9/2743	-/-	-/-	10/38	4/28	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	DRAWING ID: <b>0010-7493</b> SHEET: 1 OF: 1
NOZZLES / BUSES			1	MASS: N/A	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	



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# PLAYPHASE™ GROUND SPRAY

0010-8942



## COMPATIBLE WITH:

Buttercup  
Charlotte's Web  
Confetti Spray  
Fountain  
Mountain  
Geyser  
Misty Mountain  
Monster 5  
Solo Spurt  
Split Spurt  
Starlet Spray  
Steady  
Stream  
Straight Up  
Tidal Wave  
Tower  
Spray  
Tulip  
Wave

See Specification Sheet for product data.



playPHASE™ makes owning a splash pad EASIER! Easier to install, easier to maintain and easier to remove and replace features in future refurbishments.



## WATER EFFECT

DEPENDANT ON NOZZLE



## INSTALLATION

ZERO-DEPTH



## PLAYPHASE™

DETACHABLE MOUNTING SYSTEM

## PLAY OPPORTUNITIES:

The playPHASE™ Ground spray adds playful water action to any space while providing the opportunity to change your splashes down the road. The playPHASE™ Ground Spray is compatible with any 2 ½" Waterplay nozzle and let's you completely swap out the ground spray for a freestanding play feature!



COGNITIVE



SOCIAL



PHYSICAL



CREATIVE

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



DEVELOPMENT



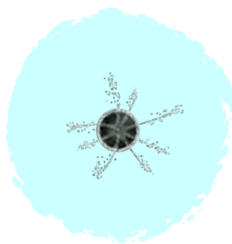
DISCOVERY



EXPLORATION



ADVENTURE



**CATEGORY:** playPHASE™ Sprays

**PRODUCT LINE:** Ground Sprays & Playable Fountains

WATERPLAY  
BY **MAKER**

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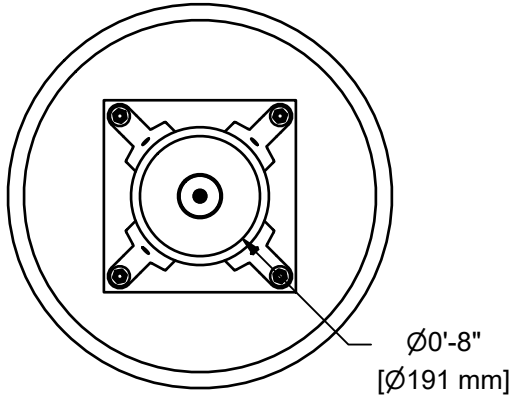
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# GS PLAYPHASE GROUND SPRAY

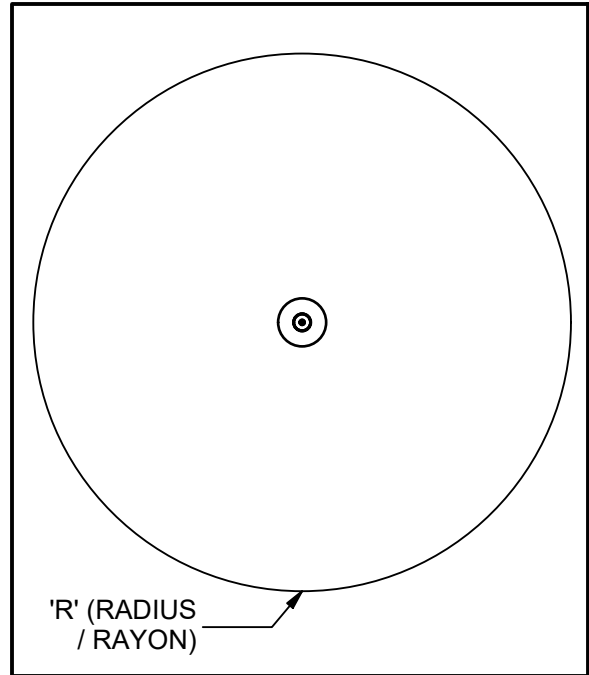
0010-8942

## LIST OF MATERIALS / LISTE DE MATÉRIAUX

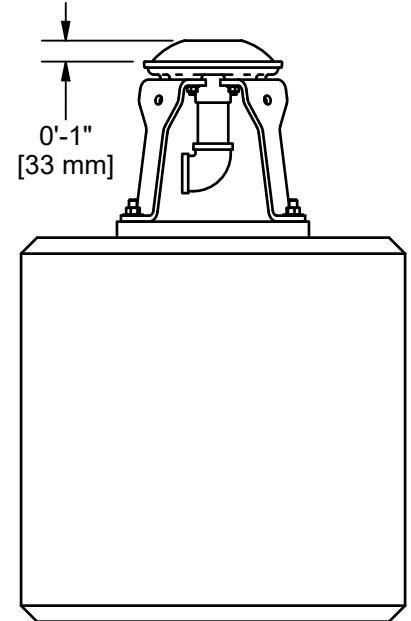
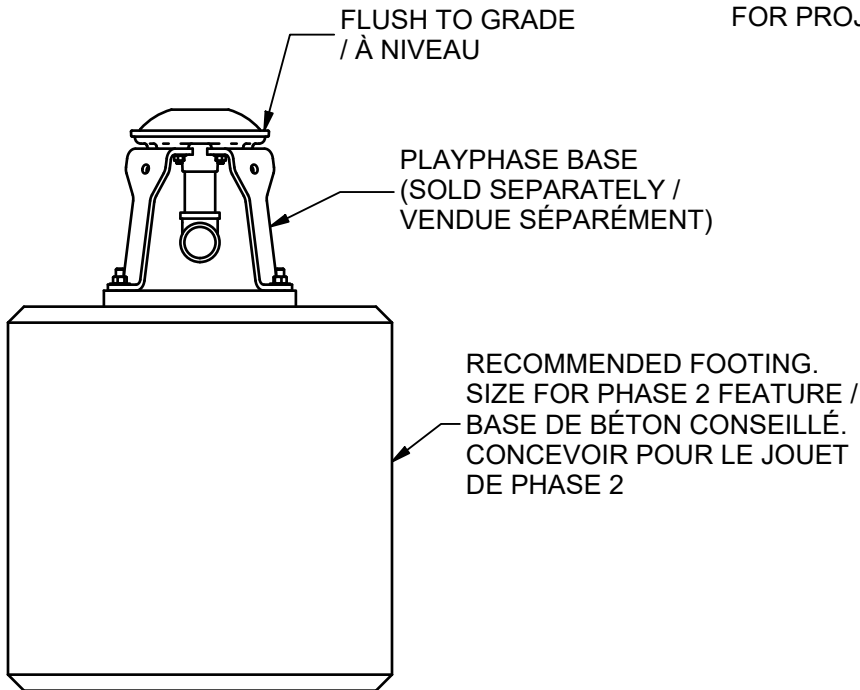
BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL
OTHER / AUTRE	URETHANE / URÉTHANE




## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



**NOTE:** DATA SHOWN FOR PLAYPHASE GS WITH GEYSER NOZZLE. SEE MECHANICAL WORKBOOK FOR PROJECT SPECIFIC NOZZLE SELECTION.

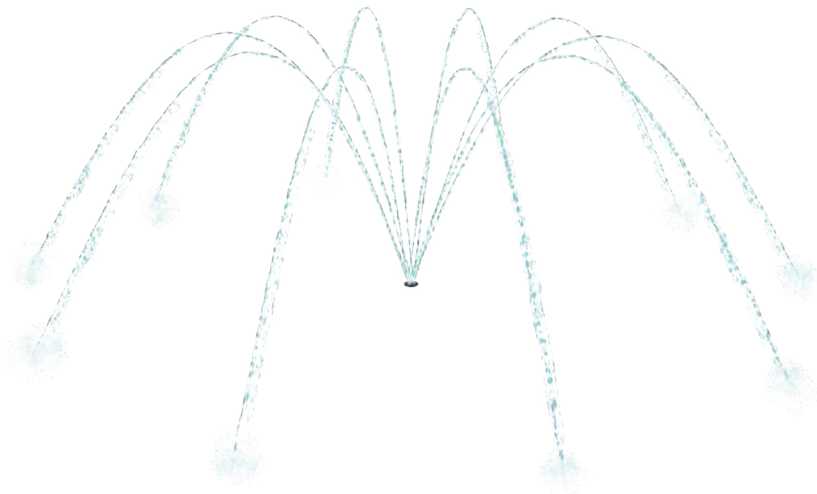


FOOTING BY OTHER, REFER TO LOCAL CODE / BASE DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

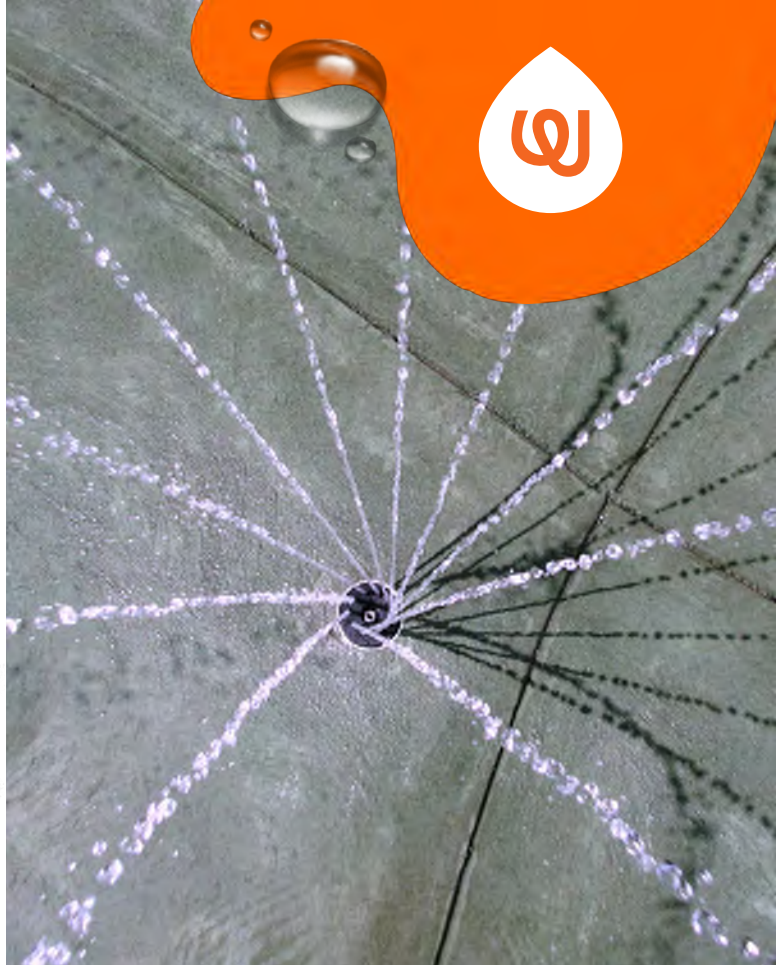
RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		DRAWING ID:	SHEET: 1
3.5/1067	-/-	-/-	6/23	5/34	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	<b>0010-8942</b>	OF: 1
NOZZLES / BUSES			1	MASS: 5.4 lbmass	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]		
			ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com	
			TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.			REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.  SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.	

# STARLET SPRAY

0010-7483 Cluster ground sprays together to create exciting water experiences for users of all abilities. Ground sprays are a perfect addition to any play zone and create natural gathering areas for exploration and communal play.



See Specification Sheet for product data.



## WATER EFFECT

MULTI-DIRECTIONAL, ANGLED



## INSTALLATION

ZERO-DEPTH + WADING POOL



## MATERIALS

ANTI-GALLING ACETAL NOZZLE

## PLAY OPPORTUNITIES:

The Starlet Spray's 10 streams of water create a beautiful and playful water effect that looks like a shimmering star.



COGNITIVE



PHYSICAL

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



DEVELOPMENT



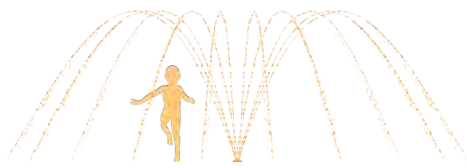
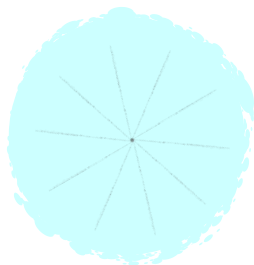
DISCOVERY



EXPLORATION



ADVENTURE

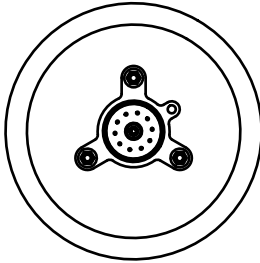


**CATEGORY:** Classic Sprays

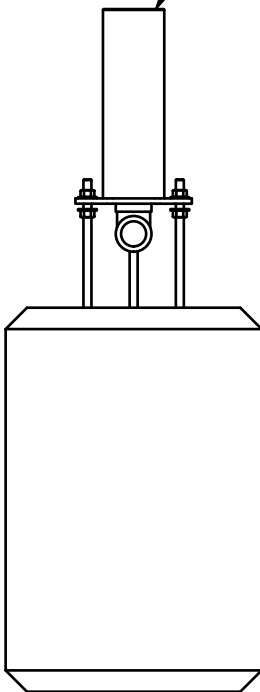
**PRODUCT LINE:** Ground Sprays & Playable Fountains

## LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)

BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL

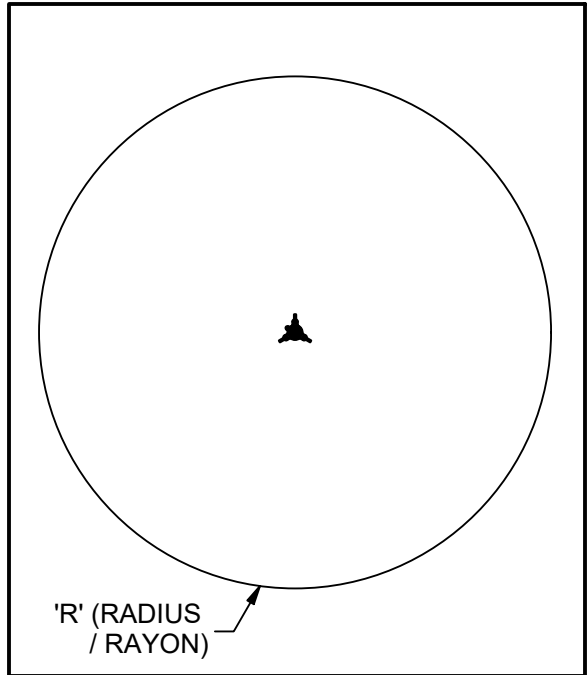


FLUSH TO GRADE  
/ À NIVEAU



FOOTING / BASE  
DE BÉTON 'F'

## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT




0'-3"  
[73 mm]

0'-5"  
[124 mm]

0'-11"  
[289 mm]

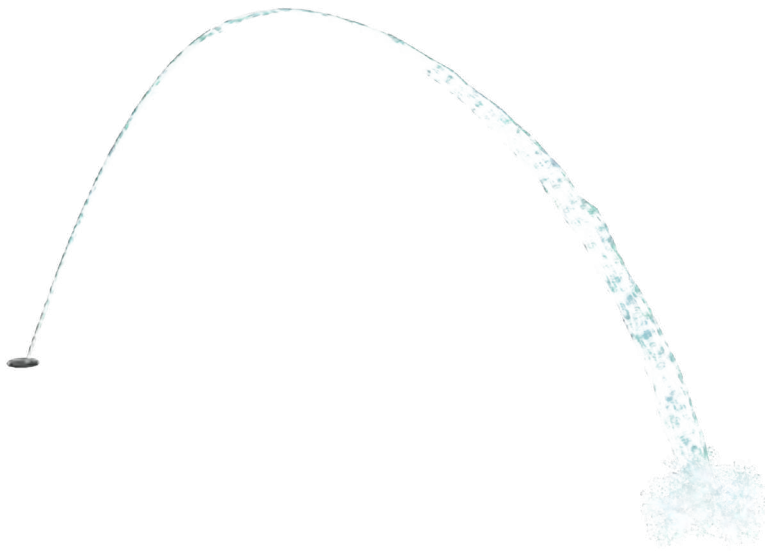
DESCRIPTION / LA DESCRIPTION	SIZE / TAILLE	QTY / QTÉ
INLET / ENTRÉE	1" F-NPT	1
ELECTIRCAL / ÉLECTRIQUE	-	-
DRAIN	-	-

FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

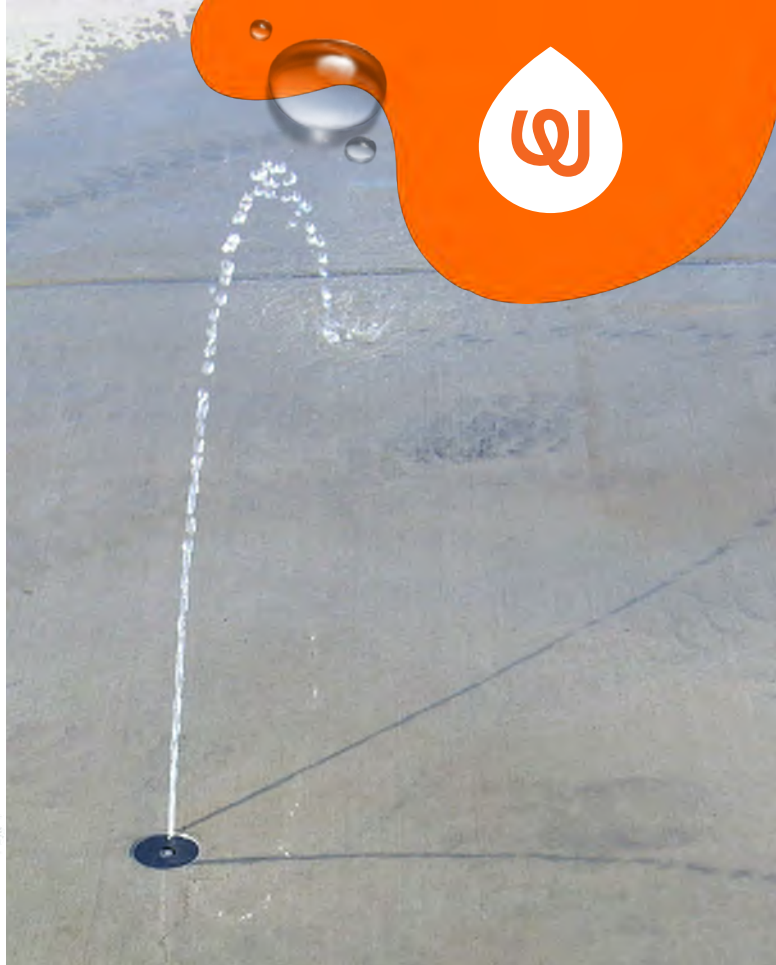
RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)  -SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		DRAWING ID:	SHEET: 1
5/1524	-/-	-/-	5/19	4/28		<b>0010-7483</b>	OF: 1
NOZZLES / BUSES		1	MASS: 7.8 lbmass	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]			
			ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com	
			TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.				
			REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.			SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.	

# STEADY STREAM

0010-7484 Cluster ground sprays together to create exciting water experiences for users of all abilities. Ground sprays are a perfect addition to any play zone and create natural gathering areas for exploration and communal play.



See Specification Sheet for product data.



## WATER EFFECT

ADJUSTABLE, ANGLED SPRAY



## INSTALLATION

ZERO-DEPTH + WADING POOL

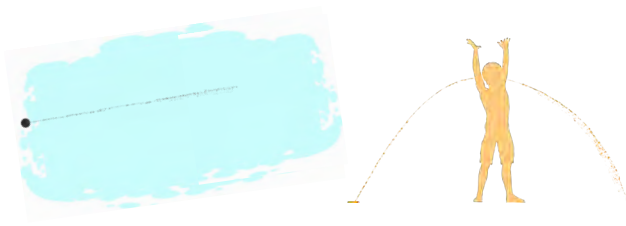


## MATERIALS

ANTI-GALLING ACETAL NOZZLE

## PLAY OPPORTUNITIES:

Adaptable to any footprint, this playful ground spray is perfect for tight spaces or unique designs as it allows the installer to *adjust the spray angle*. Provide high play value with low water consumption.



COGNITIVE



PHYSICAL

Play is fundamental in childhood development, health and wellbeing. Waterplay products are designed using research that supports cognitive, social and emotional, creative and physical growth. The above icons represent the leading attributes associated with this play feature.

## PLAY ZONES:



DEVELOPMENT



DISCOVERY



EXPLORATION



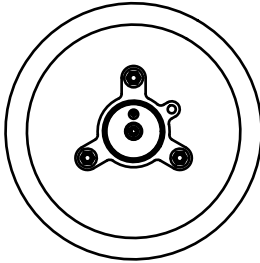
ADVENTURE

**CATEGORY:** Classic Sprays

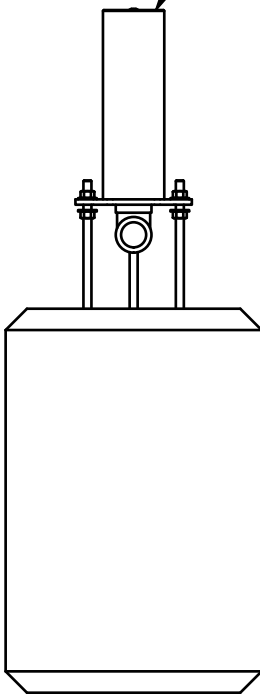
**PRODUCT LINE:** Ground Sprays & Playable Fountains

## LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)

BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
NOZZLES / BUSES	ACETAL / ACÉTAL

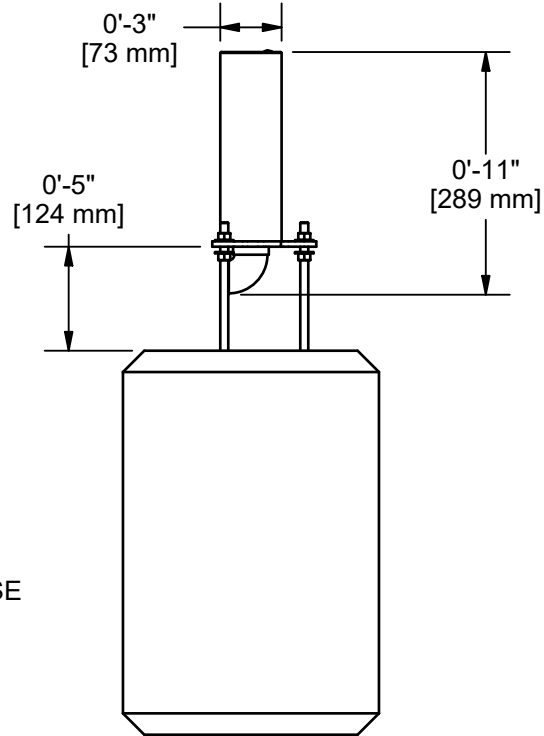
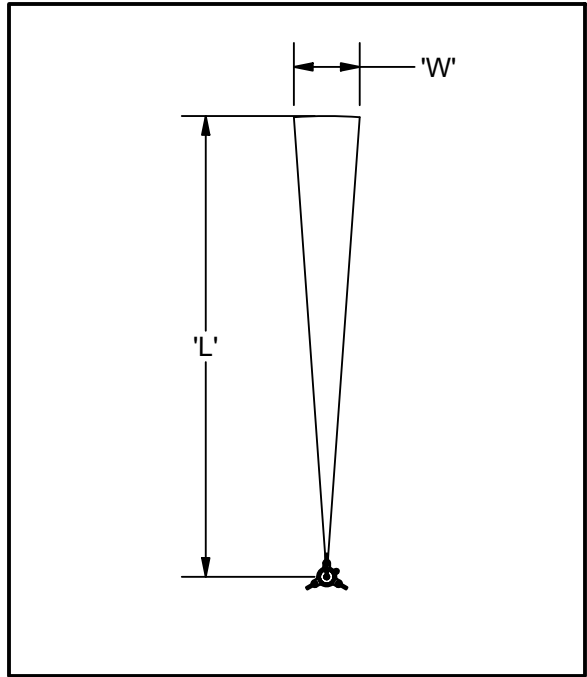


FLUSH TO GRADE  
/ À NIVEAU



FOOTING / BASE  
DE BÉTON 'F'

## IMPACT SPRAY AREA / ZONE D'ASPERSION D'IMPACT



DESCRIPTION / LA DESCRIPTION	SIZE / TAILLE	QTY / QTÉ
INLET / ENTRÉE	1" F-NPT	1
ELECTIRCAL / ÉLECTRIQUE	-	-
DRAIN	-	-

FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE) -SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	INITIAL:
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		
-/-	7/2134	1/305	1/4	3.5/24		
NOZZLES / BUSES			1	MASS: 7.9 lbmass	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	DRAWING ID: <b>0010-7484</b> SHEET: 1 OF: 1



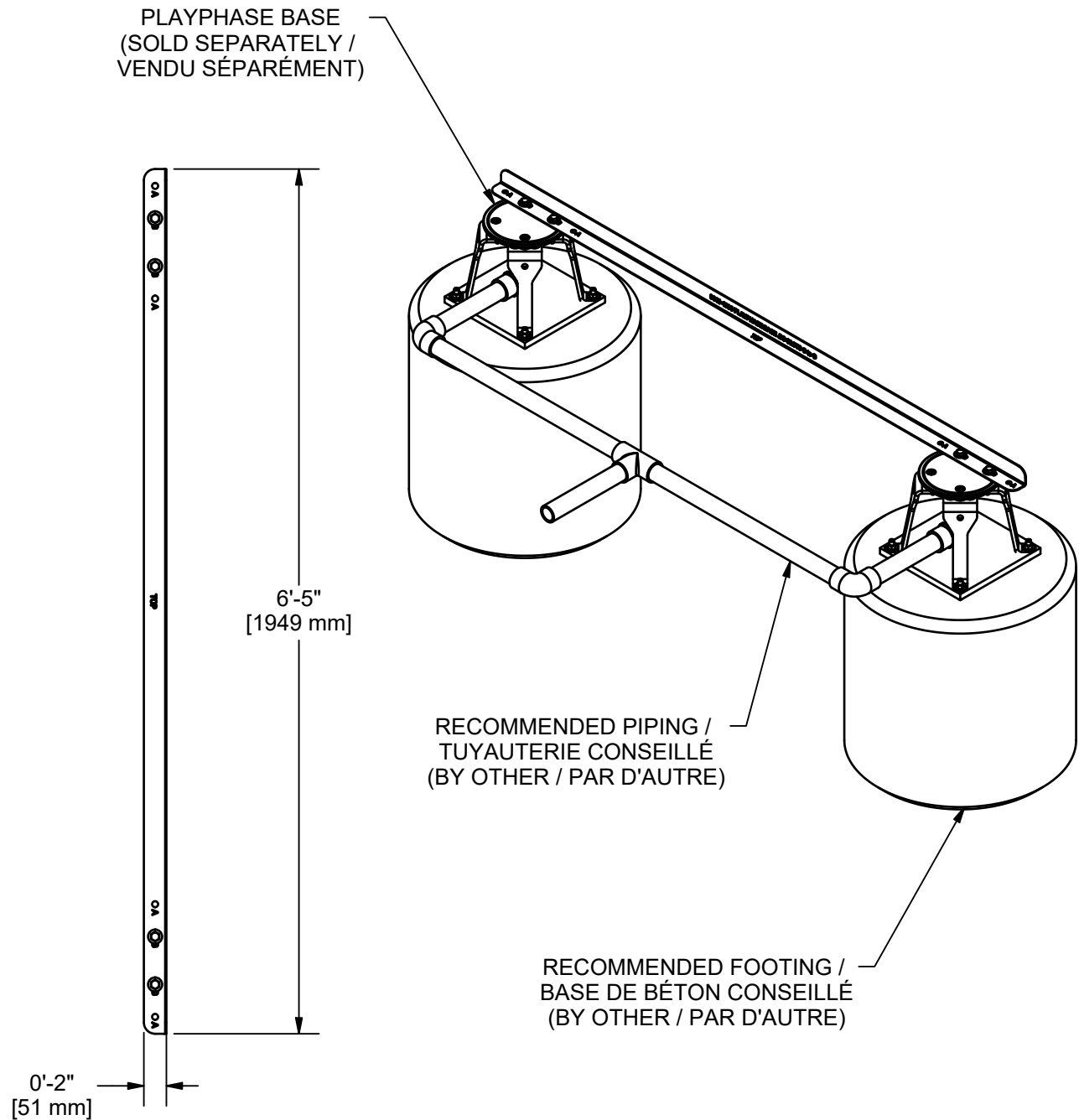
ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE  
PROPERTY OF THE WATERPLAY AND CANNOT BE  
USED OR REPRODUCED WITHOUT WRITTEN  
PERMISSION.


TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT  
CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT  
ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE  
PERMISSION ÉCRITE DE LEUR PART.

REFER TO THE COMPONENT WRITTEN SPECIFICATION  
DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS.  
WATERPLAY RESERVES THE RIGHT TO CHANGE THIS  
SPECIFICATION WITHOUT NOTICE.

SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT  
POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A  
LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.

805 CROWLEY AVE.  
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P: 250-712-3393  
F: 250-861-4814  
E: design@waterplay.com  
W: waterplay.com

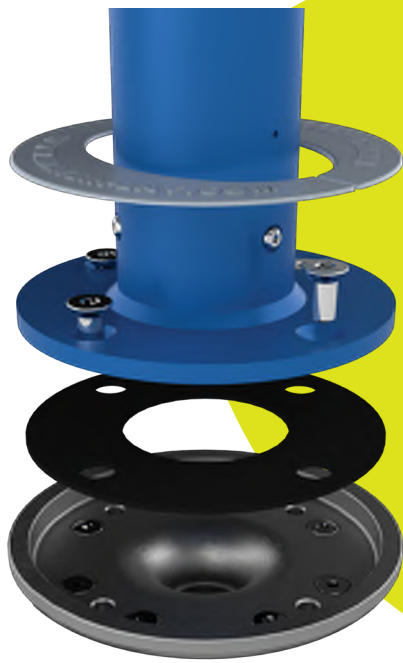


RECOMMENDED SPRAY AREA / ZONE D'ASPERION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa			
-/-	-/-	-/-	-/-	-/-	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	DRAWING ID:	SHEET: 1
NOZZLES / BUSES			MASS: 9.6 lbmass		DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	0010-5570	OF: 1
			ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.	
			TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.			SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.	
						805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com	

**PLAYPHASE™**

0010-0507

## ANCHORING SYSTEM



playPHASE™ is the industry's only flush to grade, tamper resistant, removable aquatic play feature anchoring system.

Don't limit the possibilities of your next aquatic play project. Phase your installation, switch out spray features or plan for future expansions with **playPHASE™**, a flush-to-grade anchoring system exclusive to Waterplay®.



Prepare your project site before the spray features arrive



Sleek and seamless for a flawless play space



Compatible with any Waterplay aquatic feature



Flush-to-grade design safely conceals hardware



Simplified installation for a perfect concrete pour every time



No toe guards or dome covers required!



playPHASE™ works with low, medium and high flow rates



1.888.890.6257 (USA & CAN) | +1 (250) 712.3393 (INTL)  
info@waterplay.com | www.waterplay.com

For full product specification details, please refer to the product specification document. Due to our continuing product improvement program, Waterplay® reserves the right to change the product specifications without notice. All product designs at all times remain the property of Waterplay or are used under license and cannot be used or reproduced without written permission.

## CHOOSE A PLAYPHASE™

SETTING TO MEET PROJECT TIMELINES,  
PLAN FOR FUTURE EXPANSIONS AND  
EASILY RETROFIT OR UPDATE YOUR SPACE!



any freestanding  
play feature



low flow playPHASE  
geyser spray



medium flow playPHASE  
geyser spray



high flow playPHASE  
geyser spray



winter cap/  
blank



foot activator



ground spray nozzle

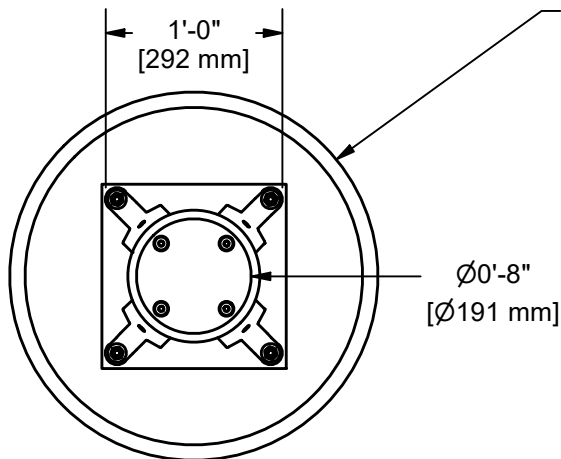


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info@waterplay.com | www.waterplay.com

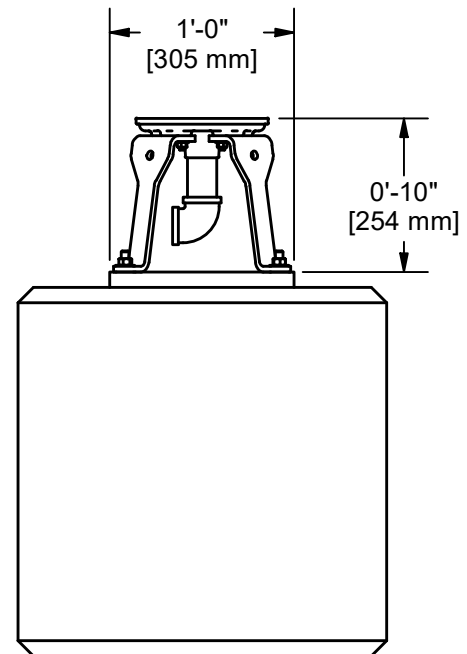
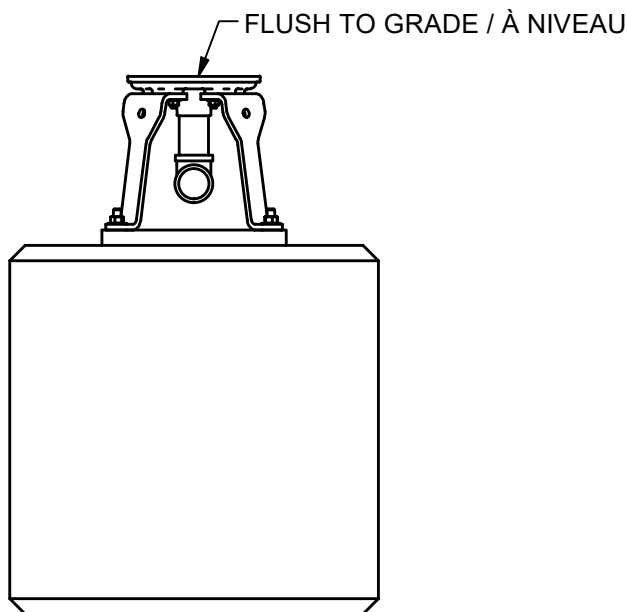
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## LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)

BASE MATERIAL / MATÉRIEL	304 STAINLESS STEEL / ACIER INOXYDABLE
-----------------------------	---



RECOMMENDED FOOTING / BASE DE BÉTON CONSEILLÉ (BY OTHER / PAR D'AUTRE). REFER TO FEATURE SPEC PAGE FOR DETAILS / CONSULTER LA PAGE TECHNIQUE DU JEU POUR LES DÉTAILS



FOOTING BY OTHER, REFER TO LOCAL CODE /  
BASE DE BÉTON PAR D'AUTRE, RÉFÉRER AU CODE LOCAL

INLET / ENTRÉE	1-1/2" F-NPT
ELECTRICAL / ÉLECTRIQUE	-
DRAIN	-

RECOMMENDED SPRAY AREA / ZONE D'ASPERSION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		
-/-	-/-	-/-	-/-	-/-	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	
NOZZLES / BUSES			MASS: 27.5 lbmass		DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	DRAWING ID: <b>0010-0507</b> SHEET: 1 OF: 1



ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.

TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.

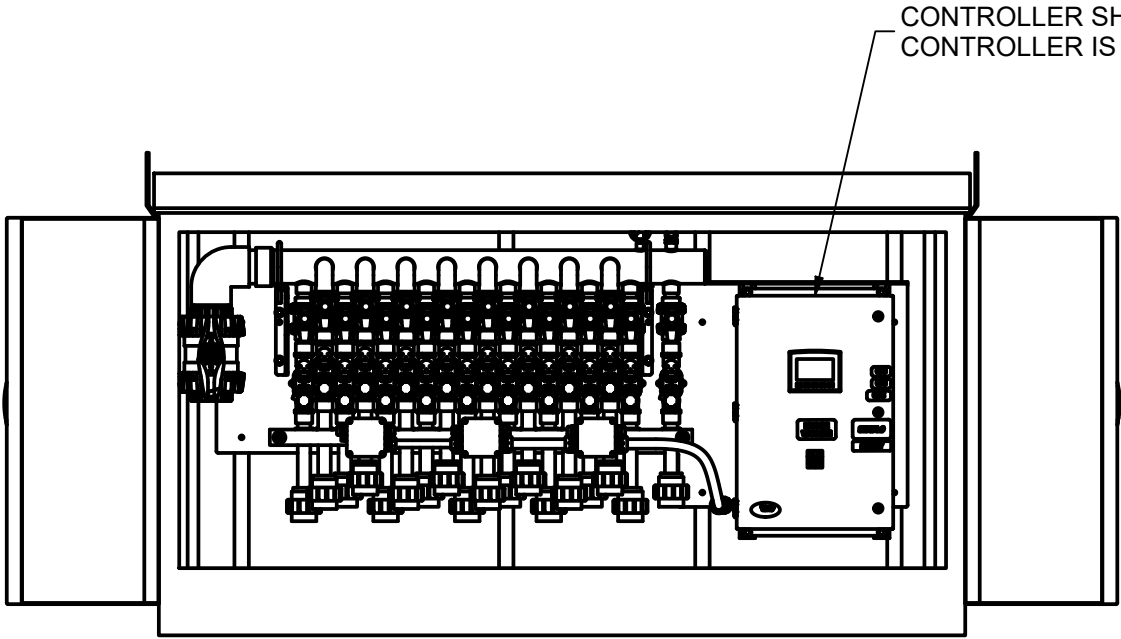
REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.

SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.

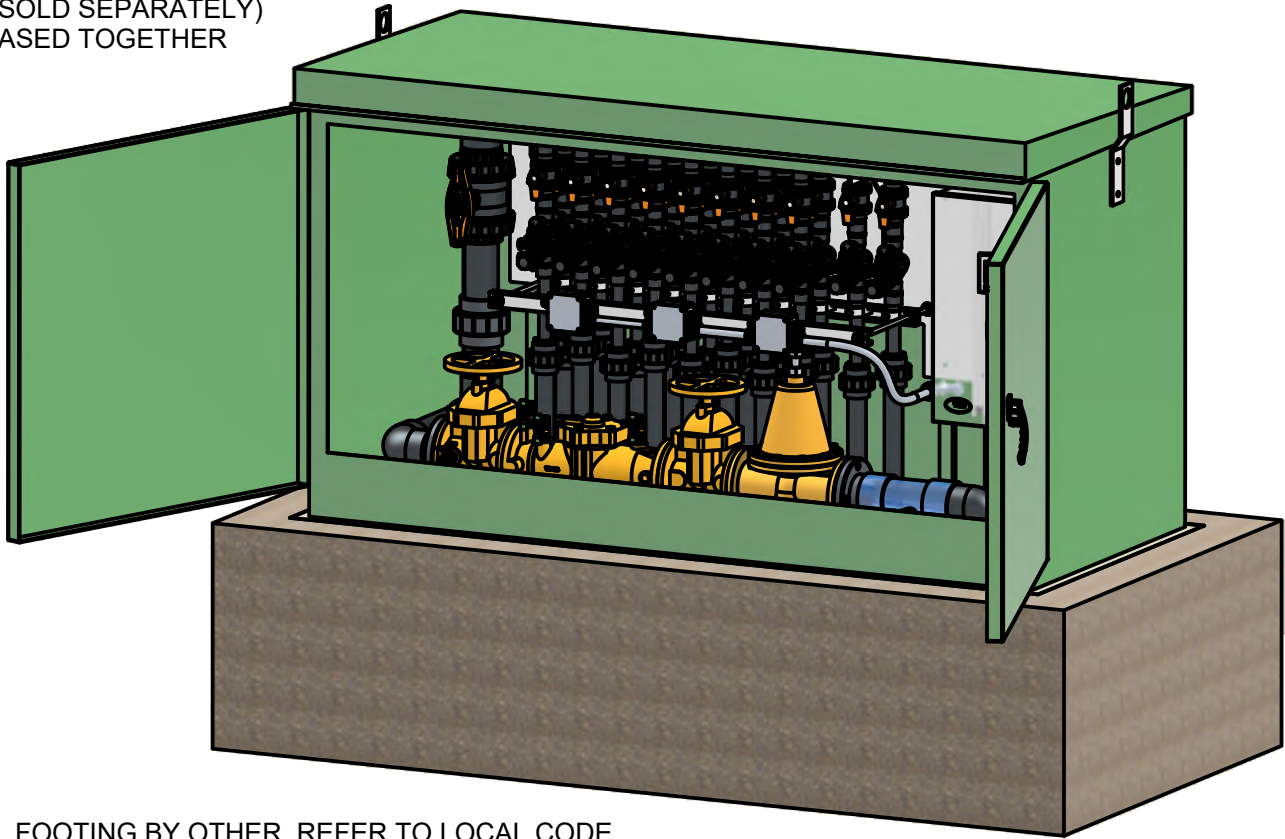
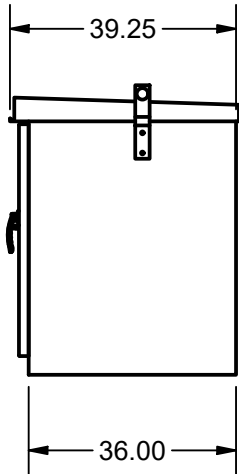
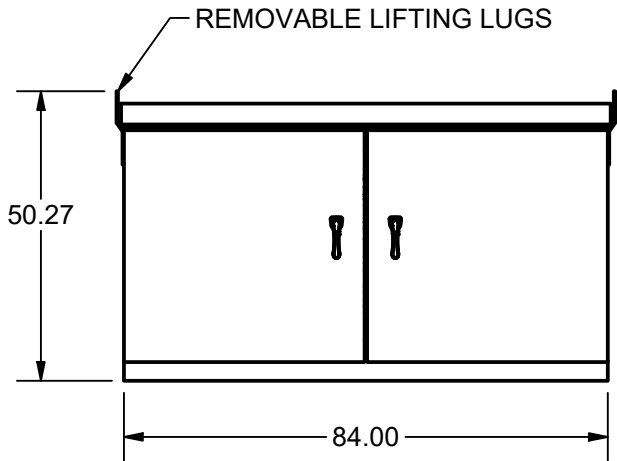
805 CROWLEY AVE.  
KELOWNA, BRITISH COLUMBIA  
CANADA, V1Y 7G6  
P: 250-712-3393  
F: 250-861-4814  
E: design@waterplay.com  
W: waterplay.com

ITEM	PART ID	REV	DESCRIPTION	MATERIAL	QTY
1	C06-AG018-A	C	CABINET 18 VALVE AGU ASSEMBLY		1

REV	DESCRIPTION	DATE
A	INITIAL RELEASE	6/24/2020
B	CHANGED FITTINGS	3/29/2022
C	CHANGED TO 3IN MANIFOLD HEADER	11/8/2022





DOORS OPEN

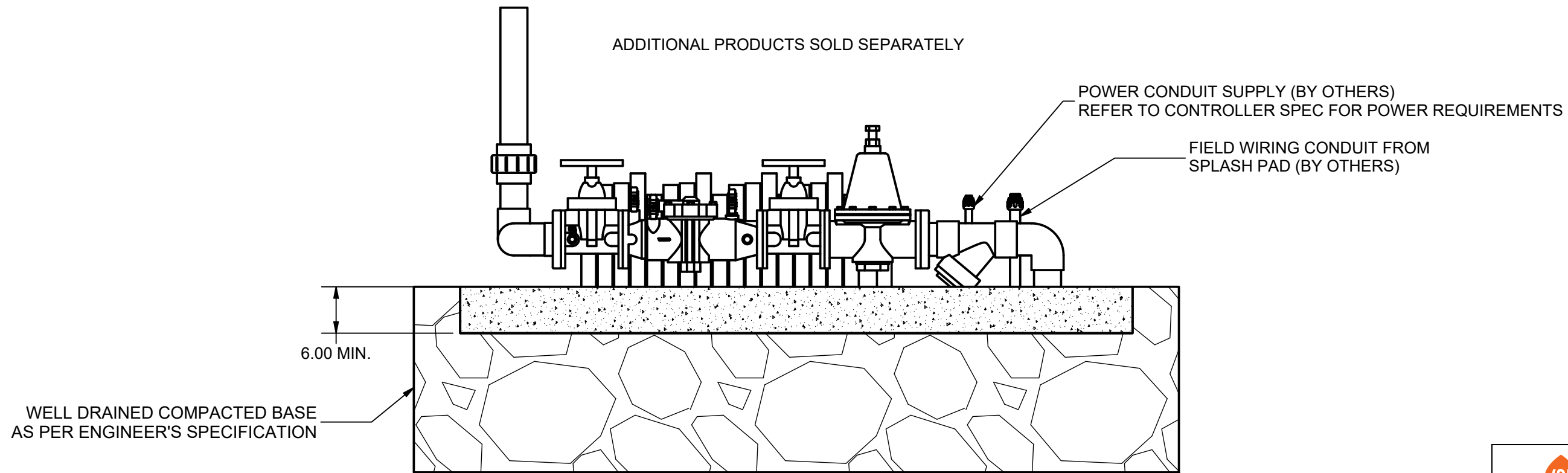
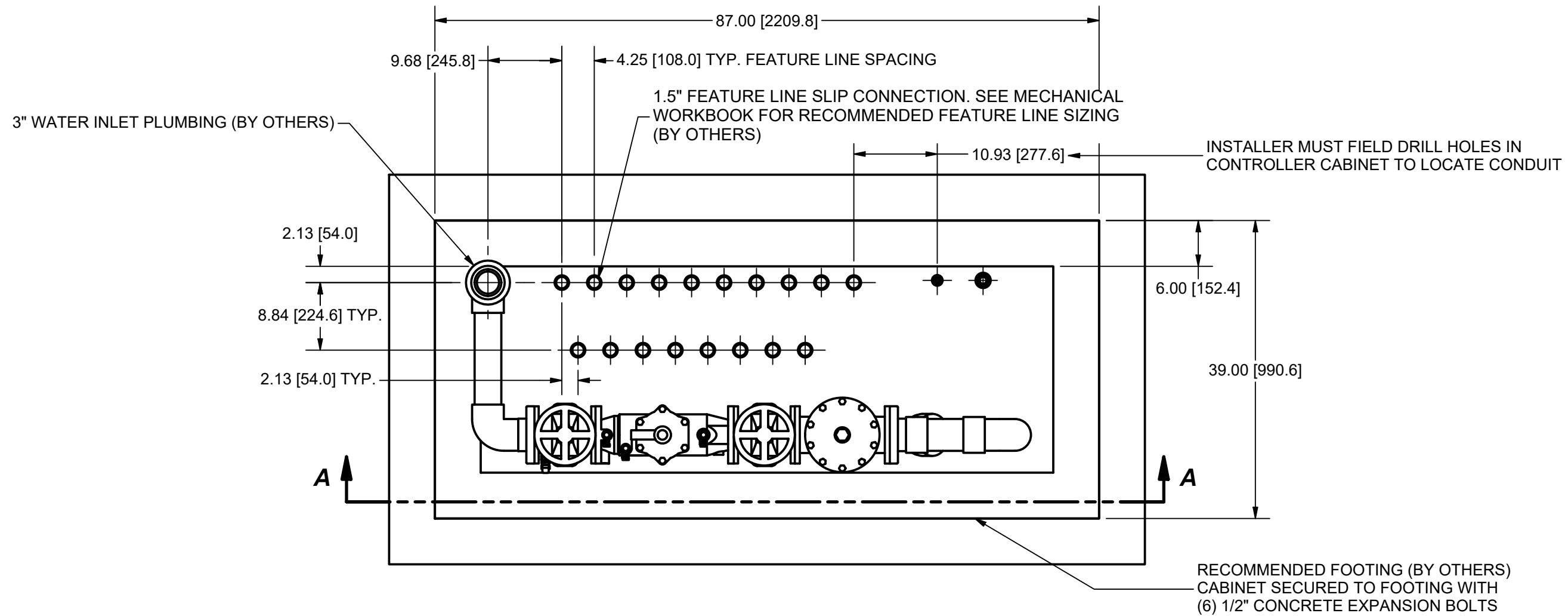


FOOTING BY OTHER, REFER TO LOCAL CODE  
ADDITIONAL PRODUCTS SOLD SEPARATELY

**NOTES:**  
ALL PIPING LOCATING DIMENSIONS APPROXIMATION ONLY  
ALL CONNECTION PIPING TO WATERPLAY COMPONENTS & WATER INLET (BY OTHERS)  
CONNECTIONS AS PER LOCAL CODING  
WATERPLAY RECOMMENDS A WELL DRAINED BASE AND/OR DRAIN INSIDE THE CABINET  
MAXIMUM FLOW OF 180 GPM (681 LPM)

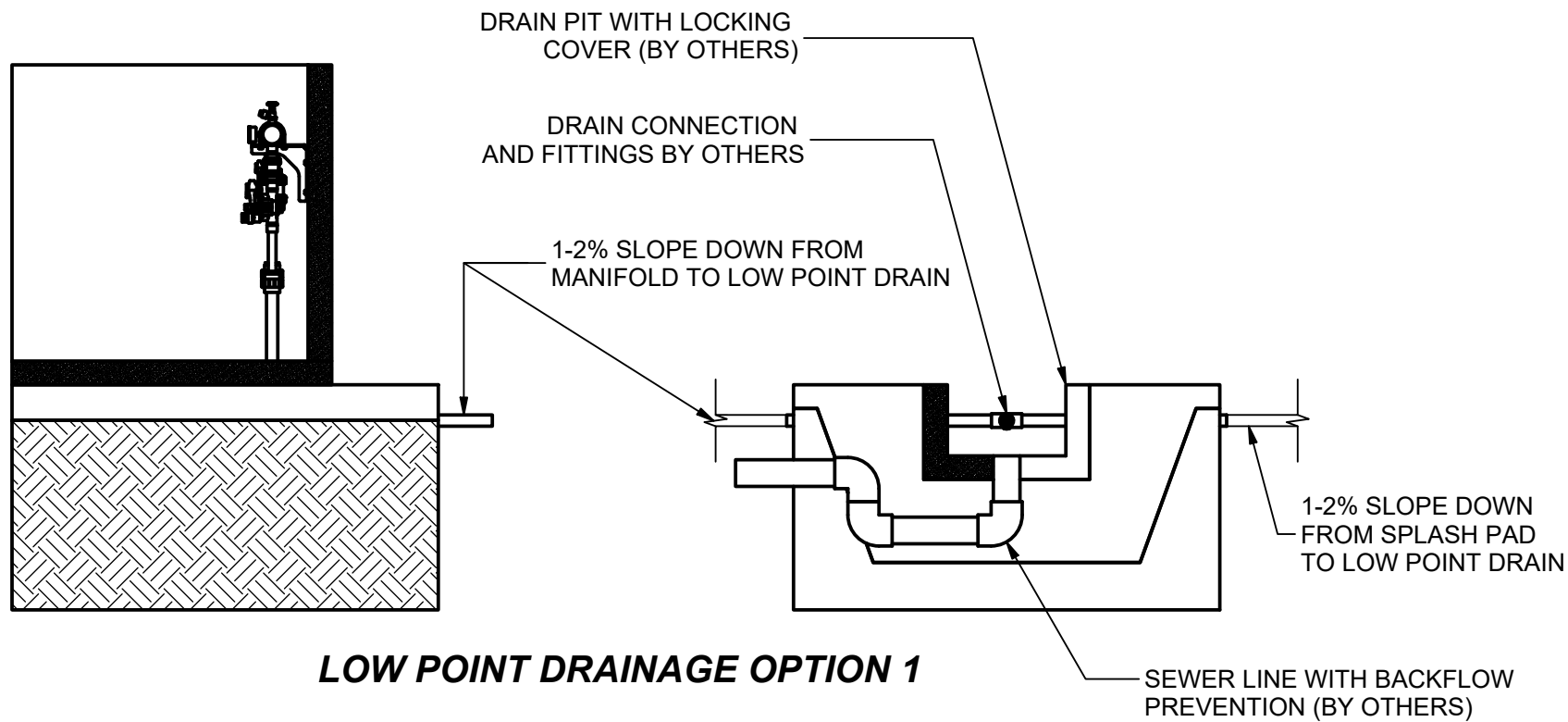
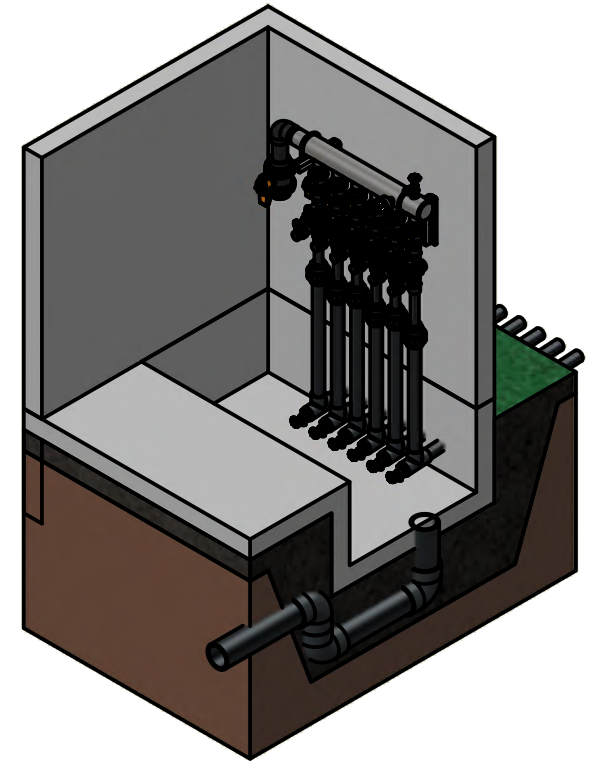
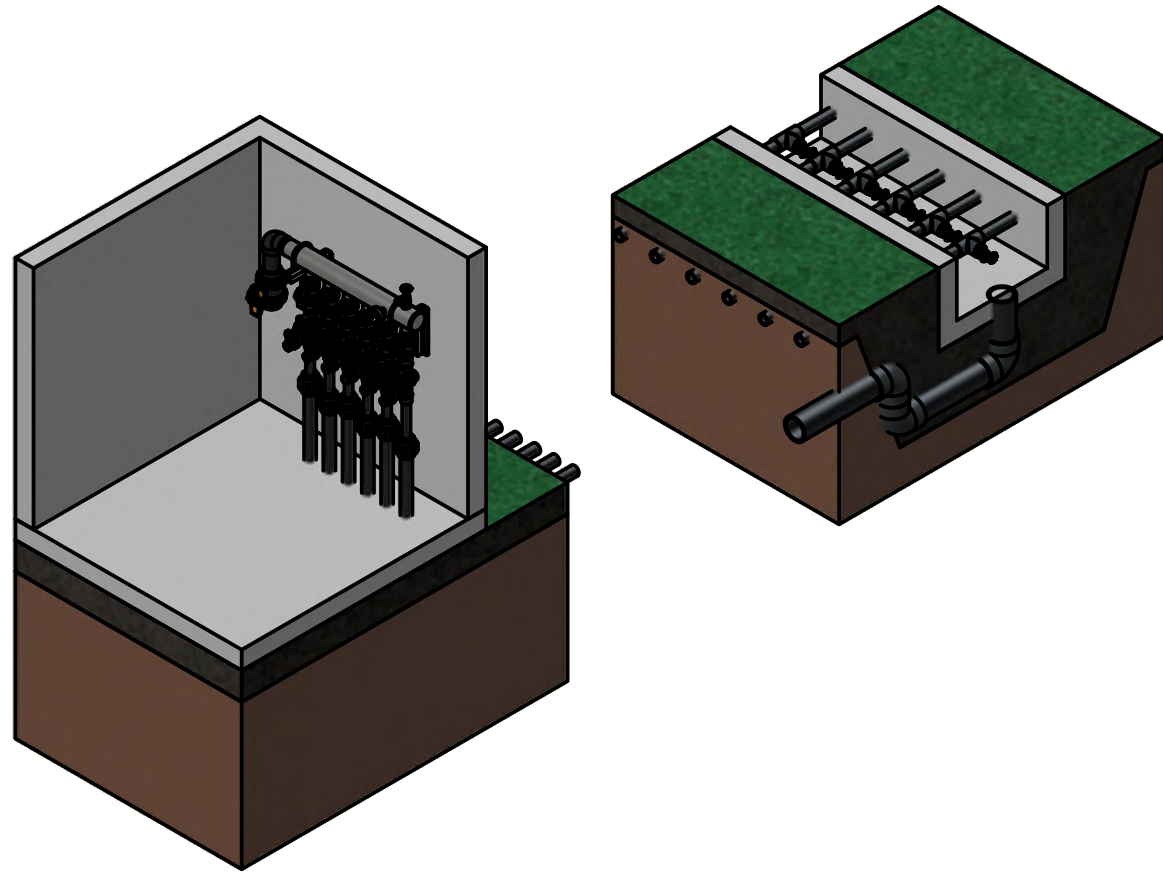
**OPTIONAL ADD-ONS (SOLD SEPARATELY), INSTALLED BY OTHERS**  
0000-1738: 3" PRESSURE REDUCING VALVE  
0000-1737: 3" DOUBLE CHECK VALVE

<b>TORQUE VALUES UNLESS NOTED</b> 1/4-20...63 in-lbs 1/2-13...37 ft-lbs 3/8-16...201 in-lbs		<b>MASS:</b> 609.2 lbmass		<b>TOLERANCES UNLESS NOTED</b> .X ±0.5 .XX (>10) ±0.05 .XX (<10) ±0.01 .XXX ±0.005 ANGULAR ±1° SURFACE FINISH 63µ in.		<b>DESIGNED:</b> JASMAY		<b>CABINET 18 VALVE AGU INSTALL</b>									
<b>ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WMI MANUFACTURING CORPORATION AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.</b>						<b>DRAWN:</b> JASMAY		<b>CHECKED:</b> KYLUC		<b>WATER MANAGEMENT</b>							
		805 CROWLEY AVE. KELOWNA, BC CANADA V1Y 7G6 P: 250-979-7205 F: 250-979-7215		<b>THIRD ANGLE PROJECTION</b> 		<b>DATE:</b> 5/21/2020		<b>DWG ID:</b> C06-AG018		<b>REV:</b> C		<b>SIZE:</b> B		<b>SCALE:</b> NTS		<b>SHEET:</b> 1 <b>OF:</b> 3	

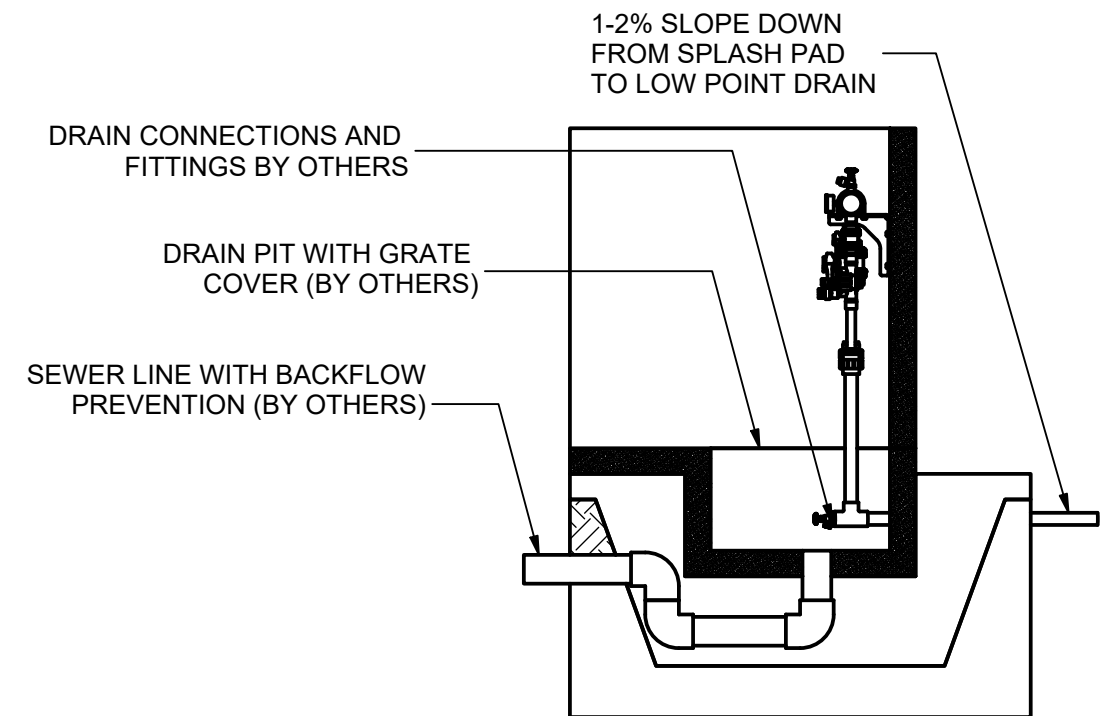


FOOTING BY OTHER, REFER TO LOCAL CODE

USE IN CONJUNCTION WITH SHEET NO. 1				805 CROWLEY AVE. KELOWNA, BC CANADA, V1Y 7G6 P: 250-979-7205 F: 250-979-7215	
THIRD ANGLE PROJECTION		DWG ID: <b>C06-AG018</b>	REV: <b>C</b>	SIZE: <b>B</b>	SCALE: <b>NTS</b>
				SHEET: <b>2</b>	OF: <b>3</b>



**LOW POINT DRAINAGE OPTION 1**



**LOW POINT DRAINAGE OPTION 2**

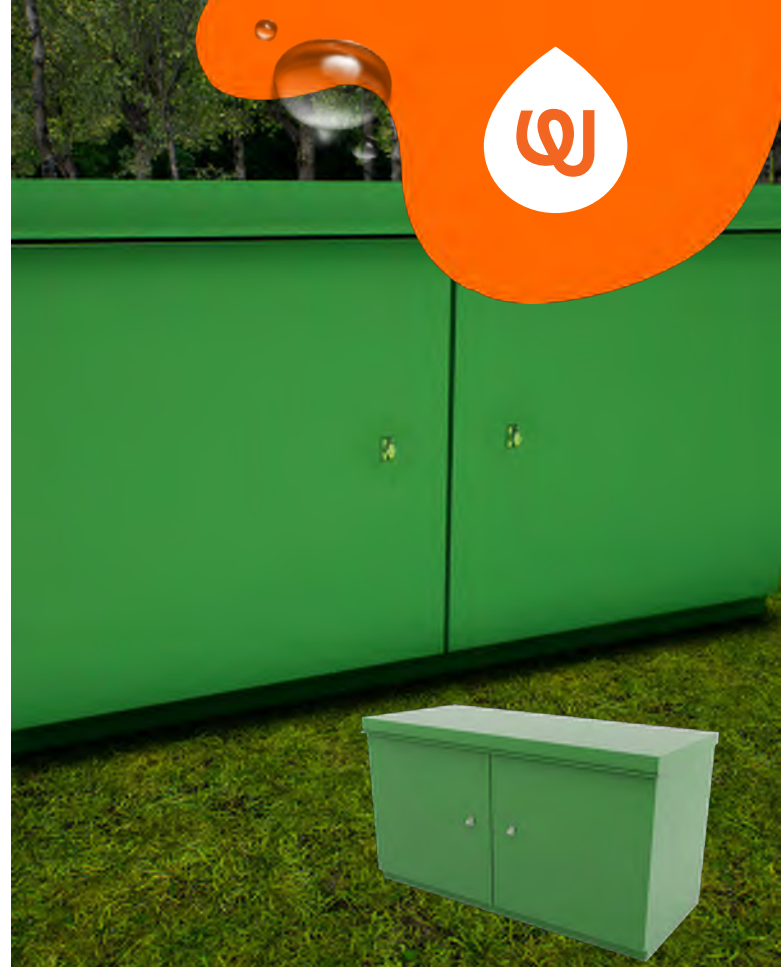
NOTE: LOW POINT DETAILS SHOWN AS RECOMMENDATIONS FOR WINTERIZATION

# ABOVE GRADE KIOSK - 18

C06-AG018



See Specification Sheet for product data.



## BEST PRACTICES

Work with our in-house support teams to learn more about how to optimize flow rates for the best play experience for your project.

## HIGHLIGHTS:

The above grade kiosk is a complete solution for medium to large sized potable spray parks where simple automated operation is required.

- Aluminum construction
- Preassembled with manifold
- Integrates with the smartPLAY™ CONTROLLER
- Tamper resistant with locking provisions (lock not supplied).
- Fits into any space

## OPTIONS:

Available in, 6, 10 and 18 valve manifold configurations to adapt to any project size. (Waterplay smartPLAY™ Controller featuring smartACCESS™ sold separately)

**CATEGORY:** Kiosks & Vaults

**PRODUCT LINE:** Water Management

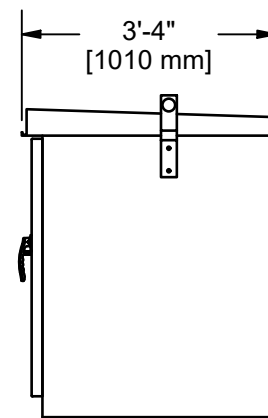
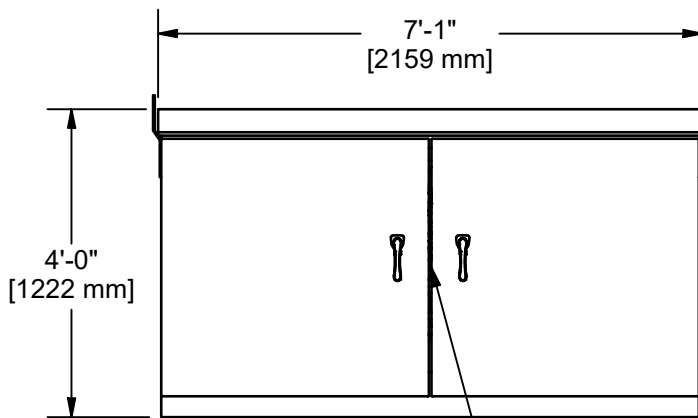
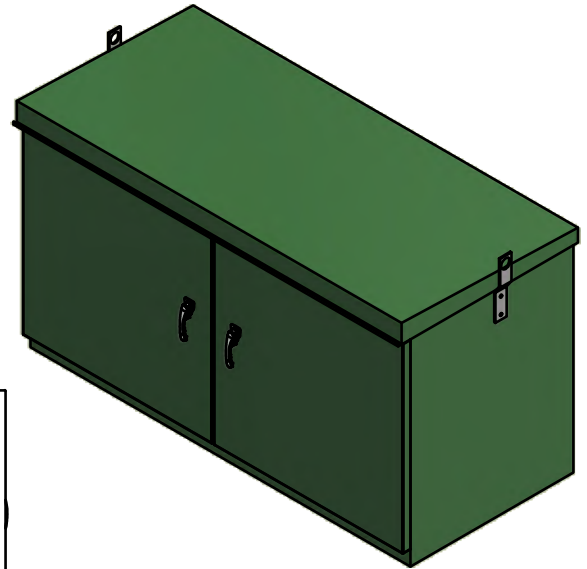
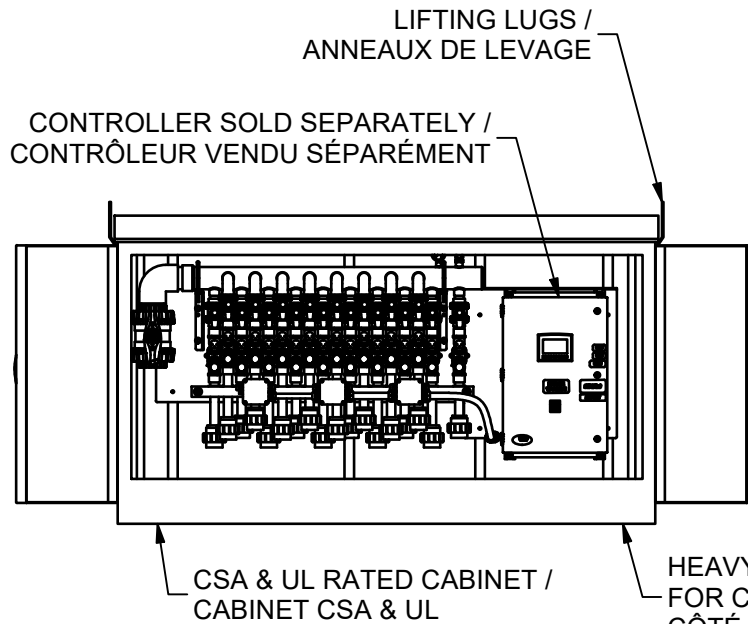


1.800.590.5552 (USA & CAN) | +1 (250) 712.3393 (INTL)  
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# AG CABINET 18 VALVE


C06-AG018



3 POINT DOOR LATCH WITH PADLOCK STYLE LOCKING  
STAINLESS STEEL HANDLE (LOCK NOT INCLUDED) /  
VERROU DE PORTE 3 POINTS AVEC UNE POIGNÉE  
VEROUIILLABLE EN ACIER INOXYDABLE (CADENAS NON INCLUSE)

MAXIMUM FLOW OF 180 GPM (681 LPM) / DÉBIT MAXIMUM DE 180 GPM (681 LPM)

FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

RECOMMENDED SPRAY AREA / ZONE D'ASPERION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa			
-/-	-/-	-/-	-/-	-/-	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	DRAWING ID:	SHEET: 1
NOZZLES / BUSES			MASS: 609.2 lbmass		DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]	C06-AG018	OF: 1
			ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.	
			TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.			SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.	
						805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com	

## For Non-Health Hazard Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series 007

## Double Check Valve Assemblies

**Sizes: ½" – 3" (15 – 80mm)**

Series 007 Double Check Valve Assemblies shall be installed at referenced cross-connections to prevent the backflow of polluted water into the potable water supply. Only those cross-connections identified by local inspection authorities as non-health hazard shall be allowed the use of an approved double check valve assembly.

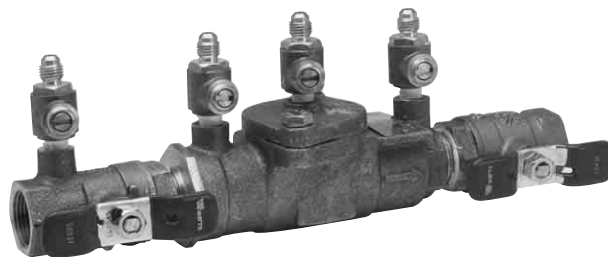
Check with local authority having jurisdiction regarding vertical orientation, frequency of testing or other installation requirements. The valve shall meet the requirements of ASSE Std. 1015 and AWWA Std. C510. Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

### Features

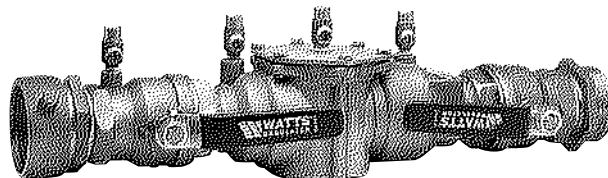
- Ease of maintenance — only one cover
- Top entry
- Replaceable seats and seat discs
- Modular construction
- Compact design
- **Cast bronze body construction** — ½" – 2" (15 – 50mm)
- Fused epoxy coated cast iron body — 2½" – 3" (65 – 80mm)
- Top mounted ball valve test cocks
- Low pressure drop
- No special tools required for servicing
- ½" – 1" (15 – 25mm) have tee handles

### Specifications

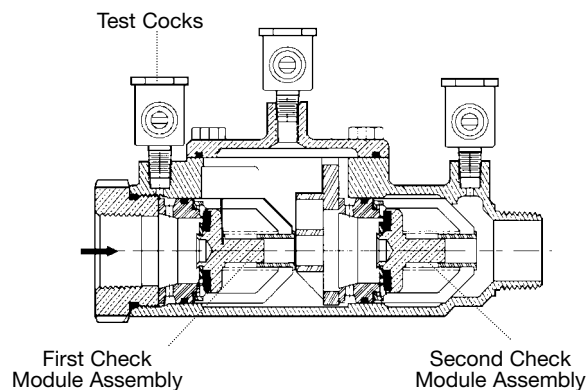
A Double Check Valve Assembly shall be installed at each noted location. The assembly shall consist of two positive seating check modules with captured springs and rubber seat discs. The check module seats and seat discs shall be replaceable. Service of all internal components shall be through a single bronze or stainless steel access cover secured with stainless steel bolts. The assembly shall also include two resilient seated isolation valves; four top mounted, resilient seated test cocks. The assembly shall meet the requirements of ASSE Std. 1015 and AWWA Std. C510. Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California. Assembly shall be a Watts Series 007.



¾" (20mm) 007M3QT



2" (50mm) 007M1QT HC



The 007 Series features a modular design concept which facilitates complete maintenance and assembly by retaining the spring load.

**Now Available**  
**WattsBox Insulated Enclosures.**  
 For more information, send for literature ES-WB.

**IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES  
 FOR LOCAL INSTALLATION REQUIREMENTS**

## Pressure — Temperature

½" – 2" (15 – 50mm)

Temperature Range: 33°F – 180°F (0.5°C – 82°C).

Maximum Working Pressure: 175psi (12.1 bar).

2½" – 3" (65 – 80mm)

Temperature Range: 33°F – 110°F (0.5°C – 43°C) continuous,  
140°F (60°C) intermittent.

Maximum Working Pressure: 175psi (12.1 bar).

## Standards

ASSE Std. 1015, AWWA Std. C510

IAPMO PS31, CSA B64.5

## Approvals



† ASSE, AWWA, IAPMO, CSA, UPC

▲ Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

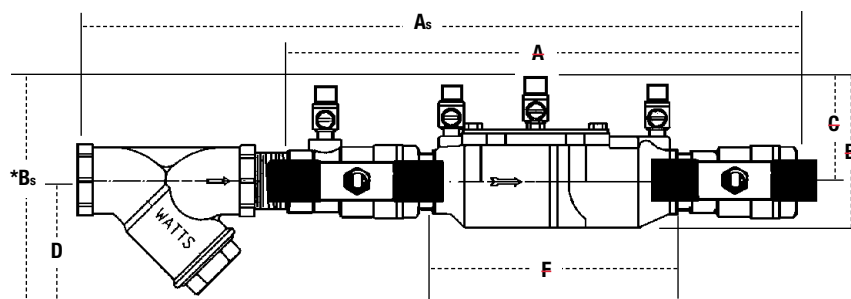
- Models LF and S are not listed.
- ◆ UL Classified (LF models only) ¾" – 2" (20 – 50mm) (except 007M3LF)
- ◆ UL Classified with OSY gate valves (2½" and 3" horizontal only.)

\* Horizontal and vertical "flow up" approval on all sizes

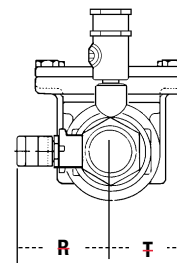
## Dimensions – Weights

### Models

Sizes: ½" – 2" (15 – 50mm)



\*Subscript 'S' = strainer model

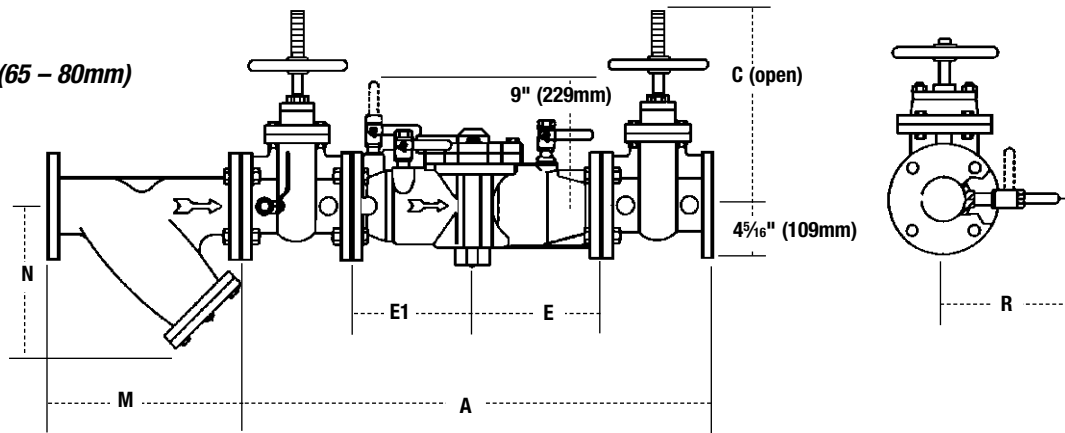


Suffix HC — Fire Hydrant Fittings dimension "A" = 23½" (594mm)

MODEL	SIZE (DN)		DIMENSIONS												WEIGHT					
	in.	mm	A		B		C		D		F		G		R		T		lbs.	kgs.
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
†▲007QT	½	15	10	254	4⅝	117	2⅞ <sub>16</sub>	62	—	—	5	127	3⅝	85	2⅞ <sub>16</sub>	59	2⅞ <sub>16</sub>	52	4.5	2
†▲007M3QT	¾	20	11⅞	282	4	102	3⅝	79	—	—	6⅜ <sub>16</sub>	157	3⅞ <sub>16</sub>	87	2⅞	54	1⅞ <sub>16</sub>	33	5	2.3
†▲007M1QT	1	25	13¼	337	5⅞	130	4	102	—	—	7½	191	3⅝	85	1⅞ <sub>16</sub>	43	1⅞ <sub>16</sub>	43	12	5.4
†▲007M2QT	1¼	32	16⅜	416	5	127	3⅞ <sub>16</sub>	84	—	—	9½	241	5	127	3	76	2	50	15	6.8
†▲007M2QT	1½	40	16¾	425	4⅞	124	3½	89	—	—	9¾	248	5⅜ <sub>16</sub>	148	3⅞	79	2⅞ <sub>16</sub>	68	15.9	7.2
†▲007M1QT	2	50	19½	495	6¼	159	4	102	—	—	13⅜	340	6⅞	156	3⅞ <sub>16</sub>	87	2⅞ <sub>16</sub>	68	25.7	11.7
• 007QT-S	½	15	13	330	6	152	2⅞ <sub>16</sub>	62	3	76	5	127	3⅝	85	2⅞ <sub>16</sub>	59	2⅞ <sub>16</sub>	52	5.5	2.5
• 007M3QT-S	¾	20	14½	368	6⅞	156	3⅝	79	3	76	6⅜ <sub>16</sub>	157	3⅞ <sub>16</sub>	87	2⅞	54	1⅞ <sub>16</sub>	33	6.7	3.1
• 007M1QT-S	1	25	17⅞ <sub>16</sub>	157	7¾	197	4	102	3¼	83	7½	191	3⅝	85	1⅞ <sub>16</sub>	43	1⅞ <sub>16</sub>	43	14	6.4
• 007M2QT-S	1¼	32	21½	546	7⅞ <sub>16</sub>	179	3⅞ <sub>16</sub>	84	3½	83	9½	241	5	127	3	76	2	50	19	8.6
• 007M2QT-S	1½	40	25⅞ <sub>16</sub>	637	7⅞ <sub>16</sub>	179	3½	89	3¼	95	9¾	248	5⅜ <sub>16</sub>	148	3⅞	79	2⅞ <sub>16</sub>	68	19.6	8.9
• 007M1QT-S	2	50	27¼	692	8¾	222	4	102	4	102	13⅜	340	6⅞	156	3⅞ <sub>16</sub>	87	2⅞ <sub>16</sub>	68	33.5	15.2

## Dimensions – Weights

Sizes: 2½" – 3" (65 – 80mm)



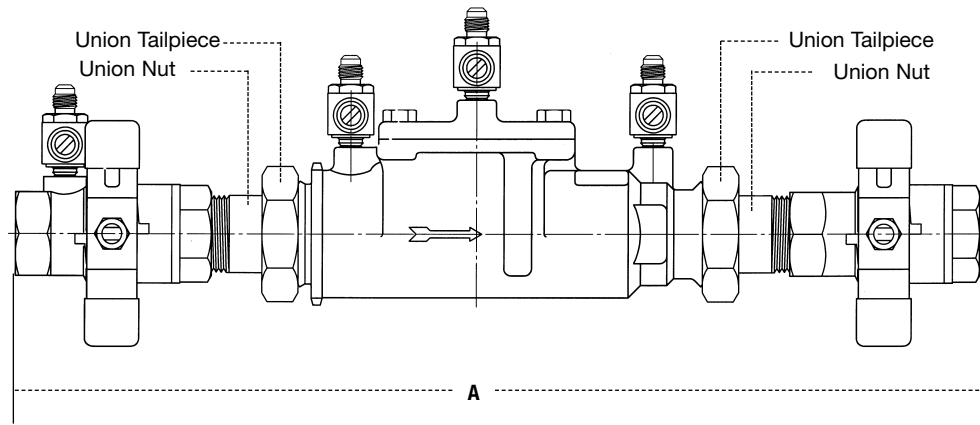
MODEL	SIZE (DN)		DIMENSIONS								WEIGHT	
	in.	mm	A		C		E, E1		R		lbs.	kgs.
007QT-FDA	2½	65	33⅞	841	6⅜	162	9⅛	230	8¾	222	155	70
▲ 007-NRS	2½	65	33⅞	841	9⅞	238	9⅛	230	8¾	222	155	70
▲◆ 007-OSY	2½	65	33⅞	841	16⅞	416	9⅛	230	8¾	222	158	72
007-QT-FDA	3	80	34⅞	867	6⅜	162	9⅛	230	8¾	222	155	70
▲◆ 007-NRS	3	80	34⅞	867	10¼	260	9⅛	230	8¾	222	185	84
▲ 007-OSY	3	80	34⅞	867	18⅞	479	9⅛	230	8¾	222	185	84

### Strainer Dimensions

SIZE				WEIGHT			
in.	mm	M	N	in.	mm	lbs.	kgs.
2½	65	10	254	6½	165	28	13
3*	80	10⅞	267	7	178	34	15

\*S Models only

### 1" U007M1QT



Sizes: ½" – 2" (15 – 50mm)

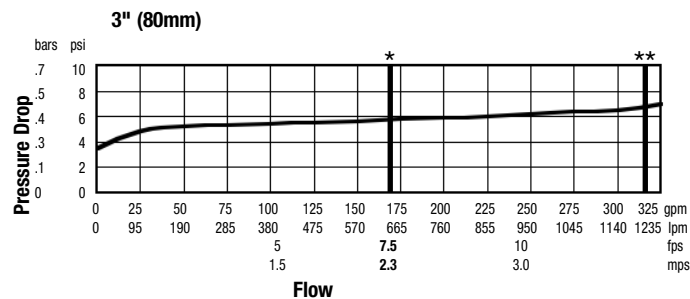
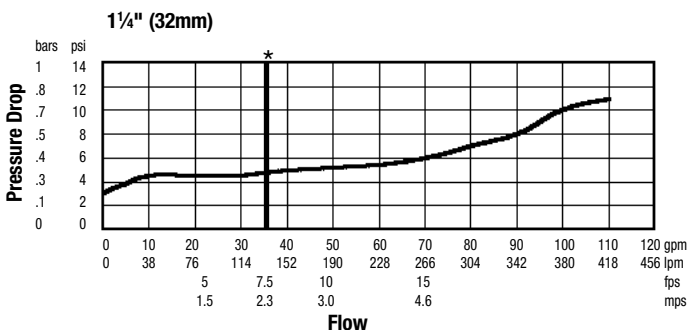
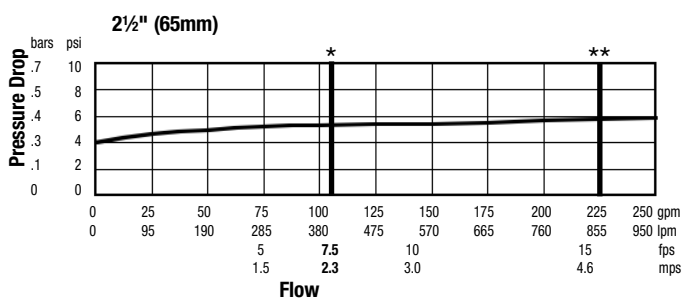
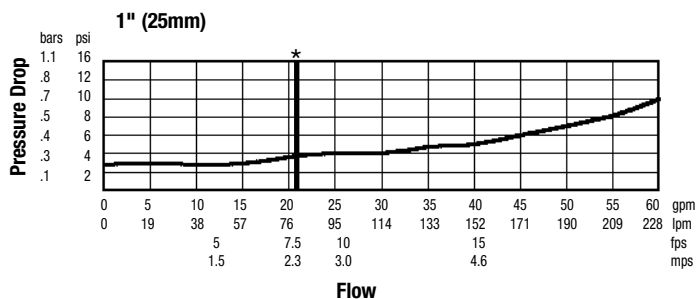
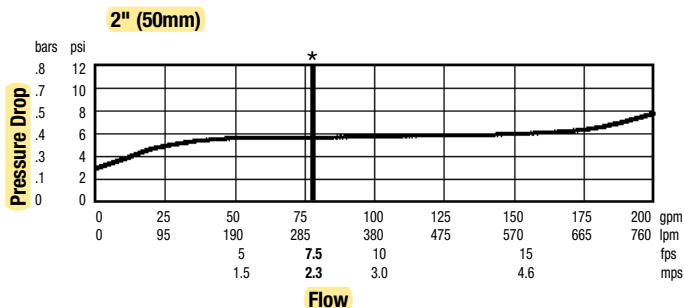
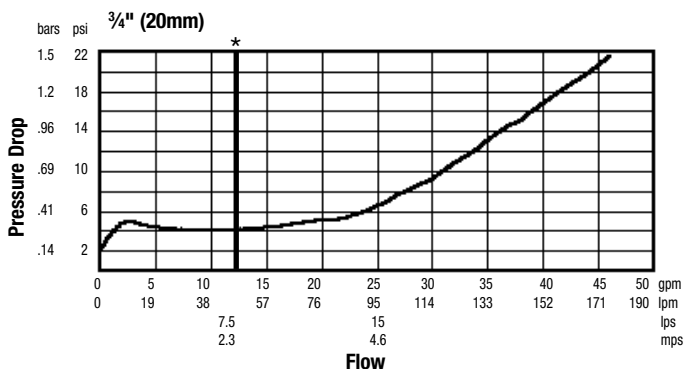
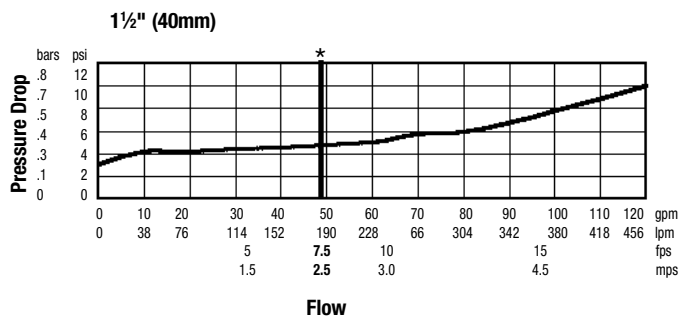
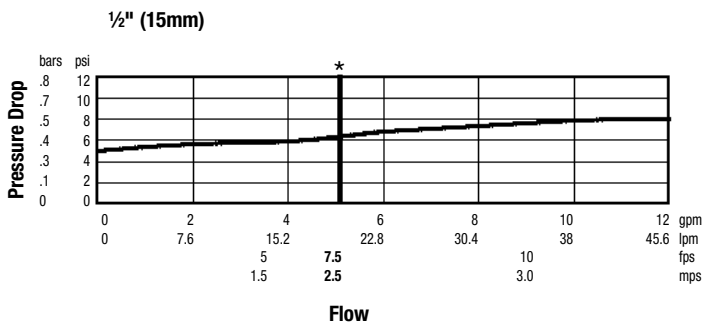
MODEL	SIZE (DN)		DIMENSIONS	
	in.	mm	A	
U007QT	½	15	12⅓⅛	326
U007M2QT	¾	20	13⅓⅛	350
U007M2QT	1	25	16⅞	422
U007M2QT	1¼	32	20¾	527
U007M2QT	1½	40	21½	546
U007M1QT	2	50	24½	622

# Capacity

As compiled from documented Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California lab tests.

\* Typical maximum system flow rate (7.5 feet/sec., 2.3 meters/sec.)

\*\* UL rated flow



A Watts Water Technologies Company



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Canada: Burlington, ONT. • (905) 332-4090 • Fax: (905) 332-7068 • [www.wattscanada.ca](http://www.wattscanada.ca)

## For Residential and Commercial Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# LEAD FREE\*

## Series LF25AUB-Z3 Water Pressure Reducing Valves\*\*

Sizes: ½" – 2"

Series LF25AUB-Z3 Water Pressure Reducing Valves are designed to reduce incoming water pressure to a sensible level to protect plumbing system components and reduce water consumption. This series is suitable for water supply pressures up to 300psi (20.7 bar) and may be adjusted from 25 – 75psi (172 – 517 kPa). The LF25AUB-Z3 features Lead Free\* construction to comply with Lead Free\* installation requirements. The standard setting is 50psi (345 kPa). All parts are quickly and easily serviceable without removing the valve from the line. The standard bypass feature permits the flow of water back through the valve into the main when pressures, due to thermal expansion on the outlet side of the valve, exceed the pressure in the main supply.

### Features

- Standard construction includes Z3 sealed spring cage and stainless steel corrosion resistant adjusting & cage screws
- Union inlet connection
- Integral stainless steel strainer
- Replaceable seat module
- Lead Free\* cast copper silicon alloy construction
- Serviceable in line
- Bypass feature controls thermal expansion pressure\*\*\*
- High temperature resistant reinforced diaphragm for hot water

### Specifications

A Water Pressure Reducing Valve with integral strainer shall be installed in the water service pipe near its entrance to the building where supply main pressure exceeds 60psi (413 kPa) to reduce it to 50psi (345 kPa) or lower. The water pressure reducing valve shall be constructed using Lead Free\* materials. Lead Free\* regulators shall comply with state codes and standards, where applicable, requiring reduced lead content. The valve shall feature a Lead Free\* cast copper silicon alloy suitable for water supply pressures up to 300psi (20.7 bar). Provision shall be made to permit the bypass flow of water back through the valve into the main when pressures, due to thermal expansion on the outlet side of the valve, exceed the pressure in the main supply. Water Pressure Reducing Valve with built-in bypass check valves will be acceptable. Approved valve shall be listed to ASSE 1003 and IAPMO and certified to CSA B356. Valve shall be a Watts Series LF25AUB-Z3.

### NOTICE

Product is for interior or exterior applications. Product should not be buried directly in the ground. For exterior applications where the valve will be situated in a vault or pit or be in contact with the ground, the valve should be installed in a meter box/vault, accessible for repair and adjustment, per local code.

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

LF25AUB-Z3



Bypass valve assembly for 1¼" – 2" (32 – 50mm) sizes

Union inlet connection

Integral stainless steel strainer

EPDM diaphragm

Bypass for ½" – 1" (15 – 25mm) sizes

Replaceable seat module

### Materials

Body:	Lead Free* copper silicon alloy
Seat:	½"–1" (15–25mm) Replaceable engineered polymer (10% glass filled Noryl®)
	1¼"–2" (32–50mm) Replaceable stainless steel
Integral Strainer:	Stainless steel
Diaphragm:	Reinforced EPDM with PTFE wetted surface
Valve Disc:	EPDM

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

\*\*A water saving test program concluded that reducing the supply pressure from 80-50psi (551-345 kPa) resulted in a water savings of 30%.

\*\*\*The bypass feature will not prevent the pressure relief valve from opening on the hot water supply system with pressure above 150psi (10.3 bar).

## Pressure – Temperature

Temperature Range: 33°F – 160°F (0.5°C – 71°C)

Maximum Working Pressure: 300psi (20.7 bar)

Adjustable Reduced Pressure Range: 25–75psi (172 – 517 kPa)

Standard Reduced Pressure Setting: 50psi (345 kPa)

## Options

### Add Suffix

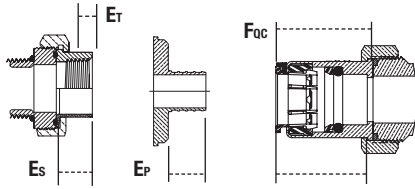
- “ ” Threaded female union inlet x NPT female outlet
- S Solder union inlet x NPT female outlet
- QC Quick-Connect union inlet (½", ¾", 1")
- LF Double union body less fittings (¾", 1", 1¼")
- w/press\*\*\*\* Press inlet x press outlet (non union)
- DU Double Union – NPT threaded union female inlet and outlet
- S-DU Double Union –Solder union inlet and outlet
- DU-PEX Double Union –PEX union inlet and outlet
- DU-QC Double Union – Quick-Connect inlet and outlet (½", ¾", 1")
- G Gauge tapping, ¼"
- GG Gauge tapping and 160psi (11 bar) gauge
- HP High pressure range 75–125psi (5.2 – 8.6 bar) †
- LP Low pressure range 10–35psi (69 – 241 kPa) †
- Z7 400psi (27.6 bar) initial pressure, ½" models only
- Z6 Water meter threaded connections and 7½" (190mm) lay length for new or existing meter box installations, For ⅝", ⅝" x ¾" or ¾" meter setters or resetters

† Not available on G or GG models

Noryl® is a registered trademark of SABIC Innovative Plastics™

\*\*\*\*Viega ProPress® connections are optional factory installed fittings on each end of the approved/certified assembly.

## Dimensions – Weights



- A - LF25AUB-Z3
- A<sub>1</sub> - LF25AUB-S-Z3
- A<sub>2</sub> - LF25AUB-DU-LF-Z3
- B - LF25AUB-DU-Z3
- B<sub>1</sub> - LF25AUB-S-DU-Z3
- B<sub>2</sub> - LF25AUB-DU-THDxPEX-Z3
- E<sub>T</sub> - NPT Engagement for tight joint
- E<sub>S</sub> - Female sweat socket depth
- E<sub>P</sub> - PEX end connection
- F<sub>OC</sub> - Quick-Connect union

SIZE			DIMENSIONS											
<i>in.</i>	<i>A</i>		<i>A</i> <sub>1</sub>		<i>A</i> <sub>2</sub>		<i>B</i>		<i>B</i> <sub>1</sub>		<i>B</i> <sub>2</sub>		<i>C</i>	
	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>
½	5⅝	137	5⅞	135	5⅞	132	6⅞	164	6⅞	162	—	—	7	178
¾	5⅞	135	5½	140	5¼	133	6½	165	6⅞	175	6¾	171	7	178
1	6	152	6¼	159	5⅞	149	7⅞	187	7⅞	198	7⅞	195	8	203
1¼	8¾	222	8⅞	227	8¼	210	10¾	273	11	279	—	—	9	229
1½	8¾	222	9	229	8¼	210	10¾	273	11⅞	284	—	—	9½	241
2	9¼	235	10	254	8¾	222	11⅞	287	12⅞	322	—	—	11¼	286

SIZE			DIMENSIONS										WEIGHT			
	D		F <sup>Δ</sup>		G		E <sub>T</sub>		E <sub>S</sub>		E <sub>P</sub>		F <sub>OC</sub>			
<i>in.</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>lbs.</i>	<i>kgs.</i>
½	1½	38	9⅞	240	3⅞	79	½	13	½	13	—	—	1½	38	3.5	1.6
¾	1½	38	9⅞	240	3⅞	79	½	13	¾	19	⅝	16	1⅞	42	3.5	1.6
1	1¾	44	10⅞	266	3⅞	92	⅝	16	1⅞	23	1⅞	21	1¾	45	6.5	3.0
1¼	2⅞	54	11⅞	291	3⅞	92	⅝	16	1	25	—	—	—	—	10	4.5
1½	2⅞	60	11⅞	304	4⅞	103	⅝	16	1⅞	28	—	—	—	—	10	4.5
2	3¼	83	13⅞	348	4¾	121	⅝	16	1⅞	34	—	—	—	—	15	6.8

<sup>Δ</sup> Dimension includes optional gauge

Consult factory for dimensions with press connections.



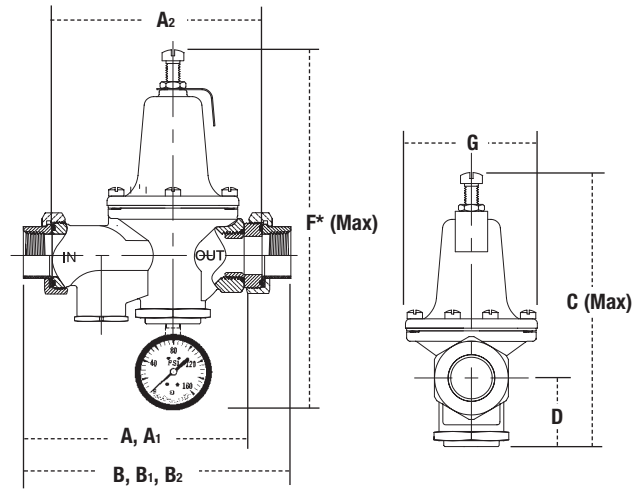
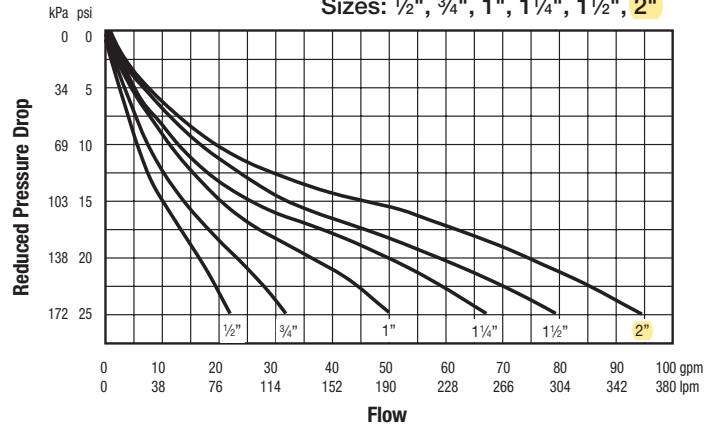
## Standards



Meets requirements of ASSE Standard 1003: ANSI A112.26.2: CSA Standard B356; Southern Standard Plumbing Code and listed by IAPMO. Military Standard MIL-V-18146B Type I.

## Capacity

Sizes: ½", ¾", 1", 1¼", 1½", 2"



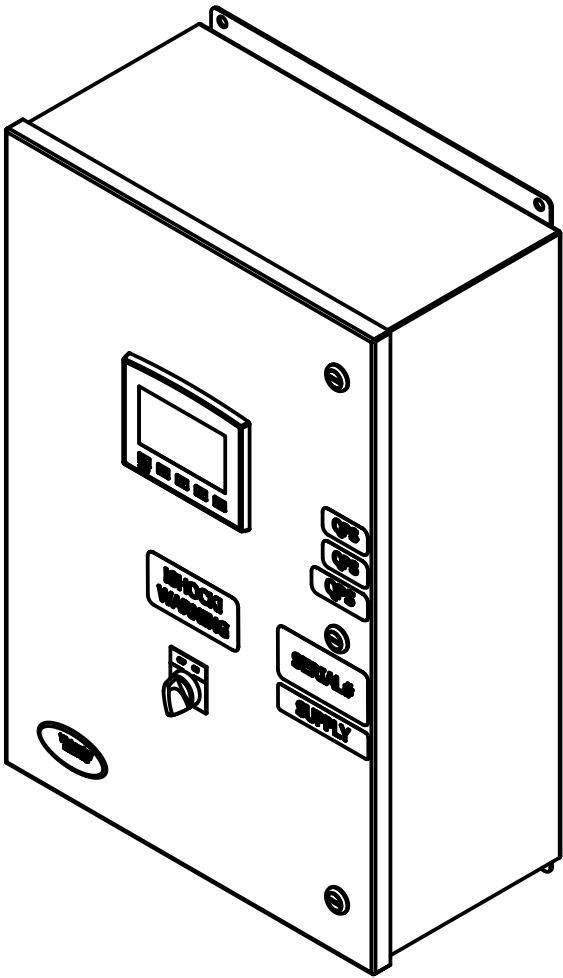
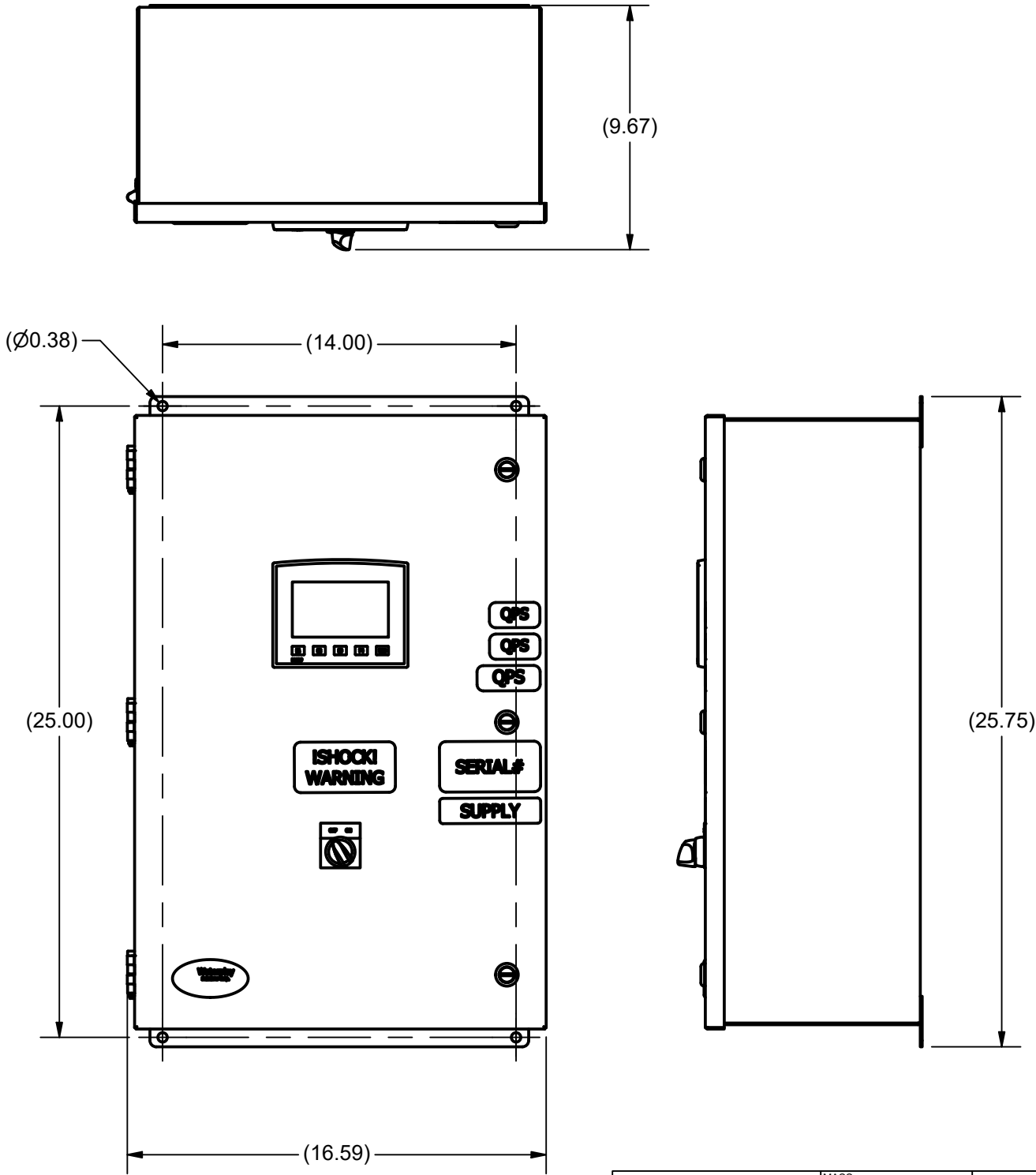
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Canada: T: (905) 332-4090 • F: (905) 332-7068 • Watts.ca

Latin America: T: (52) 81-1001-8600 • Watts.com

ITEM	PART ID	REV	DESCRIPTION	MATERIAL	QTY
1	0010-1954-A	A	POTABLE CONTROLLER ASSEMBLY		1

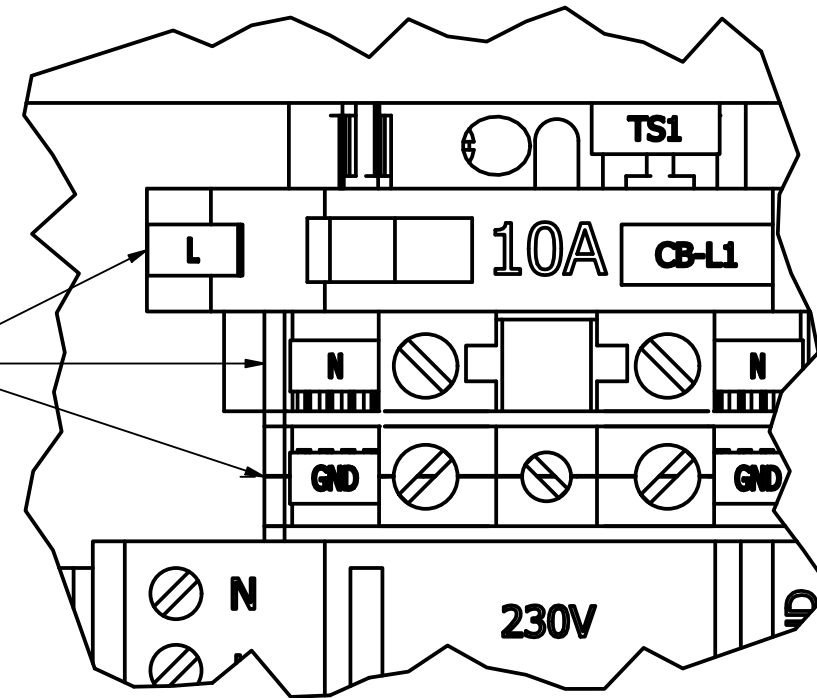
REV	DESCRIPTION	DATE
A	INITIAL RELEASE	3/23/2021
B	PANEL LAYOUT	1/26/2022
C	CHANGED TO 4A BREAKERS	1/26/2022



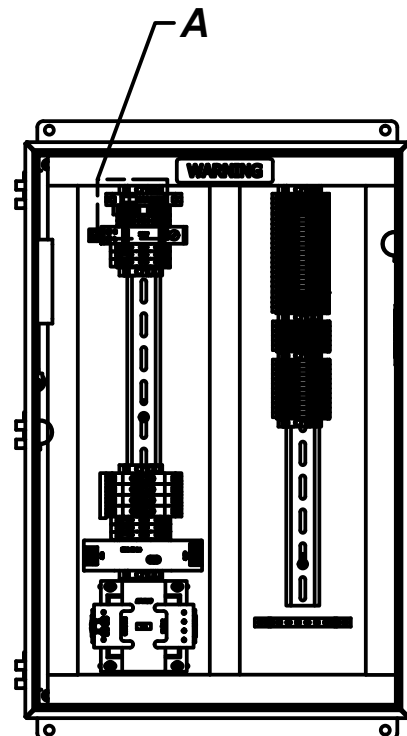
TORQUE VALUES UNLESS NOTED 1/4-20...63 in-lbs    1/2-13...37 ft-lbs 3/8-16...201 in-lbs		MASS: 53.6 lbmass	TOLERANCES UNLESS NOTED .X            ±0.5 .XX (>10)    ±0.05 .XX (<10)    ±0.01 .XXX        ±0.005 ANGULAR     ±1° SURFACE FINISH    63µ in.		DESIGNED: TYRHIR	POTABLE CONTROLLER CONTROLLER WATER MANAGEMENT				
ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WMI MANUFACTURING CORPORATION AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			ALL DIMENSIONS IN INCHES		DRAWN: TYRHIR					
		805 CROWLEY AVE. KELOWNA, BC CANADA, V1Y 7G6 P: 250-979-7205 F: 250-979-7215	THIRD ANGLE PROJECTION		DATE: 2/12/2021	DWG ID: 0010-1954	REV: C	SIZE: B	SCALE: NTS	SHEET: 1 OF: 7

CUSTOMER SUPPLIED POWER

ACCEPTS 120VAC OR \*230VAC\*  
50/60 Hz  
\*TRANSFORMER JUMPER SETTING  
DISPLAYED IN WIRING DIAGRAM\*



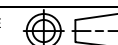
DETAIL A



POWER

USE IN CONJUNCTION WITH SHEET NO. 1

THIRD ANGLE  
PROJECTION



DWG ID:

0010-1954

REV:

C

SIZE:

B

SCALE:

NTS

SHEET:

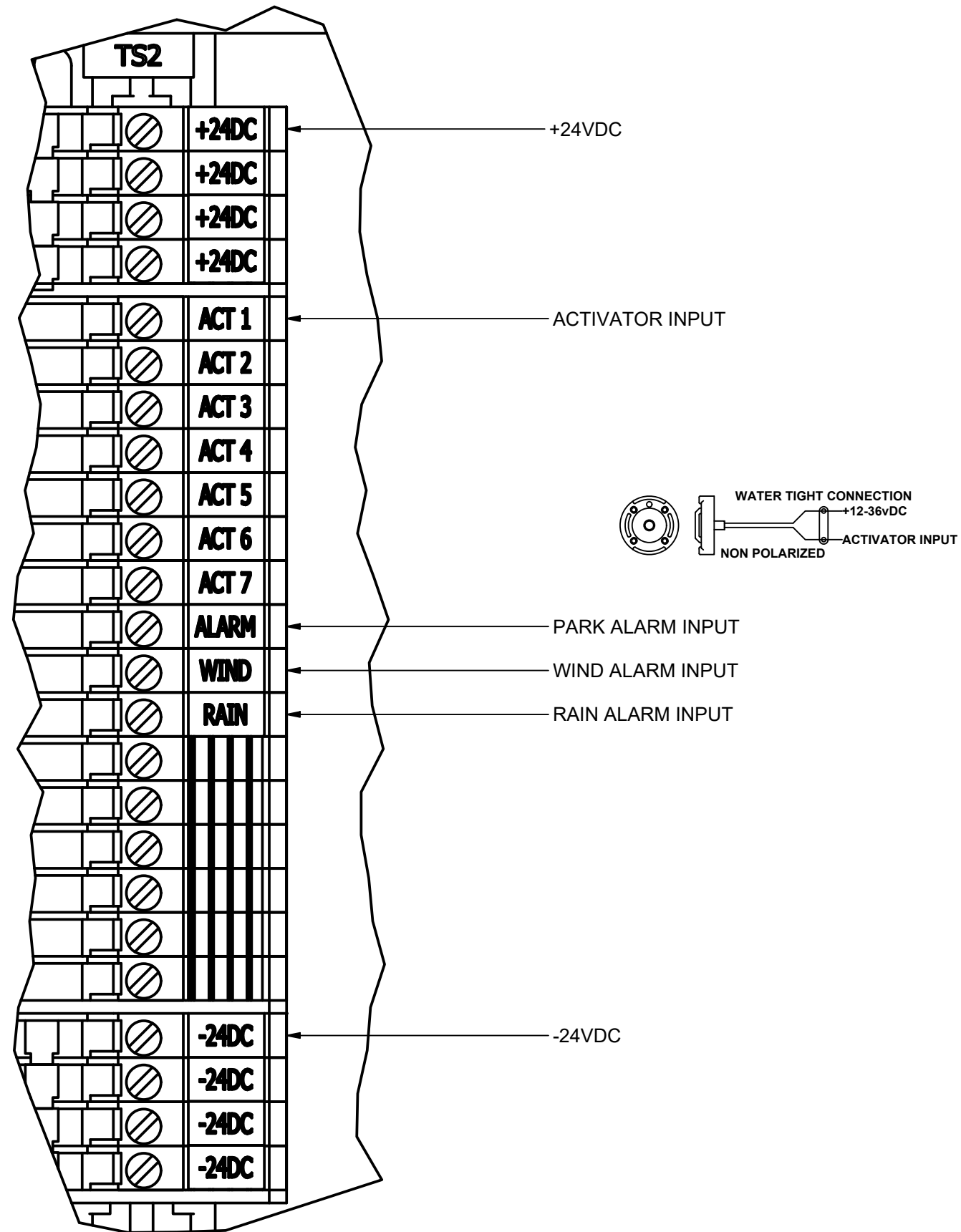
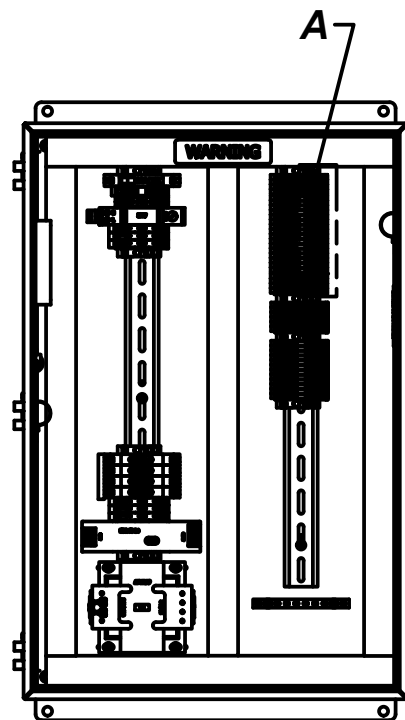
2

OF:

7



805 CROWLEY AVE.  
KELOWNA, BC  
CANADA, V1Y 7G6  
P: 250-879-7205  
F: 250-879-7215



DETAIL A

INPUTS

USE IN CONJUNCTION WITH SHEET NO. 1

THIRD ANGLE  
PROJECTION



DWG ID:

0010-1954

REV:

C

SIZE:

B

SCALE:

NTS

SHEET:

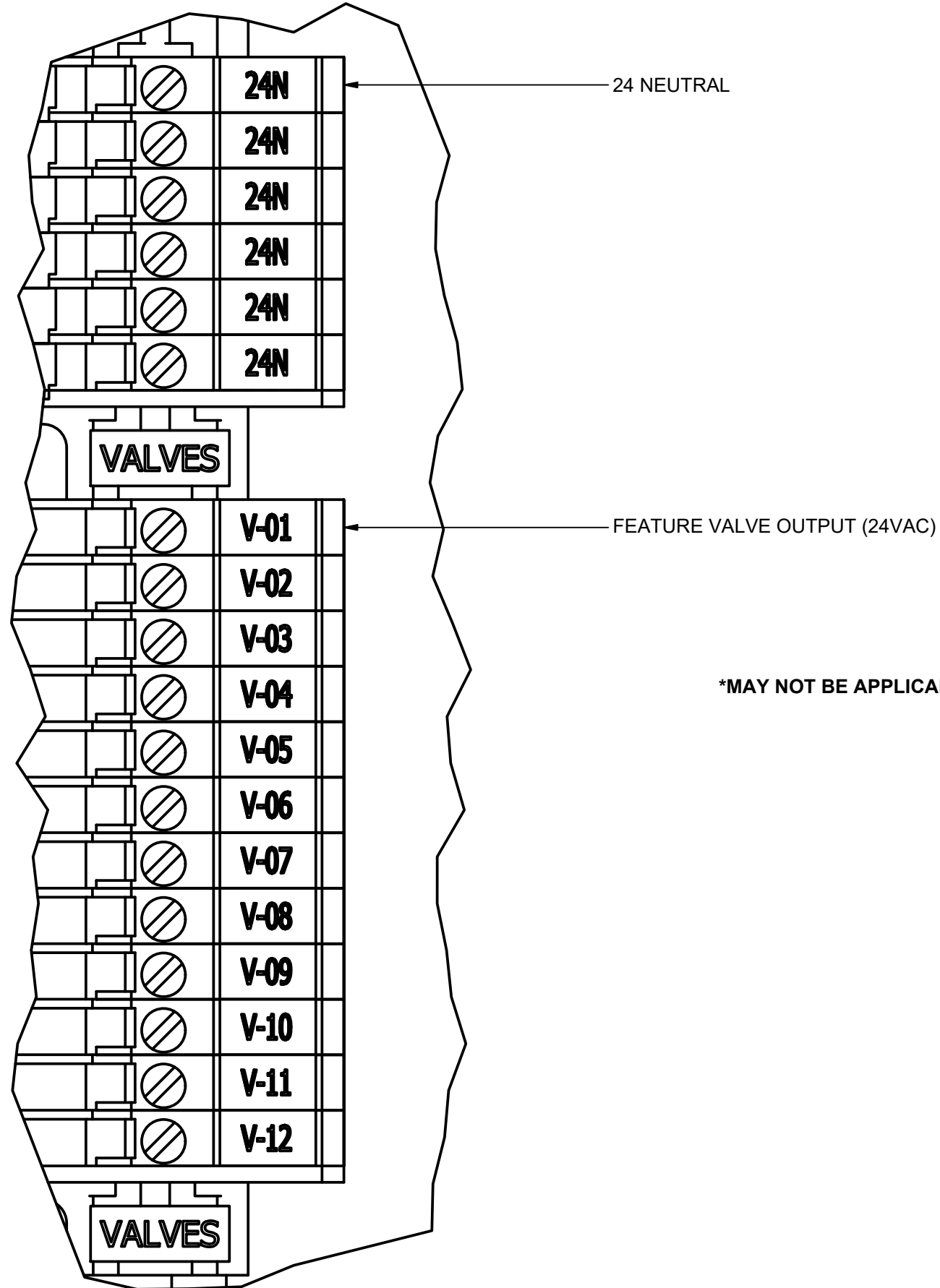
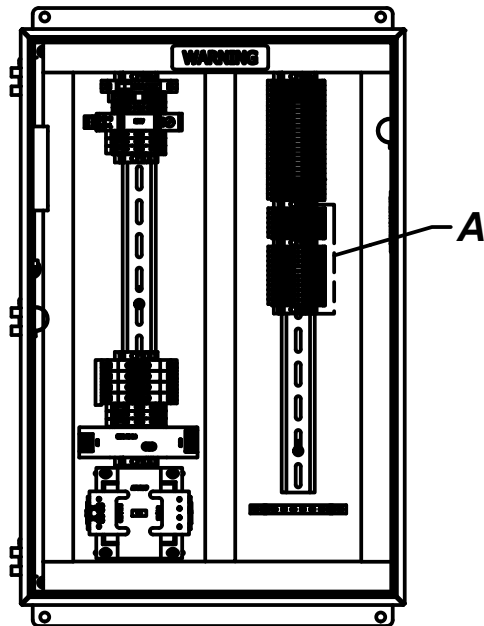
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OF:

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805 CROWLEY AVE.  
KELOWNA, BC  
CANADA, V1Y 7G6  
P: 250-879-7205  
F: 250-879-7215

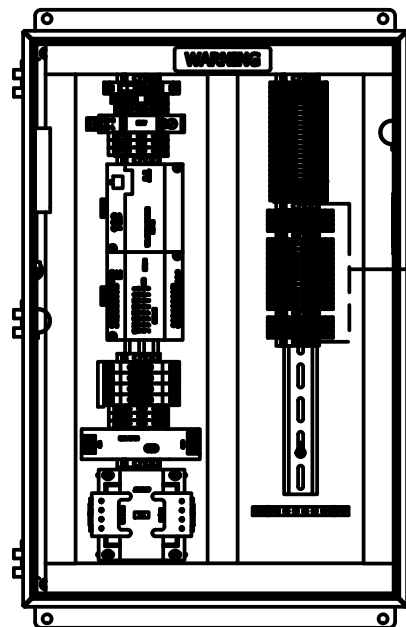


**\*MAY NOT BE APPLICABLE FOR ALL CONTROLLERS\***

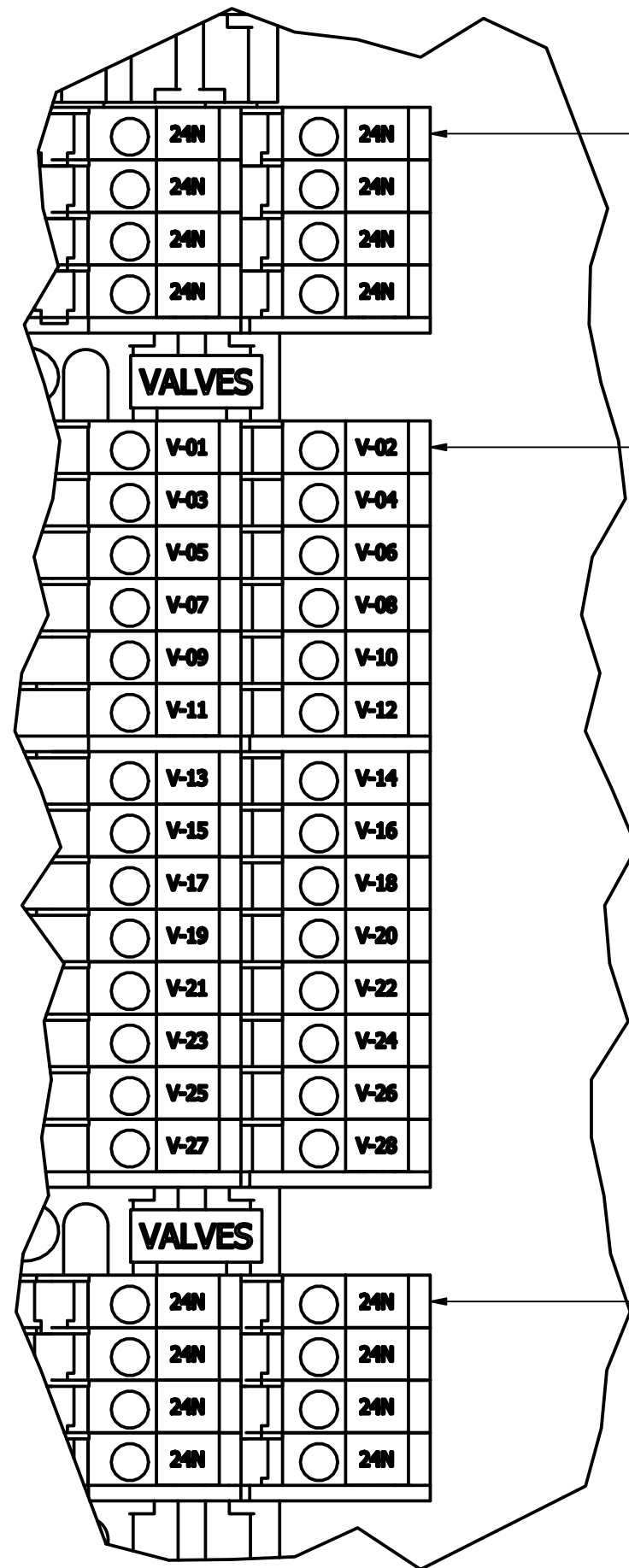
**DETAIL A**

**OUTPUTS**

USE IN CONJUNCTION WITH SHEET NO. 1				805 CROWLEY AVE. KELOWNA, BC CANADA, V1Y 7G6 P: 250-979-7205 F: 250-979-7215	
THIRD ANGLE PROJECTION		DWG ID: <b>0010-1954</b>	REV: <b>C</b>	SIZE: <b>B</b>	SCALE: <b>NTS</b>
				SHEET: <b>4</b>	OF: <b>7</b>



A



24V NEUTRAL

FEATURE VALVE OUTPUTS (24VAC)

\*MAY NOT BE APPLICABLE FOR ALL CONTROLLERS\*

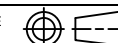
24 NEUTRAL

DETAIL A

EXPANSION

USE IN CONJUNCTION WITH SHEET NO. 1

THIRD ANGLE  
PROJECTION



DWG ID:

0010-1954

REV:

C

SIZE:

B

SCALE:

NTS

SHEET:

5

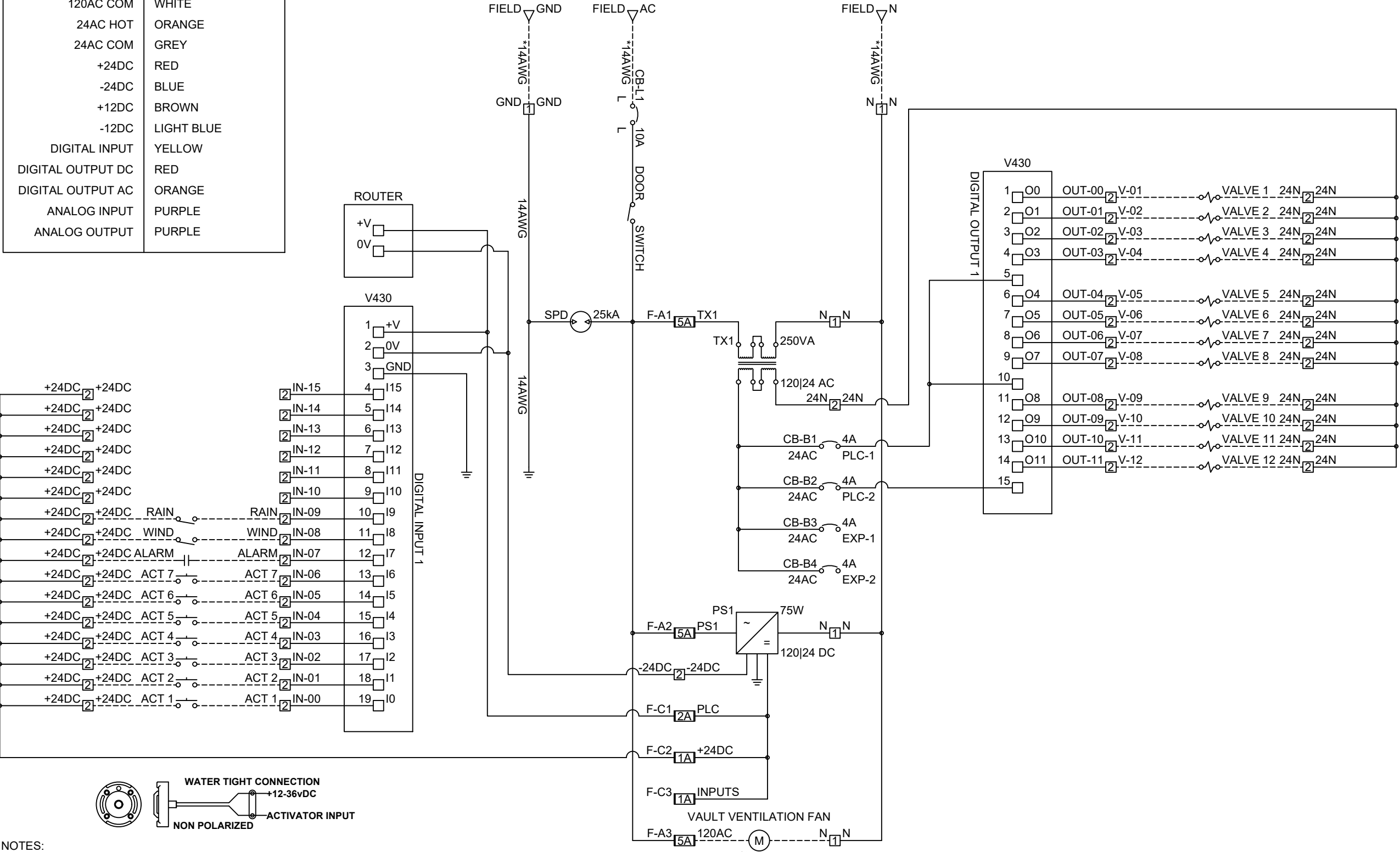
OF:

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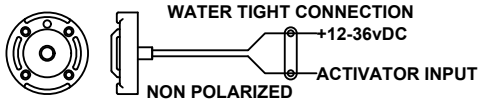
805 CROWLEY AVE.  
KELOWNA, BC  
CANADA, V1Y 7G6  
P: 250-879-7205  
F: 250-879-7215

WIRE COLOR CODE	
DESIGNATION	COLOUR
GROUND OR BOND	GREEN
120AC HOT	BLACK
120AC COM	WHITE
24AC HOT	ORANGE
24AC COM	GREY
+24DC	RED
-24DC	BLUE
+12DC	BROWN
-12DC	LIGHT BLUE
DIGITAL INPUT	YELLOW
DIGITAL OUTPUT DC	RED
DIGITAL OUTPUT AC	ORANGE
ANALOG INPUT	PURPLE
ANALOG OUTPUT	PURPLE



ELECTRICAL SYMBOLS	
ENGLISH DESCRIPTION	SYMBOL
PANEL WIRE	
FIELD WIRE	
CONTINUATION	
GROUND OR BOND	
TERMINAL BLOCK	
QUICK CONNECT MALE	
QUICK CONNECT FEMALE	
PUSH BUTTON	
N.O. SWITCH	
N.O. FLOAT SWITCH	
N.O. PRESSURE SWITCH	
N.O. FLOW SWITCH	
N.O. LIMIT SWITCH	
COIL	
N.O. CONTACT	
N.C. CONTACT	
BREAKER	
FUSE	
SURGE SUPPRESSOR	
OVERLOAD	
MOTOR	
SOLENOID VALVE	
LIGHT	
CAPACITOR	
BATTERY	
DIODE	
FLOW METER	
PRESSURE TRANSDUCER	
VFD OR POWER SUPPLY	
DUAL VOLTAGE TRANSFORMER	
TRANSFORMER	
RECTIFIER	

- NOTES:
1. REFER TO SMARTPLAY CONTROLLER GUIDE FOR ADDITIONAL INSTRUCTIONS
  2. INSTALLATION MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN
  3. CONTROL PANEL LOCATION & INSTALLATION MUST MEET LOCAL ELECTRICAL CODE REQUIREMENTS
  4. LOCAL AUTHORITIES MUST INSPECT & APPROVE THE INSTALLATION
  5. IN PREWIRED VAULT APPLICATIONS, CONTROL PANEL WILL BE LOCATED IN THE VAULT
  6. ALL CONDUIT HUBS TO BE DRILLED INTO BOTTOM OF ENCLOSURE
  7. NON METALLIC ENCLOSURE DOES NOT PROVIDE GROUNDING BETWEEN CONDUIT CONNECTIONS
  8. USE GROUNDING BUSHINGS AND JUMPER WIRES. BUSHINGS AVAILABLE UPON REQUEST





USE IN CONJUNCTION WITH SHEET NO. 1



DWG ID: **0010-1954**

REV: **C**

SIZE: **B**

SCALE: NTS

SHEET:	7
OF:	7



805 CROWLEY AVE.  
KELOWNA, BC  
CANADA, V1Y 7G6  
P: 250-979-7205  
F: 250-979-7215

# SMARTPLAY™ CONTROLLER

(POTABLE) 0010-1954



See Specification Sheet for product data.



## WATERPLAY smartACCESS™

Control multiple play spaces from one screen through the intuitive user interface and collect data for analyzing and reporting. Waterplay's smartACCESS connects you to what's happening at your play space anywhere, anytime.

- Ability to sequence and manage water consumption remotely
- Automated data logging options
- Online access to your play space reduces on-site maintenance and operation costs
- Technical videos available to support maintenance staff on the go
- Simple user interface
- Cross-channel access available for PC and Mac, tablet, and smartphones
- Technical support provided



## BEST PRACTICES

Work with our in-house support teams to learn more about how to optimize flow rates for the best play experience for your project.

## HIGHLIGHTS:

The brains behind the operation—the controller tells the water what it should do and when to do it. Waterplay's smartPLAY™ Controller works together with Waterplay's manifold and activators to create the perfect play experience for your project.

- Programmable 4.3" PLC features intuitive colour touch screen for easy use
- User configurable sequencing
- Local valve reassignment
- Easy to use 24 hour RTC programming clock, timer and park calendar
- Ability to program and synchronize water and light features to create a spectacular display
- Standard 12 valve control with the ability to control up to 44\* valves (expansion module 0010-2244/2245 required)
- Features a Nema 4X enclosure

**CATEGORY:** Controllers

**PRODUCT LINE:** Water Management



1.800.590.5552 (USA & CAN) | +1 (250) 712.3393 (INTL)  
info@waterplay.com | www.waterplay.com

For full product specification details, please refer to the product specification document. Due to our continuing product improvement program, Waterplay reserves the right to change the product specifications without notice. All product designs at all times remain the property of Waterplay or are used under license and cannot be used or reproduced without written permission.

# POTABLE CONTROLLER

## 0010-1954

### ATTENTION:

IT IS THE RESPONSIBILITY OF THE INSTALLER TO MAKE THE FIELD INSTALLATION NEMA 4 COMPLIANT. THE INSTALLATION MUST COMPLY WITH LOCAL ELECTRICAL CODE REQUIREMENTS AND BE APPROVED BY LOCAL ELECTRICAL INSPECTION AUTHORITIES. CONTROL PANEL NOT TO BE INSTALLED IN DIRECT SUNLIGHT.

### ATTENTION:

L'INSTALLATEUR EST RESPONSIBLE D'ASSURER QUE L'INSTALLATION FINALE SUR SITE EST CONFORME AUX RÈGLEMENTS NEMA 4. L'INSTALLATION DOIT ÊTRE CONFORME AUX NORMES D'ÉLECTRICITÉ LOCAUX ET DEVRONT ÊTRE APROUVÉE PAR INSPECTION OFFICIELLE. LE PANNEAU DE CONTRÔLE NE DEVRA PAS ÊTRE INSTALLER À LA PORTÉE DE SOLEIL.



### FEATURES:

- QPS FIELD EVALUATION TO: CSA STANDARDS C22.2 No(s) 0, 0.4, 14 / CE Code / CSA Model Code SPE 1000 / NEC / UL508A
- INDUSTRIAL GRADE FIELD PROGRAMMABLE PLC, 4IN COLOUR TOUCH + 32GB SD CARD
- POWDER COATED (GREY) NEMA 4X ENCLOSURE
- 24VDC 75W CONSTANT VOLTAGE POWER SUPPLY WITH MULTIPLE INTEGRATED PROTECTION FEATURES
- 240/120/24/12 VAC 240VA TRANSFORMER + RESETTABLE TRIP-FREE CLASS II (96W, 4A) CIRCUITS
- RESETTABLE TRIP-FREE MAIN 10A CIRCUIT + SACRIFICIAL SURGE PROTECTION
- MARKED SCREW TERMINAL BLOCKS + INCLUDED PANEL DRIVER
- DEDICATED VAULT FAN CIRCUIT WITH QUICK ACTING 5A FUSE
- PLC INPUT QUICK ACTING 1A FUSE
- REMOTE CONTROL VIA INTERNET & SMART PHONE APP \* SEE CONNECTION REQUIREMENTS \*
- 12 FEATURE VALVE OUTPUTS (EXPANDABLE UP TO 44 VALVES, SEE OPTIONS TABLE)
- 12 STEP INDIVIDUAL FEATURE VALVE SEQUENCING PER ACTIVATOR

### PARK SPECIFIC / CONFIGURABLES:

- CONFIGURED (SITE POWER (NORTH AMERICA / EUROPE)
- CONFIGURED & ADJUSTABLE ACTIVATOR AMOUNT
- CONFIGURED & ADJUSTABLE FEATURE VALVE AMOUNT
- CONFIGURED FEATURE SEQUENCING PER ACTIVATOR
- CONFIGURED DISPLAYED FEATURE NAMES ACCORDING TO ORDER
- ADJUSTABLE FEATURE SEQUENCING PER ACTIVATOR
- ADJUSTABLE STEP TIME
- ADJUSTABLE PARK OPERATING DAYS AND HOURS
- ADJUSTABLE PARK NIGHT DAYS AND HOURS FOR LUMINARY CONTROL, IF APPLICABLE
- ADJUSTABLE LUMINARY SEQUENCING, IF APPLICABLE
- ADJUSTABLE WIND AND RAIN ALARM, IF APPLICABLE
- CONFIGURED POP-IT SEQUENCING, IF APPLICABLE

### COMPATABILITY:

- ACTUATED FEATURE MANIFOLD UP TO 44 VALVES INCLUDING POP-ITS
- POP-IT FEATURES UP TO 44 INCLUDING FEATURE VALVES
- LED CONTROLLER 4, 8 OR 12
- ACTIVATORS UP TO 5 (N.O. OR 3 WIRE PNP)
- WIND SENSOR SWITCH (N.O.)
- RAIN SENSOR SWITCH (N.O.)
- GENERAL ALARM INPUT (N.O.)

### TRAITS:

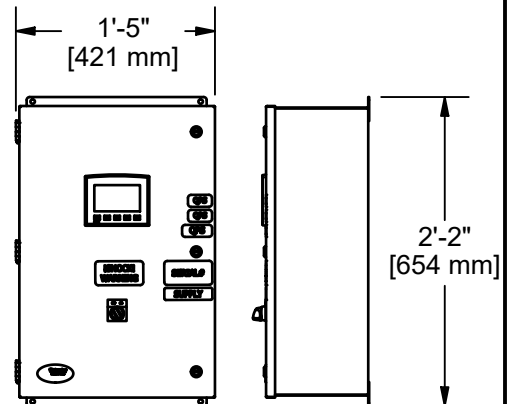
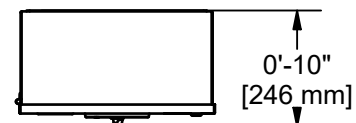
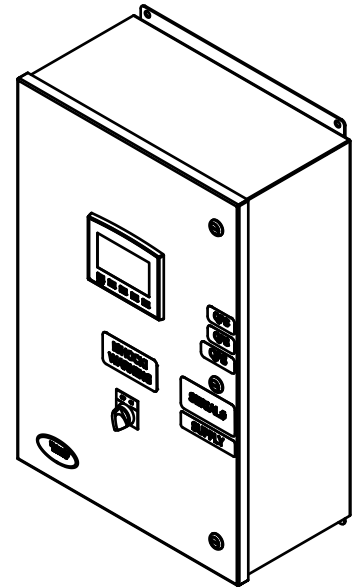
- EVALUATION DE TERRAIN QPS: NORMES CSA C22.2 No(s) 0, 0.4, 14 / Code CE / Code de modèle CSA SPE 1000 / NEC / UL508A
- API PROGRAMMABLE SUR LE TERRAIN DE QUALITÉ INDUSTRIELLE, TACTILE COULEUR 4 PO + CARTE SD 32 Go
- BOÎTIER NEMA 4X PEINT (GRIS)
- ALIMENTATION À TENSION CONSTANTE 24VDC 75W AVEC PLUSIEURS FONCTIONS DE PROTECTION INTÉGRÉES
- TRANSFORMATEUR 240/120/24/12 VAC 240VA + CIRCUITS DE CLASSE II SANS DÉCLANCHÉMENT RÉINITIALISABLES (96W, 4A)
- CIRCUIT PRINCIPAL 10A SANS DÉCLANCHÉMENT RÉINITIALISABLE + PROTECTION CONTRE LES SURTENSIONS SACRIFICIELLES
- BORNES À VIS MARQUÉES + TOURNE PANNEAU INCLUS
- CIRCUIT DE VENTILATION VAULT DÉDIÉ AVEC FUSIBLE 5A À ACTION RAPIDE
- FUSIBLE 1A À ACTION RAPIDE ENTRÉE API
- CONTRÔLE À DISTANCE VIA INTERNET ET APPLI POUR TÉLÉPHONE INTELLIGENT \* VOIR LES CONDITIONS DE CONNEXION \*
- 12 SORTIES DE VANNE (EXPANSIONNELLE JUSQU'À 44 VANNES, VOIR LE TABLEAU DES OPTIONS)
- SÉQUENÇEMENT INDIVIDUEL DES VANNES EN 12 ÉTAPES PAR ACTIVATEUR

### PARC SPÉCIFIQUE / CONFIGURABLES:

- CONFIGURÉ (PUISSANCE DU SITE (AMÉRIQUE DU NORD / EUROPE)
- QUANTITÉ D'ACTIVATEUR CONFIGURÉE ET RÉGLABLE
- QUANTITÉ DE VALVE CONFIGURÉE ET RÉGLABLE
- SÉQUENÇEMENT DES VANNES CONFIGURÉ POUR CHAQUE ACTIVATEUR
- NOMS DES JOUETS AFFICHÉS CONFIGURÉ SELON LA COMMANDE
- SÉQUENÇEMENT DES VANNES RÉGLABLE POUR CHAQUE ACTIVATEUR
- TEMPS DE PAS RÉGLABLE
- JOURS ET HEURES D'OUVERTURE DU PARC RÉGLABLES
- JOURS ET HEURES DE NUIT DU PARC RÉGLABLES POUR LE CONTRÔLE DES LUMINAIRES, LE CAS ÉCHÉANT
- SÉQUENÇEMENT LUMINAIRE RÉGLABLE, LE CAS ÉCHÉANT
- ALARME DE VENT ET DE PLUIE RÉGLABLE, LE CAS ÉCHÉANT
- SÉQUENÇEMENT POP-IT CONFIGURÉ, LE CAS ÉCHÉANT

### COMPATIBILITÉ:

- COLLECTEUR ACTIONNÉ JUSQU'À 44 VANNES Y COMPRIS POP-ITS
- CONTRÔLE POP-IT JUSQU'À 44, Y COMPRIS LES VANNES DE COLLECTEUR
- CONTRÔLEUR LED 4, 8 OU 12
- ACTIVATEURS JUSQU'À 7 (N.O. OU 3 FILS PNP)
- COMMUTATEUR DE CAPTEUR DE VENT (N.O.)
- INTERRUPTEUR DE CAPTEUR DE PLUIE (N.O.)
- ENTRÉE ALARME GÉNÉRALE (N.O.)



			OPTION	SKU
			0-12 OUTPUTS	BASE
PANEL RATING	QPS / NEMA 4-4X-12 / IP65	CLASSEMENT DE PANNEAUX	16 OUTPUT EXPANSION	0010-2244
STORAGE TEMPERATURE	-20°C to 60°C (-4°F to 140°F)	TEMPÉRATURE D'OPÉRATION	32 OUTPUT EXPANSION	0010-2245
HUMIDITY	10-90% NON CONDENSING	HUMIDITÉ	SURGE SUPPRESSOR	0002-1113
POWER REQUIRED	120V 60HZ / 230V 50HZ DEDICATED GFCI 10A	EXIGENCE D'ÉLECTRICITÉ	RAIN SENSOR	0000-1565
ACTIVATOR POWER	24VDC	EXIGENCE D'ÉLECTRICITÉ POUR L'ACTIVATEUR	WIND SENSOR	PRP-06019
ACTIVATOR WIRE	MIN. 3 WIRE 18AWG PLUS GROUND	CÂBLE ÉLECTRIQUE POUR L'ACTIVATEUR	INITIAL:	
VALVE POWER	24VAC, MAX. 0.5A	EXIGENCE D'ÉLECTRICITÉ POUR LA VANNE		
VALVE WIRE	MIN. 18AWG	CÂBLE ÉLECTRIQUE POUR LA VANNE		
SUPPLY PRESSURE	N/A	PRESSION D'ALIMENTATION	DRAWING ID:	0010-1954
DYNAMIC PRESSURE	N/A	PRESSION DYNAMIQUE	SHEET:	1
			OF:	1



ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.

TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.

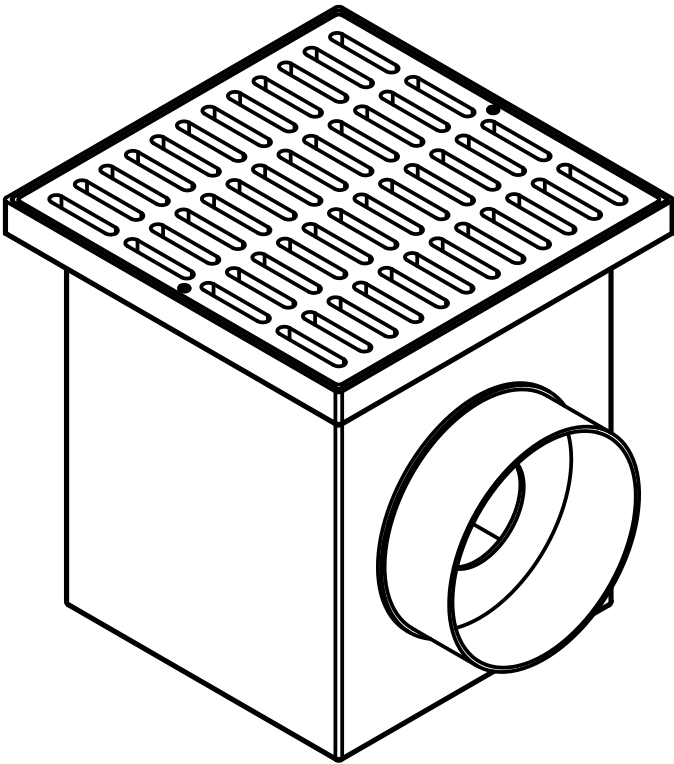
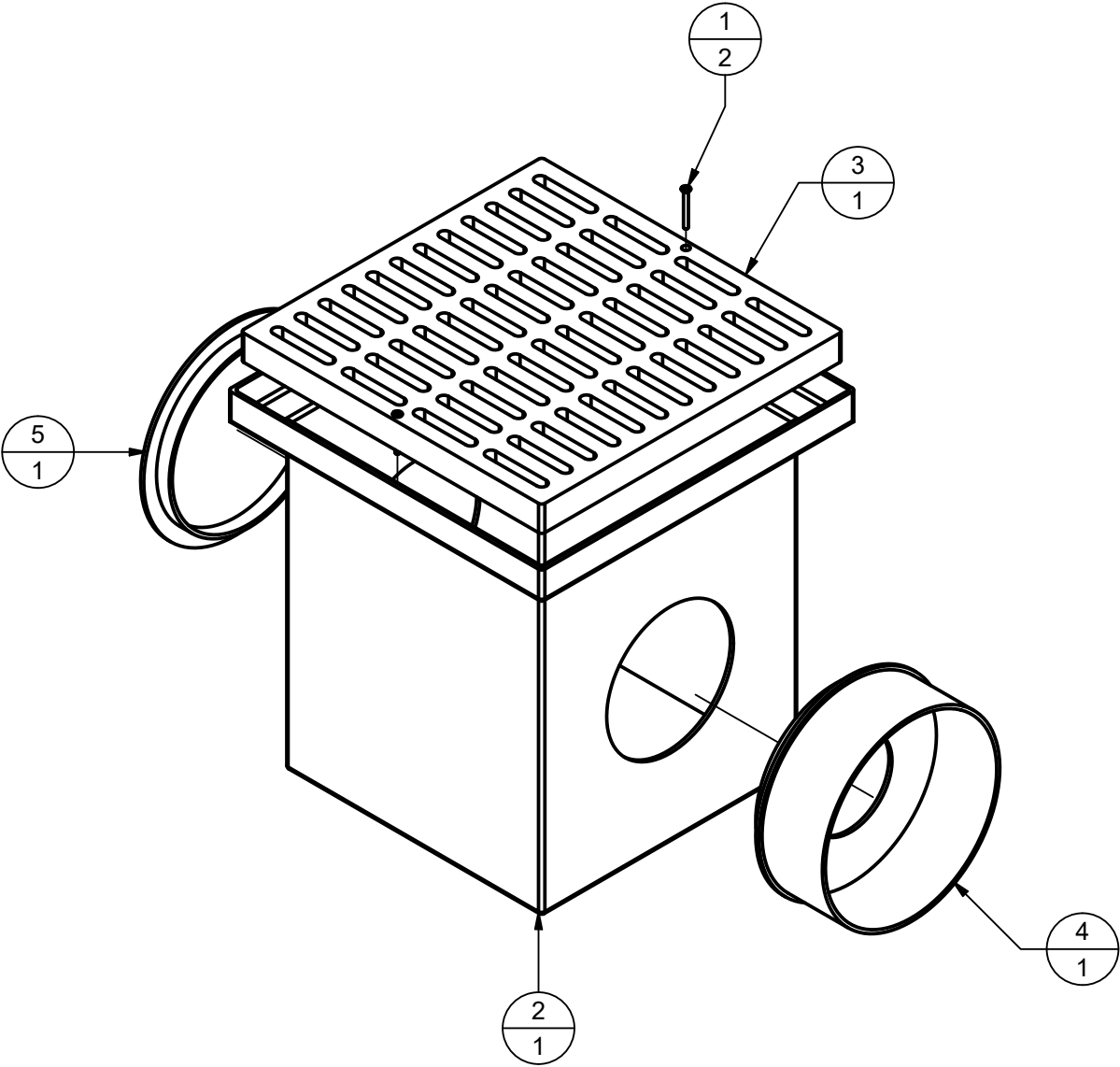
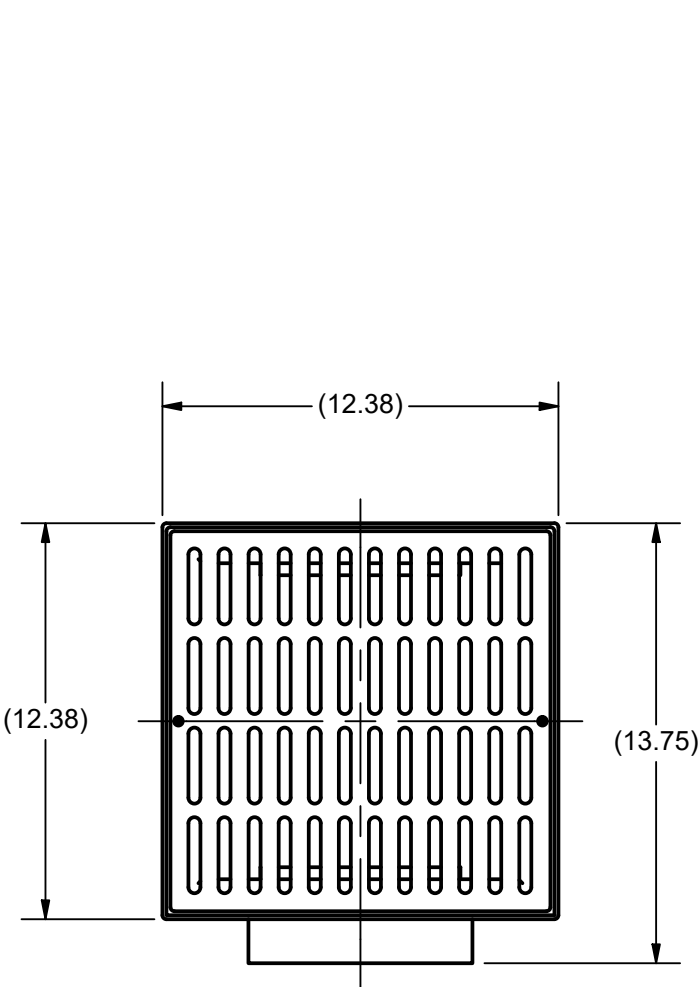
REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.

SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.

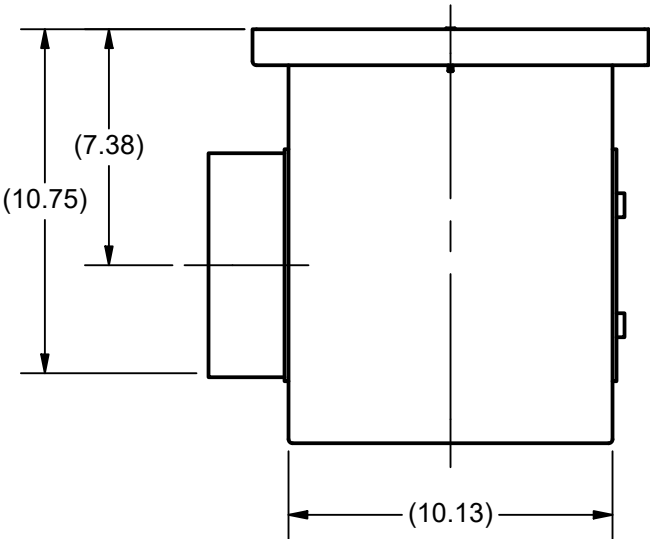
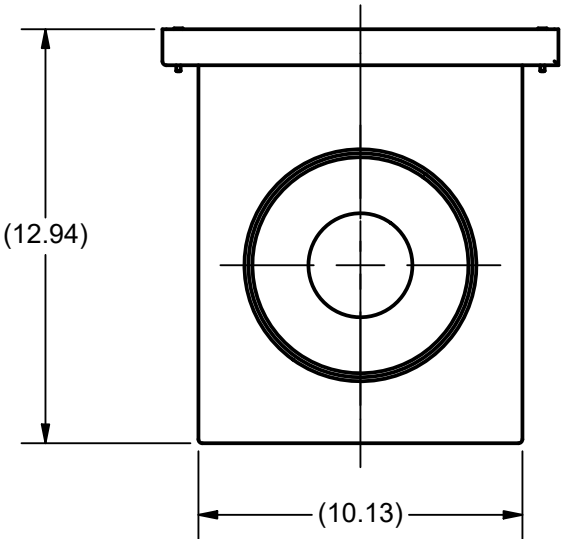
805 CROWLEY AVE.  
KELOWNA, BRITISH COLUMBIA  
CANADA, V1Y 7G6  
P: 250-712-3393  
F: 250-861-4814  
E: design@waterplay.com  
W: waterplay.com



ITEM	PART ID	REV	DESCRIPTION	MATERIAL	QTY
1	0010-8330	A	SCREW FLAT HEAD PHILIPS #8-2 SS	SST	2
2	PLB-08072	A	12"X12" CATCH BASIN, 2 OPENINGS	FIBREGLASS	1
3	PLB-08073	A	DRAIN GRATE, 12"X12", GREY	FIBREGLASS	1
4	PLB-08078	A	LOCKING DRAIN OUTLET 6IN	FIBREGLASS	1
5	PLB-08079	A	UNIVERSAL PLUG	FIBREGLASS	1

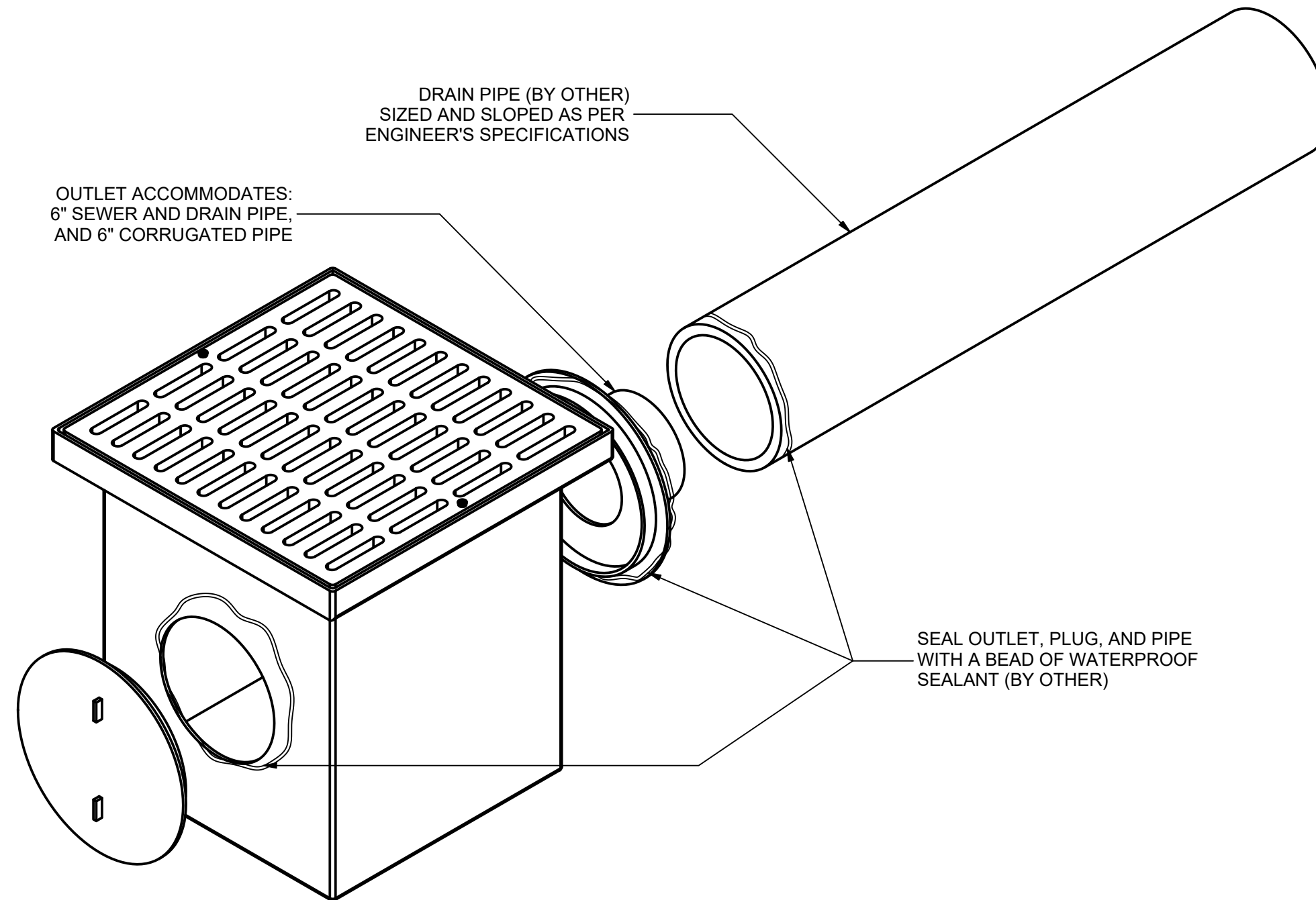
REV	DESCRIPTION	DATE
A		3/27/2019
B	UPDATED PIPE SIZING	7/28/2021
C	UPDATED ASSEMBLY DETAIL	9/12/2022



ASSEMBLED



<b>TORQUE VALUES UNLESS NOTED</b> 1/4-20...63 in-lbs 1/2-13...37 ft-lbs 3/8-16...201 in-lbs		MASS: 8.1 lbmass	<b>TOLERANCES UNLESS NOTED</b> .X ±0.5 .XX (>10) ±0.05 .XX (<10) ±0.01 .XXX ±0.005 ANGULAR ±1° SURFACE FINISH 63µ in.		DESIGNED: STESHO	<b>DRAIN SQUARE 6IN OUTLET INSTALL</b>		
ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WMI MANUFACTURING CORPORATION AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			<b>ALL DIMENSIONS IN INCHES</b>		DRAWN: KYLUC			
 805 CROWLEY AVE. KELOWNA, BC CANADA V1Y 7G6 P: 250-979-7205 F: 250-979-7215					CHECKED: TYRHIR	DRAIN		
					DATE: 2/19/2020	DWG ID: <b>DRA-00007</b> REV: <b>C</b> SIZE: <b>B</b> SCALE: <b>NTS</b> SHEET: <b>1</b> OF: <b>3</b>		



# ASSEMBLY

USE IN CONJUNCTION WITH SHEET NO. 1

THIRD ANGLE  
PROJECTION



DWG ID:

**DRA-00007**

REV:

**C**

SIZE:

**B**

SCALE:

**NTS**

SHEET:

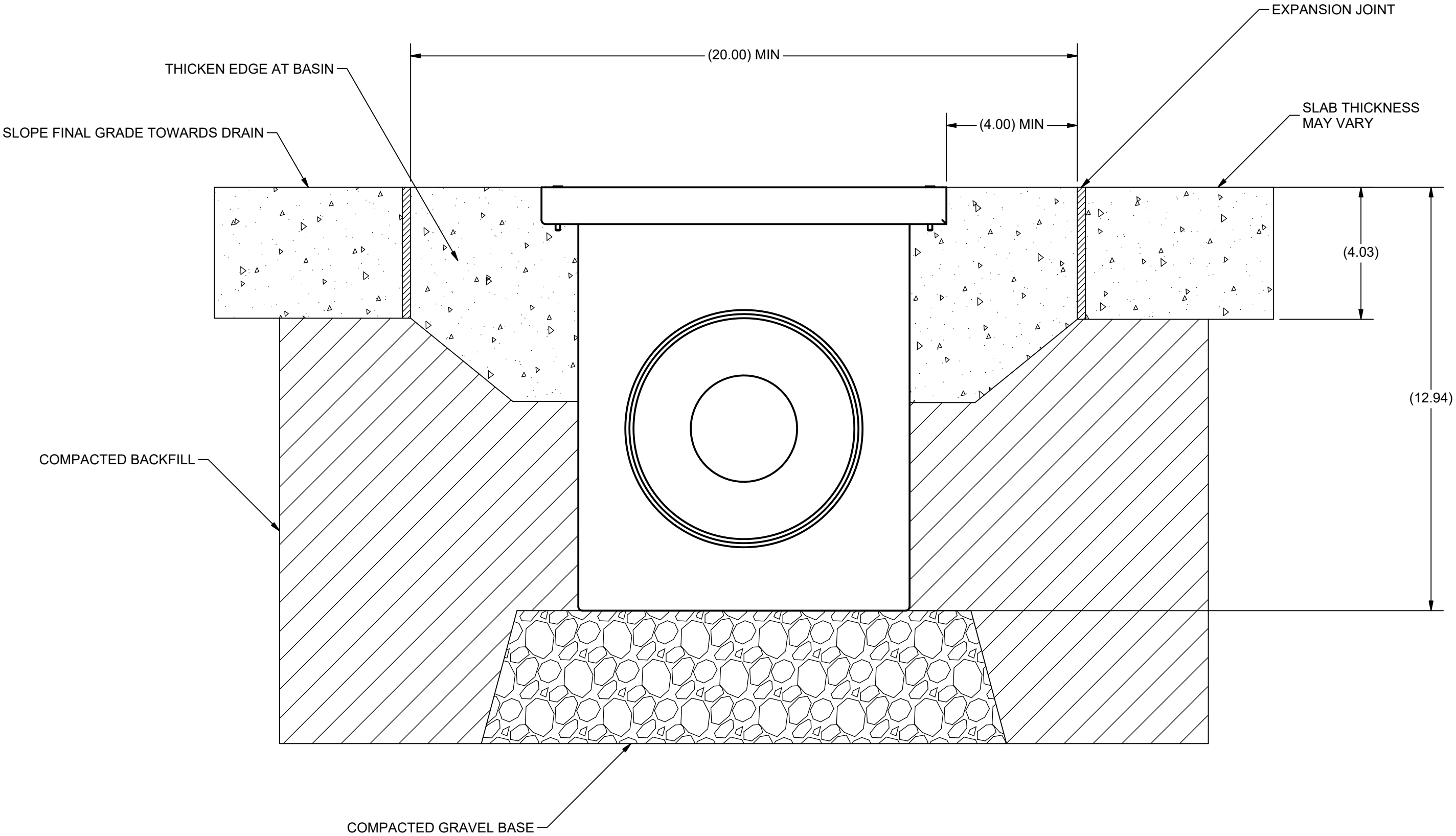
**2**

OF:

**3**



805 CROWLEY AVE.  
KELOWNA, BC  
CANADA, V1Y 7G6  
P: 250-979-7205  
F: 250-979-7215



# DRAIN (SQUARE)

DRA-00007 (6IN OUTLET)



See Specification Sheet for product data.



Create a sustainable play space that is visually appealing with a water smart design!

Work with our in-house support teams to learn more about how to optimize flow rates for the best play experience for your project.

## HIGHLIGHTS:



- High flow rate capacity (75 GPM)
- Durable material stands up in aquatic environments
- Safe design protects against find and toe entrapment, no pinch points
- Flush-to-grade
- Easy installation and maintenance
- Optional strainers available for added debris filtering

**CATEGORY:** Drains

**PRODUCT LINE:** Water Management



1.800.590.5552 (USA & CAN) | +1 (250) 712.3393 (INTL)  
info@waterplay.com | www.waterplay.com

For full product specification details, please refer to the product specification document. Due to our continuing product improvement program, Waterplay reserves the right to change the product specifications without notice. All product designs at all times remain the property of Waterplay or are used under license and cannot be used or reproduced without written permission.

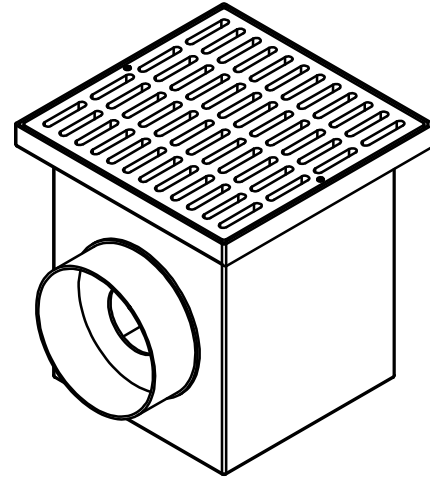
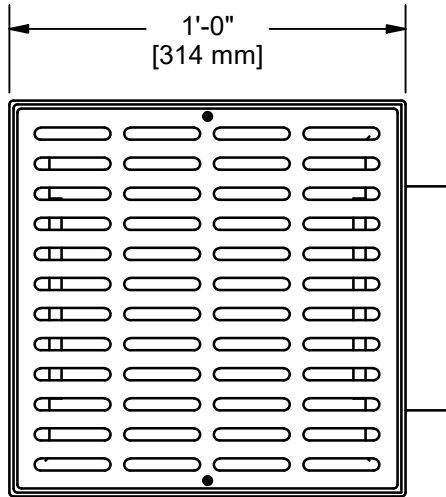
# DRAIN SQUARE 6IN OUTLET

**DRA-00007**

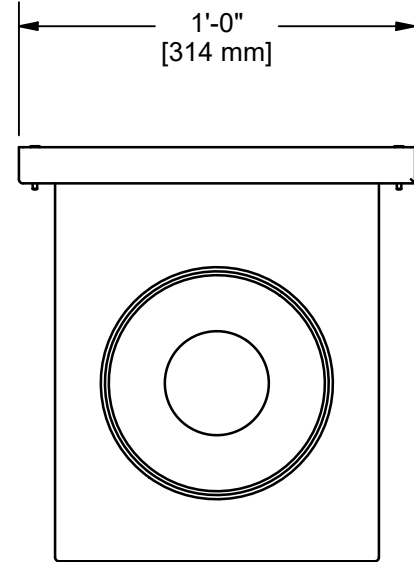
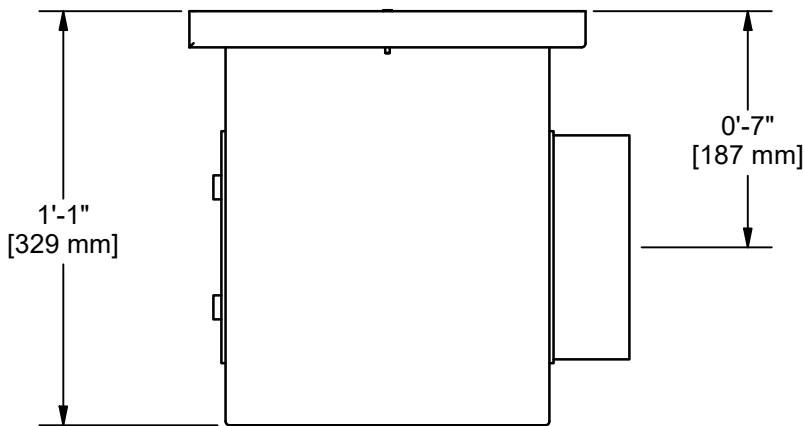
LIST OF MATERIALS / LISTE DE MATÉRIAUX (IF / SI APPLICABLE)	
BASE MATERIAL / MATÉRIEL	POLYPROPYLENE / POLYPROPYLÈNE
GRATE / GRILLE	HDPE / PEHD

AVAILABLE VERSIONS / VERSIONS DISPONIBLES			
SKU	OUTLET / SORTIE (in.)	CAPACITY / CAPACITÉ (GPM/LPM)	GRATE COLOR / GRILLE COULEUR
DRA-00007	6	150/568	GREY


FLOW CAPACITY BASED ON 6" DRAIN PIPE  
AT 2% SLOPE / CAPACITÉ DU DRAIN BASÉ  
SUR UN TUYAU D'ÉCOULEMENT DE 6" SUR  
UNE PENTE DE 2%



DRAIN GRATE OPENINGS /  
OUVERTURES DE LA GRILLE: 3/8"  
TOTAL OPEN AREA OF GRATE /  
SURFACE OUVERTE TOTALE: 50.40 SQ IN

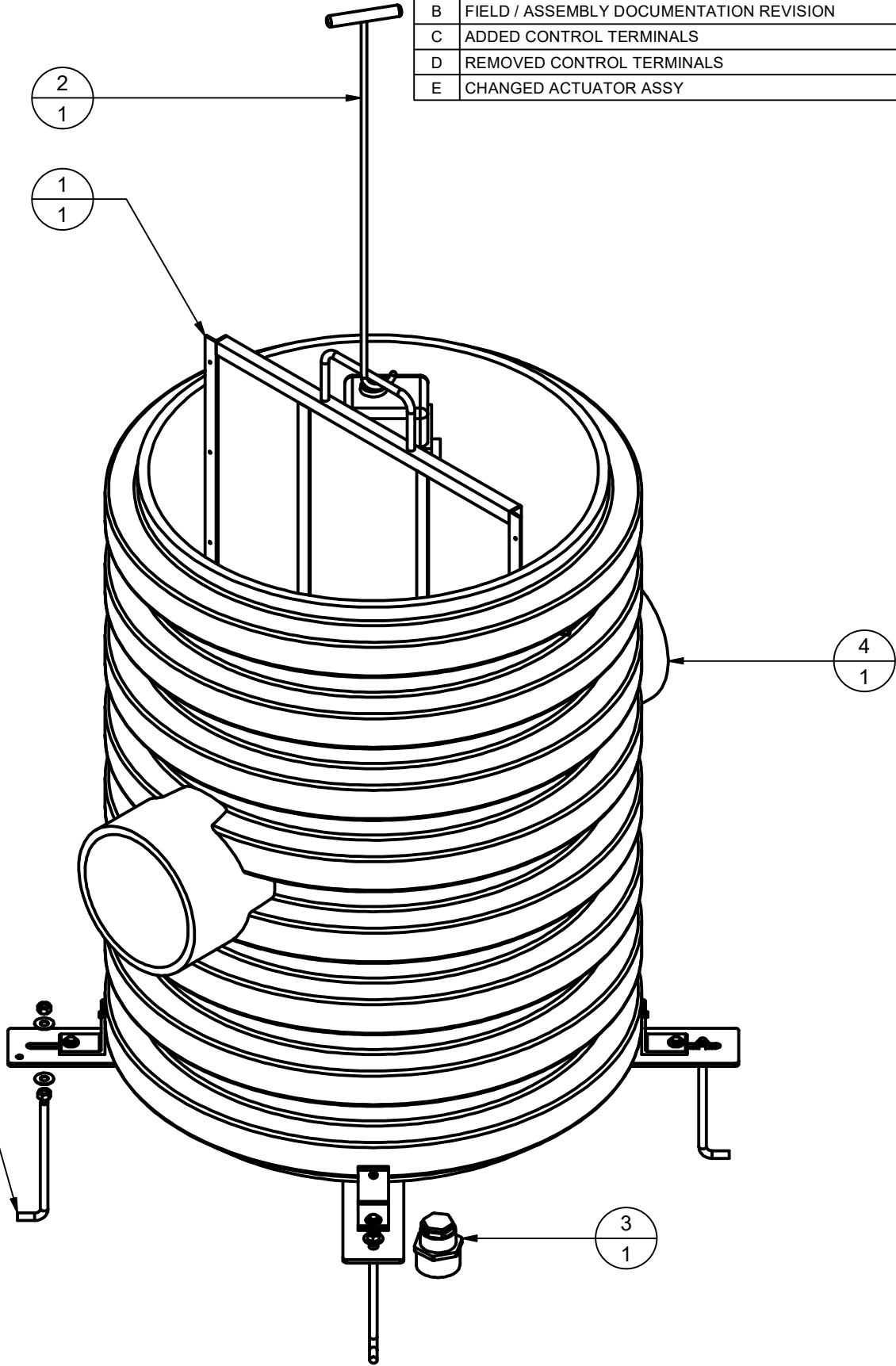
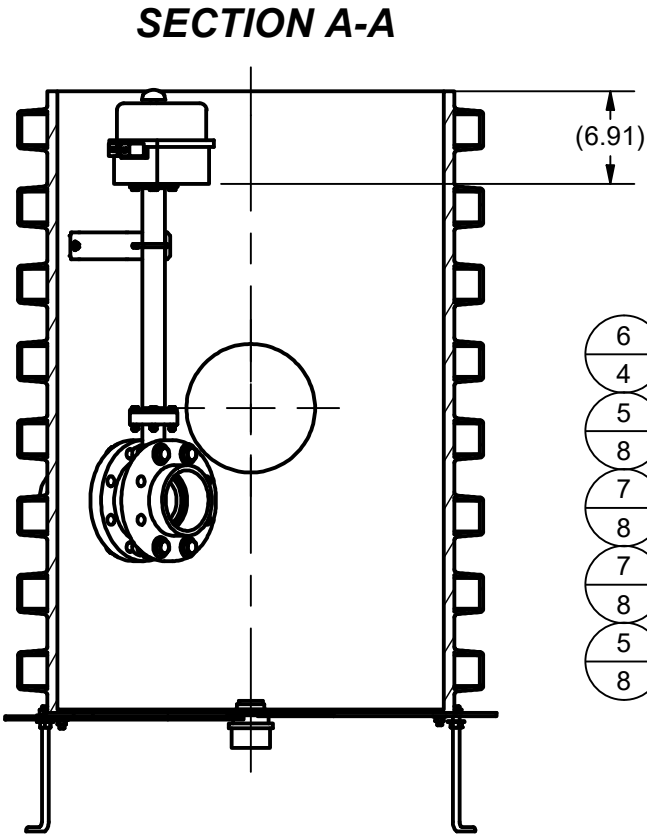
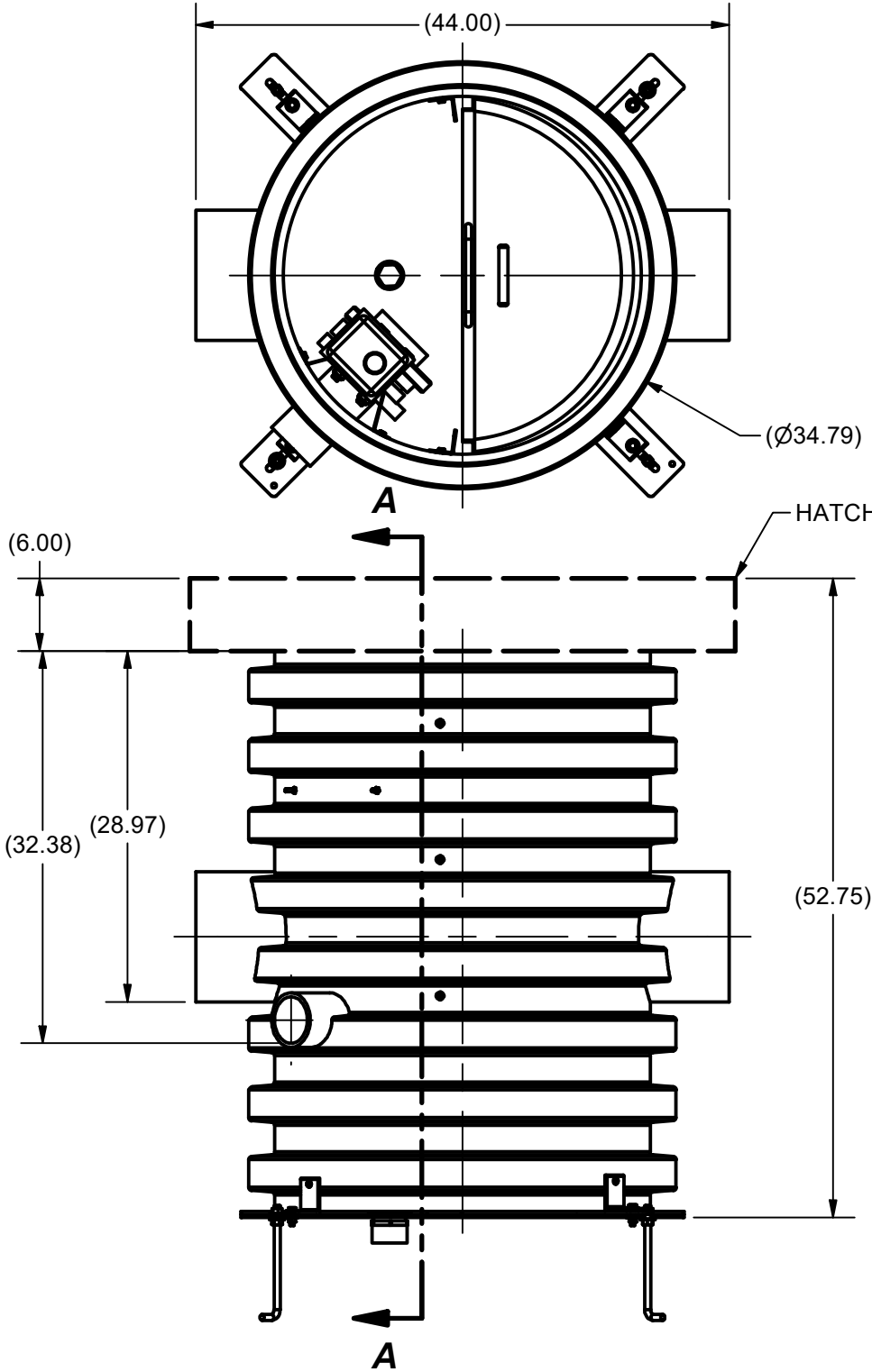




FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

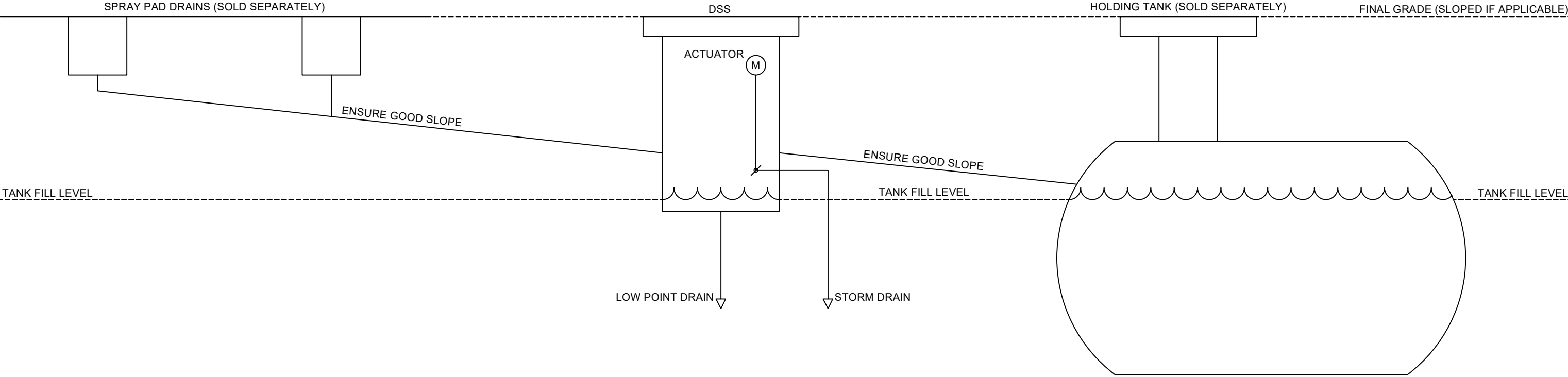
RECOMMENDED SPRAY AREA / ZONE D'ASPERION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:			
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa					
-/-	-/-	-/-	-/-	-/-	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE				
NOZZLES / BUSES			MASS: 8.1 lbmass		DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]		DRAWING ID: <b>DRA-00007</b>	SHEET: 1 OF: 1	
					ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.  TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.		REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.  SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.		805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com

ITEM	PART ID	REV	DESCRIPTION	MATERIAL	QTY
1	0000-1611	E	DSS STRAINER BASKET	WELDED SST	1
2	0001-1227	A	CHROME 31" FIFTH WHEEL PIN PULLER	STL	1
3	0003-2527	A	DSS DRAIN PLUG ASSEMBLY		1
4	0010-4666-A	B	DIVERTER STRAINER SYSTEM 30IN ID		1
5	NUT-02004		NUT, HEX, 1/2-13	SST	8
6	PTM-02015	A	ANCHOR BOLT, 1/2-13 X 9.00LG	AISI 304	4
7	WAS-02013		WASHER, FLAT, 1/2 (1.25 OD)	SST	8

REV	DESCRIPTION	DATE
B	FIELD / ASSEMBLY DOCUMENTATION REVISION	3/27/2020
C	ADDED CONTROL TERMINALS	12/1/2020
D	REMOVED CONTROL TERMINALS	3/1/2021
E	CHANGED ACTUATOR ASSY	11/2/2023

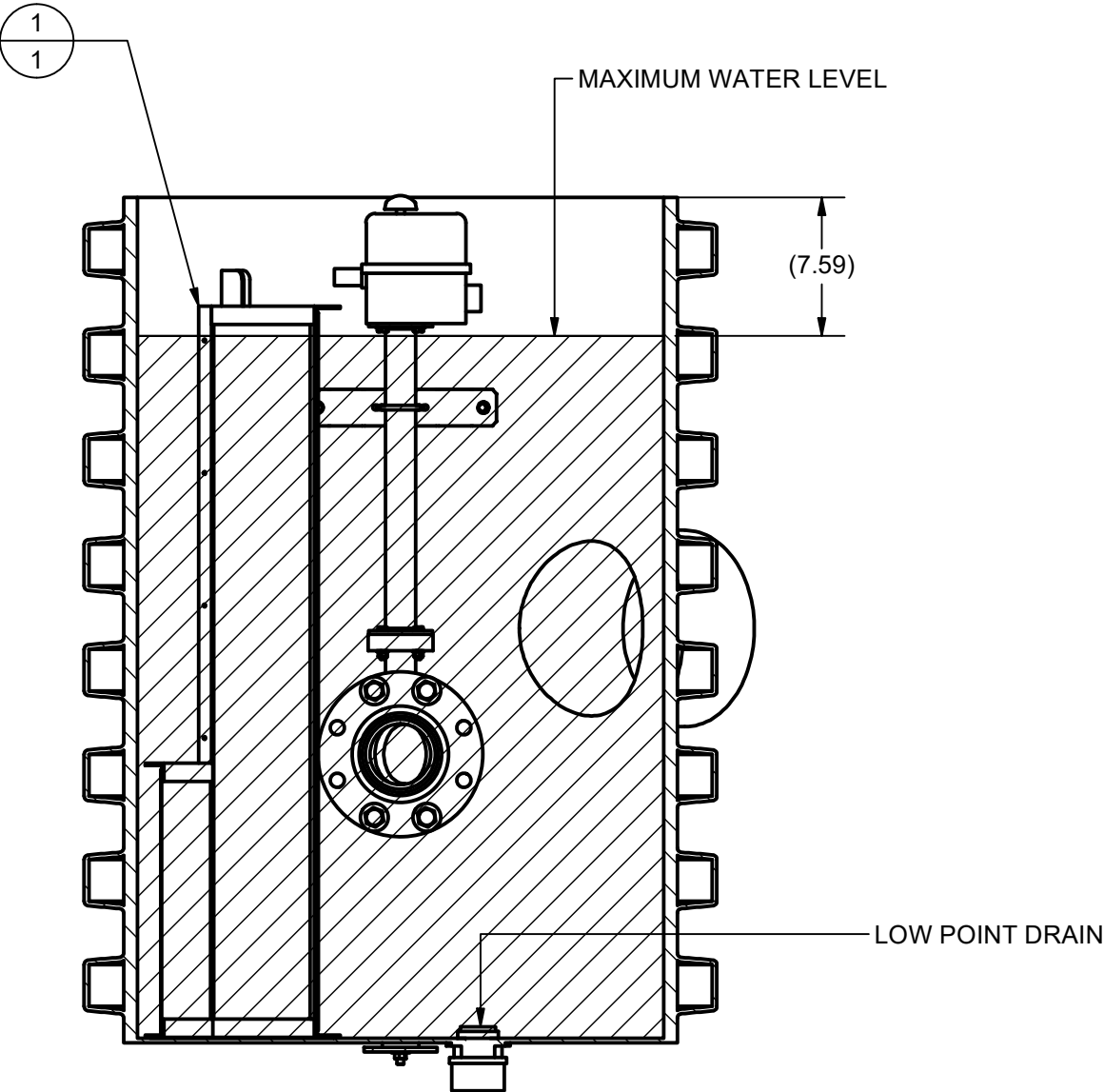
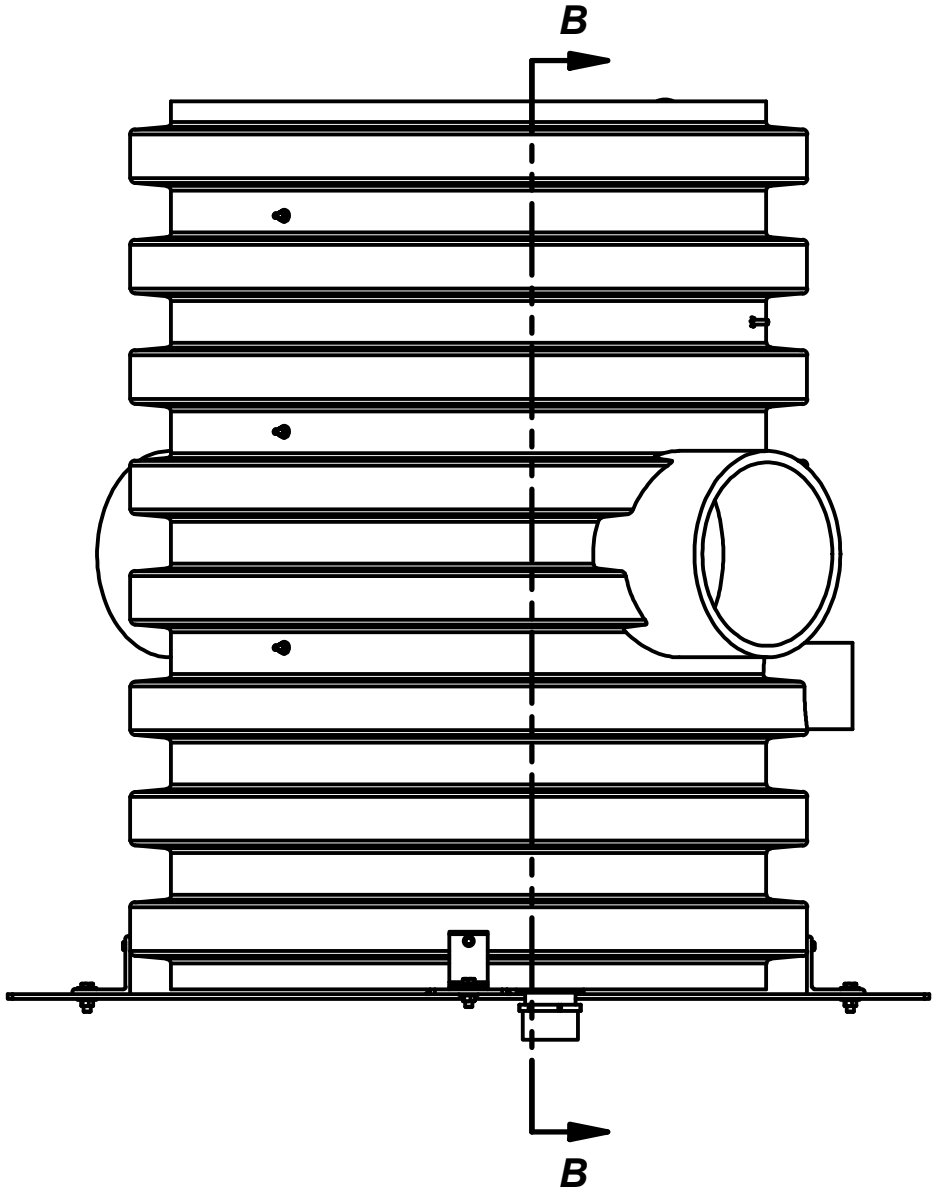


<b>TORQUE VALUES UNLESS NOTED</b> 1/4-20.....63 in-lbs    1/2-13.....37 ft-lbs 3/8-16.....201 in-lbs		<b>MASS:</b> 280.1 lbmass	<b>TOLERANCES UNLESS NOTED</b> .X                    ±0.5 .XX (>10)        ±0.05 .XX (<10)        ±0.01 .XXX             ±0.005 ANGULAR        ±1° SURFACE FINISH   63µ in.		<b>DESIGNED:</b> JASMAY	<b>DIVERTER STRAINER SYSTEM 30IN ID</b> <b>DSS</b> <b>WATER MANAGEMENT</b>					
ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WMI MANUFACTURING CORPORATION AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			<b>ALL DIMENSIONS IN INCHES</b>		<b>DRAWN:</b> TYRHIR						
			805 CROWLEY AVE. KELOWNA, BC CANADA V1Y 7G6 P: 250-979-7205 F: 250-979-7215		<b>CHECKED:</b> JASMAY	<b>DATE:</b> 3/26/2020	<b>DWG ID:</b> 0010-4666	<b>REV:</b> E	<b>SIZE:</b> B	<b>SCALE:</b> NTS	<b>SHEET:</b> 1
					<b>THIRD ANGLE PROJECTION</b> 						<b>OF:</b> 6

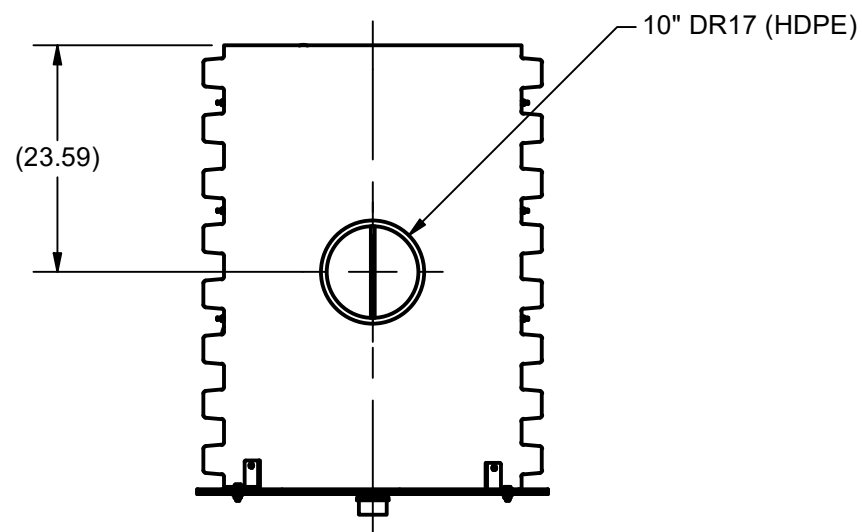


ELEVATION		 <div>805 CROWLEY AVE. KELOWNA, BC CANADA, V1Y 7G6 P: 250-879-7205 F: 250-879-7215</div>			SHEET: 2 OF: 6
USE IN CONJUNCTION WITH SHEET NO. 1					
THIRD ANGLE PROJECTION		DWG ID: 0010-4666	REV: E	SIZE: B	SCALE: NTS

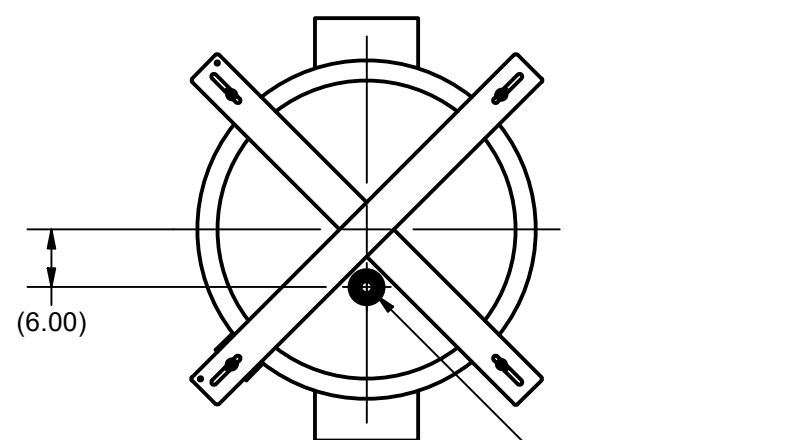
ITEM	PART ID	REV	DESCRIPTION	MATERIAL	QTY
1	0000-1611	E	DSS STRAINER BASKET	WELDED SST	1
3	0003-2527	A	DSS DRAIN PLUG ASSEMBLY		1



SECTION B-B

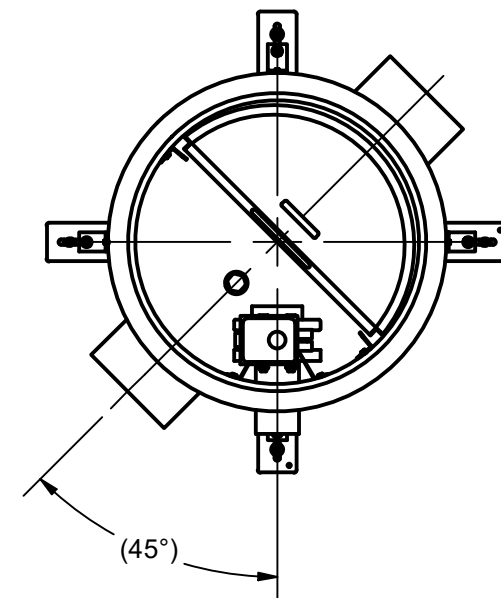
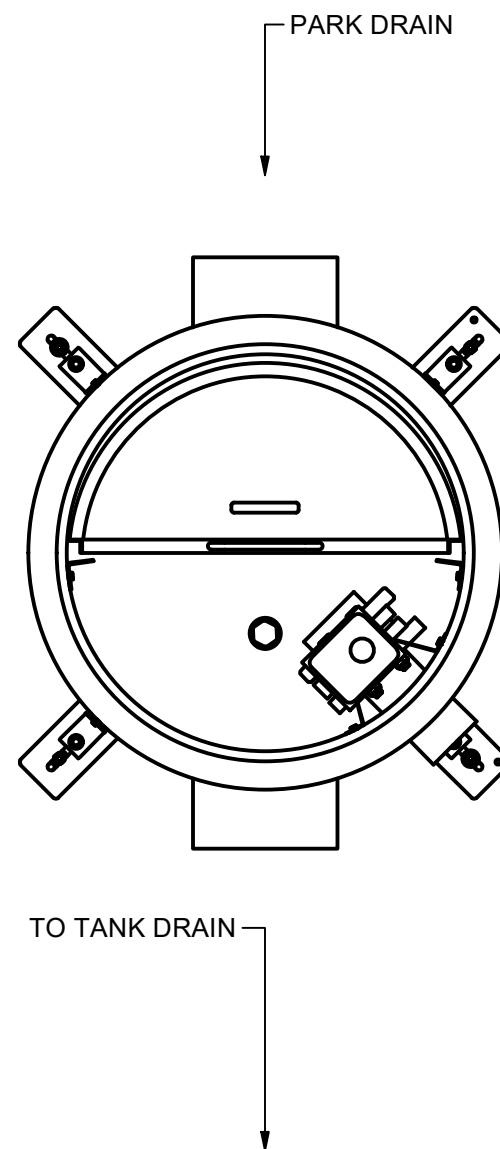


**PARK / STORM DRAIN**

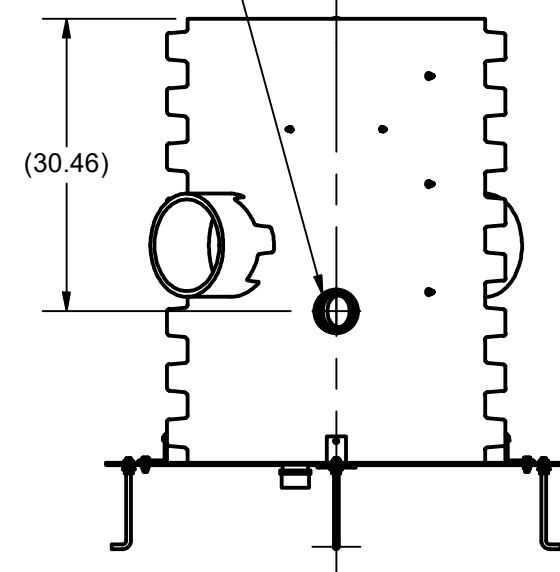


**LOW POINT DRAIN**

2" PVC SCH80



4" DR17 (HDPE)



**TANK RETURN**

**DIMENSIONS**

USE IN CONJUNCTION WITH SHEET NO. 1

THIRD ANGLE  
PROJECTION



DWG ID:

**0010-4666**

REV:

**E**

SIZE:

**B**

SCALE:

**NTS**

SHEET:

**4**

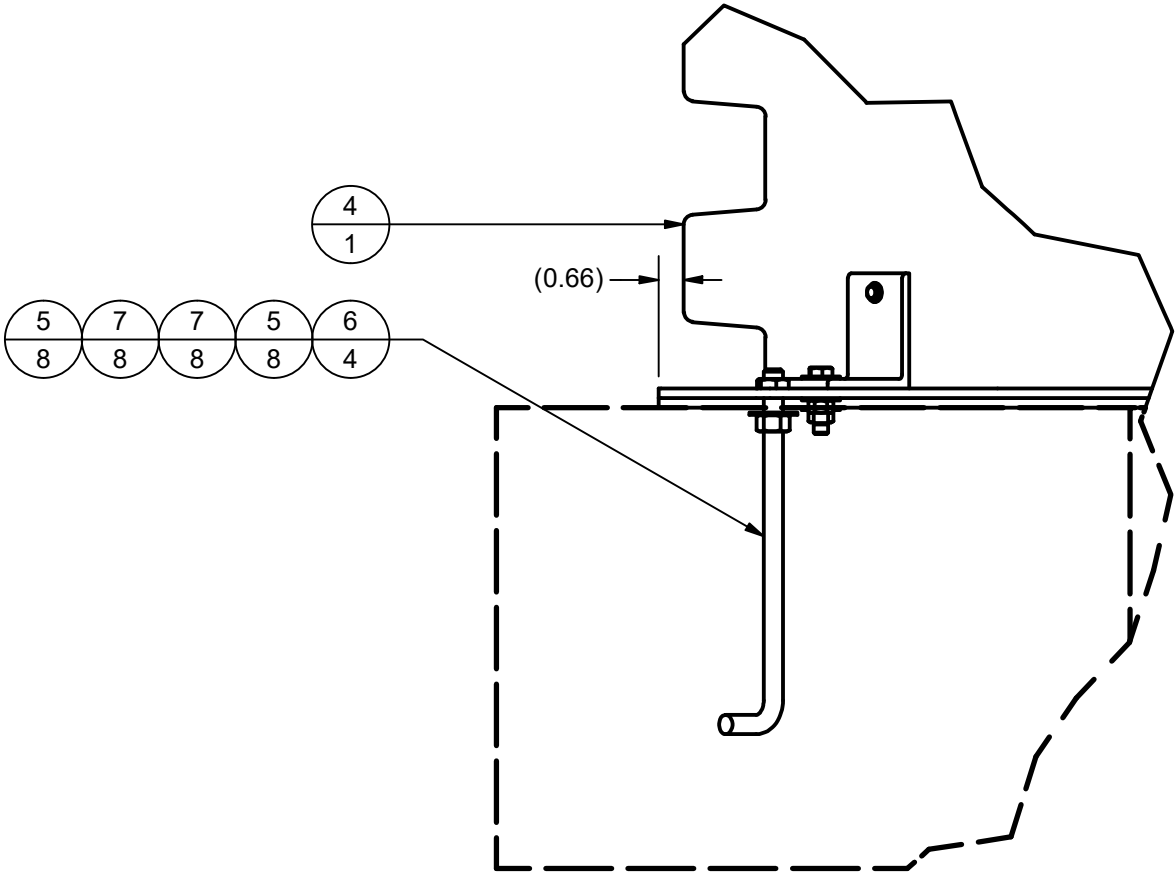
OF:

**6**

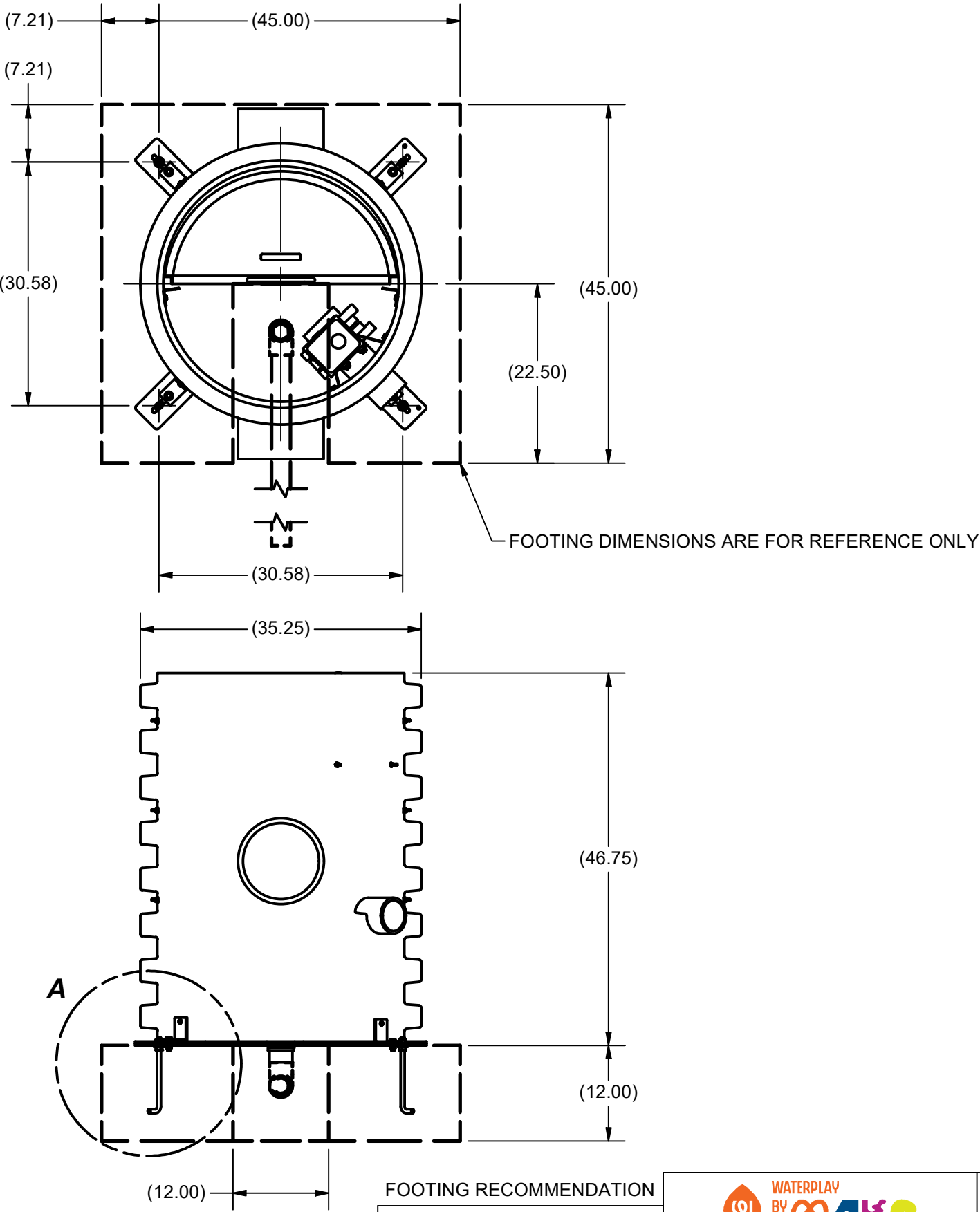


805 CROWLEY AVE.  
KELOWNA, BC  
CANADA, V1Y 7G6  
P: 250-879-7205  
F: 250-879-7215

ITEM	PART ID	REV	DESCRIPTION	MATERIAL	QTY
3	0003-2527	A	DSS DRAIN PLUG ASSEMBLY		1
4	0010-4666-A	B	DIVERTER STRAINER SYSTEM 30IN ID		1
5	NUT-02004		NUT, HEX, 1/2-13	SST	8
6	PTM-02015	A	ANCHOR BOLT, 1/2-13 X 9.00LG	AISI 304	4
7	WAS-02013		WASHER, FLAT, 1/2 (1.25 OD)	SST	8



DETAIL A



FOOTING RECOMMENDATION

USE IN CONJUNCTION WITH SHEET NO. 1

THIRD ANGLE PROJECTION

DWG ID: 0010-4666

REV: E

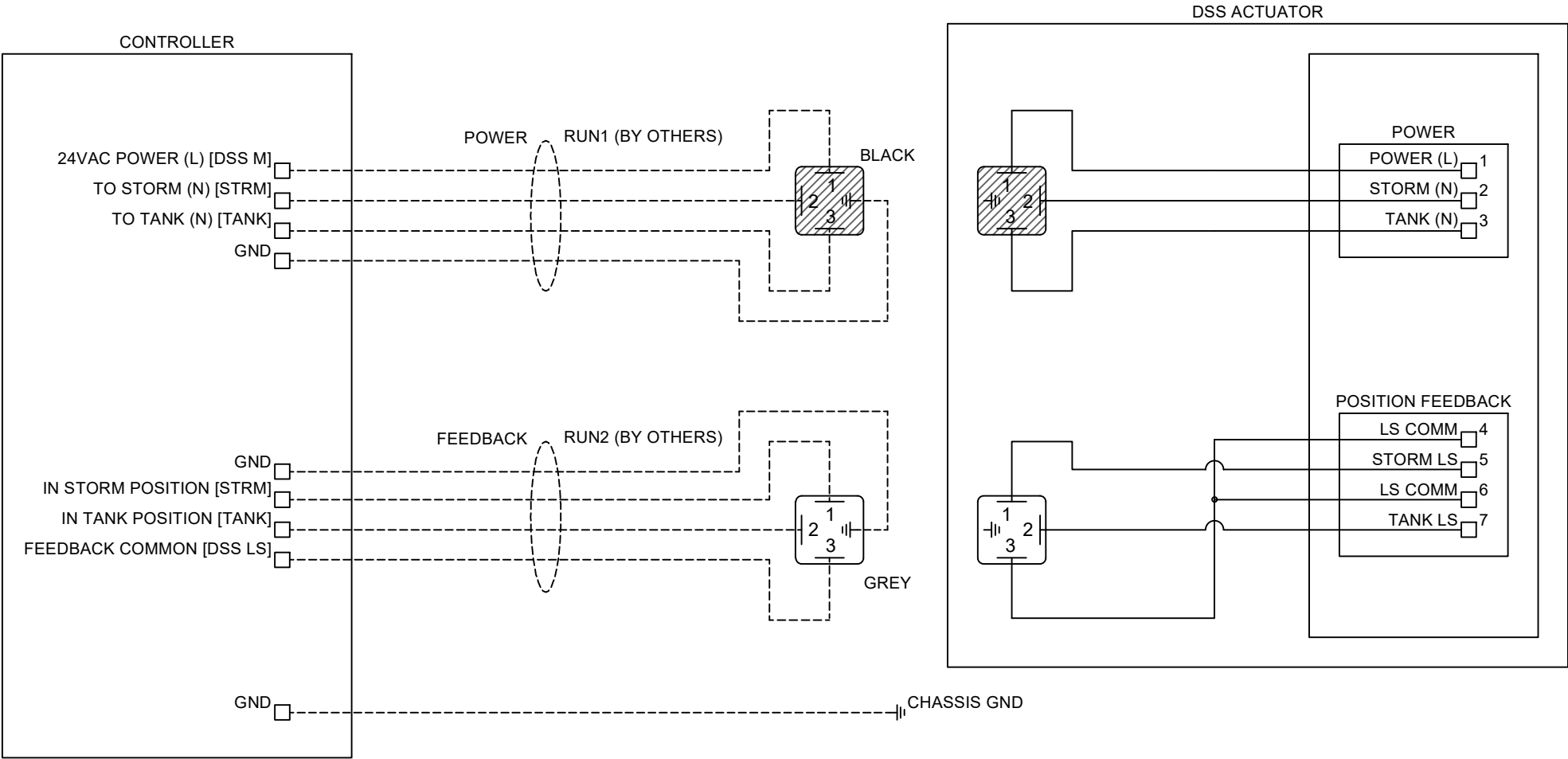
SIZE: B

SCALE: NTS

805 CROWLEY AVE.  
KELOWNA, BC  
CANADA, V1Y 7G6  
P: 250-979-7205  
F: 250-979-7215

SHEET: 5  
OF: 6

ELECTRICAL SYMBOLS	
ENGLISH DESCRIPTION	SYMBOL
PANEL WIRE	—
FIELD WIRE	- - - -
CONTINUATION	▷
GROUND OR BOND	≡
TERMINAL BLOCK	□
QUICK CONNECT MALE	∨
QUICK CONNECT FEMALE	∨
PUSH BUTTON	⋈
N.O. SWITCH	⋈
N.O. FLOAT SWITCH	⋈
N.O. PRESSURE SWITCH	⋈
N.O. FLOW SWITCH	⋈
N.O. LIMIT SWITCH	⋈
COIL	⊙
N.O. CONTACT	⋈
N.C. CONTACT	⋈
BREAKER	⋈
FUSE	⊠
SURGE SUPPRESSOR	⊠
OVERLOAD	⊠
MOTOR	⊙
SOLENOID VALVE	⊙
LIGHT	⊙
CAPACITOR	⊠
BATTERY	⊠
DIODE	⊠
FLOW METER	⊙
PRESSURE TRANSDUCER	⊠
VFD OR POWER SUPPLY	⊠
DUAL VOLTAGE TRANSFORMER	⊠
TRANSFORMER	⊠
RECTIFIER	⊠



**ACTUATOR:**  
VOLTAGE: 24VAC  
INRUSH: 35.00A  
HOLDING: 00.75A  
REC. WIRE: 14AWG 3 CONDUCTOR + GND

DRY CONTACT POSITION FEEDBACK (N.O.)  
REC. WIRE: 18AWG 3 CONDUCTOR + GND

# DIVERTER STRAINER SYSTEM

0010-4666



See Specification Sheet for product data.

## + ADD-ONS

The 30" DSS is compatible with the H-20 Traffic and Pedestrian rated access hatches. (sold separately)



Water management is about making the water work for the specific needs of your aquatic play design and surrounding infrastructure.

Work with our in-house support teams to find the best solutions for your space.

## HIGHLIGHTS:

The diverter strainer system (DSS) is designed to strain and divert water to the holding tank when the splash park is in service and to divert waste water away outside of daily operational hours.

- Comes with motorized actuator and butterfly valve
- Integrates with the smartPLAY™ CONTROLLER
- Constructed of 30" HDPE corrugated tubing

**CATEGORY:** Diverter Strainer Systems

**PRODUCT LINE:** Water Management



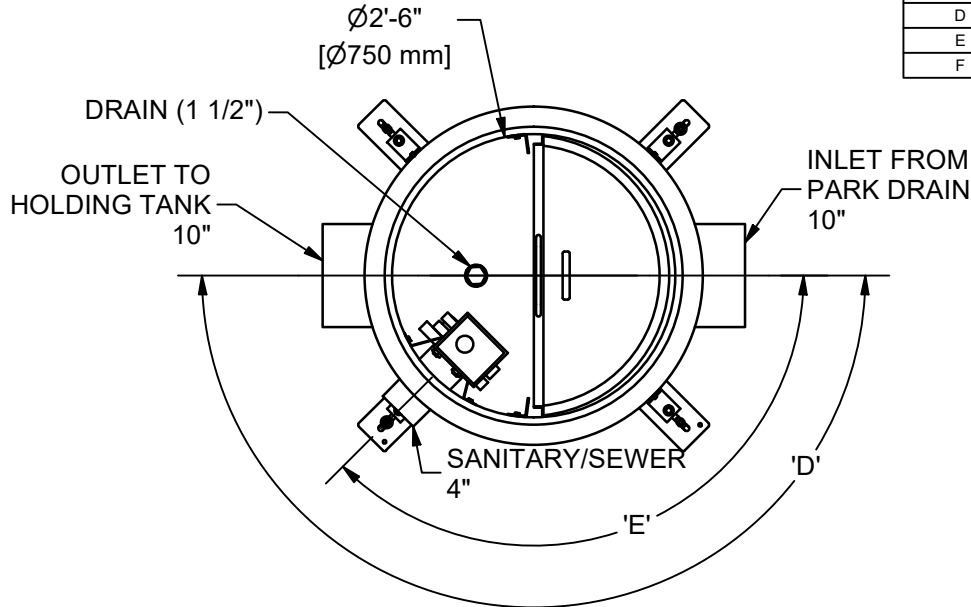
1.800.590.5552 (USA & CAN) | +1 (250) 712.3393 (INTL)  
info@waterplay.com | www.waterplay.com

For full product specification details, please refer to the product specification document. Due to our continuing product improvement program, Waterplay reserves the right to change the product specifications without notice. All product designs at all times remain the property of Waterplay or are used under license and cannot be used or reproduced without written permission.

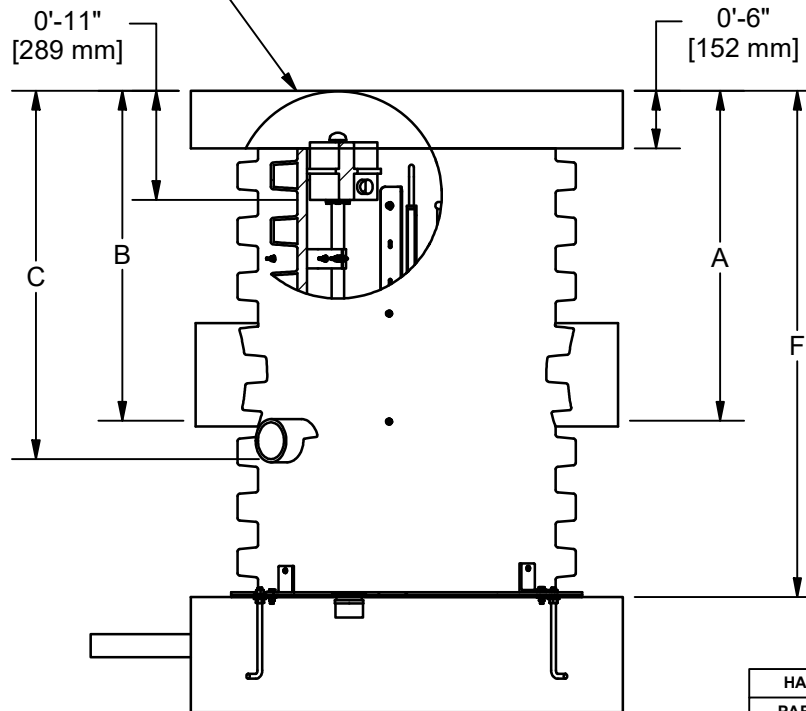
# DIVERTER STRAINER SYSTEM 30IN ID

0010-4666

DIMENSION	VALUE (in.)
A	34
B	34
C	38
D	180°
E	135°
F	52



HATCH SOLD SEPARATELY




## INCLUDES:

- ACTUATOR VALVE
- STRAINER BASKET
- MOUNTING FRAME

FOOTING BY OTHER, REFER TO LOCAL CODE / BASE  
DE BÉTON PAR D'AUTRES, SE RÉFÉRER AU CODE LOCAL

## HATCH OPTIONS (SOLD SEPARATELY)

PART ID	DESCRIPTION
0000-1606	HATCH PEDESTRIAN RATED
0000-2486	HATCH H20 RATED

RECOMMENDED SPRAY AREA / ZONE D'ASPERION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		DRAWING ID:	SHEET: 1
-/-	-/-	-/-	-/-	-/-	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	<b>0010-4666</b>	OF: 1
NOZZLES / BUSES		-	MASS:	N/A	DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]		
				ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			
				TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.			
				REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.			
				SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.			
				805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com			

# HATCH / PEDESTRIAN RATED

0000-1606



## RECOMMENDED ADD-ON

### LINE-X® PROTECTIVE COATING

Protect your access hatch from the elements with a LINE-X® protective coating. This durable coating is not only essential to prolonging the life of your investment but to also safeguard bare feet from surfaces prone to environmental temperature changes.

### LINE-X® FEATURES

Slip Resistant  
UV Protection  
Doesn't Fade or Discolour  
Enhances Durability  
Environmentally Friendly

LINE-X® coating is available upon request and is sold separately.



See Specification Sheet for product data.



## PEDESTRIAN HATCH LIGHT DUTY PEDESTRIAN RATED

For light pedestrian traffic areas only that can handle 300 psf.

## HIGHLIGHTS:

- Provides easy and secure access to your water management components.
- Aluminium tread plate.
- Tamper resistant with locking provisions (lock not supplied).
- Designed to withstand corrosive environments.
- Pedestrian hatch provides 300 psf pedestrian fall through protection.

## COMPATIBILITY:

Both hatches are compatible with the following water management elements by Waterplay:



**DIVERTER STRAINER SYSTEM**  
DSS & YOUR CHOICE OF ACCESS  
HATCH SOLD SEPERATLY



**HOLDING TANK**  
HOLDING TANK & YOUR CHOICE OF  
ACCESS HATCH SOLD SEPARATELY

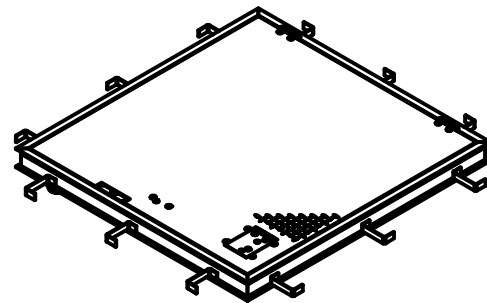
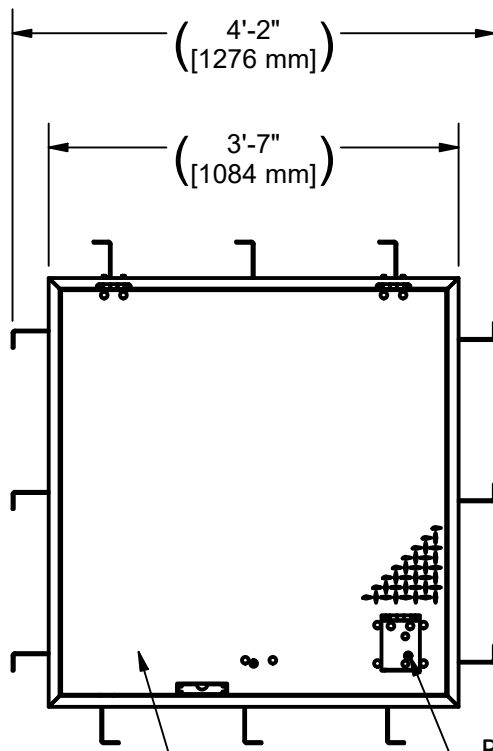
**CATEGORY:** Access Hatches

**PRODUCT LINE:** Water Management



1.800.590.5552 (USA & CAN) | +1 (250) 712.3393 (INTL)  
info@waterplay.com | www.waterplay.com

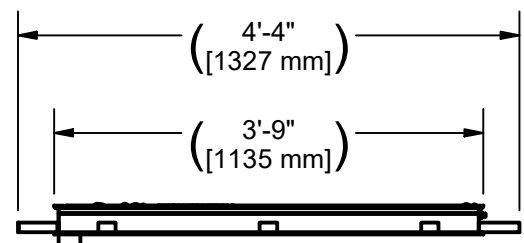
For full product specification details, please refer to the product specification document. Due to our continuing product improvement program, Waterplay reserves the right to change the product specifications without notice. All product designs at all times remain the property of Waterplay or are used under license and cannot be used or reproduced without written permission.



RECESSED LOCKING HATCH  
LOCK BY OTHER


CHECKER PLATE FINISH STANDARD

(0'-3"  
[76 mm])



**NOTE:**  
ENGINEERING REVIEW FOR STRUCTURAL LOADING REQUIRED BY OTHER  
FOOTINGS MAY BE REQUIRED

**\*IT IS RECOMMENDED THAT TUFF COAT OR SIMILAR  
METAL ENAMEL PAINT BE APPLIED TO THE LID  
AFTER INSTALLATION FOR HEAT DISSIPATION\***

RECOMMENDED SPRAY AREA / ZONE D'ASPERION POTENTIELLE			FLOW RATE / DÉBIT D'EAU		COMPONENT INCLUDES: (IF REQUIRED) / INCLUS AVEC LE JEU (SI REQUISE)	INITIAL:	
R (ft/mm)	L (ft/mm)	W (ft/mm)	GPM/LPM	PSI/kPa		DRAWING ID:	SHEET: 1
-/-	-/-	-/-	-/-	-/-	-SERVICE TOOLS / OUTILS -SPRAY NOZZLES / BUSES DE PERFORMANCE	<b>0000-1606</b>	OF: 1
NOZZLES / BUSES			MASS: 85.1 lbmass		DIMENSIONAL ACCURACY / PRÉCISION DIMENSIONNELLE +/- 1" [25mm]		
			ALL PLANS AND DESIGNS AT ALL TIMES REMAIN THE PROPERTY OF THE WATERPLAY AND CANNOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.			REFER TO THE COMPONENT WRITTEN SPECIFICATION DOCUMENT FOR COMPLETE PRODUCT SPECIFICATIONS. WATERPLAY RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE.	
			TOUS LES PLANS ET DESSINS QUE WATERPLAY ONT CONÇUS, LEUR APPARTIENNENT ET NE PEUVENT ÊTRE UTILISÉS OU REPRODUITS SANS AVOIR UNE PERMISSION ÉCRITE DE LEUR PART.			SE RÉFÉRER AU DOCUMENT DE SPÉCIFICATION ÉCRIT POUR LES DÉTAILS COMPLET DU PRODUIT. WATERPLAY A LE DROIT DE CHANGER CES DERNIERS SANS PRÉAVIS.	
						805 CROWLEY AVE. KELOWNA, BRITISH COLUMBIA CANADA, V1Y 7G6 P: 250-712-3393 F: 250-861-4814 E: design@waterplay.com W: waterplay.com	

## ANCHORING SYSTEM



playPHASE™ is the industry's only flush to grade, tamper resistant, removable aquatic play feature anchoring system.

Don't limit the possibilities of your next aquatic play project. Phase your installation, switch out spray features or plan for future expansions with **playPHASE™**, a flush-to-grade anchoring system exclusive to Waterplay®.



Prepare your project site before the spray features arrive



Sleek and seamless for a flawless play space



Compatible with any Waterplay aquatic feature



Flush-to-grade design safely conceals hardware



Simplified installation for a perfect concrete pour every time



No toe guards or dome covers required!



playPHASE™ nozzle works with low, medium and high flow rates

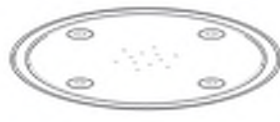


## CHOOSE A PLAYPHASE™

SETTING TO MEET PROJECT TIMELINES,  
PLAN FOR FUTURE EXPANSIONS AND  
EASILY RETROFIT OR UPDATE YOUR SPACE!



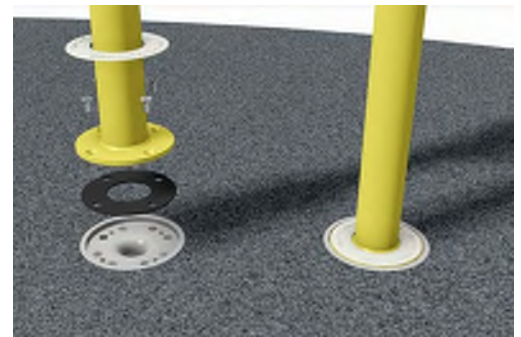
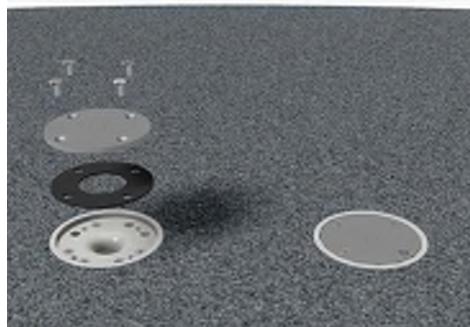
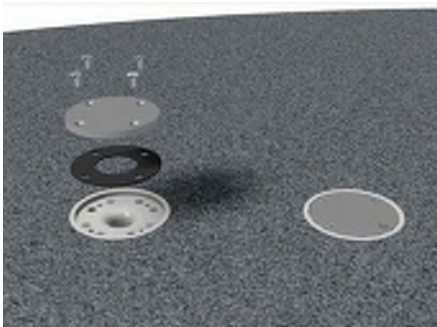
winter cap/  
blank



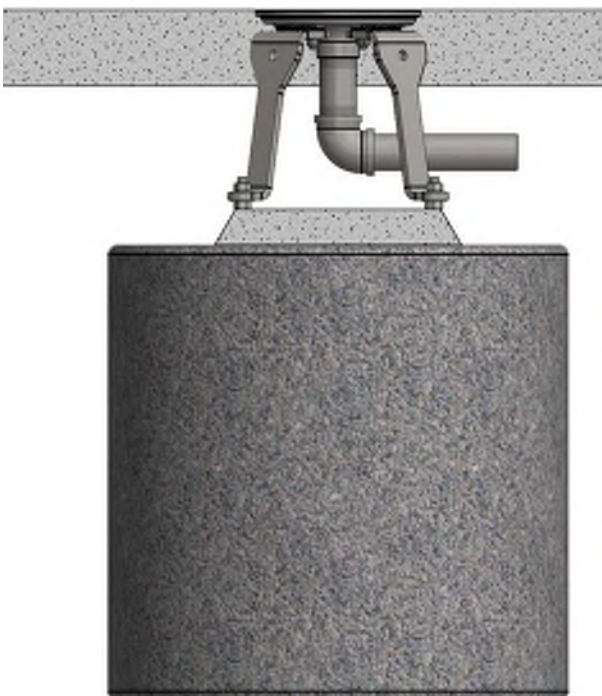
performance spray  
nozzle



freestanding  
play feature



BELOW GRADE



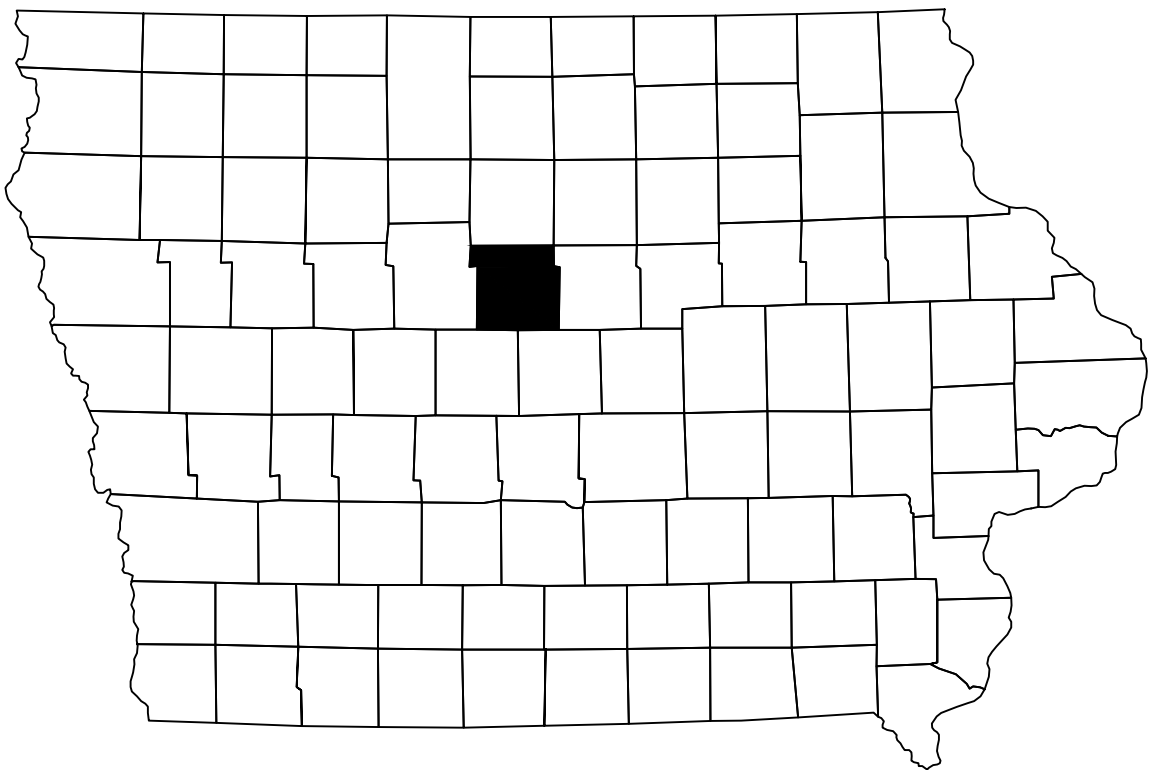
playPHASE™  
(threaded female coupler included)

Universal  
footing

one **standardized  
footing** and water  
inlet let you anchor  
any play feature!

CONSTRUCTION PLANS  
FOR  
EAST TWIN PARK SPLASH PAD  
1100 SUPERIOR ST,  
WEBSTER CITY, IA 50595

OWNER / DEVELOPER  
CITY OF WEBSTER CITY  
PARKS AND RECREATION  
CONTACT: BIRIDIANA BISHOP  
400 SECOND STREET  
WEBSTER CITY, IA 50595  
515-832-9151



CITY OF WEBSTER CITY, HAMILTON COUNTY, IOWA



VICINITY MAP

SCALE: NTS

Sheet List Table

C000	TITLE SHEET
C001	PROJECT INFORMATION
C100	DEMOLITION PLAN
C200	LAYOUT PLAN
C300	UTILITY PLAN
C400	GRADING PLAN
C500	DETAIL SHEET
C501	DETAIL SHEET - ADD ALTERNATE 3
E000	ELECTRICAL SITE PLAN
	WATERPLAY CONCEPTUAL LAYOUT

STATE OF IOWA

CLAY R. SCHNECKLOTH

LANDSCAPE ARCHITECT

NO. 512

PROFESSIONAL LANDSCAPE ARCHITECT

License Expires:  
June 30, 2023

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly licensed Professional Landscape Architect under the laws of the State of Iowa.

Clay R. Schneckloth, PLA \_\_\_\_\_ Date \_\_\_\_\_

License Number 512 \_\_\_\_\_

Pages or sheets covered by this seal: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

EAST TWIN PARK SPLASH PAD (PR 9-24-001-1)

TITLE SHEET

WEBSTER CITY, IA

SNYDER & ASSOCIATES, INC. |

2727 S.W. SNYDER BLVD  
ANKENY, IOWA 50023  
515-964-2020 | www.snyder-associates.com



Project No: 123.0256.01

Sheet C000

Project No: 123.0256.01

Sheet C000

WEBSTER CITY, IA

TITLE SHEET

SNYDER & ASSOCIATES, INC. |

2727 S.W. SNYDER BLVD  
ANKENY, IOWA 50023  
515-964-2020 | www.snyder-associates.com



Project No: 123.0256.01

Sheet C000

Project No: 123.0256.01

Sheet C000

LEGEND

FEATURES	EXISTING	PROPOSED
Spot Elevation	X 1225.25	X 1225.25
Contour Elevation	X	X
Fence (Barbed, Field, Hog)	//	//
Fence (Chain Link)	□	□
Fence (Wood)	□	□
Fence (Silt)	□	□
Tree Line	○	○
Tree Stump	○	○
Deciduous Tree \\\ Shrub	○	○
Coniferous Tree \\\ Shrub	○	○
Communication	C(*)	C
Overhead Communication	OC(*)	OC
Fiber Optic	FO(*)	FO
Underground Electric	E(*)	E
Overhead Electric	OE(*)	OE
Gas Main with Size	G(*)	G
High Pressure Gas Main with Size	HPG(*)	HPG
Water Main with Size	W(*)	W
Sanitary Sewer with Size	S(*)	S
Duct Bank	DUCT(*)	DUCT
Test Hole Location for SUE w/D	⊗	⊗
Sanitary Manhole	⊗	⊗
Storm Sewer with Size	ST(*)	ST
Storm Manhole	⊗	⊗
Single Storm Sewer Intake	⊗	⊗
Double Storm Sewer Intake	⊗	⊗
Fire Hydrant	⊗	⊗
Fire Hydrant on Building	⊗	⊗
Water Main Valve	⊗	⊗
Water Service Valve	⊗	⊗
Well	⊗	⊗
Utility Pole	⊗	⊗
Guy Anchor	⊗	⊗
Utility Pole with Light	⊗	⊗
Utility Pole with Transformer	⊗	⊗
Street Light	⊗	⊗
Yard Light	⊗	⊗
Electric Box	⊗	⊗
Electric Transformer	⊗	⊗
Traffic Sign	⊗	⊗
Communication Pedestal	⊗	⊗
Communication Manhole	⊗	⊗
Communication Handhole	⊗	⊗
Fiber Optic Manhole	⊗	⊗
Fiber Optic Handhole	⊗	⊗
Gas Valve	⊗	⊗
Gas Manhole	⊗	⊗
Gas Apparatus	⊗	⊗
Fence Post or Guard Post	⊗	⊗
Underground Storage Tank	⊗	⊗
Above Ground Storage Tank	⊗	⊗
Sign	⊗	⊗
Satellite Dish	⊗	⊗
Mailbox	⊗	⊗
Sprinkler Head	⊗	⊗
Irrigation Control Valve	⊗	⊗

(\*) Denotes the survey quality service level for utilities

NOTES

- BUILDING LINES AND CORNERS ARE FOR USE IN PREPARING CIVIL SITE PLAN DOCUMENTS. BUILDING CORNERS AND BUILDING LINES SHOULD BE SPECIFICALLY VERIFIED, AS NECESSARY, PRIOR TO DESIGN FOR CONSTRUCTION OF ANY PROPOSED EXPANSION OR CONNECTION OF BUILDING COMPONENTS.
- FOR CLARITY PURPOSES, SURVEY SPOT ELEVATIONS ARE NOT SHOWN ON THIS SURVEY, BUT ARE CONTAINED WITHIN THE DIGITAL CADD FILES.
- FOR THE PURPOSE OF THIS SURVEY, STORM SEWER, SANITARY SEWER AND WATER MAIN LINES ARE ASSUMED TO FOLLOW A STRAIGHT LINE FROM STRUCTURE TO STRUCTURE.
- UTILITY SERVICE LINES TO BUILDINGS ARE APPROXIMATE ONLY. AN INTERNAL BUILDING INVESTIGATION, EXCAVATION AND/OR SUBSURFACE LOCATING/DESIGNATING WOULD NEED TO BE PERFORMED TO DETERMINE THE LOCATION OF SERVICES ENTERING THE BUILDING.
- UNDERGROUND PIPE MATERIALS AND SIZES ARE BASED UPON VISIBLE EVIDENCE VIEWED FROM ACCESS MANHOLES/STRUCTURES. DUE TO THE CONFIGURATION AND/OR CONSTRUCTION OF THE STRUCTURE, IT MAY BE DIFFICULT TO ACCURATELY DETERMINE THE PIPE MATERIAL AND/OR SIZE. THE SURVEYOR WILL USE THEIR JUDGMENT AND EXPERIENCE TO ATTEMPT TO DETERMINE, BUT COMPLETE ACCURACY CANNOT BE GUARANTEED.

UTILITY QUALITY SERVICE LEVELS

QUALITY LEVELS OF UTILITIES ARE SHOWN IN THE PARENTHESES WITH THE UTILITY TYPE AND WHEN APPLICABLE, SIZE. THE QUALITY LEVELS ARE BASED ON THE CI / ASCE 38-02 STANDARD. QUALITY LEVEL (D) INFORMATION IS DERIVED FROM EXISTING UTILITY RECORDS OR ORAL RECOLLECTIONS. QUALITY LEVEL (C) INFORMATION IS OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION WITH QUALITY D INFORMATION. QUALITY LEVEL (B) INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL (A) IS HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES OBTAINED BY ACTUAL EXPOSURE OR VERIFICATION OF PREVIOUSLY EXPOSED SUBSURFACE UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.

CONTROL POINTS

IOWA REGIONAL COORDINATE SYSTEM ZONE #4 NAD83(2011)(EPOCH 2010.00) IARTN DERIVED - US SURVEY FEET

- CP 1 N=8577087.38 E=14774904.25 Z=1029.82  
CUT 'X' IN NOSE CURB SE QUAD DUBUQUE & UNION, +/-2' WEST OF GUY ANCHOR.
- CP 2 N=8577326.75 E=14774857.12 Z=1031.09  
CUT 'X' IN SOUTH CORNER INTAKE WEST QUAD BANK & UNION
- CP 3 N=8577327.65 E=14774586.31 Z=1035.07  
CUT 'X' EAST END RAMP, TOP OF CURB @ SUPERIOR & BANK, NORTHEAST QUAD
- CP 4 N=8577097.75 E=14774574.49 Z=1034.21  
CUT 'X' TOP OF CURB, EAST SIDE OF SUPERIOR

BENCHMARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 - GEOID12A) IARTN DERIVED - US SURVEY FEET

- BM500 ELEV=1035.07  
SOUTH CORNER LIGHT POLE BASE @ NE QUAD OF BANK & SUPERIOR

DATE OF SURVEY

FEBRUARY 22,2023

NOTES

- NOTIFY UTILITY PROVIDERS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES AND COORDINATE WITH UTILITY PROVIDERS AS NECESSARY DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION, AND DEPTH OF ALL UTILITIES. PROTECT ALL UTILITY LINES AND STRUCTURES NOT SHOWN FOR REMOVAL OR MODIFICATION. ANY DAMAGES TO UTILITY ITEMS NOT SHOWN FOR REMOVAL OR MODIFICATION SHALL BE REPAIRED TO THE UTILITY OWNER'S SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.
- CONSTRUCTION OF ALL STREET AND UTILITY IMPROVEMENTS SHALL CONFORM TO THE 2023 SDAS STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS. THE CITY OF WEBSTER CITY SUPPLEMENTAL SPECIFICATIONS.
- LENGTH OF UTILITIES SHOWN ON PLANS ARE DIMENSIONED FROM CENTERLINE OF STRUCTURE TO CENTERLINE OF STRUCTURE.
- ALL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). WHEN CONSTRUCTION ACTIVITIES OBSTRUCT PORTIONS OF THE ROADWAY, FLAGGERS SHALL BE PROVIDED. FLAGGERS SHALL CONFORM TO THE MUTCD IN APPEARANCE, EQUIPMENT AND ACTIONS.
- NOTIFY OWNER, ENGINEER, AND CITY OF WEBSTER CITY PUBLIC WORKS AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
- CONSTRUCT MANHOLES AND APPURTENANCES AS WORK PROGRESSES. BACKFILL WITH SUITABLE MATERIAL AND COMPACT TO 95% MAXIMUM DENSITY.
- IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.
- ALL FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED AND NOTED ACCORDINGLY ON THE AS-BUILT DOCUMENTS.
- DIMENSIONS, BUILDING LOCATION, UTILITIES AND GRADING OF THIS SITE ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. DEVIATIONS MAY BE NECESSARY IN THE FIELD. ANY SUCH CHANGES OR CONFLICTS BETWEEN THIS PLAN AND FIELD CONDITIONS ARE TO BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT VERIFICATION OF ALL SITE IMPROVEMENTS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO LOAD AND TRANSPORT ALL MATERIALS CONSIDERED TO BE UNDESIRABLE TO BE INCORPORATED INTO THE PROJECT TO AN APPROVED OFF-SITE WASTE SITE.
- CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE CUT OR FILLED. RESPREAD TO MINIMUM 8" DEPTH TO FINISH GRADES.
- ALL PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISHED GRADES AND/OR TOP OF PAVING SLAB (GUTTER), UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS RESPONSIBLE FOR CLEANING DIRT AND DEBRIS FROM NEIGHBORING STREETS, DRIVEWAYS, AND SIDEWALKS CAUSED BY CONSTRUCTION ACTIVITIES IN A TIMELY MANNER.
- THE ADJUSTMENT OF ANY EXISTING UTILITY APPURTENANCES TO FINAL GRADE IS CONSIDERED INCIDENTAL TO THE SITE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING ANY EXISTING EROSION CONTROL MEASURES ON SITE AT THE TIME OF CONSTRUCTION. GRADING AND SOIL EROSION CONTROL CODE REQUIREMENTS SHALL BE MET BY CONTRACTOR. A GRADING PERMIT IS REQUIRED FOR THIS PROJECT.
- CONTRACTOR TO COORDINATE NATURAL GAS, ELECTRICAL, TELEPHONE AND ANY OTHER FRANCHISE UTILITY SERVICES WITH UTILITY SERVICE PROVIDER, AND THE CITY OF WEBSTER CITY PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY ALL UTILITY CROSSINGS AND MAINTAIN MINIMUM 18" VERTICAL AND HORIZONTAL CLEARANCE BETWEEN UTILITIES. CONTRACTOR TO COORDINATE UTILITY ROUTING TO BUILDING AND VERIFY CONNECTION LOCATIONS AND INVERTS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL CITY-OWNED SIGNAGE.
- CONTRACTOR TO PROVIDE CONSTRUCTION STAKING.

PROJECT DESCRIPTION - BASE BID

EAST TWIN PARK SPLASH PAD PROJECT INCLUDES INSTALLATION OF THE PROPOSED SPLASH PAD EQUIPMENT THAT IS PROVIDED BY THE OWNER. ALSO INCLUDES DEMOLITION OF EXISTING PAVEMENT AND VEGETATION, EARTHWORK, SANITARY SEWER, STORM SEWER, WATER SERVICE, ELECTRICAL SERVICE, COLORED PCC PAVEMENT, STANDARD PCC PAVEMENT, SURFACE RESTORATION AND MISCELLANEOUS ASSOCIATED WORK NECESSARY FOR A COMPLETE AND OPERATIONAL SPLASH PAD.

CONTRACTOR TO PICK UP SPLASH PAD COMPONENTS PURCHASED BY OWNER AT WEBSTER CITY STREET DEPARTMENT BUILDING:

100 E. OHIO ST. WEBSTER CITY, IA 50595 .

CONTRACTOR COORDINATE AND INSTALL SPLASH PAD COMPONENTS PER MANUFACTURER'S SPECIFICATIONS, RECOMMENDATIONS AND REQUIREMENTS.

ADD ALTERNATES

ALTERNATE #1 - ADD PARKING STALLS AND CONNECTING SIDEWALK. SEE PLANS FOR ADDITIONAL INFORMATION.

ALTERNATE #2 - ADD WALKWAY FROM SHELTER AREA TO PLAYGROUND AND BASKETBALL COURT AREAS. SEE PLANS FOR ADDITIONAL INFORMATION.

ALTERNATE #3 - FURNISH AND INSTALL 20' X 24' SHELTER AND ASSOCIATED FOOTINGS. SEE PLANS FOR ADDITIONAL INFORMATION.

UTILITY CONTACT INFORMATION

UTILITY CONTACT FOR MAPPING INFORMATION SHOWN AS RECEIVED FROM THE IOWA ONE CALL DESIGN REQUEST SYSTEM, TICKET NUMBER 552300020.

C1 COMMUNICATION	PLATINUM CONNECT, LLC Jake Van Roekel 712-722-3451 jakevr@mypremieronline.com
S-SANITARY SEWER W1-WATER ST-STORM SEWER	WEBSTER CITY, CITY OF Brandon Bahrenfuss 515-297-1620 CONTACT EMAIL: bbahrenfuss@webstercity.com
C3-COMMUNICATION	MEDIACOM Mike Hollinger 641-210-2883 mhollinger@mediacomcc.com
OE1-OVERHEAD ELECTRIC UE1-UNDERGROUND ELECTRIC STREET LIGHTING	WEBSTER CITY ELECTRIC Adam Dickinson 515-832-9159 adam@webstercity.com
G1-GAS MAIN	BLACKHILLS ENERGY WEB CITY Mike Broshous 515-987-8971 mike.broshous@blackhillscorp.com
CO2-COMMUNICATION	LUMEN (CENTURYLINK) Robin DePenning 503-440-0309 robinson.depenning@lumen.com



EAST TWIN PARK SPLASH PAD (PR 9-24-001-1)

PROJECT INFORMATION

WEBSTER CITY, IA

SNYDER & ASSOCIATES, INC. |



Project No: 123.0256.01

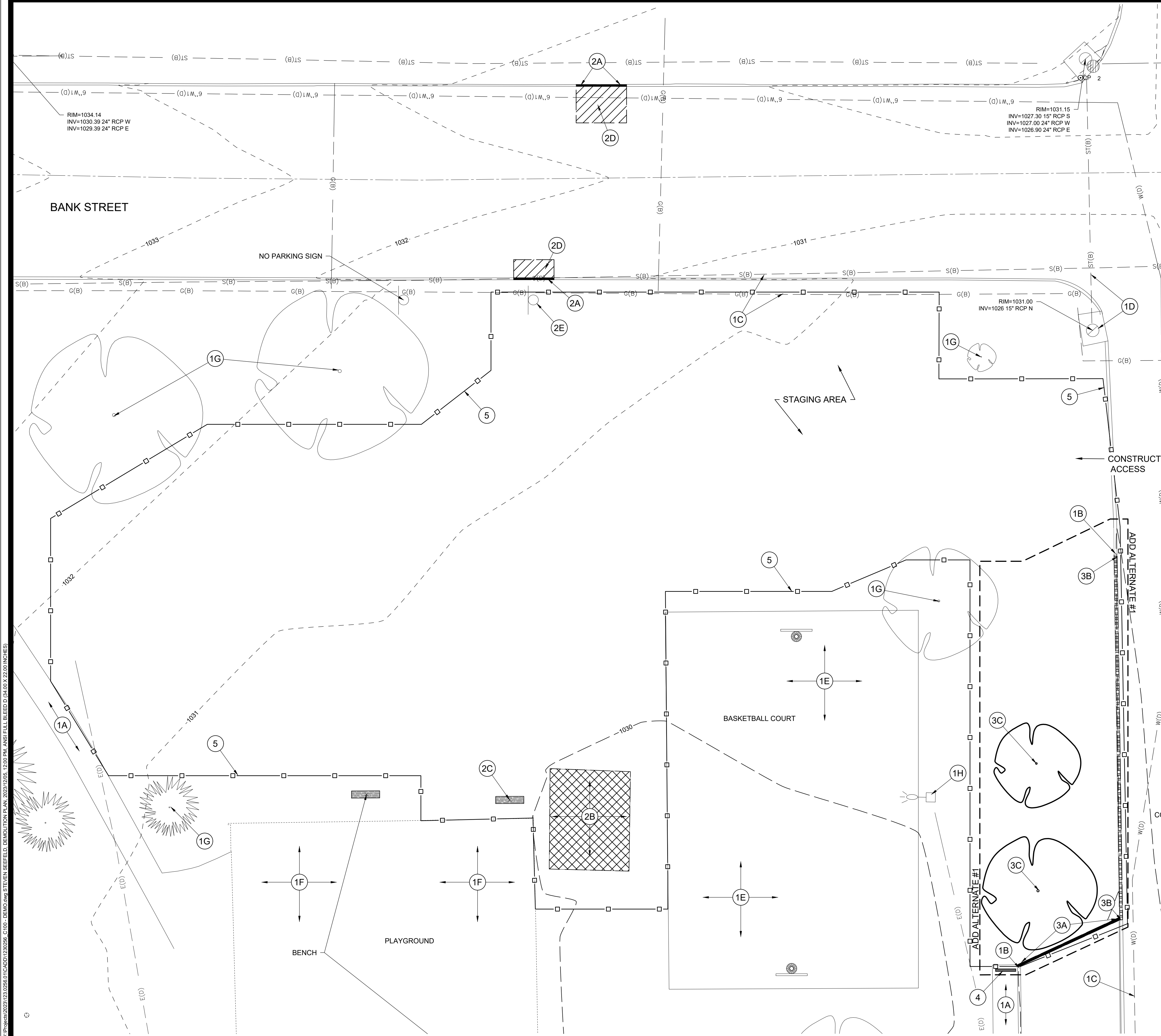
Sheet C001

2727 S.W. SNYDER BLVD  
ANKENY, IOWA 50023  
515-964-2020 | www.snyder-associates.com

Sheet C001

Project No: 123.0256.01

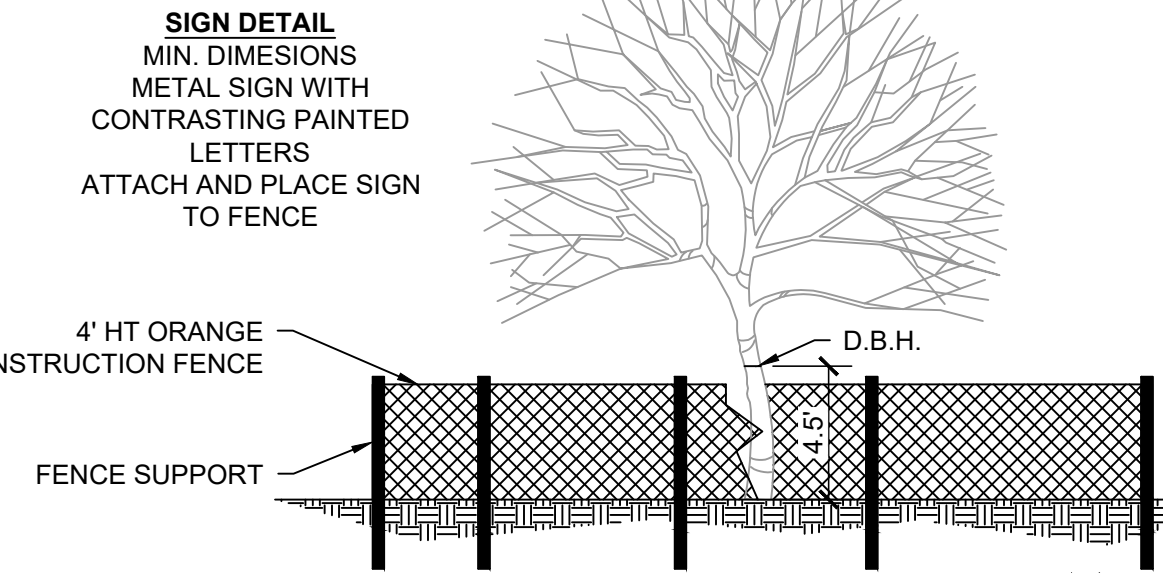
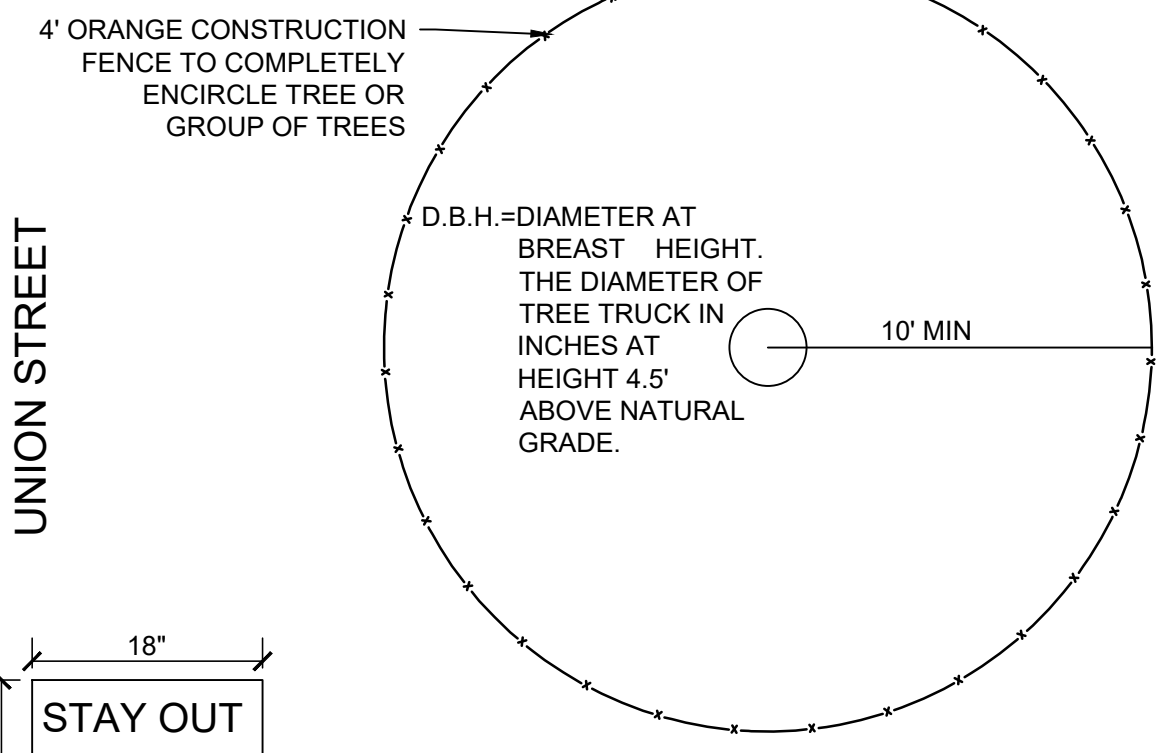
V:\Projects\2023\123.0256\123.0256.DEMO.DWG STEVEN SEELE, DEMOLITION PLAN, 2023/12/05, 12:00 PM, ANSI FULL BLEED D (4.00 X 22.00 INCHES)



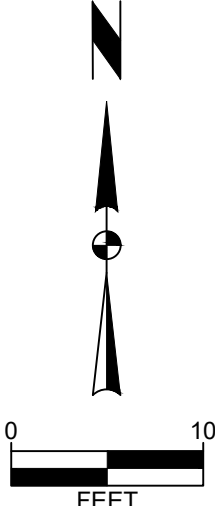
DEMOLITION NOTES

- EXISTING FEATURES. PROTECT THE FOLLOWING FROM DAMAGE:
  - SIDEWALK.
  - CURB.
  - UNDERGROUND UTILITY AND ASSOCIATED APPURTENANCES.
  - STORM SEWER PIPE AND INTAKE STRUCTURE.
  - BASKETBALL COURT.
  - PLAYGROUND AND SURFACING.
  - EXISTING TREES TO BE PROTECTED. THIS INCLUDES PROTECTING GROUND SURFACE UNDER THE TREE'S CANOPY/CRITICAL ROOT ZONE. CONTRACTOR TO PROVIDE TREE PROTECTION IN ACCORDANCE WITH TREE PROTECTION DETAIL ON THIS SHEET.
  - LIGHT POLE.
- REMOVE AND DISPOSE OF THE FOLLOWING ITEMS IN AN APPROVED OFF-SITE LOCATION:
  - PCC CURB. SAWCUT AND REMOVE TO FULL DEPTH.
  - DEMOLISH SHELTER AND PCC PAD. REMOVE CONCRETE TO FULL DEPTH INCLUDING FOOTINGS IF PRESENT.
  - REMOVE BENCH AND SALVAGE FOR OWNER.
  - PAVEMENT. SAWCUT AND REMOVE TO FULL DEPTH TO NEAREST JOINT.
  - SIGNAGE. REMOVE AND REINSTALL. COORDINATE WITH CITY FOR SIGN RELOCATION.
- ADD ALTERNATE 1: REMOVE AND DISPOSE OF THE FOLLOWING ITEMS IN AN APPROVED OFF-SITE LOCATION:
  - PCC CURB. SAWCUT AND REMOVE TO FULL DEPTH.
  - GRIND CURB TO LIMITS SHOWN. GRIND CURB TO ACCOMMODATE PROPOSED PARKING AND MAINTAIN GUTTER FLOW LINE.
  - REMOVE TREE. GRIND STUMP AND ROOT SYSTEM TO A DEPTH OF 12" BELOW FINISHED GRADE.
- PROVIDE AND MAINTAIN "SIDEWALK CLOSED" SIGNS IN LOCATIONS INDICATED ON THE PLAN DURING PARKING AND SIDEWALK CONSTRUCTION AND INSTALLATION.
- CONSTRUCTION FENCING. PROVIDE AND INSTALL 4' HT. ORANGE CONSTRUCTION FENCING FOR SITE PERIMETER AS SHOWN ON PLANS. ATTACH FENCING TO DRIVEN METAL 'T' POSTS OR OTHER FRAMEWORK IN PAVEMENT AREAS. MAINTAIN FENCE DURING CONSTRUCTION PERIOD.

- |  |             |  |                   |
|--|-------------|--|-------------------|
|  | GRIND CURB  |  | DEMOLISH BUILDING |
|  | REMOVE CURB |  | REMOVE PAVEMENT   |



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C100  
NO SCALE



EAST TWIN PARK SPLASH PAD (PR 9-24-001-1)

DEMOLITION PLAN

WEBSTER CITY, IA



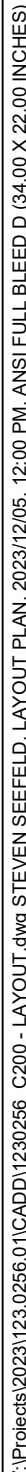
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SNYDER & ASSOCIATES, INC. |

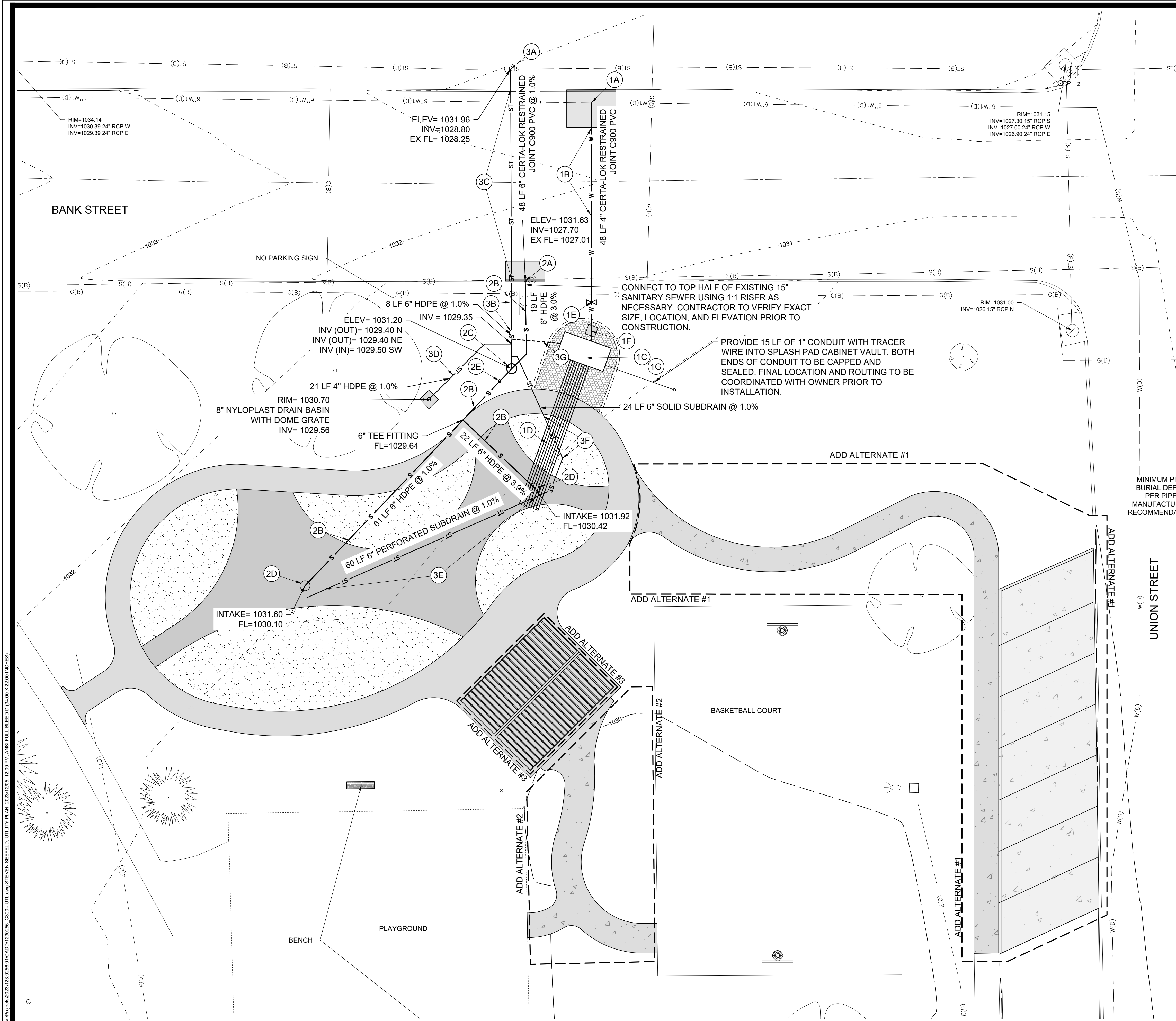
2727 S.W. SNYDER BLVD  
ANKENY, IOWA 50023  
515-964-2020 | www.snyder-associates.com

MARK	ENGINEER	TECHNICIAN	DATE	REVISION	BY
CS	SS	SS	12-05-2023	CD	1" = 10'
T-R-S: TTN-RRW-SS					Sheet C100
Project No: 123.0256.01					



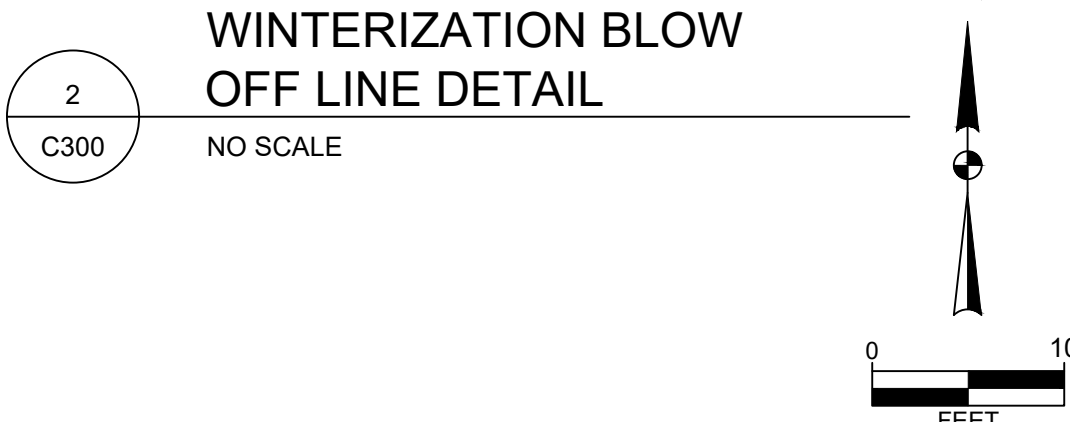
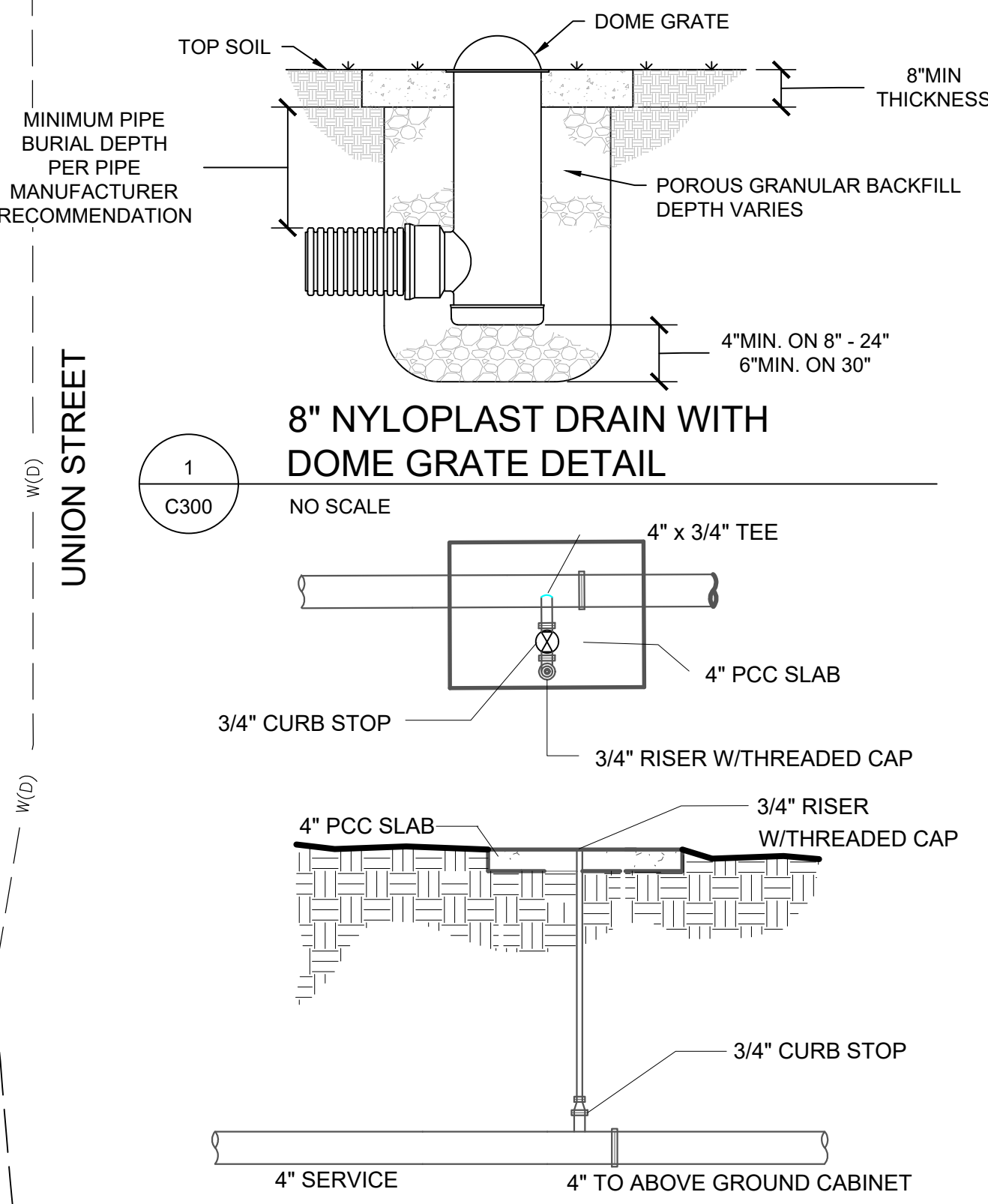
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V:\Projects\2023\123.0256\123.0256-UTL.dwg SNYDER SEELED, UTILITY PLAN, 2023/12/05, 12:00 PM, ANSI & FILL, BLEED D (14.00 X 22.00 INCHES)



UTILITY PLAN CONSTRUCTION NOTES

1. WATER SERVICES, PROVIDE THE FOLLOWING:  
(ALL WATER SERVICES TO BE INSTALLED WITH TRACER WIRE).  
A. CONNECT TO EXISTING WATER WITH 4" X 6" TAPPING SLEEVE AND VALVE. CONTRACTOR TO FIELD VERIFY LOCATION AND SIZE PRIOR TO CONSTRUCTION.  
B. 4" WATER SERVICE LINE, DIRECTIONALLY DRILL CERTA-LOK RESTRAINED JOINT C900 PVC WATERLINE UNDER ROAD.  
C. ABOVE GROUND METAL STRUCTURE ENCLOSURE. SEE SPLASH PAD LAYOUT DETAIL. LOCATION TO BE APPROVED ON SITE WITH OWNER.  
D. SCHEDULE 80 PVC, SEE SPLASH PAD DETAILS FOR WATER SERVICE LINES TO SPLASH PAD.  
E. 4" VALVE, INSTALLED PER CITY OF WEBSTER CITY STANDARDS.  
F. WINTERIZATION PIT, SEE DETAIL THIS SHEET.  
G. BACKFLOW PREVENTER, CONTRACTOR TO FURNISH AND INSTALL. COORDINATE WITH SPLASH PAD MANUFACTURER FOR REQUIREMENTS.
2. SANITARY SEWER SERVICES, PROVIDE THE FOLLOWING:  
(ALL SANITARY SEWER SERVICES TO BE INSTALLED WITH TRACER WIRE).  
A. CONNECT TO EXISTING SANITARY SEWER WITH MANUFACTURED Y FITTING AND CONCRETE COLLAR.  
B. 8" SANITARY SEWER SERVICE LINE AS SHOWN. INSTALL BY OPEN TRENCH AS SHOWN ON PLANS.  
C. DIVERTER STRAINER SYSTEM PROVIDED BY SPLASH PAD MANUFACTURER / OWNER. VERIFY INVERTS PRIOR TO CONSTRUCTION.  
D. SPLASH PAD DRAIN.  
E. 6" P-TRAP.
3. STORM SEWER SERVICES, PROVIDE THE FOLLOWING:  
A. CONNECT TO EXISTING STORM SEWER LINE. CONTRACTOR TO CORE DRILL INTO EXISTING STORM SEWER MAIN. ATTACH WITH CONCRETE COLLAR.  
B. 6" STORM SEWER SERVICE LINE AS SHOWN. INSTALL BY OPEN TRENCH AS SHOWN ON PLANS.  
C. 6" STORM SEWER SERVICE LINE, DIRECTIONALLY DRILL CERTA-LOK RESTRAINED JOINT C900 PVC SERVICE LINE UNDER ROAD.  
D. 4" HDPE STORM SEWER SERVICE LINE AS SHOWN. INSTALL BY OPEN TRENCH AS SHOWN ON PLANS.  
E. 6" PERFORATED SUBDRAIN.  
F. 6" SOLID SUBDRAIN.  
G. 4" HDPE DRAIN LINE



EAST TWIN PARK SPLASH PAD (PR 9-24-001-1)

UTILITY PLAN

WEBSTER CITY, IA

SNYDER & ASSOCIATES, INC.



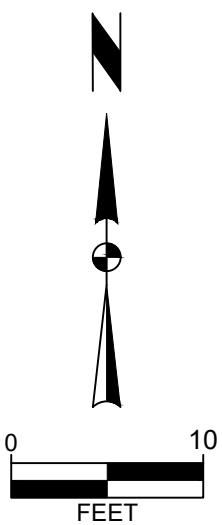
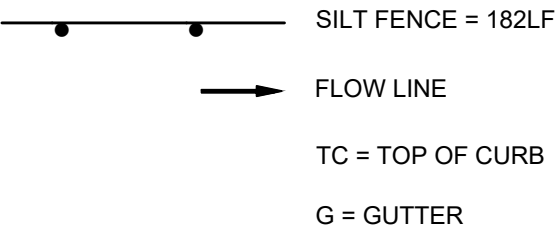
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Engineer: CS	Checked By: CD	Scale: 1" = 10'	
Technician: SS	Date: 12-05-2023	T-R-S: TTN-RRW-SS	

Sheet C300

Project No: 123.0256.01



- UTILITY WARNING:
  1. THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.
  2. NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.
  3. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISHED GRADES AND/OR TOP OF PAVING SLAB (GUTTER), UNLESS OTHERWISE NOTED.
  4. ALL STORM SEWER PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE FLARED END SECTION.
  5. CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE CUT OR FILLED. RESPREAD TO MINIMUM 6" DEPTH TO FINISH GRADES. IMPORT TOP SOIL AS SPECIFIED & AS NECESSARY TO MEET TOP SOIL DEPTH REQUIREMENTS.
  6. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING DIRT AND DEBRIS FROM STREETS, DRIVEWAYS, AND SIDEWALKS CAUSED BY CONSTRUCTION ACTIVITIES.
  7. CONTRACTOR TO CONDUCT CUT & FILL EARTHWORK OPERATIONS TO SUBGRADE ELEVATIONS. COMPACT PAVEMENT SUBGRADES AS SPECIFIED.



# ATTACHMENT A

[illegible]

Project No: 123.0256.01

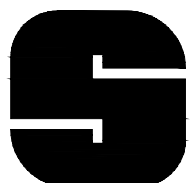
**EAST TWIN PARK SPLASH PAD (PR 9-24-001-1)**

# GRADING PLAN

**WEBSTER CITY, IA**

**SNYDER & ASSOCIATES, INC.** | 2727 S.W. SNYDER BLVD  
ANKENY, IOWA 50023  
515-964-2020 | [www.snyder-associates.com](http://www.snyder-associates.com)

ANKENY, IOWA 50023  
515-964-2020 | [www.snyder-associates.com](http://www.snyder-associates.com)



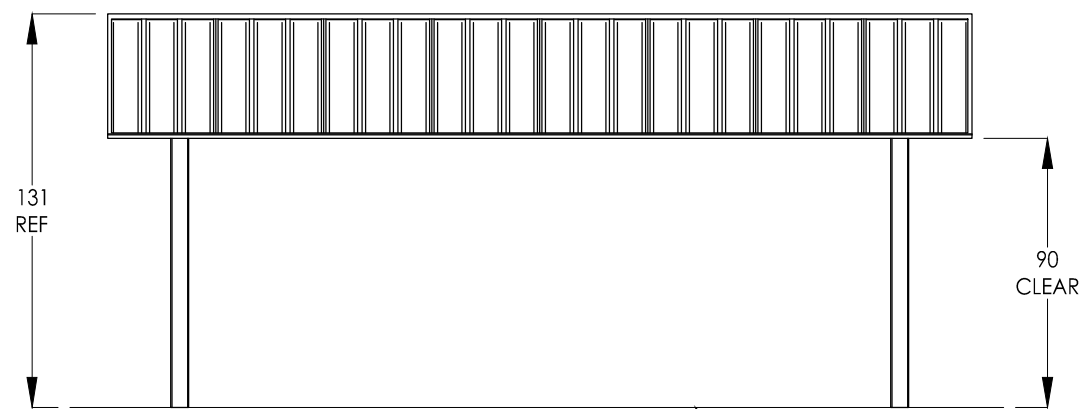
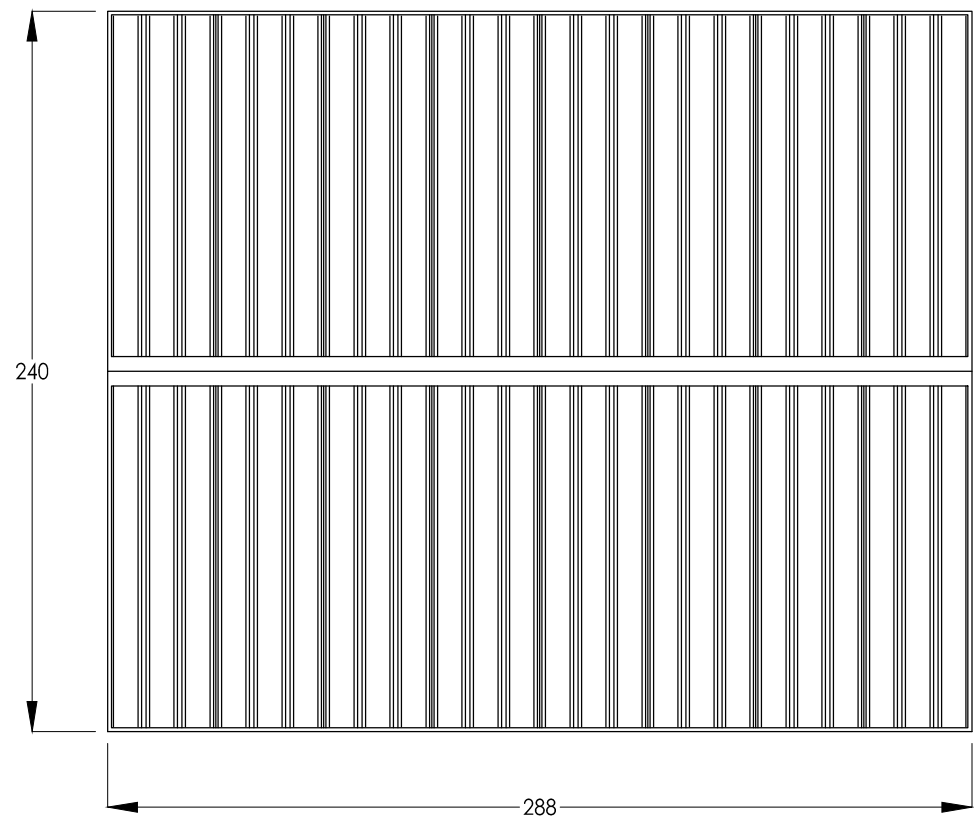
**SNYDER**  
**& ASSOCIATES**

Project No: 123.0256.01

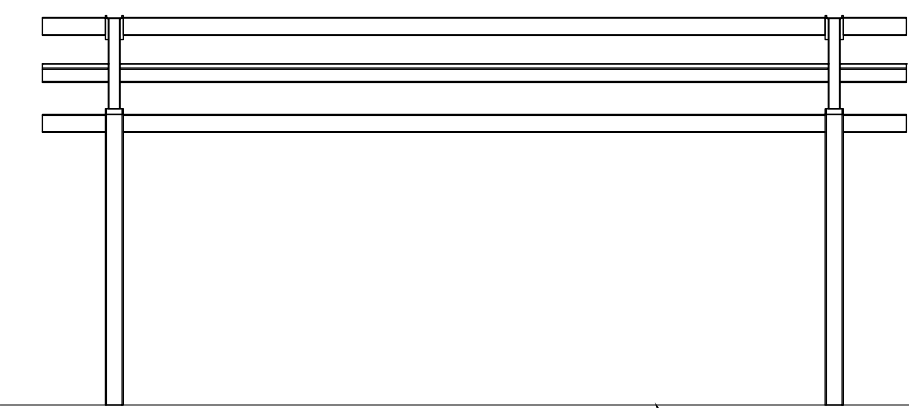
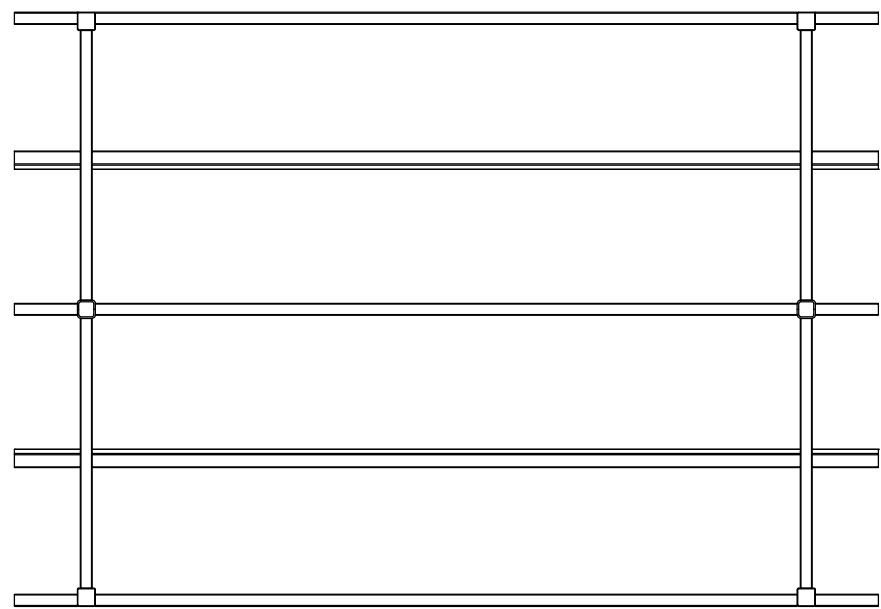
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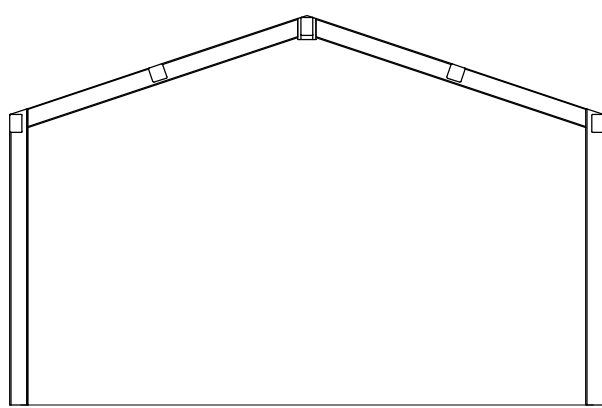
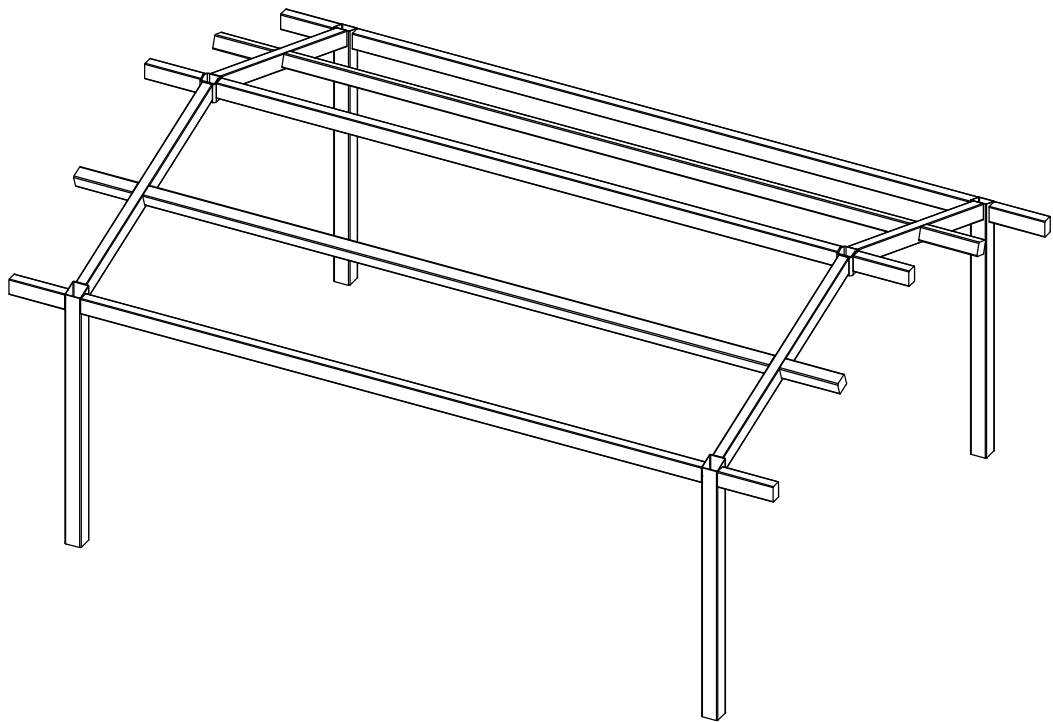
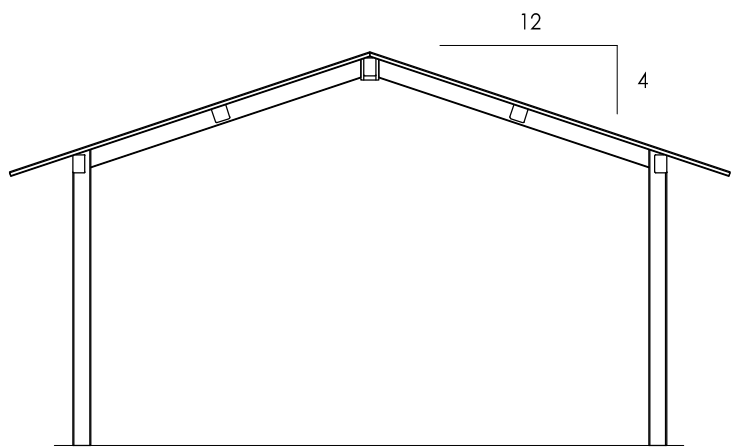
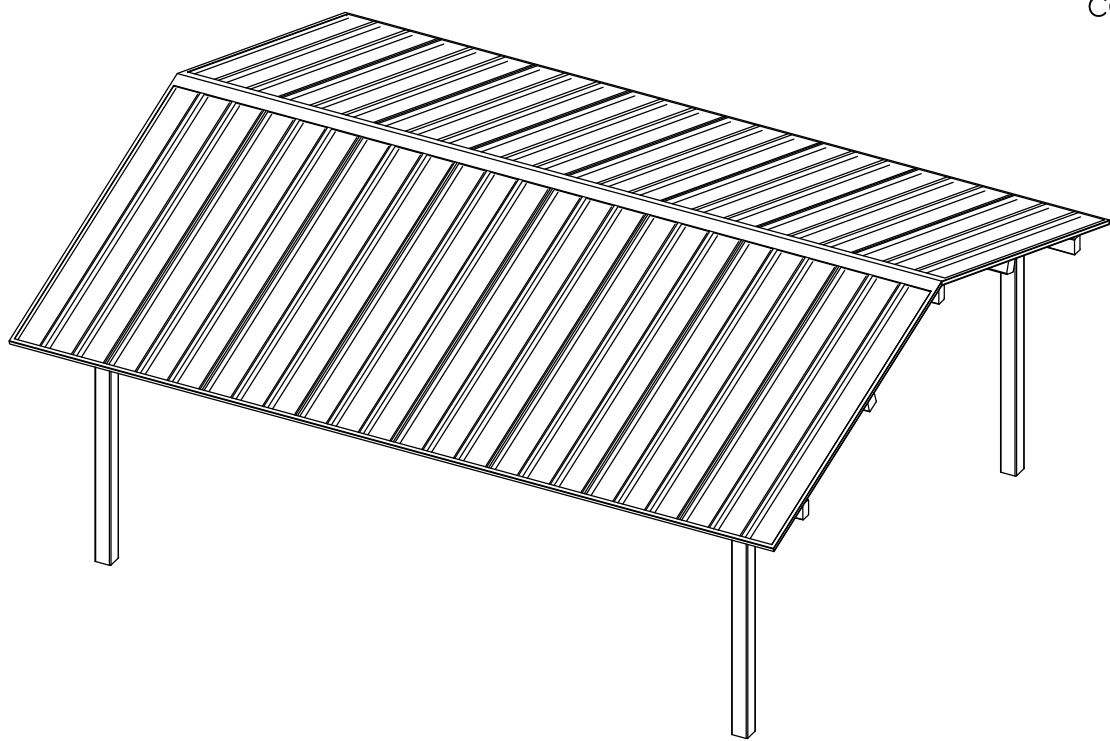
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FINISH GRADE.  
MOUNTING VARIES  
BASED ON ENGINEERING  
REQUIREMENTS.



FINISH GRADE.  
MOUNTING VARIES  
BASED ON ENGINEERING  
REQUIREMENTS.



#### GENERAL ROOF NOTES:

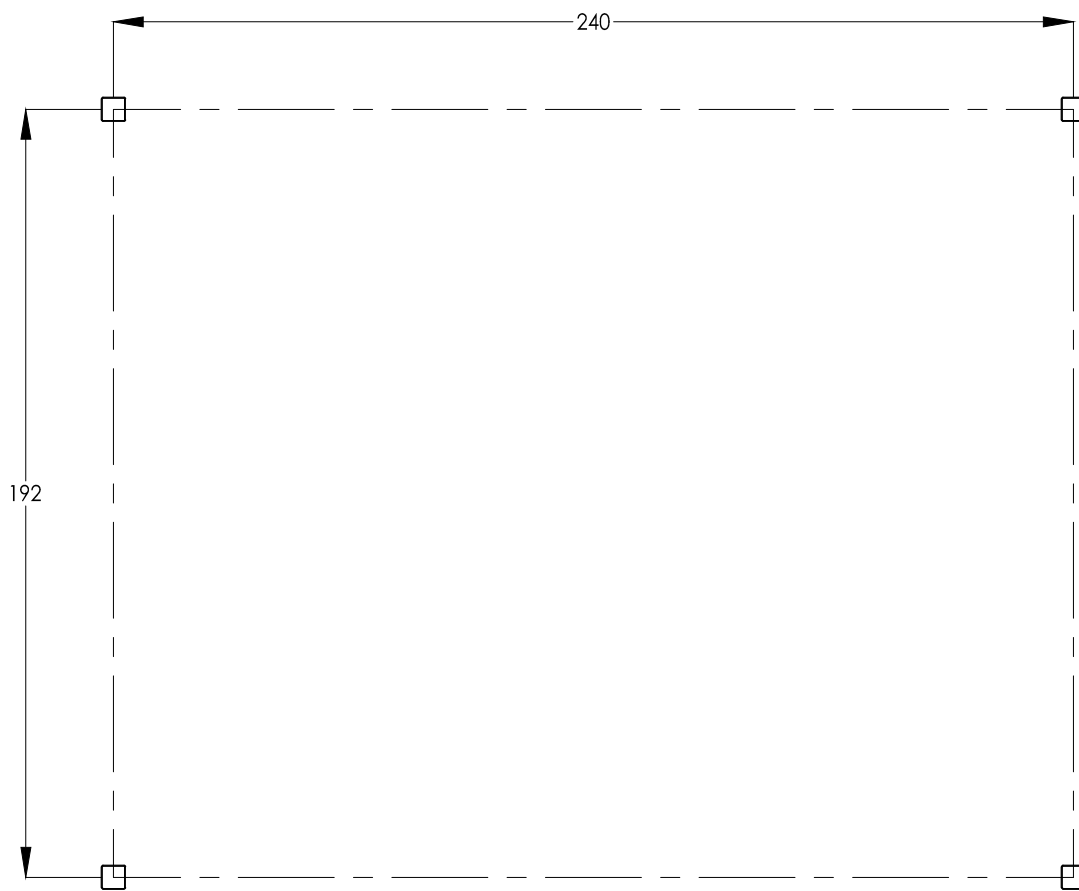
- METAL ROOFING:
  - 24 GAUGE
  - GALVALUME COATED
  - KYNAR 500 PAINTED
- TRIM COLOR MATCHES ROOF
- SEE POLIGON.COM FOR COLOR OPTIONS



NOTE: COLOR TO BE COORDINATED WITH OWNER PRIOR TO ORDERING.  
COLOR TO BE SELECTED FROM MANUFACTURERS STANDARD COLORS

#### BASEPLATE NOTES:

- POLIGON ENGINEERING WILL DETERMINE REQUIRED BASEPLATE DESIGN AFTER ENGINEERING PACKAGE IS ORDERED.
- CUSTOMER MAY SUGGEST PREFERRED BASEPLATE DESIGN.



poligon®

PROJECT: \_\_\_\_\_

LOCATION: \_\_\_\_\_

BUILDING TYPE: REK 20x24

ROOF TYPE: MULTI-RIB

**FABRICATOR APPROVALS:**  
CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010  
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596  
CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SP06-0033  
CITY OF HOUSTON, TX APPROVED FABRICATOR #470  
CLARK COUNTY, NV APPROVED FABRICATOR #264  
STATE OF UTAH APPROVED FABRICATOR 02008-14

**CERTIFICATES:**  
MINNEAPOLIS COUNTY CERTIFICATE OF COMPETENCY NO. 16-1025.01  
PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

DESCRIPTION	ASTM DESIGNATION
PIPE STEEL	A500 (GRADE B)
SCHEDULE PIPE	A53 (GRADE B)
RUIT PIPE	A515
LIGHT GAGE COLD FORMED	A1003 (GRADE 50)
STRUCTURAL STEEL PLATE	A36
ROOF PANELS (STEEL)	A653

**GENERAL NOTES:**  
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLIGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, POLIGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

**STOP!!**  
**NOT FOR CONSTRUCTION**

USE FOR PRELIMINARY  
PLANNING AND ESTIMATING  
ONLY

EAST TWIN PARK SPLASHPAD

SHELTER DETAIL - ADD ALTERNATE 3

SNYDER & ASSOCIATES, INC. |

WEBSTER CITY, IA

2727 S.W. SNYDER BLVD  
ANKENY, IOWA 50023  
515-964-2020 | www.snyder-associates.com

SNYDER  
& ASSOCIATES

Project No: 123.0256.01

Sheet C501

1

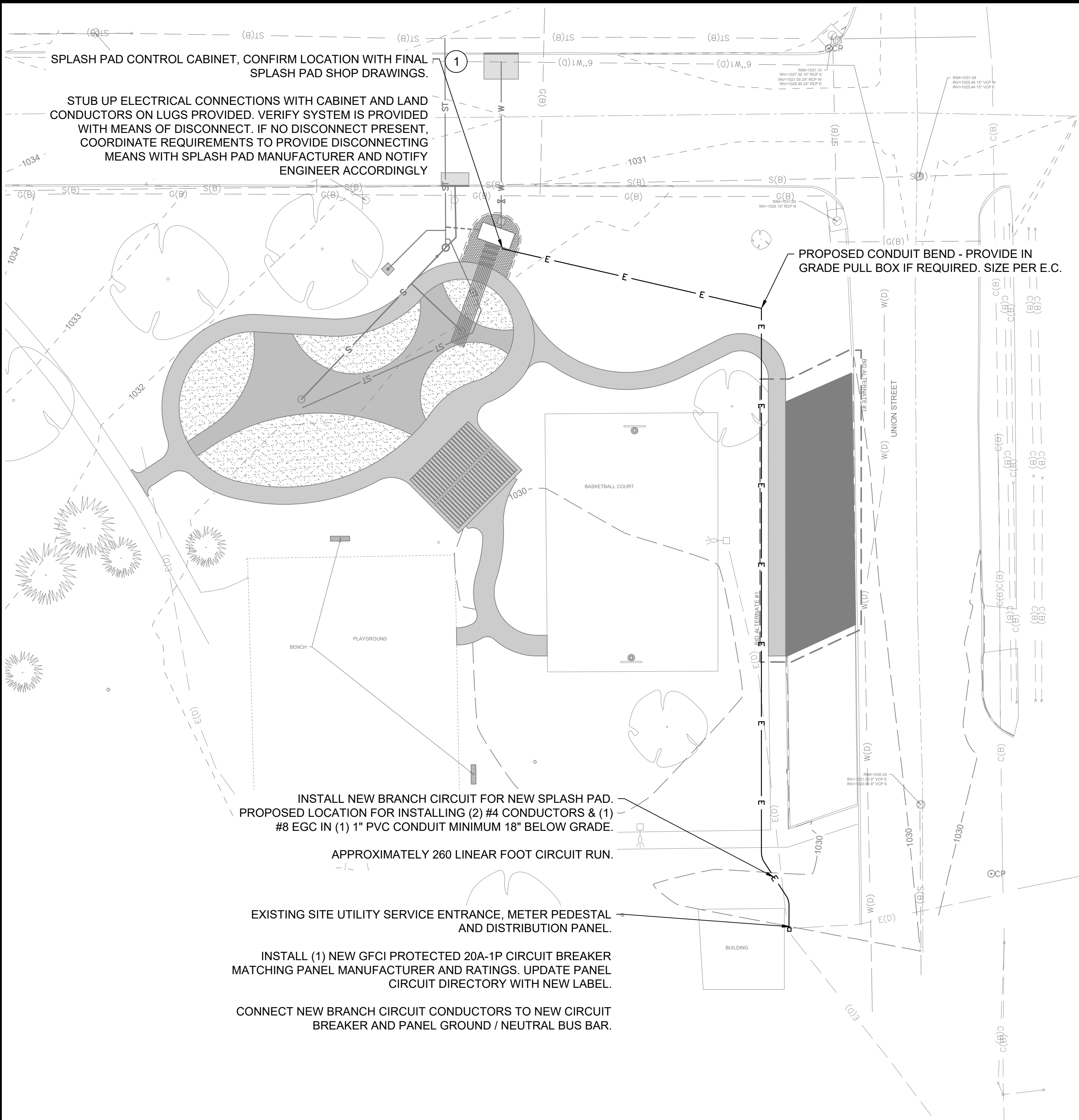
20' X 24' REK SHELTER

NO SCALE

Sheet C501

Project No: 123.0256.01

V:\proj\ch\2023\123.0256\123.0256.E000-ELC.dwg STEVEN SEEFIELD, ELECTRICAL SITE PLAN, 2023/12/05, 12:01 PM, ANSI FULL BLEED D (34.00 X 22.00 INCHES)



GENERAL NOTES:

UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN SHOWN BASED UPON INFORMATION OBTAINED FROM FIELD LOCATIONS BY UTILITY COMPANIES, AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS ALSO POSSIBLE THAT THERE MAY BE OTHER UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES IN EXISTENCE THAT ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF EACH INDIVIDUAL PARTY REFERENCING THIS PLAN TO DETERMINE THE EXACT LOCATION AND TYPE OF UNDERGROUND FACILITIES ON THE SITE. HAND EXCAVATE AT CRITICAL POINTS AS NECESSARY TO VERIFY LOCATIONS, SIZES, ELEVATIONS, FLOW LINES, ETC. IF A PROBLEM OR INTERFERENCE EXISTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING.



KEYED NOTES:

- 1 ENSURE SPLASH PAD IS INSTALLED USING GROUNDING AND BONDING METHODOLOGY PER NEC ARTICLE 680. CONFIRM INSTALLATION WITH SPLASH PAD MANUFACTURER INSTALLATION DRAWINGS FOR POINTS OF BONDING.

BOXES:

- PART 1 - GENERAL:  
a. NOT USED.  
PART 2 - PRODUCTS:  
a. BOXES SHALL BE OF THE APPROPRIATE SIZE AND TYPE TO MEET THE NEEDS OF THE INSTALLED DEVICE AND MAKE FINAL CONNECTIONS.  
b. MINIMUM BOX SIZE: 4" SQUARE BY 2-1/8" DEEP WITH RAISED COVER FOR FLUSH INSTALLATION.  
c. HARDWARE AND FASTENERS:  
1. STAINLESS STEEL.  
PART 3 - EXECUTION:  
a. INSTALL BOXES AT ELEVATIONS NOTED ON DRAWINGS. MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE.  
b. MAINTAIN MINIMUM 6" SEPERATION OF BOXES FOR DEVICES INSTALLED BACK TO BACK IN ADJACENT ROOMS. PROVIDE SOUNDPROOFING MATERIAL WHERE THIS CAN NOT BE ACHIEVED.  
c. DO NOT SUPPORT BOXES FROM CONDUIT.

WIRES AND CABLES:

- PART 1 - GENERAL:  
a. NOT USED.  
PART 2 - PRODUCTS:  
a. ALL CONDUCTORS THWN/THHN COPPER INSTALLED WITHIN RACEWAY UNLESS OTHERWISE NOTED.  
b. INSULATION: 600V.  
c. LOW VOLTAGE CABLING SHALL BE PLENUM RATED.  
d. CONDUCTORS #8 AWG AND LARGER:  
1. STRANDED;  
e. CONDUCTORS #10 AWG AND SMALLER  
1. SOLID  
PART 3 - EXECUTION:  
a. ALL WIRING ROUTED IN RACEWAY AND ALL RACEWAYS ROUTED CONCEALED UNLESS NOTED OTHERWISE.  
b. DO NOT INSTALL MORE THAN 3 PHASE CONDUCTORS PER CONDUIT.  
c. PROVIDE ALL SINGLE PHASE CIRCUITS WITH DEDICATED NEUTRAL.  
d. CIRCUIT RUNS LONGER THAN 100 FEET SHALL HAVE CONDUCTOR SIZE INCREASED TO ACCOUNT FOR VOLTAGE DROP.  
e. MAKE SPLICES AT A MINIMUM AND IN ACCESSIBLE JUNCTION BOXES ONLY.

CONDUIT:

- PART 1 - GENERAL:  
a. FURNISH ALL MATERIALS, LABOR, SUPPORTS, AND ANCILLARY COMPONENTS NECESSARY FOR A COMPLETE ELECTRICAL CONDUIT SYSTEM.  
b. ALL WIRING SHALL BE ROUTED IN CONDUIT AND ALL CONDUIT SHALL BE ROUTED CONCEALED WHERE WALL AND CEILING SYSTEMS ALLOW.  
PART 2 - PRODUCTS:  
a. COMPLY WITH THE FOLLOWING REGULATIONS AS APPLICABLE TO MATERIAL TYPES:  
1. ANSI C80.1, C80.6, C80.3  
2. UL 6, UL 1242, UL 797, UL 360, UL 514B, UL 1653, UL 651A, UL 1660, UL 870  
3. NEMA 250, NEMA TC 13, NEMA TC 14, NEMA TC 3, NEMA FB 1  
b. MINIMUM CONDUIT SIZE: 3/4"  
c. FITTINGS FOR EMT CONDUIT:  
1. STEEL OR DIE-CAST MATERIAL  
2. SETSCREW OR COMPRESSION TYPE.  
d. FITTINGS FOR RMC/IMC CONDUIT:  
1. THREADED  
e. RIGID POLY(VINYL CHLORIDE (PVC) CONDUIT.  
1. DESCRIPTION: NFPA 70, TYPE PVC RIGID POLY(VINYL CHLORIDE CONDUIT COMPLYING WITH NEMA TC 2 AND LISTED AND LABELED AS COMPLYING WITH UL 651; SCHEDULE 40 UNLESS OTHERWISE INDICATED, SCHEDULE 80 WHERE SUBJECT TO PHYSICAL DAMAGE; RATED FOR USE WITH CONDUCTORS RATED 90 DEGREES.  
2. FITTINGS:  
2.1 MANUFACTURER: SOME AS MANUFACTURER OF CONDUIT TO BE CONNECTED.  
2.2 DESCRIPTION: FITTINGS COMPLYING WITH NEMA TC 3 AND LISTED AND LABELED AS COMPLYING WITH UL 651; MATERIAL TO MATCH CONDUIT.  
PART 3 - EXECUTION:  
a. APPLICATION  
1. INDOORS:  
1.1. EXPOSED: EMT  
1.2. CONCEALED: EMT  
1.3. CONNECTIONS TO VIBRATING EQUIPMENT: LFMC  
1.4. DAMP OR WET LOCATIONS: GRC, IMC  
1.5. BOXES AND ENCLOSURES: NEMA 250, TYPE 1.  
1.6. CONNECTIONS TO LUMINAIRES ABOVE ACCESSIBLE CEILINGS:  
2. OUTDOORS:  
2.1. UNDER SLAB OR GRADE: RIGID PVC SCH. 40 CONDUIT.  
2.2. WHERE RIGID PVC CONDUIT IS PROVIDED, TRANSITION TO GALVANIZED STEEL RIGID METAL CONDUIT WHERE EMERGING FROM UNDER GROUND.  
b. DO NOT USE CONDUIT AS THE SOLE MEANS OF GROUNDING.  
c. SUPPORT CONDUITS WITHIN 12" OF ATTACHED ENCLOSURES. PROVIDE ALL OTHER CONDUIT SUPPORT PER NATIONAL ELECTRICAL CODE AND IN COMPLIANCE WITH NECA-1  
d. INSTALL RACEWAYS NOT LESS THAN 6" FROM PARALLEL FLUES, STEAM, OR HOT WATER PIPING. DO NOT INSTALL BELOW WATER PIPING.

PROJECT DELIVERY NOTES - ELECTRICAL :

THE DELIVERY METHOD FOR THIS PROJECT IS INDIVIDUAL SUB-CONTRACTS TO ONE GENERAL CONTRACTOR. THIS CONTRACTOR IS RESPONSIBLE FOR MEETING WITH ALL SUB-CONTRACTORS TO COORDINATE LOCATIONS AND INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. REWORK OF INSTALLED EQUIPMENT WILL BE AT CONTRACTORS EXPENSE.

SITE NOTES - ELECTRICAL:

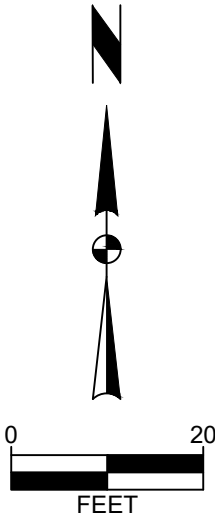
- A. SEPARATE ELECTRICAL PERMIT IS REQUIRED FOR SCOPE OF WORK.  
B. UTILITIES SHOWN ON ELECTRICAL SITE PLAN ARE SCHEMATIC ONLY. VERIFY ALL SITE CONDITIONS AND DIMENSIONS ON SITE PRIOR TO SUBMITTING BID AND ORDERING EQUIPMENT.  
C. REPAIR ALL AFFECTED SURFACES AND RESTORE TO EXISTING CONDITIONS AT COMPLETION OF PROJECT.  
D. WARNING - CALL BEFORE YOU DIG: LAW REQUIRES ANYONE DOING EXCAVATION, FENCING, PLANTING OR DRILLING TO CALL 48 HOURS IN ADVANCE. HAND DIG WITHIN 18 INCHES OF ANY LOCATE MARK OR FLAG. ONE-CALL 811.

CODE NOTES - ELECTRICAL:

- A. PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES.  
B. THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE IS THE STANDARD FOR THE ELECTRICAL INSTALLATION. VERIFY WITH LOCAL OFFICIALS WHEN PERMITS ARE OBTAINED. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE PROJECT MANUAL OR DRAWINGS AND THE GOVERNING CODE.  
C. INSTALLATION SHALL FOLLOW REQUIREMENTS OF THE ADA -AMERICANS WITH DISABILITIES ACT.  
D. REFER TO PROJECT MANUAL AND PROJECT CODE REVIEW SHEET FOR LIST OF APPLICABLE CODES.

INSTALLATION NOTES - ELECTRICAL:

- A. BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BID.  
B. INCREASE CONDUCTOR SIZES ON 20A 120V-1 PHASE CIRCUITS EXCEEDING 100 FEET TO CENTER OF LOAD TO ACCOUNT FOR VOLTAGE DROP.  
C. RACEWAYS AND BOXES ARE SHOWN DIAGRAMMATICALLY ONLY AND INDICATE GENERAL AND APPROXIMATE LOCATIONS. LAYOUTS DO NOT ALWAYS SHOW THE TOTAL NUMBER OF RACEWAYS OR BOXES FOR THE CIRCUITS REQUIRED, NOR ARE THE LOCATIONS OF INDICATED RUNS INTENDED TO SHOW THE ACTUAL ROUTING OF THE RACEWAYS.  
D. PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. DO NOT USE CONDUIT SYSTEM AS THE ONLY EQUIPMENT GROUNDING METHOD.  
E. BALANCE PANEL LOADS DURING INSTALLATION. CIRCUIT NUMBERING SHOWN ON PLANS MAY BE ADJUSTED TO ACCOMMODATE.  
F. PROVIDE TYPED PANEL DIRECTORY AT PROJECT COMPLETION FOR NEW PANELS AND EXISTING PANELS WITH CIRCUITS MODIFIED AS A RESULT OF THIS PROJECT. USE OWNER'S CURRENT ROOM NUMBERS AND EQUIPMENT NAMES. SUBMIT PANEL DIRECTORY TO ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.  
G. CONTRACTOR IS RESPONSIBLE FOR OPENINGS THAT ARE REQUIRED TO COMPLETE THEIR SCOPE OF WORK. SEAL PENETRATIONS IN ACCORDANCE WITH THE RATING OF THE AFFECTED ASSEMBLY.



EAST TWIN PARK SPLASH PAD (PR 9-24-001-1)

ELECTRICAL SITE PLAN

WEBSTER CITY, IA

SNYDER & ASSOCIATES, INC. |



Project No: 123.0256.01

Sheet E000

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ANKENY, IOWA 50023  
515-364-2020 | www.snyder-associates.com

Sheet E000

Project No: 123.0256.01

MARK	REVISION	DATE	BY
Engineer: CS	Checked By: CD	Scale: 1" = 20'	
Technician: SS	Date: 12-05-2023	T-R-S: TTN-RRW-SS	

ITEM	SKU	COMPONENT NAME	QTY
1	DRA-00007	DRAIN SQUARE 6IN OUTLET	3
2	0010-1854	ACTIVATOR: POWER POST	1
3	0010-7484	GS STEADY STREAM	2
4	0010-7493	GS MOP TOP	3
5	0010-7483	GS STARLET SPRAY	2
6	0010-1421	FS AQUA-DROP	1
7	0010-7480	GS MONSTER 5	2
8	0010-4590	FS WATERFALL 1	1
9	0010-7474	GS BUTTERCUP	2
10	0010-0403	FS SPLASH BLASTER	2
11	0010-8942	GS PLAYPHASE GROUND SPRAY (CHARLOTTE'S WEB)	3
12	0010-8942	GS PLAYPHASE GROUND SPRAY (TULIP)	1
13	0010-8942	GS PLAYPHASE GROUND SPRAY (GEYSER)	3
14	0010-8942	GS PLAYPHASE GROUND SPRAY (TOWER)	2
15	0010-3918	FS KITE	1
16	0010-7472	FS SURF STONE 2	1
17	0010-0369	FS WATER-O	2
18	0010-3632	POLY PALM 5	1

LOCAL REGULATIONS MAY REQUIRE THE USE OF IMPACT ATTENUATING SURFACES FOR SOME INSTALLATIONS - CHECK LOCAL CODES PRIOR TO FINAL DESIGN AND INSTALLATION.

11 x 17 plot

FOR INFORMATION PURPOSES ONLY. LOCAL LANDSCAPE ARCHITECT, ENGINEER &/OR APPROPRIATE AUTHORITIES HAVING JURISDICTION MUST COMPLETE ALL PARK LAYOUT, MECHANICAL & ELECTRICAL DESIGN PRIOR TO CONSTRUCTION.

DESIGNED BY: WATERPLAY SOLUTIONS CORP			
DWG NAME: WATERPLAY CONCEPTUAL LAYOUT PHASE 1			SHEET 1/4
SCALE: 3/32" = 1'-0"	DRAWN BY: MC	DATE: NOV 16/23	REV #: 0

NOT FOR CONSTRUCTION PURPOSES

EAST TWIN PARK SPLASH PAD  
WEBSTER, IA

REV	DATE	REVD BY	DESCRIPTION

**WATERPLAY**  
BY MAKER

805 CROWLEY AVE, KELOWNA BC, CANADA V1Y 7G6  
TEL. (250) 712-3393 FAX (250) 861-4814  
EMAIL [info@waterplay.com](mailto:info@waterplay.com)

