

DEPARTMENT OF PUBLIC WORKS TOWN OF WAYLAND



Thomas M. Holder Director Joseph Doucette
Superintendent

Don Millette Superintendent Paul Brinkman Engineer

Application & Agreement for the Installation of an Underground Irrigation System as Governed by Town Bylaw Chapter 191

Please complete and sign all sections of this application and review the attached Bylaw and guidance documents concerning Irrigation Systems. Location: 412 Commonwealth Road, Wayland, MA 01778 Proposed Irrigation System Size (Square Feet) 76,035 sf Owner: Town of Wayland Address: 41 Cochituate Road, Wayland, MA 01778 Phone & email: Irrigation Installer: M.J. Cataldo, Inc. Address: PO Box 1343, Littleton, MA 01460 Phone & email: (978) 486-4331, info@mjcataldo.com **Irrigation Application Checklist** All of the following items must be checked prior to permit submittal Plumbing Permit attached Plumbing Permit #_ Device Design Data Sheet completed for Backflow Device Installation **Irrigation Plan Requirements** "CAD" style Irrigation plan overlaid on the Parcel Plan (must be to scale, see attached) Calculated Irrigation area shown on the Irrigation Plan Location of the entire Septic System identified on Plan Irrigation System is not within 25' of any component of Septic System Vegetated Wetlands shown on Plan (If any) Irrigation System is not within 50' of vegetated wetlands Location of Town Right of Way shown on Plan

HIGHWAY - WATER - PARKS - CEMETERIES - TRANSFER STATION - ENGINEERING

No portion of the irrigation system is installed within the Town Right of	f Way
- Backflow preventer location and specifications identified on Plan	
Rain Gauge location and specifications identified on Plan	
I/we understand and agree that the Town of Wayland does not gupressure or uninterrupted service, and that the Town reserves the during dry seasons or under any emergency condition. Also, I/we Prevention Device associated with this Irrigation System must be tor Water Division's Backflow Testing Contractor. The Backflow Decowner of the Irrigation System. Owner Signature: Division Installer must contact the Water Division for Inspection approval of system.	e right to restrict the use of water understand that the Backflow tested annually by the Water Division evice Test Fee will be billed to the rate:
FOR INTERNAL USE ONLY	The state of the s
Approval Process	
Completed Application Packet submitted to DPW Office for Review.	(Signature and Date)
For Applications under 5,000 sq. ft., DPW Director Approval is required	(Signature and date)
For Applications over 5,000 sq. ft., DPW Board Approval is required.	(Signature and Date)
Inspection of the installed Irrigation System.	(Signature and Date)

Chapter 191, LAWN IRRIGATION SYSTEMS

[HISTORY: Adopted by the Annual Town Meeting of the Town of Wayland 4-3-2003 by Art. 24. Amendments noted where applicable.]

§ 191-1. Statutory authority.

[Amended 4-10-2008 ATM by Art. 5]

This bylaw is adopted by the Town of Wayland under its common law police powers to protect public health and welfare, MGL c. 40, § 21, and under the Town of Wayland's authority to regulate water use through its Board of Public Works pursuant to Chapter 80 of the Acts of 1878.

§ 191-2. Purpose.

The purpose of this bylaw is to protect, preserve and maintain the public water supply, health, safety and welfare of the citizens of the Town of Wayland.

§ 191-3. Definitions.

As used in this bylaw, the following terms shall have the meanings indicated:

OUTDOOR UNDERGROUND WATER SPRINKLER SYSTEM

Any underground sprinkler device, together with all pipes appurtenant thereto, used to water outside areas, and hereafter referred to as "system" or "systems." Aboveground sprinklers attached to hoses and existing systems, so long as they are not expanded, are specifically exempt from the provisions of this article.

PERSON

Any individual, corporation, trust, partnership or association or other entity.

PUBLIC WATER SUPPLY

Any water which is fully or partially drawn from a well operated by the Town of Wayland.

THIS BYLAW

Chapter 191 of the Code of the Town of Wayland.

WATER CUSTOMER

Any individual, corporation, trust, partnership or association or other entity that owns property which is receiving water from the public water supply.

§ 191-4. Certain outdoor underground water sprinkler systems prohibited.

No person shall install or expand a system which is connected to the public water supply if said system, after installation or expansion covers, an area greater than 15,000 square feet or more.

§ 191-5. Application for installation or expansion of certain systems.

No person shall install or expand a system connected to the public water supply, which covers an area of 15,000 square feet or less unless an application has been made to pursuant to this bylaw and approval of said installation or expansion has been approved pursuant to this bylaw.

§ 191-6. Types of applications.

A.

Any application for the installation or expansion of a system which covers an area of 5,000 square feet or less shall be made by completing the short-form application.

В.

Applications for the installation or expansion of a system which covers an area of more than 5,000 square feet and less than or equal to 15,000 square feet shall be made by completing the long-form application.

§ 191-7. System requirements.

<u>A, </u>

All systems installed or expanded under this bylaw shall be installed or expanded pursuant to all local and state laws and regulations and shall include a backflow device (approved by the Department of Public Works), a rain gauge, a moisture detector, a programmable automatic timer and a shut-off valve.

[Amended 5-13-2010 ATM by Art. 18]

В.

All systems installed or expanded under this bylaw shall obtain an appropriate plumbing permit from the Gas and Plumbing Inspector of the Town of Wayland.

C.

All systems installed or expanded under this bylaw shall be maintained pursuant to the regulations of the Board of Public Works.

(Amended 5-13-2010 ATM by Art. 18)

D.

All systems installed or expanded under this bylaw shall be installed outside of any road easements, which run in the favor of the Town of Wayland, and any roads owned by the Town of Wayland.

Ē.

No portion of a system shall be installed or expanded within 50 feet of bordering vegetated wetlands.

CONTINUED

F.

No portion of a system shall be installed or expanded within 25 feet of the leaching area or a tank of a sanitary septage system.

§ 191-8. Approval process.

<u>A.</u>

Fees. All applications to install or expand a system shall include an application fee of \$50.

B.

The application shall include the name and address of the property owner and the installer, acknowledgement of the requirements of this bylaw, a drawing and calculation of the area covered by the system and any additional information the Board of Public Works requires to reasonably identify and evaluate the compliance of the proposed system.

[Amended 4-10-2008 ATM by Art. 5]

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The Director of Public Works or his/her designee shall approve the short-form application if s/he determines that said system covers a land area of 5,000 square feet or less and complies with the provisions of this bylaw.

[Amended 5-13-2010 ATM by Art. 18]

D,

The long-form application shall be approved by the Board of Public Works or designee if the Board of Public Works or designee determines that said system covers a land area of 15,000 square feet or less and complies with the provisions of this bylaw.

[Amended 4-10-2008 ATM by Art. 5]

§ 191-9. Rules and regulations.

[Amended 4-10-2008 ATM by Art. 5]

The Wayland Board of Public Works shall have the authority and duty to adopt, issue and administer any additional rules and regulations necessary for the administration, operation and enforcement of outdoor underground water sprinkler systems connected to the public water supply. Any such rules and regulations shall be consistent with the provision of this bylaw.

§ 191-10. Violations and penalties.

Any person violating this bylaw shall be subject to the following:

A.

Written notification of a violation by the Director of Public Works or his/her designee. Said notification shall include a demand that said system comply with the bylaw within 30 days' receipt of the notification or that said system be removed.

[Amended 4-10-2008 ATM by Art. 5; 5-13-2010 ATM by Art. 18]

<u>B.</u>

A fine of \$250 per day for each day after the initial 30 days that the system is in violation of this bylaw.

<u>C.</u>

After the initial 30 days, a notice of termination of water services in no less than seven days may be served upon the water customer by a duly appointed Constable of the Town of Wayland. The notice shall be served to the water customer in hand or left at the address given for billing purposes and malled to that address. Notice shall include a statement that the water customer may appeal a decision to terminate water services by requesting a hearing before the Board of Public Works. Water service may be terminated seven days after receipt of the notice to terminate or after a majority vote of the Board of Public Works, if the water customer has requested a hearing. Receipt of the notice shall be presumed to be three days after the notice is mailed or the day of In-hand service. After water service has been terminated, a reconnection fee of \$275 during normal business hours, or reconnection fee of \$200 after normal working hours, will be charged prior to renewing water service. Payment of sald fees must be made before reconnection. In lieu of terminating water services, the Board of Public Works, by a majority vote, may assess a fine in the amount of \$250 per day for each day after the initial 30 days that the system is in violation of this bylaw.

[Amended 4-10-2008 ATM by Art. 5]

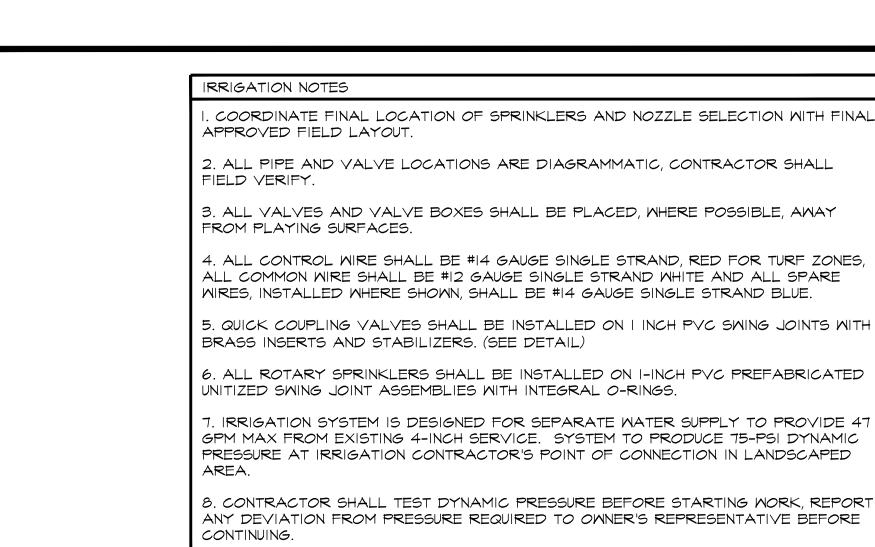
D.

Fines shall be recovered by Indictment or on complaint before the District Court or by noncriminal disposition in accordance with MGL c. 40, § 21D. After disposition favorable to the Town of Wayland, any outstanding unpaid civil fines shall be placed on the water customer's water bill. The enforcing person shall be the Director of Public Works or his/her designee.

[Amended 5-13-2010 ATM by Art. 18]

§ 191-11. Severability.

The invalidity of any portion or provision of this bylaw shall not invalidate any other portion or provision thereof.



CALCULATED IRRIGATED ARE:

76,035 SF

BACKFLOW DEVICE- MODEL LF009/WATTS

RRIGATION NOTES	R
1. INSTALL CONTROLLER IN ENCLOSURE, GENERALLY WHERE SHOWN ON THE DRAWINGS, HARD WIRE TO 120 VOLT, DEDICATED 20 AMP CIRCUIT, POWER SUPPLY ISING LICENSED ELECTRICIAN. ROUTE ALL ZONE AND SPARE WIRES TO CONTROLLER I/IA CONDUIT THROUGH ENCLOSURE BASE.	
O. INSTALL RAIN SENSOR ON OUTSIDE OF CONTROLLER ENCLOSURE. ROUTE RAIN BENSOR WIRING TO CONTROLLER THROUGH ENCLOSURE WALL.	
I. COORDINATE LOCATION OF ALL EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF NORK.	
2. FLUSH ALL LATERAL LINES BEFORE INSTALLING SPRINKLERS.	
2 CONTRACTOR MUST CURNIT CHOR PROPUCT OR MAINICC AC PER THE MINISTER	

12. FLUSH ALL LATERAL LINES BEFORE INSTALLING SPRINKLERS.
13. CONTRACTOR MUST SUBMIT SHOP PRODUCT DRAWINGS AS PER THE WRITTEN
SPECIFICATIONS TO THE IRRIGATION CONSULTANT FOR APPROVAL PRIOR TO
ORDERING MATERIAL AND BEGINNING WORK.

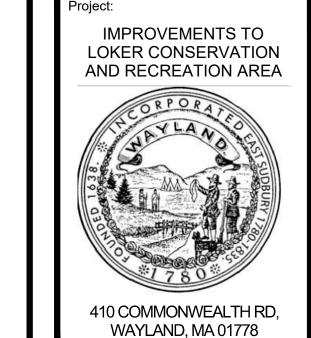
14. ANY AND ALL MATERIAL SUBSTITUTIONS WHICH VARY FROM THE SPECIFIED
PRODUCTS MUST BE SUBMITTED TO THE IRRIGATION CONSULTANT FOR APPROVAL AS
PART OF THE SUBMITTAL PROCESS.

15. ONCE APPROVED SUBMITTALS HAVE BEEN RETURNED TO THE CONTRACTOR, WORK MAY BEGIN. THE IRRIGATION CONSULTANT MUST BE NOTIFIED A MINIMUM OF 7-DAYS IN ADVANCE OF THE START OF WORK TO COORDINATE ON-SITE SUPERVISION AND

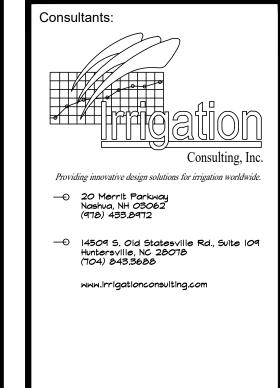
IRRIGATION LE	IRRIGATION LEGEND				
SYMB <i>O</i> L	PSI	PSI SPACING DESCRIPTION			
	60 60	55 ⁻ 45 ⁻	LARGE ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)		
•		24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES)			
H	150	ISOLATION GATE VALVE (MAINLINE SIZE)			
	ا" د	I" QUICK COUPLING VALVE			
		CLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED)			
	. —	CLASS-200 PVC MAINLINE PIPING (SIZE AS INDICATED)			
A	AUT	AUTOMATIC CONTROLLER IN PEDESTAL			
R	AUT	AUTOMATIC RAIN SENSOR			

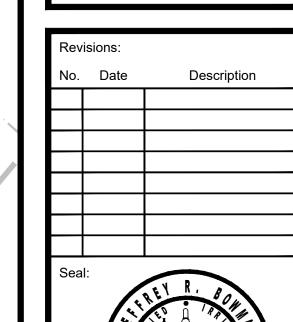
IRRIGATION LEGEND						
SYMB <i>O</i> L	DESCRIPTION					
⊗	IRRIGATION WATER METER BACK FLOW PREVENTION DEVICE					
•	BRONZE GATE VALVE FOR CONTROL VALVES (CONTROL VALVE SIZE)					
\oplus	2" DRAIN VALVE					
•	2" CURB STOP					
VALVE DESIGNATION:						
	STATION NO.					
A 20	FLOW					

VALVE SIZE



85 Devonshire Street, 3rd Floor, Boston, MA 02109 617.412.4480 800.SAMPSON www.westonandsampson.com





Issued For:

BIDDING DOCUMENTS

AS SHOWN APRIL 21, 2022 Date: Drawn By: Reviewed By: JRB

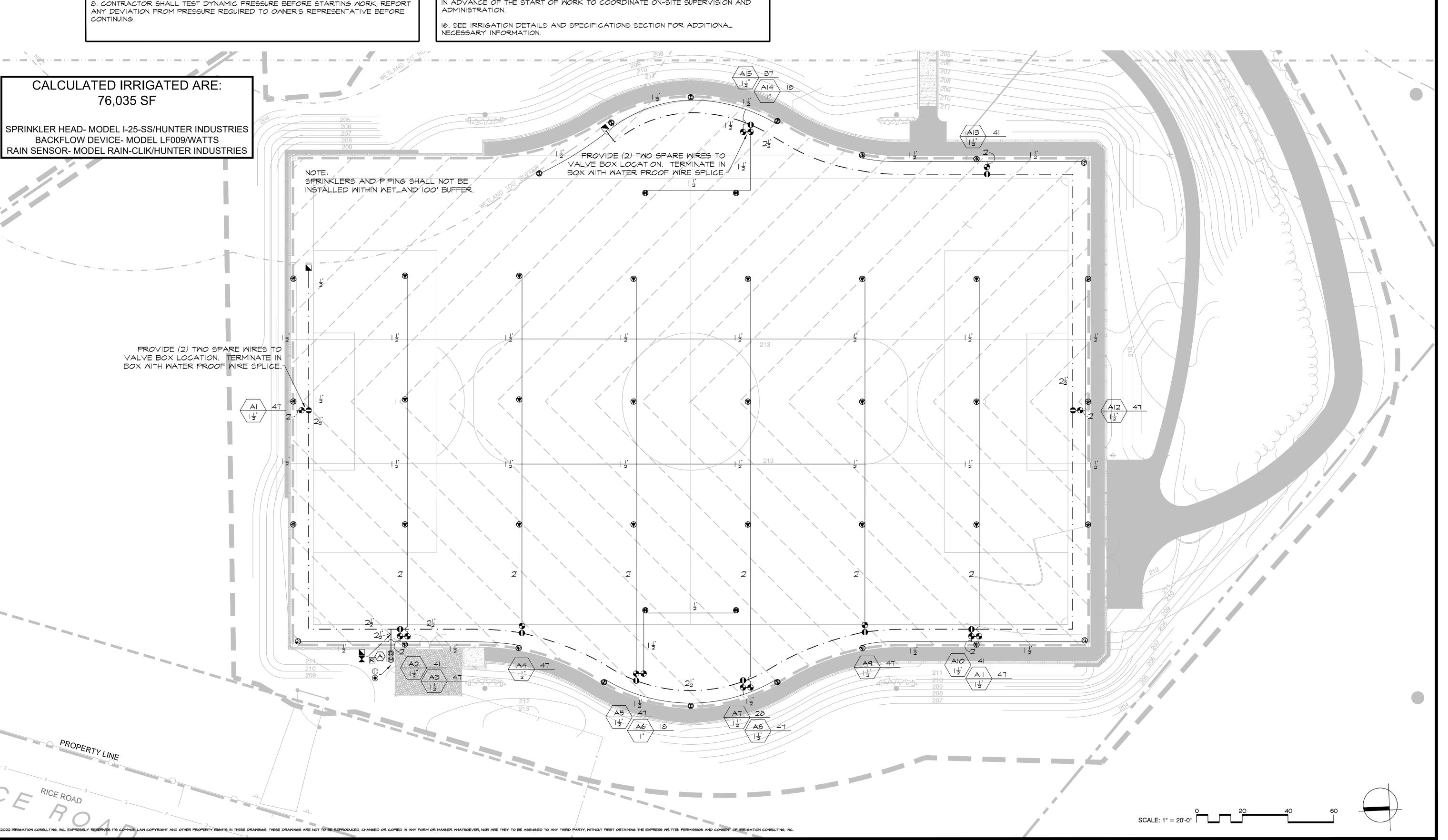
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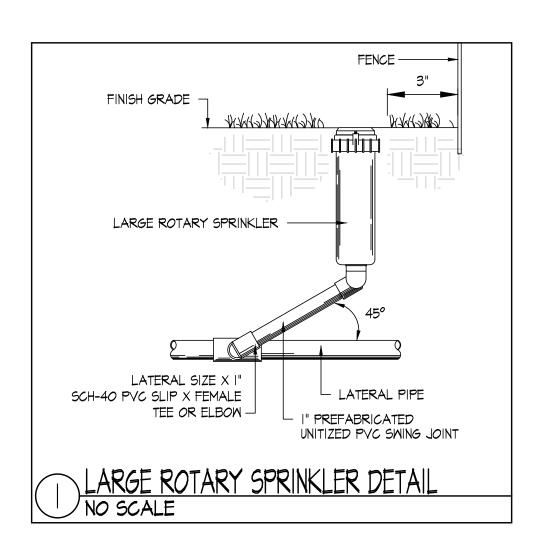
W&S Project No: 2180076 W&S File No:

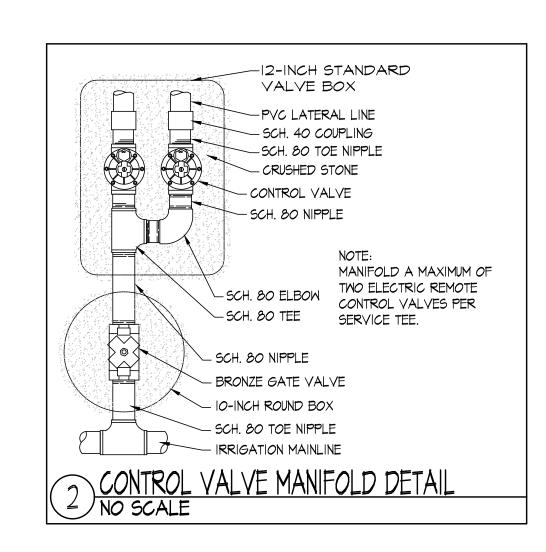
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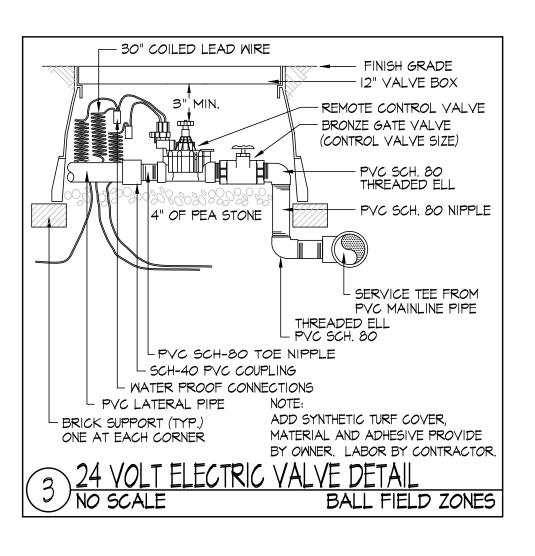
IRRIGATION PLAN

Sheet Number:









- FINISH GRADE

BRONZE GATE VALVE -

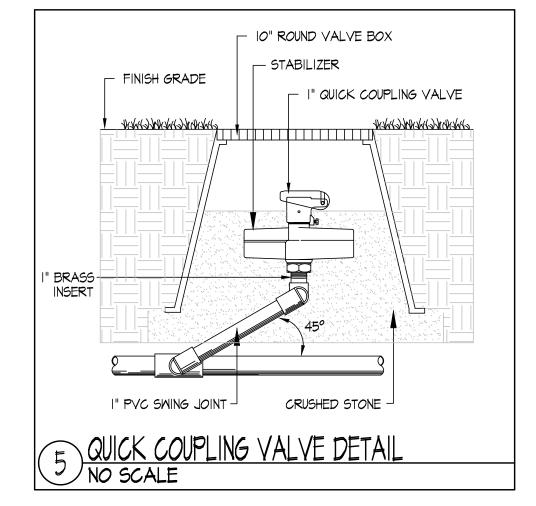
SCH-80 PVC TOE NIPPLE (TYP.) -

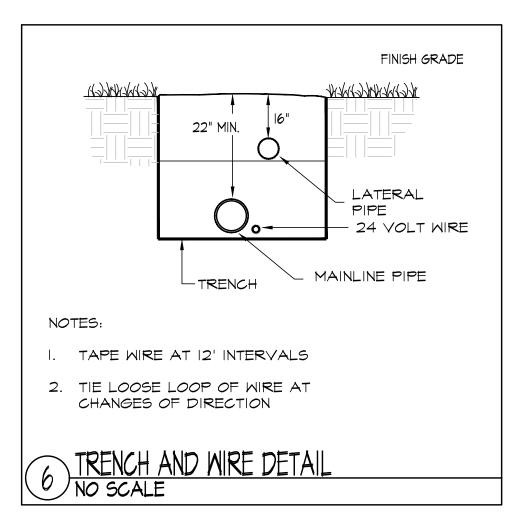
SCH-40 PVC COUPLING -

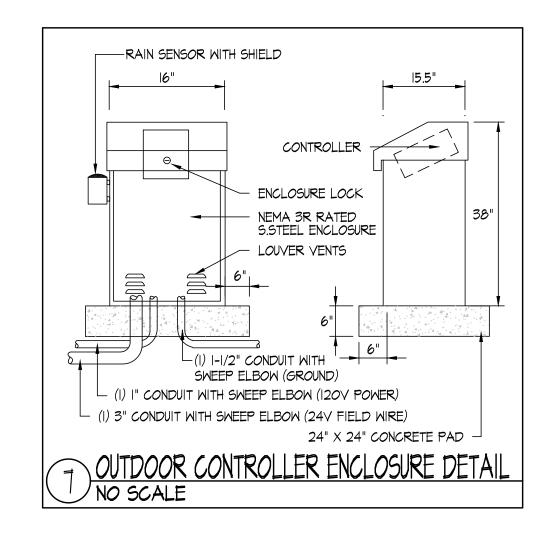
4" LEVEL CRUSHED STONE BASE

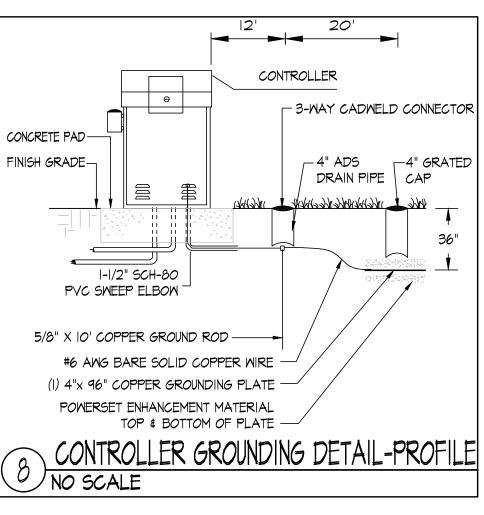
10" ROUND VALVE BOX

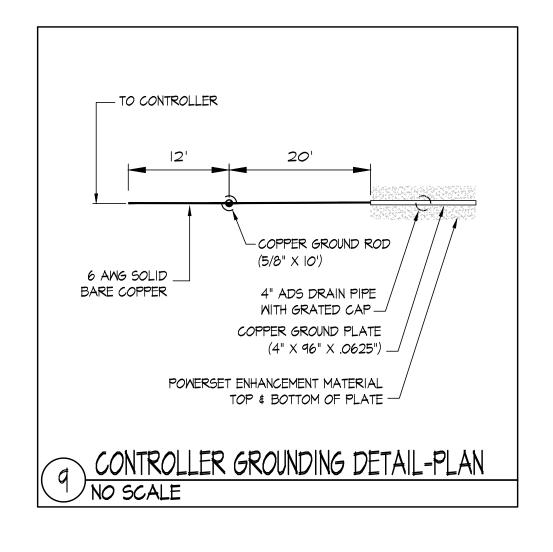
PVC MAINLINE

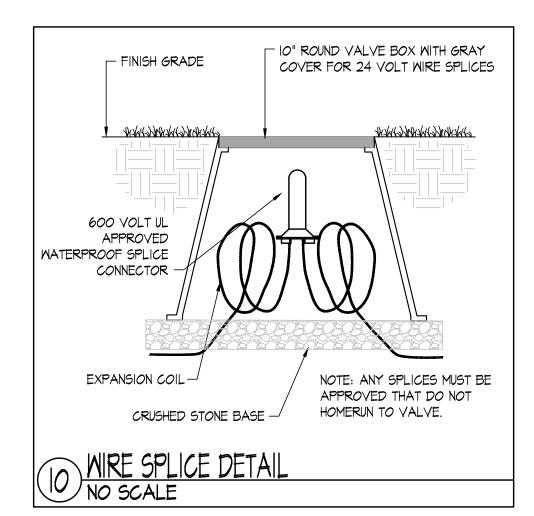




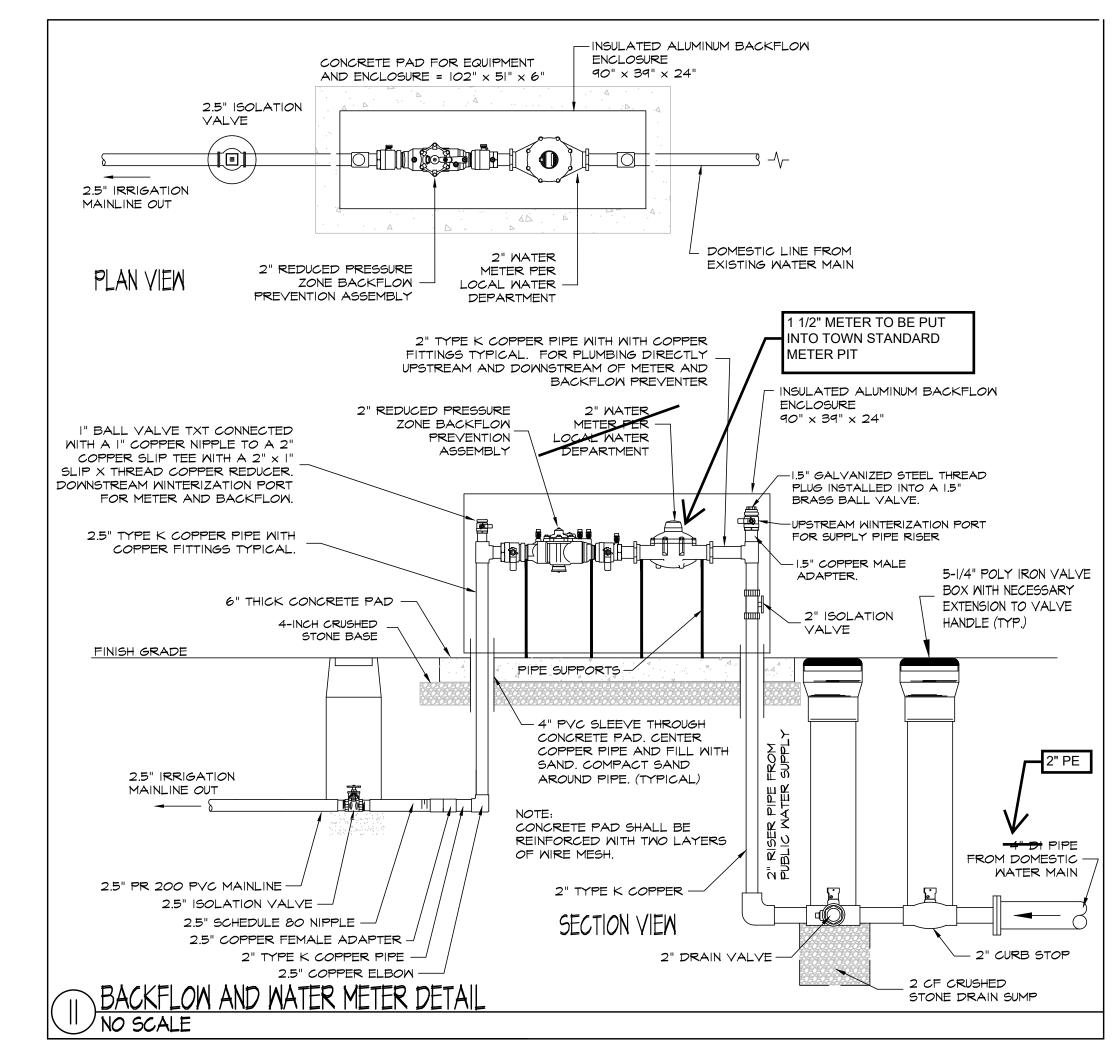


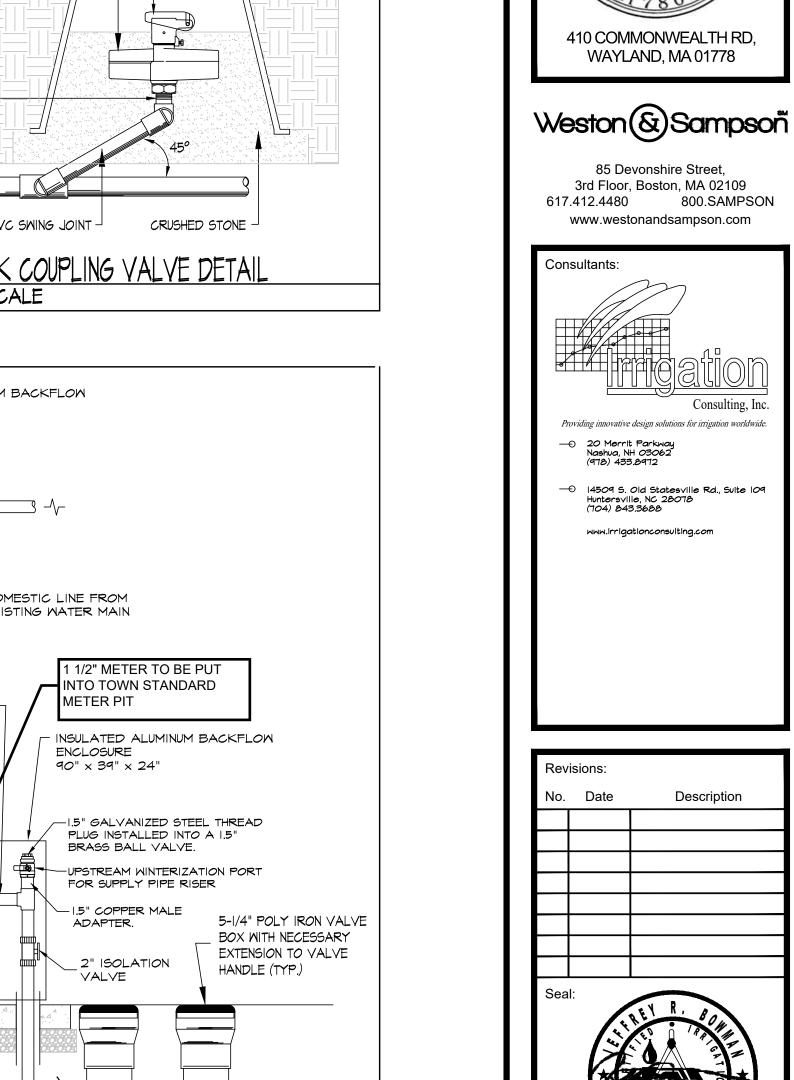


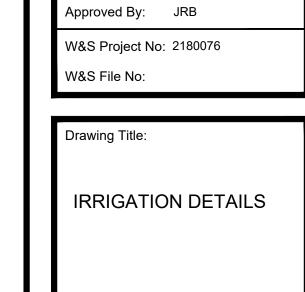




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Issued For:

Date:

Drawn By:

Reviewed By: JRB

BIDDING DOCUMENTS

AS SHOWN

JGD, JRB

APRIL 21, 2022

IMPROVEMENTS TO LOKER CONSERVATION AND RECREATION AREA

Sheet Number:



TOWN OF WAYLAND DEPARTMENT of PUBLIC WORKS WATER DIVISION

66 RIVER ROAD WAYLAND, MASSACHUSETTS 01778

BACKFLOW DEVICE DESIGN DATA AND PLUMBING PLAN

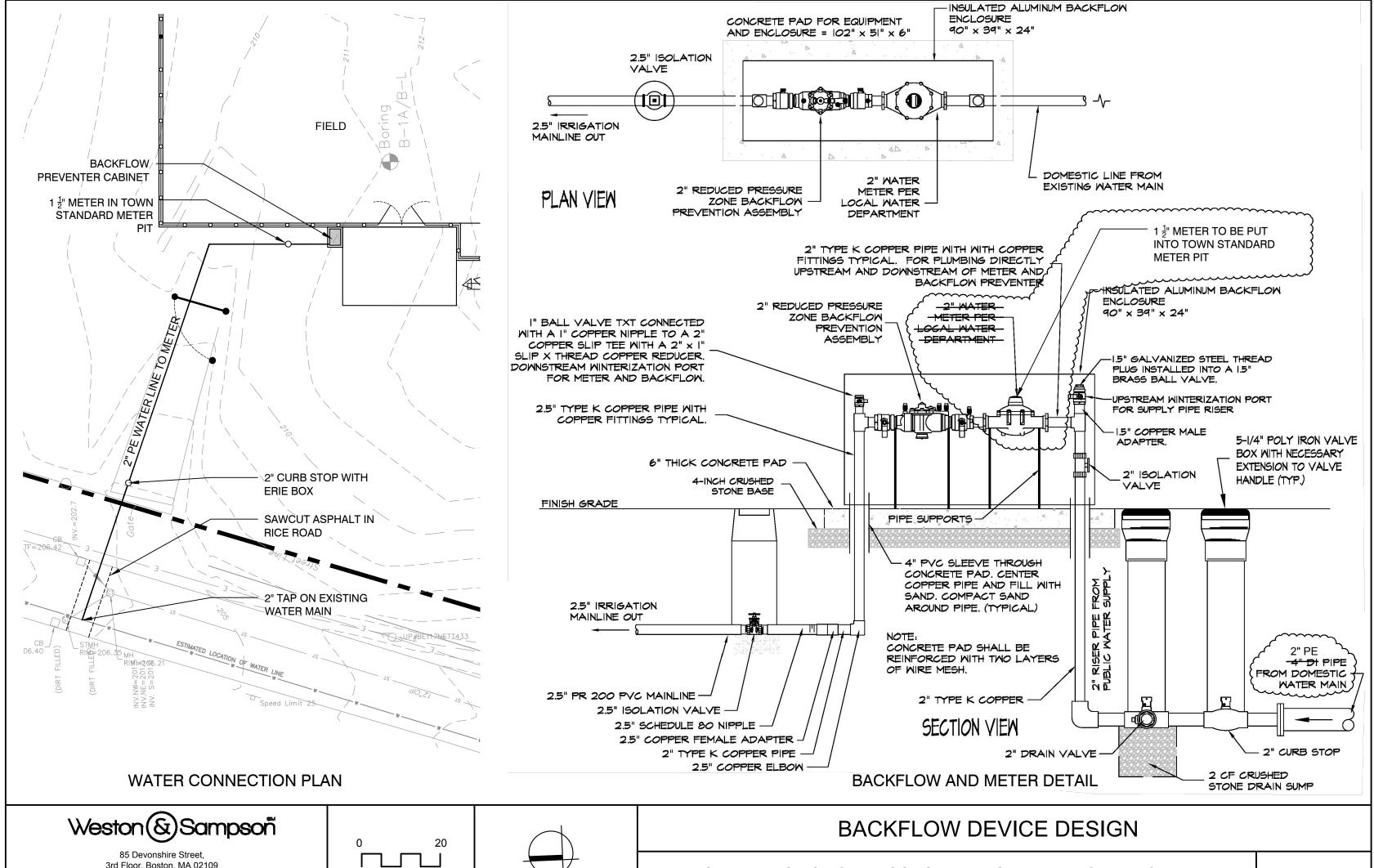
MUST BE SUBMITTED PRIOR TO INSTALLATION

SUBMIT COMPLETED FORM TO:

TOWN OF WAYLAND – DEPARTMENT OF PUBLIC WORKS
WATER DIVISION
66 RIVER ROAD
WAYLAND, MA 01778

PROPERTY OWNER INFORMATION:					
Town of Wayland					
Owner 41 Cochituate Road	l				
Street Address Wayland			MA		01778
City		State Zip Code			
FACILITY INFORM	MATION:				
Loker Conservation	and Recreation	Area			
Facility Name 412 Commonwealth	ı Road				
Street Address Wayland		MA 01778			
City Ben Keefe		State Zip Code bkeefe@wayland.ma.us 508-358-3786			Zip Code 508-358-3786
Contact Person					Phone Number
Is this Facility:	New	or	[] Existing	(check one)	
Describe the type of business or activities carried out at this facility: Recreation field and walking trails					

DEVICE D	ATA:					
Inside irria	ation cabinet located	d adjacent to the main	tenance acces	s in the north western corner of the field.		
Exact Device						
Watts	LF009		2"	Cold		
Make 2" ball valve	Model		Size	Hot or Cold Water Unit		
Type of Gar						
	te varve					
RPBP [] DCVA [] PVB By-pass Arrangement [] Yes M No						
From conta	mination associated	d with landscape irriga	tion.			
From what	type of contaminati	on is the water supply	protected?			
CROSS CC	NNECTION PLAN	N SUBMITTAL REQU	UIREMENTS:			
1. Coi	mpleted Device Des	ign Data Sheet				
2. Sch	nematic or blueprint	of plumbing system (a	at least 8 ½" x	11") detailing:		
a.	Location of up	stream & downstream	shut off valve	S		
b.	Make, model,	size and alignment of	device			
C.		table / non-potable wa				
d.	•	e, or equipment fed do system (operating pres		evice, complete with information on		
e.	-	ust be installed in acco				
_		y for approval of a bactive town offices.	ackflow devic	e installation. All other permits		
Submitted I	Sampson, Inc.					
85 Devon	ishire Street, 3rd	Floor, Boston, MA	A 02109			
Address	~~	ala@weeine.com		-		
5/23/2023 Date	ga ga	ala@wseinc.com E-mail		508-203-8318 none / Fax Numbers		
Date		E-IIIaII	rı	ione / 1'ax inumbers		
Plumping 1	Permit #					



3rd Floor, Boston, MA 02109 617.412.4480 800.SAMPSON www.westonandsampson.com

SCALE: 1"=20'-0"



IMPROVEMENTS TO LOKER CONSERVATION AND RECREATION AREA

DATE: 5/23/2023