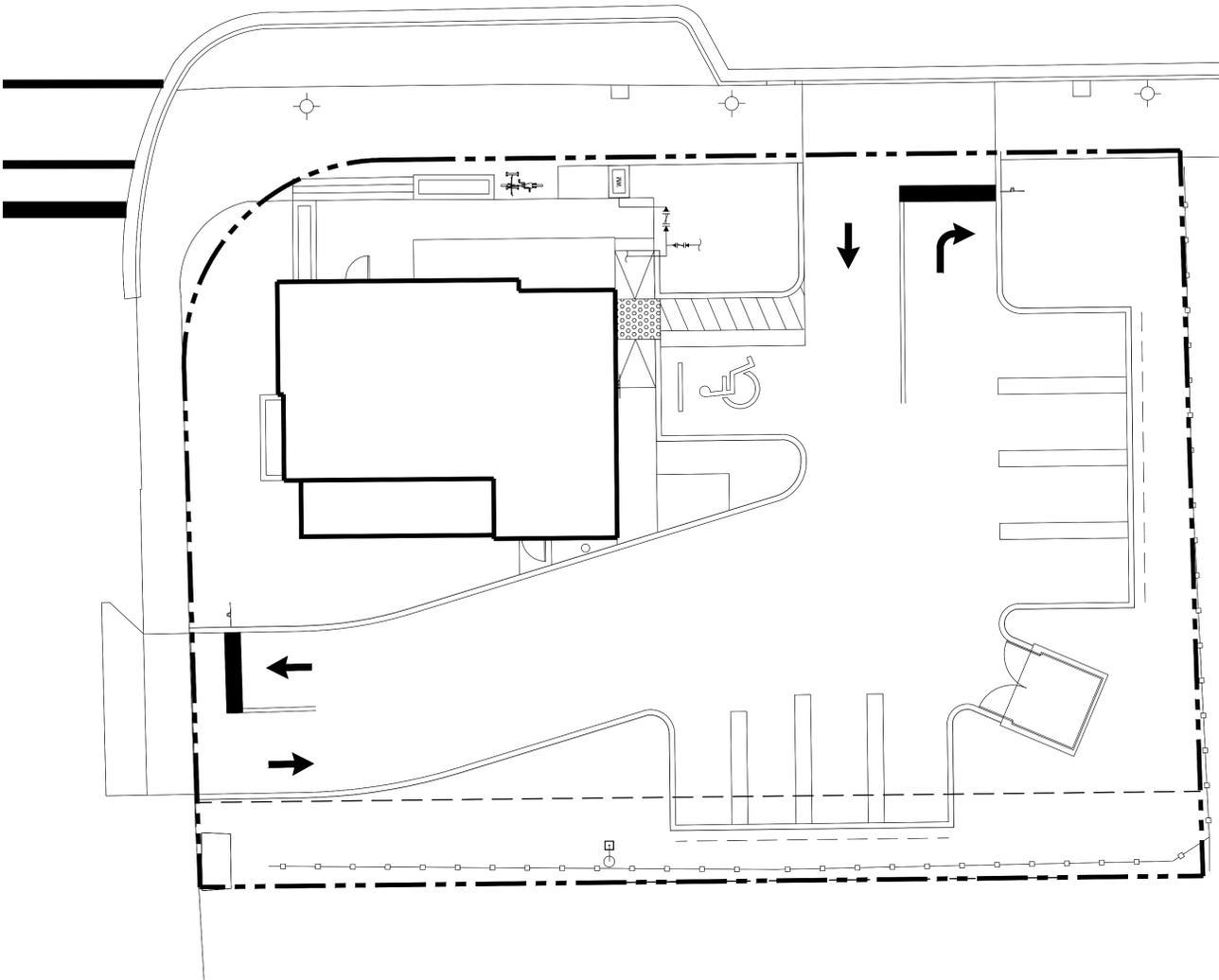


# DUNKIN DONUTS

## IRRIGATION PLAN

### 540 W ATLANTIC AVENUE DELRAY BEACH, FLORIDA



**SHEET INDEX**

SHEET	DESCRIPTION
IP.0	COVER SHEET
IP.1	IRRIGATION PLAN
IP.2	IRRIGATION DETAILS

- IRRIGATION NOTES:**
- IRRIGATION PIPING AND VALVE LOCATIONS ARE SCHEMATIC AND MUST BE INSTALLED IN LANDSCAPE AREAS WITHIN THE PROPERTY BOUNDARY
  - BACKFLOW PREVENTION AND CONTROLLER DEVICE LOCATIONS SHOWN ON PLAN ARE SCHEMATIC, FINAL INSTALL LOCATION TO BE VERIFIED BY PROPERTY OWNER
  - SLEEVES MUST BE USED FOR ANY PIPES OR IRRIGATION COMPONENTS THAT RUN UNDERNEATH PAVEMENT. SLEEVES TO BE AT LEAST TWICE THE DIAMETER OF THE PROPOSED PIPE
  - RELOCATED TREES/PALMS WILL NEED TEMPORARY WATERING UNTIL THE ESTABLISHMENT PERIOD IS COMPLETE. THIS CAN BE DONE VIA WATER TRUCK OR HAND WATERING
  - THE IRRIGATION IS INTENDED TO PROVIDE COMPLETE COVERAGE OF ALL PLANT MATERIALS AND SOD. CONTRACTOR TO ADD OR ADJUST HEADS TO ENSURE 100% HEAD TO HEAD COVERAGE IS BEING PROVIDED
  - CONTRACTOR TO PROVIDE PROPERTY OWNER WITH AS-BUILT PLANS OF THE IRRIGATION SYSTEM IF CHANGES ARE MADE DURING CONSTRUCTION
  - DO NOT INSTALL IRRIGATION IF FIELD CONDITIONS DO NOT MATCH WHAT IS SHOWN ON THE IRRIGATION PERMIT DRAWINGS, PLEASE NOTIFY PROPERTY OWNER OR IRRIGATION DESIGNER PRIOR TO PROCEEDING AS THE PLANS ARE SHOWN
  - SPRINKLER HEADS TO BE INSTALLED PERPENDICULAR TO THE FINISH GRADE UNLESS OTHERWISE SPECIFIED
  - CONTRACTOR TO ENSURE POWER SOURCE HAS BEEN PROVIDED AT PROPOSED CONTROLLER STATION. PLEASE COORDINATE WITH THE ELECTRICAL ENGINEER IF A POWER SOURCE IS NOT AVAILABLE

**LOCATION MAP**

		NW 1ST AVE.	
		ATLANTIC AVE.	
	SW 7TH AVE.	<b>SITE</b>	SW 5TH AVE.
			SW 4TH AVE.

NORTH  
 SCALE: 1" = 10'-0"

Consultants:

Revisions:

09/09/2025	- Resubmittal
11/06/2025	- Resubmittal
02/09/2026	- Resubmittal

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**540 W ATLANTIC AVENUE**  
 Delray Beach, Florida

ALWAYS CALL 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.

**sunshine811.com**

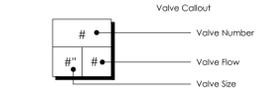
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 Drawing #: IP\_1468.dwg  
 Date: 05/29/2025

IRRIGATION PLAN

SHEET # **IP.1**

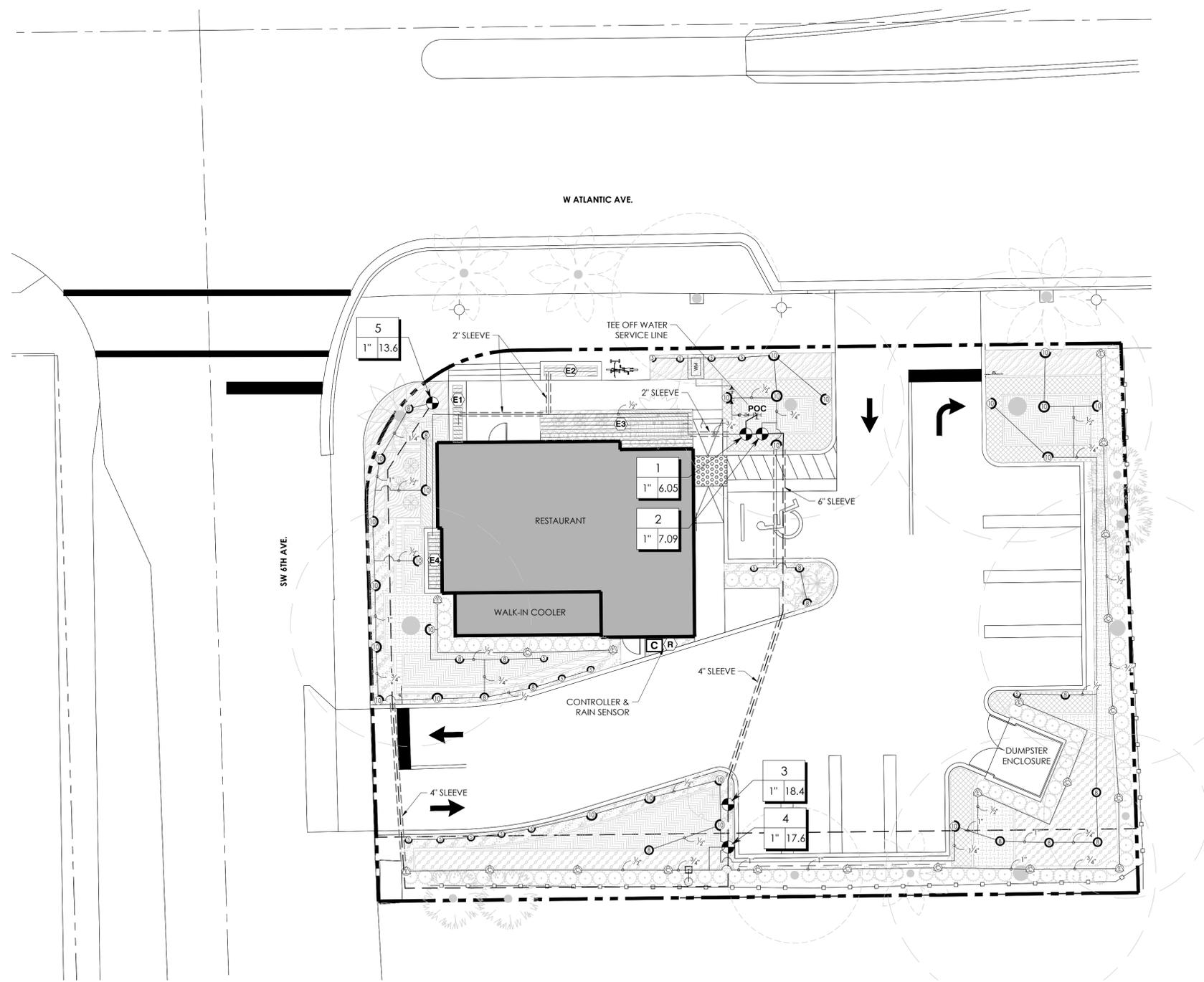
**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
ES, LCS, RCS, CS, SS	Hunter PROS-12 Strip Series Shrub Spray, 12in. Pop-Up. Co-molded wiper seal with UV Resistant Material.	21	30	
Q, H, F	Hunter PROS-12 5 Series Shrub Spray, 12in. Pop-Up. Co-molded wiper seal with UV Resistant Material.	14	30	
Q, T, H, F	Hunter PROS-12 8 Series Shrub Spray, 12in. Pop-Up. Co-molded wiper seal with UV Resistant Material.	14	30	
Q, T, H, F	Hunter PROS-12 10 Series Shrub Spray, 12in. Pop-Up. Co-molded wiper seal with UV Resistant Material.	24	30	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
E1	Hunter ECO-ID ECO-ID: 1/2in. FPT connection with 12 psi-70 psi operating pressure. Specify with Hunter SJ swing joint.	1		
E2	Hunter ECO-ID ECO-ID: 1/2in. FPT connection with 12 psi-70 psi operating pressure. Specify with Hunter SJ swing joint.	1		
E3	Hunter ECO-ID ECO-ID: 1/2in. FPT connection with 12 psi-70 psi operating pressure. Specify with Hunter SJ swing joint.	1		
E4	Hunter ECO-ID ECO-ID: 1/2in. FPT connection with 12 psi-70 psi operating pressure. Specify with Hunter SJ swing joint.	1		
[Hatched Box]	Area to Receive Dripline Hunter MLD-05-06 0.5 GPH Brown Mini Landscape Dripline. Emitters at 6" O.C. Dripline laterals spaced at 6" apart. Specify with Hunter QB 1/4in. fittings.	364.6 lf		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
[Valve Symbol]	Hunter ICV-G 1" 1in., 1-1/2in., 2in., and 3in. Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	5		
[C]	Hunter P2C-400 Light Commercial & Residential Controller, 4-station base module controller, 120 VAC, Outdoor/Indoor model	1		
[R]	Hunter RAIN-CLIK Rain Sensor, with conduit installation, mount as noted. Normally closed switch.	1		
POC	Point of Connection 2 1/2"	1		
[Solid Line]	Irrigation Lateral Line: PVC Schedule 40 1/2"	533.6 lf		
[Solid Line]	Irrigation Lateral Line: PVC Schedule 40 3/4"	192.6 lf		
[Solid Line]	Irrigation Lateral Line: PVC Schedule 40 1"	100.7 lf		
[Solid Line]	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	75.9 lf		
[Dashed Line]	Irrigation Mainline: PVC Schedule 40	221.0 lf		
[Dashed Line]	Pipe Sleeve: PVC Class 200 SDR 21	99.0 lf		

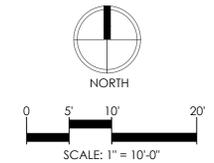


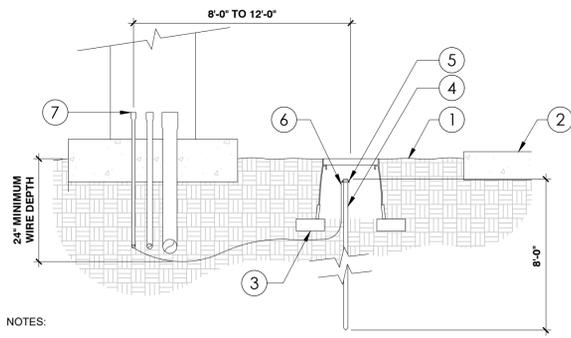
**VALVE SCHEDULE**

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ P.O.C.	PRECIP
1	Hunter ICV-G	1"	Area for Dripline	6.05	82.9	28.4		3.19 in/h
2	Hunter ICV-G	1"	Shrub Spray	7.09	80.3	33.3		1.21 in/h
3	Hunter ICV-G	1"	Shrub Spray	18.35	51.6	37.3		1.05 in/h
4	Hunter ICV-G	1"	Shrub Spray	17.55	58.6	38.1		1.58 in/h
5	Hunter ICV-G	1"	Shrub Spray	13.57	199.9	36.6		1.52 in/h
	Common Wire				221.0			



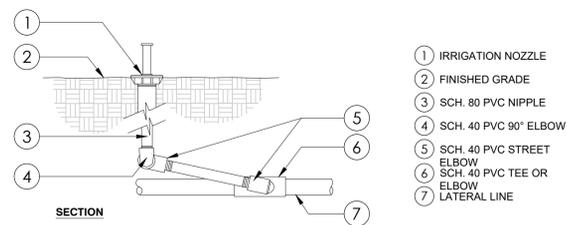
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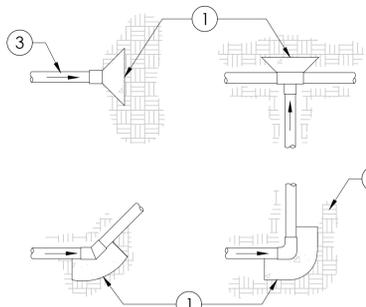
- NOTES:
- ALL GROUNDING REQUIREMENTS FOR CONTROLLERS SHALL CONFORM TO LOCAL ELECTRIC CODES.
  - GROUNDING ROD SHALL NOT BE LOCATED IN THE SAME TRENCH AS IRRIGATION MAINLINES OR LATERAL LINES.
  - VALVE BOX SHALL BE WRAPPED WITH A MINIMUM 3 MIL THICK PLASTIC AND SECURED TO THE VALVE BOX USING DUCT TAPE OR ELECTRICAL TAPE.
  - INSTALL GROUNDING ROD PER THE CONTROLLER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

**1 GROUNDING ROD**  
1" = 1'-0" P-4-01



- NOTES:
- AS ALL THREADED CONNECTIONS FROM SCH. 40 PVC TO SCH. 80 PVC SHALL BE MADE USING TEFLON TAPE.
  - HUNTER SWING JOINTS OR APPROVED EQUAL SHALL BE USED PER APPROVAL BY THE OWNER'S REPRESENTATIVE.

**2 SWING JOINT**  
3" = 1'-0" P-4-06

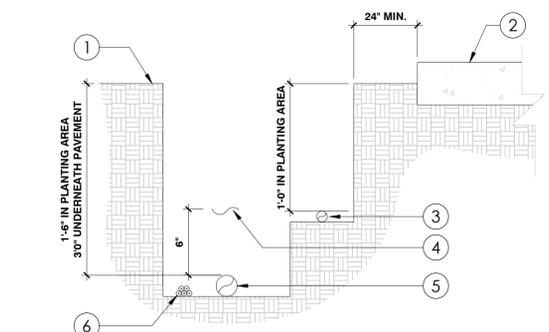


NOTES:

- SIZE THRUST BLOCKS SHALL BE SPECIFIED AS SHOW IN THE TABLE ABOVE.
- CONTROL WIRES SHALL NOT BE ENCASED IN CONCRETE.
- ALL FITTINGS SHALL BE WRAPPED WITH POLYETHYLENE TO PREVENT CONCRETE FROM ADHERING TO PIPE, FITTINGS OR BOLTS.
- JOINTS AND BOLTS SHALL BE ACCESSIBLE FOR REPAIRS.
- THRUST BLOCKS SHALL BE A MINIMUM OF 6" THICK.
- ONE 80 LBS. SACK OF CONCRETE SHALL COVER .6 FT.<sup>3</sup>

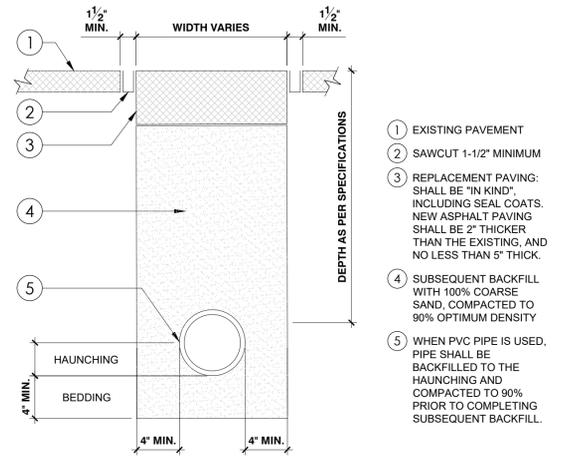
PIPE SIZE	TEE AND PLUG	90° BEND	45° BEND
1-1/2"	0.45 FEET <sup>3</sup>	0.63 FEET <sup>3</sup>	0.34 FEET <sup>3</sup>
2"	0.69 FEET <sup>3</sup>	0.97 FEET <sup>3</sup>	0.53 FEET <sup>3</sup>
2-1/2"	1.0 FEET <sup>3</sup>	1.41 FEET <sup>3</sup>	0.77 FEET <sup>3</sup>
3"	1.48 FEET <sup>3</sup>	2.10 FEET <sup>3</sup>	1.14 FEET <sup>3</sup>
4"	2.43 FEET <sup>3</sup>	3.45 FEET <sup>3</sup>	1.87 FEET <sup>3</sup>
6"	5.25 FEET <sup>3</sup>	7.41 FEET <sup>3</sup>	4.02 FEET <sup>3</sup>
8"	9.08 FEET <sup>3</sup>	12.83 FEET <sup>3</sup>	6.96 FEET <sup>3</sup>
10"	14.93 FEET <sup>3</sup>	21.07 FEET <sup>3</sup>	11.44 FEET <sup>3</sup>

**3 THRUST BLOCK**  
1 1/2" = 1'-0" P-4-07

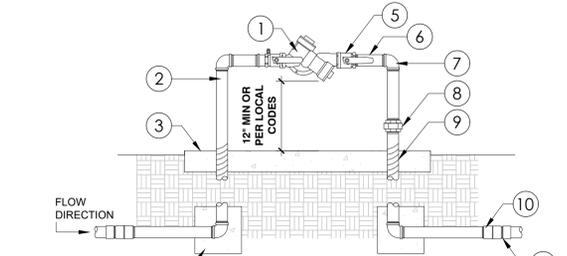


- NOTES:
- SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
  - DIRECT BURIAL CONTROL WIRES SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT IF REQUIRED.
  - 2-WIRE IRRIGATION WIRE SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT.
  - DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

**4 IRRIGATION TRENCHING**  
1 1/2" = 1'-0" P-4-08

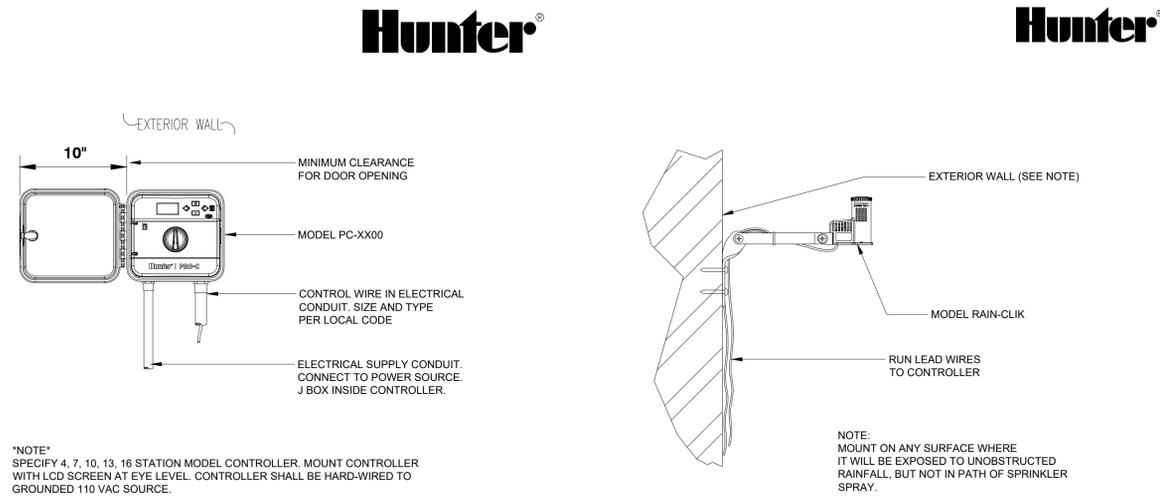


**5 TRENCH DETAIL AT ASPHALT PAVING**  
1 1/2" = 1'-0" P-4-12



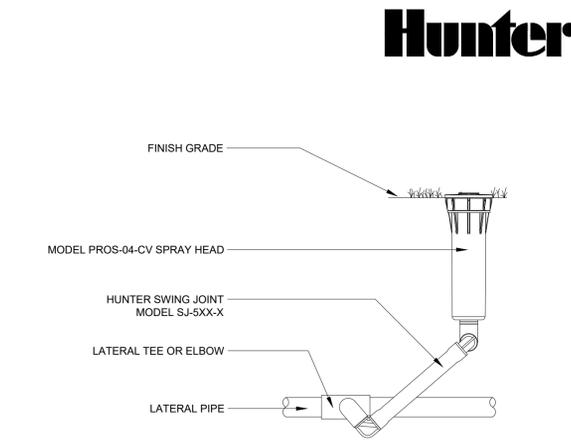
- NOTES:
- ALL ASSEMBLY PARTS (THREADED NIPPLES, FITTINGS, ETC.) SHALL BE GALVANIZED OR BRASS PER LOCAL CODES AND REQUIREMENTS.
  - GALVANIZED NIPPLE SHALL EXTEND 12" PAST THE EDGE OF THE CONCRETE FOOTING.
  - SCH. 80 PVC MALE ADAPTER SHALL BE USED IN CONNECTION FROM GALVANIZE TO THE MAINLINE.
  - BACKFLOW PREVENTION DEVICE SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE LANDSCAPE METER.
  - BACKFLOW PREVENTION DEVICE SHALL BE LOCATED IN PLANTING AREA UNLESS APPROVED BY OWNER'S REPRESENTATIVE.
  - SEE DETAIL FOR BACKFLOW CAGE INSTALLATION.
  - ALL BACKFLOW PREVENTION DEVICES SHALL HAVE FREEZE BLANKET INCLUDED UPON INSTALLATION.
  - ALL GALVANIZED CONNECTIONS SHALL TO BE MADE USING PIPE THREAD SEALANT. ALL SCH. 80 PVC TO GALVANIZED CONNECTIONS TO BE MADE USING TEFLON TAPE.

**6 BACKFLOW PREVENTION DEVICE**  
3/4" = 1'-0" P-4-13

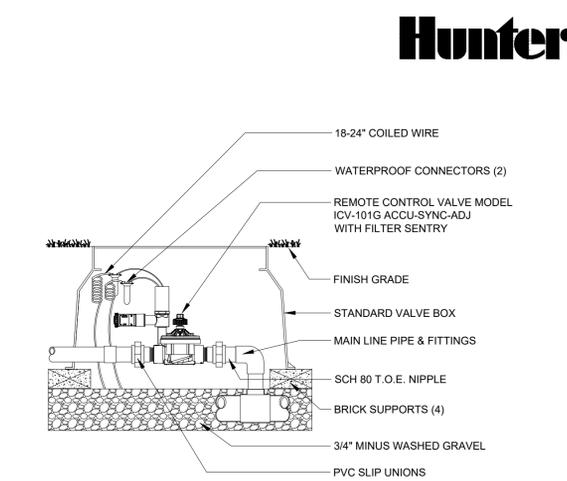


**7 PRO-C CONTROLLER**  
1 1/2" = 1'-0" P-01

**8 RAIN-CLIK**  
3" = 1'-0" P-16



**9 PROS SPARY POP-UP SERIES WITH BOTTOM INLET**  
3" = 1'-0" P-02



**10 ICV GLOBE VALVE**  
1 1/2" = 1'-0" P-03

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