

**CITY OF BRANSON, MISSOURI
PURCHASING DEPARTMENT**

**REQUEST FOR BID 2860-05A, 2860-05B, 2860-05C, 2860-05D
W 76 Country Blvd Streetscape – Segments 1 and 2**

**James Morris, Bid Coordinator
City of Branson, Purchasing Office
110 W. Maddux St., Suite 200
Branson, MO 65616**

**Date Issued: 7/24/2026
Buyer's Email: jmorris@bransonmo.gov
Telephone: (417) 337-8553 Ext. 1407
DUE DATE: 7/31/2026 at 9:00 AM**

Addendum No. 5

Vendors are directed to the documents attached following this Addendum Acknowledgement. Vendors are solely responsible for reviewing all attached materials in their entirety and ensuring their bid submission reflects any applicable changes contained therein.

Changes:

1. Change Water Meter Detail Sheet <3" Meters Sheet W15 of 16
2. Add JSP 64 Irrigation system performance specification
3. Add Schematic Irrigation Plans
4. Page 10 of the Instructions to Bidders Needs to be Changed to the Attached Revised Instructions to Bidders for the following:
 - RFB 2860-05A – EN7622 – W 76 Country Blvd Streetscape - Segments 1 and 2
 - RFB 2860-05B – SNS0032 – W 76 Country Blvd Streetscape - Segments 1 and 2
 - RFB 2860-05C – TAP 9901(886) – W 76 Country Blvd Streetscape - Segments 1 and 2
 - RFB 2860-05D – STP0761(023) – W 76 Country Blvd Streetscape - Segments 1 and 2

**ALL BIDDERS ARE REQUESTED TO SIGN THE ACKNOWLEDGMENT BELOW AND
INCLUDE WITH BIDS TO CONFIRM RECEIPT OF ADDENDUM #5**

**Signature
Acknowledged by Bidder**

End of Addendum No. 5

Addendum NO 5

ISSUED BY: Great River Engineering
2826 S. Ingram Mill Rd.
Springfield, Missouri 65804
(417) 886-7171
(417) 886-7591 --- FAX

DATE: July 24, 2026

FOR: W 76 Country Boulevard Streetscape Improvements,
Contracts EN7622, SNS0032 &
W 76 Country Blvd Median Improvements
Contracts TAP-9901(886) and STP-0761(023)
GRE Project 4515

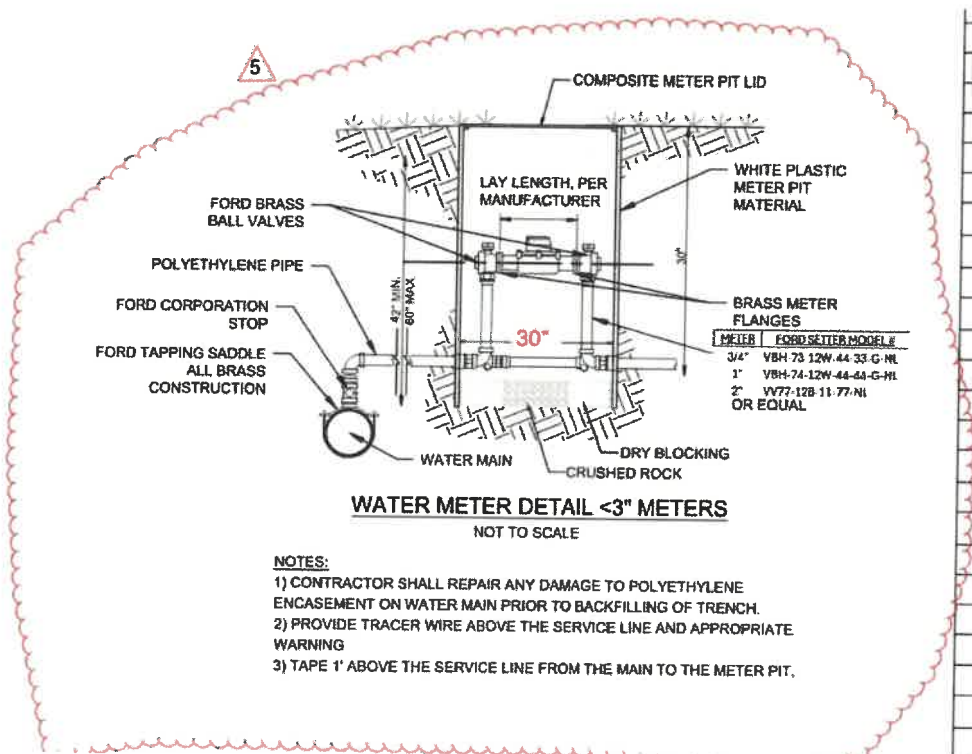


The attached revisions hereby supersede any and all data with which they may conflict as indicated on the Drawings, Specifications and related documents issued in the original set. Each trade is responsible for changes in its work caused by changes in the work of other trades. This addendum is a part of and shall be attached to the original sets of plans and specifications for the work.

Notification: There have been 4 addendums issued prior to this addendum. See Addendums 1 through 4.

CHANGES: To Contracts EN7622 and SNS0032

1. Change Water Meter Detail Sheet <3" Meters Sheet W15 of 16 to match following detail.



2. Add **JSP 64 IRRIGATION SYSTEM PERFORMANCE SPECIFICATION.** Attached.

3. Add Schematic Irrigation Plans - Attached

CLARIFICATIONS: There are no additional project clarifications.

Attachments

- JSP 64
- Schematic Irrigation Plans

There are no other clarifications or changes included with this Addendum.

64. IRRIGATION SYSTEM PERFORMANCE

The following performance specification is a summary of requirements. Included technical specifications shall be followed.

Irrigation zone control shall be automatic operation with controller and automatic control valves. Head to head coverage shall be provided for all sprinkler layouts in turf areas. The system shall be designed to avoid overspray onto buildings, asphalt, and concrete, including walkways. Maintain 100 percent irrigation coverage of areas indicated and make minor adjustments necessary to avoid plantings and obstructions such as signs and light standards. Irrigated areas shall be divided into zones that have the same water requirements such as turf, planting beds, groundcover, etc. Combining planted areas with dissimilar water requirements on a zone is unacceptable. Any irrigation heads in low areas or drainage ways shall be zoned separately. All heads within a given zone must have matched precipitation rates.

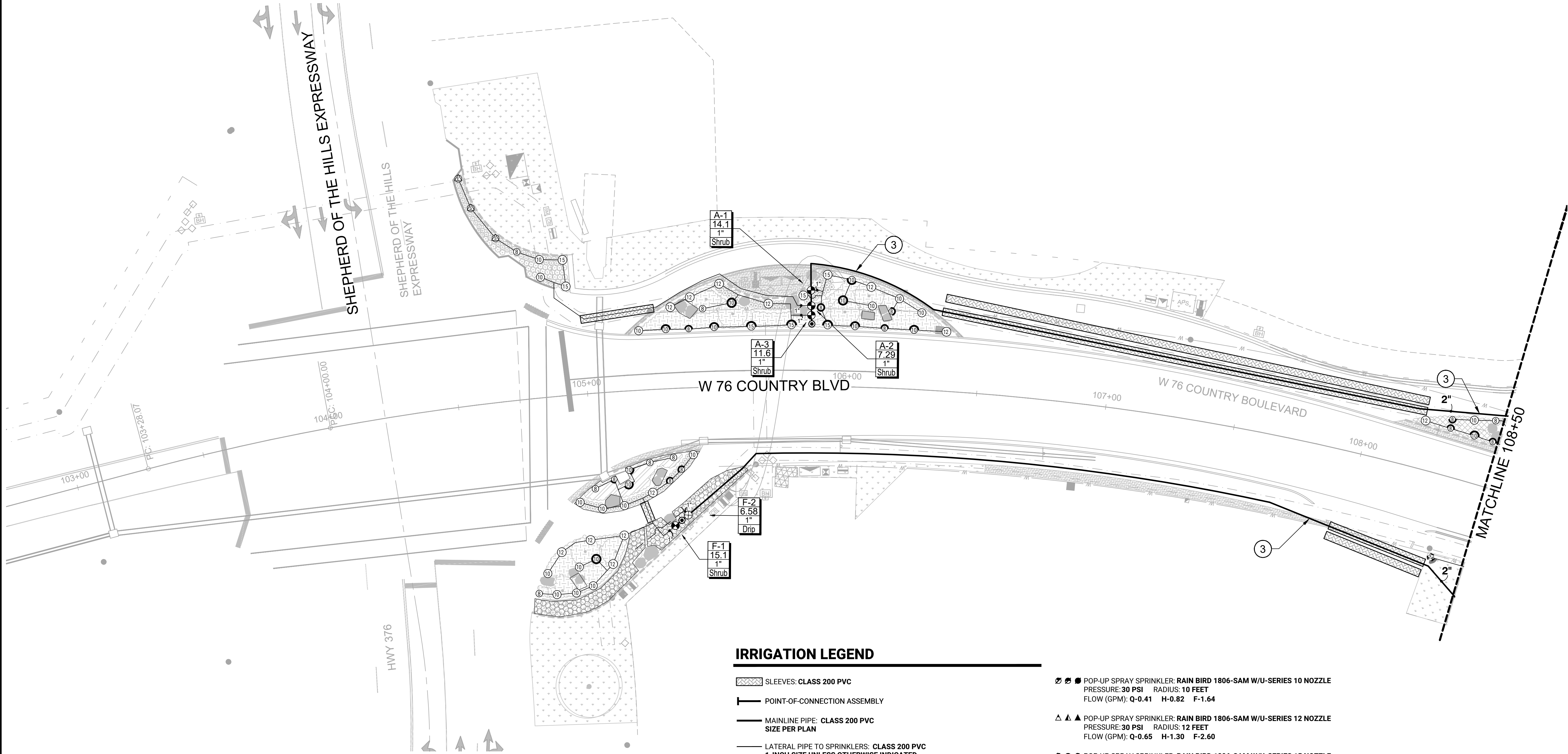
Refer to irrigation plans and technical specifications for additional information and requirements. Plans are diagrammatic and may require field adjustments. Quantities are provided for informational purposes only. It is the Contractor's responsibility to determine the actual quantities of all material, equipment, and supplies required by the project. If there are any changes to the design or quantities during construction, the Contractor shall submit a formal change order request including a description of the work and associated costs to be reviewed, approved and negotiated by Owner's Representative.

Shop Drawing Submittal: Prior to installation, the Contractor shall submit shop drawings for review and approval by the Owner's Representative showing irrigation system, including plan layout and locations, types, sizes, capacities, and flow characteristics of irrigation system components. Include valves, piping, sprinklers and devices, accessories, controls, and wiring. Show areas of sprinkler spray and overspray. Final installation plan shall be sealed by either a licensed Missouri Professional Landscape Architect or Professional Engineer.

Installer Qualifications: Engage an experienced installer with a minimum of five consecutive years experience in this area of work and having installed other jobs of similar scope and size. Contractor must have five years experience of installing irrigation systems. Contractor shall provide a minimum of three references and a list of similar projects with the following information: project name, project address, owner's name and contact information.

Demonstration: Train Owner's maintenance personnel to adjust operate, and maintain irrigation sprinklers, drip irrigation, manual valves, automatic control valves and controllers.

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CONSTRUCTION NOTES

- THE IRRIGATION SYSTEM POINT-OF-CONNECTIONS (POCS) SHALL BE DOWNSTREAM OF THE IRRIGATION WATER TAP AND METER INSTALLED BY OTHERS AT THE APPROXIMATE LOCATIONS SHOWN. INSTALL BACKFLOW PREVENTION UNIT AND MASTER VALVE ASSEMBLY AS INDICATED. VERIFY EXACT LOCATION OF POCS WITH OWNER'S REPRESENTATIVE.
- PEDESTAL MOUNT THE IRRIGATION CONTROLLERS AT THE APPROXIMATE LOCATIONS SHOWN. COORDINATE ELECTRICAL POWER TO THE CONTROLLERS WITH THE OWNER'S REPRESENTATIVE. CARE SHOULD BE TAKEN TO INSTALL THE IRRIGATION CONTROLLERS IN A LOCATION THAT IS ACCESSIBLE FOR MAINTENANCE, AND SCREENED FROM VIEW EITHER BEHIND ENTRY WALLS, NEXT TO BUILDINGS, OR BEHIND PLANT MATERIAL. FINAL LOCATIONS TO BE APPROVED BY OWNER'S REPRESENTATIVE.
- MAINLINE LOCATION, LATERAL PIPES, CONDUITS, ETC., WHERE SHOWN/DRAWN ON THE IRRIGATION PLAN, ARE TO BE CONSIDERED "SCHEMATIC" AND ARE SHOWN FOR GRAPHIC, AND OVERALL DESIGN PLAN CLARITY, PURPOSES ONLY AND SHALL BE FIELD-ADJUSTED AS REQUIRED. DO NOT WILLFULLY INSTALL THE MAINLINE (OR ANY SYSTEM COMPONENT) AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT AN OBSTRUCTION DICTATES MINIMAL LOCATION ADJUSTMENTS. INSTALL IRRIGATION COMPONENTS WITHIN LANDSCAPED AREA WITH THE APPROVAL OF OWNERS REPRESENTATIVE AFTER FIELD ADJUSTED.

POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-SAM**
W/RVAN STRIP SERIES NOZZLE
PRESSURE: **45 PSI** RADIUS: **ADJUSTABLE RECTANGULAR SPRAY**
FLOW (GPM): **SST-5'x30' 0.48 LCS/RCS 5'x15' 0.24**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ HE-VAN NOZZLES**
PRESSURE: **30 PSI** RADIUS: **AS SHOWN**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ FIXED U-SERIES 8 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **8 FEET**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ FIXED U-SERIES 10 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **10 FEET**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ FIXED U-SERIES 12 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **12 FEET**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ FIXED U-SERIES 15 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **15 FEET**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ MPR 15 STRIP NOZZLE**
PRESSURE: **30 PSI** RADIUS: **4 FEET X 15 FEET**

IRRIGATION LEGEND

SLEEVES: CLASS 200 PVC

POINT-OF-CONNECTION ASSEMBLY

MAINLINE PIPE: CLASS 200 PVC
SIZE PER PLAN

LATERAL PIPE TO SPRINKLERS: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED

LATERAL PIPE TO INLINE DRIP HEADER: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED

UNCONNECTED PIPE CROSSING

INLINE DRIP TUBING: **RAIN BIRD XFS-06-12 WITH RAINBIRD XQF DRIPLINE HEADER**
0.6 GPH EMITTERS, 12" EMITTER SPACING, 12" ROW SPACING

REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATERALS:
RAIN BIRD PEB (SIZED PER PLAN)

QUICK COUPLING VALVE ASSEMBLY: **RAIN BIRD 5RC**

ISOLATION GATE VALVE ASSEMBLY: **MATCO 514**

FLOW SENSOR ASSEMBLY: **RAIN BIRD UFS100 W/ESPLXIVMSEN**

BACKFLOW PREVENTION ASSEMBLY: **FEBCO 850 (1")**

WATER METER AND CURB STOP ASSEMBLY: **BY OTHERS**

MASTER VALVE ASSEMBLY: **RAIN BIRD PEBIVM (1") W/ IVM-SOL SOLENOID**

IRRIGATION CONTROLLER UNIT
WITH **RAIN BIRD WR2 RAIN FREEZE SENSOR**
IQ4 CELL CARTRIDGE
RAIN BIRD ESP-LXIVM TWO WIRE CONTROLLER/ 240V INTERNATIONAL MODEL

GROUNDING AND SURGE ARRESTOR ASSEMBLY: **RAIN BIRD LSP-1TURF**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1806-SAM W/U-SERIES 8 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **8 FEET**
FLOW (GPM): **Q-0.26 H-0.82 F-1.05**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1806-SAM W/U-SERIES 10 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **10 FEET**
FLOW (GPM): **Q-0.41 H-0.82 F-1.64**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1806-SAM W/U-SERIES 12 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **12 FEET**
FLOW (GPM): **Q-0.65 H-1.30 F-2.60**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1806-SAM W/U-SERIES 15 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **15 FEET**
FLOW (GPM): **Q-0.92 H-1.85 F-3.70**

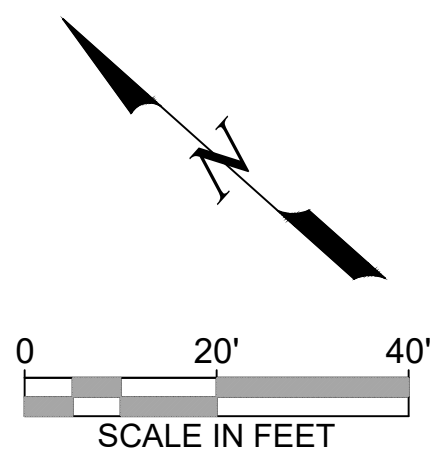
POP-UP SPRAY SPRINKLER: **RAIN BIRD 1806-SAM W/MPR SERIES NOZZLE**
PRESSURE: **30 PSI** RADIUS: **4 FEET X 15 FEET**
FLOW (GPM): **HEVAN08-1.17 HEVAN10-1.78 HEVAN12-2.37 HEVAN15-3.70**

POP-UP SPRAY SPRINKLER: **RAIN BIRD 1806-SAM W/MPR SERIES NOZZLE**
PRESSURE: **30 PSI** RADIUS: **4 FEET X 15 FEET**
FLOW (GPM): **EST-0.61 SST-1.21**

POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-SAM**
W/RVAN14 SERIES NOZZLE
PRESSURE: **45 PSI** RADIUS: **8 FEET TO 14 FEET**
FLOW (GPM): **Q-0.32 H-0.63 F-1.27**

POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-SAM**
W/RVAN18 SERIES NOZZLE
PRESSURE: **45 PSI** RADIUS: **13 FEET TO 18 FEET**
FLOW (GPM): **Q-0.50 H-1.02 F-1.85**

POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-SAM**
W/RVAN24 SERIES NOZZLE
PRESSURE: **45 PSI** RADIUS: **17 FEET TO 24 FEET**
FLOW (GPM): **Q-0.92 H-1.84 F-3.67**



No.	Revision/Issue	Date

Hines Inc SITE WATER ENGINEERING SERVICES 323 W. DRAKE RD. SUITE 204 FORT COLLINS, COLORADO 80526 Telephone: 970.282.1800 Web: www.hinesinc.com
W. 76 COUNTRY BLVD STREETSCAPE SEGMENTS 1 & 2 CITY OF BRANSON, MISSOURI
IRRIGATION PLAN W 76 COUNTRY BLVD - 103+00.00 TO 108+50.00
DATE: 07/23/2026
JOB NUMBER: 4515
SHEET IR 01 OF 14



 IRRIGATION CONTROLLER UNIT
WITH RAIN BIRD WR2 RAIN FREEZE SENSOR
IQ4 CELL CARTRIDGE
RAIN BIRD ESP-LXIVM TWO WIRE MODEL/ 240V INTERNATIONAL MODEL

 GROUNDING AND SURGE ARRESTOR ASSEMBLY: RAIN BIRD LSP-1TURF

 ■ POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 8 NOZZLE
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FLOW (GPM): Q-0.26 H-0.52 F-1.05

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PRESSURE: 30 PSI RADIUS: 10 FEET
FLOW (GPM): Q-0.41 H-0.82 F-1.64

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PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET
FLOW (GPM): EST-0.61 SST-1.21

- ## CONSTRUCTION NOTES

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W. 76 COUNTRY BLVD STREETSCAPE SEGMENTS 1 & 2 CITY OF BRANSON, MISSOURI	IRRIGATION PLAN	W 76 COUNTRY BLVD - 108+50.00 TO 114+00.00	 Hines Inc SITE WATER ENGINEERING SERVICES 323 W. DRAKE RD, SUITE 204 FORT COLLINS, COLORADO 80526 Telephone: 970.282.1800 Web: www.hinesinc.com		No.	Revision/Issue	Date
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IRRIGATION LEGEND

 SLEEVES: CLASS 200 PVC

 POINT-OF-CONNECTION ASSEMBLY

 MAINLINE PIPE: CLASS 200 PVC
SIZE PER PLAN

 LATERAL PIPE TO SPRINKLERS: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED

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PRESSURE: 45 PSI RADIUS: 8 FEET TO 14 FEET
FLOW (GPM): Q-0.32 H-0.63 F-1.27

 POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1812-SAM
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FLOW (GPM): Q-0.50 H-1.02 F-1.85

 POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1812-SAM
W/RVAN24 SERIES NOZZLE
PRESSURE: 45 PSI RADIUS: 17 FEET TO 24 FEET
FLOW (GPM): Q-0.92 H-1.84 F-3.67

 POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1812-SAM
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PRESSURE: 45 PSI RADIUS: ADJUSTABLE
FLOW (GPM): SST-5'x30' 0.48 LCS/RCS 5'x15' 0.24

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CONSTRUCTION NOTES

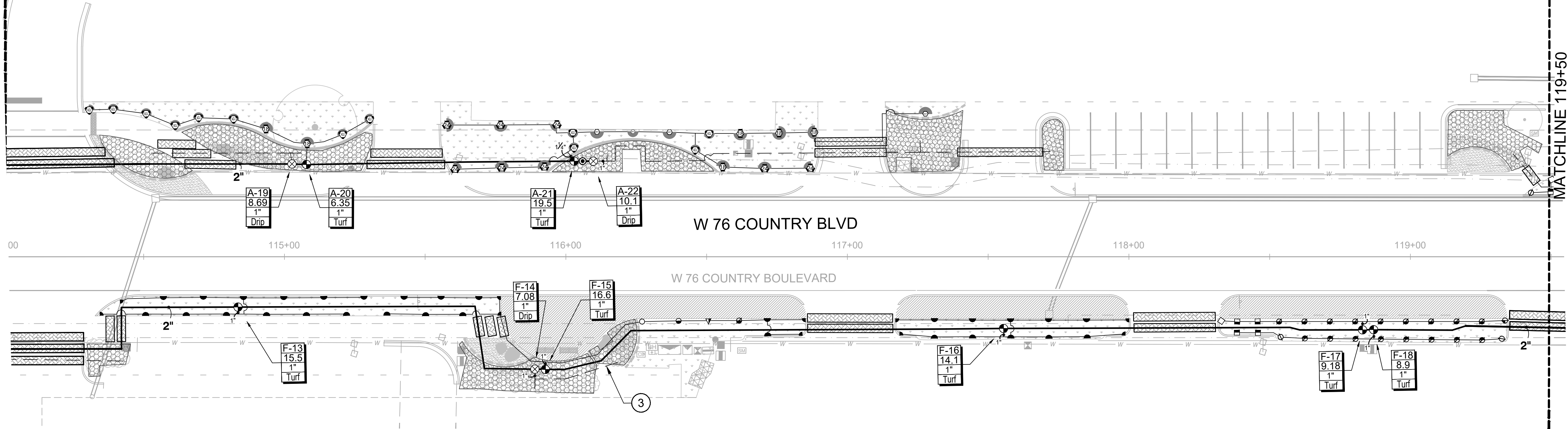
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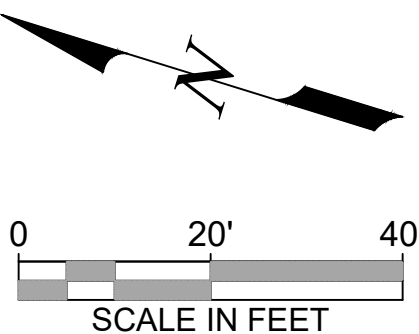
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PRESSURE: 30 PSI RADIUS: 15 FEET

 POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-SAM W/ MPR 15 STRIP NOZZLE
PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET

MATCHLINE 114+00



MATCHLINE 119+50



Hines Inc

SITE WATER ENGINEERING SERVICES
323 W. DRAKE RD. SUITE 204
FORT COLLINS, COLORADO 80526
Telephone: 970.282.1800
Web: www.hinesinc.com

W. 76 COUNTRY BLVD STREETSCAPE
SEGMENTS 1 & 2
CITY OF BRANSON, MISSOURI

IRRIGATION PLAN

W 76 COUNTRY BLVD - 114+00.00 TO 119+50.00

DATE: 07/23/2026

JOB NUMBER: 4515

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IRRIGATION LEGEND

 SLEEVES: CLASS 200 PVC

 POINT-OF-CONNECTION ASSEMBLY

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1-INCH SIZE UNLESS OTHERWISE INDICATED

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IQ4 CELL CARTRIDGE
RAIN BIRD ESP-LXIVM TWO WIRE CONTROLLER/ 240V INTERNATIONAL MODEL

 GROUNDING AND SURGE ARRESTOR ASSEMBLY: RAIN BIRD LSP-1TURF

 POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 8 NOZZLE
PRESSURE: 30 PSI RADIUS: 8 FEET
FLOW (GPM): Q-0.26 H-0.52 F-1.05

 POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 10 NOZZLE
PRESSURE: 30 PSI RADIUS: 10 FEET
FLOW (GPM): Q-0.41 H-0.82 F-1.64

 POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 12 NOZZLE
PRESSURE: 30 PSI RADIUS: 12 FEET
FLOW (GPM): Q-0.65 H-1.30 F-2.60

 POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 15 NOZZLE
PRESSURE: 30 PSI RADIUS: 15 FEET
FLOW (GPM): Q-0.92 H-1.85 F-3.70

 POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/MPR SERIES NOZZLE
PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET
FLOW (GPM): HEVAN08-1.17 HEVAN10-1.78 HEVAN12-2.37 HEVAN15-3.70

 POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/MPR SERIES NOZZLE
PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET
FLOW (GPM): EST-0.61 SST-1.21

 POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1812-SAM
W/RVAN14 SERIES NOZZLE
PRESSURE: 45 PSI RADIUS: 8 FEET TO 14 FEET
FLOW (GPM): Q-0.32 H-0.63 F-1.27

 POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1812-SAM
W/RVAN18 SERIES NOZZLE
PRESSURE: 45 PSI RADIUS: 13 FEET TO 18 FEET
FLOW (GPM): Q-0.50 H-1.02 F-1.85

 POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1812-SAM
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PRESSURE: 45 PSI RADIUS: 17 FEET TO 24 FEET
FLOW (GPM): Q-0.92 H-1.84 F-3.67

 POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1812-SAM
W/RVAN24 SERIES NOZZLE
PRESSURE: 45 PSI RADIUS: ADJUSTABLE RECTANGULAR SPRAY
FLOW (GPM): SST-5'x30' 0.48 LCS/RCS 5'x15' 0.24

 POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-SAM W/ HE-VAN NOZZLES
PRESSURE: 30 PSI RADIUS: AS SHOWN

 POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-SAM W/ FIXED U-SERIES 8 NOZZLE
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 POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-SAM W/ FIXED U-SERIES 10 NOZZLE
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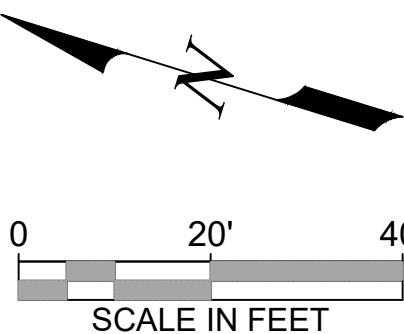
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 POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-SAM W/ FIXED U-SERIES 12 NOZZLE
PRESSURE: 30 PSI RADIUS: 12 FEET

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PRESSURE: 30 PSI RADIUS: 15 FEET

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PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET



W. 76 COUNTRY BLVD STREETSCAPE
SEGMENTS 1 & 2
CITY OF BRANSON, MISSOURI

IRRIGATION PLAN

W 76 COUNTRY BLVD - 114+00.00 TO 119+50.00

DATE: 07/23/2026

JOB NUMBER: 4515

SHEET
IR 04 OF 14

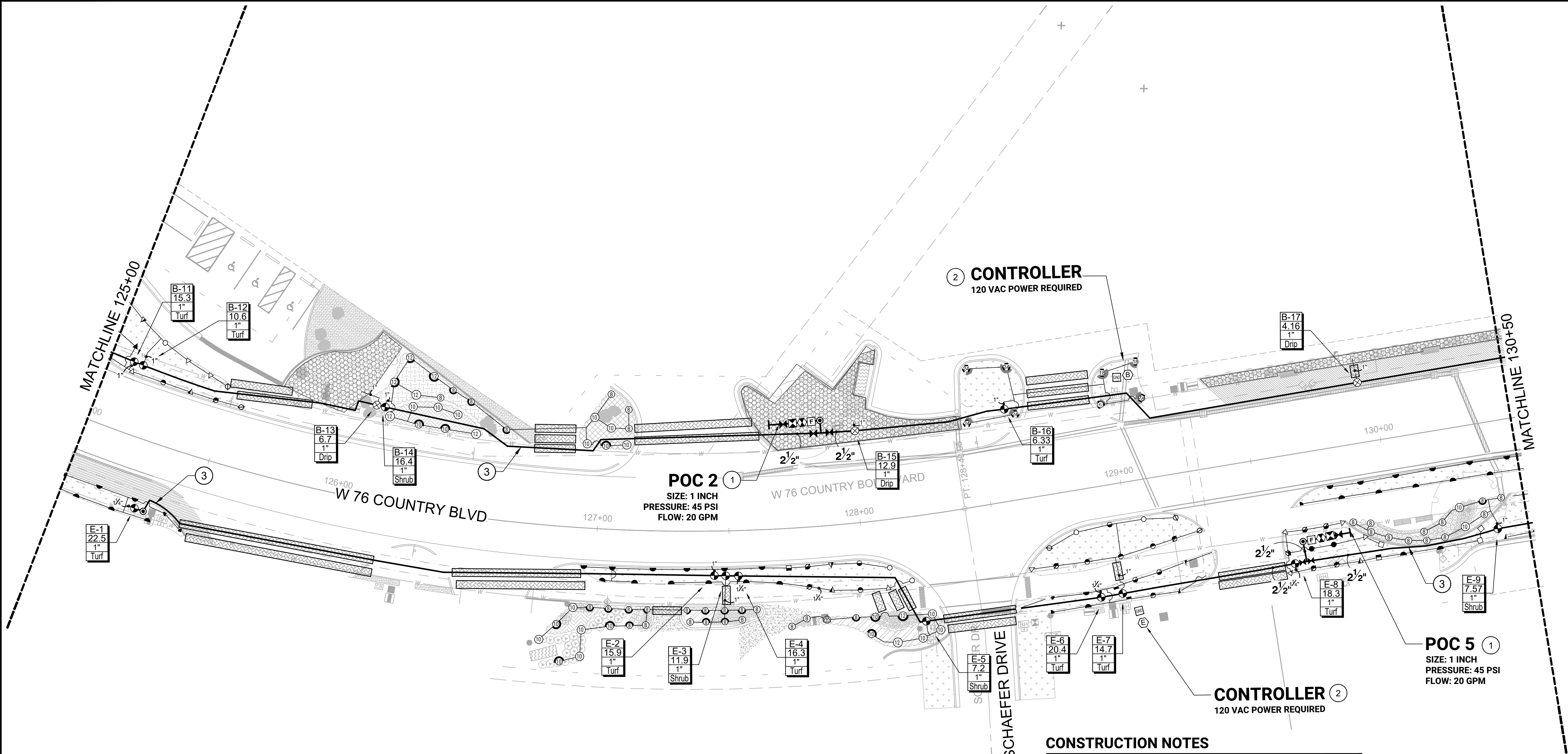
Hines Inc



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No.	Revision/Issue	Date

C:\Hines Inc Dropbox\Design\Projects\Ireol\W_76 Country Blvd Streetscape Segments 1-2\ACAD\IR-W_76 Final.dwg PLOT DATE: 7/23/2026 11:52:25 AM LAST SAVE: 7/23/2026 11:50:42 AM



IRRIGATION LEGEND

- SLEEVES: CLASS 200 PVC
- POINT-OF-CONNECTION ASSEMBLY
- MAINLINE PIPE: CLASS 200 PVC
SIZE PER PLAN
- LATERAL PIPE TO SPRINKLERS: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED
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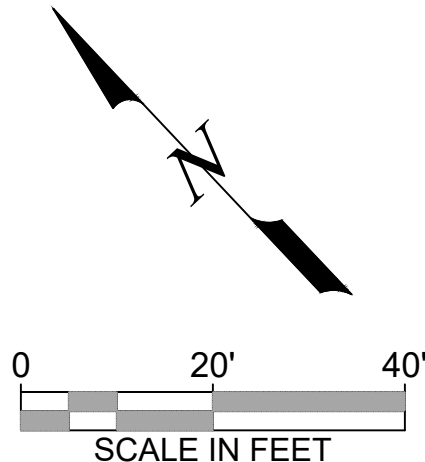
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Date

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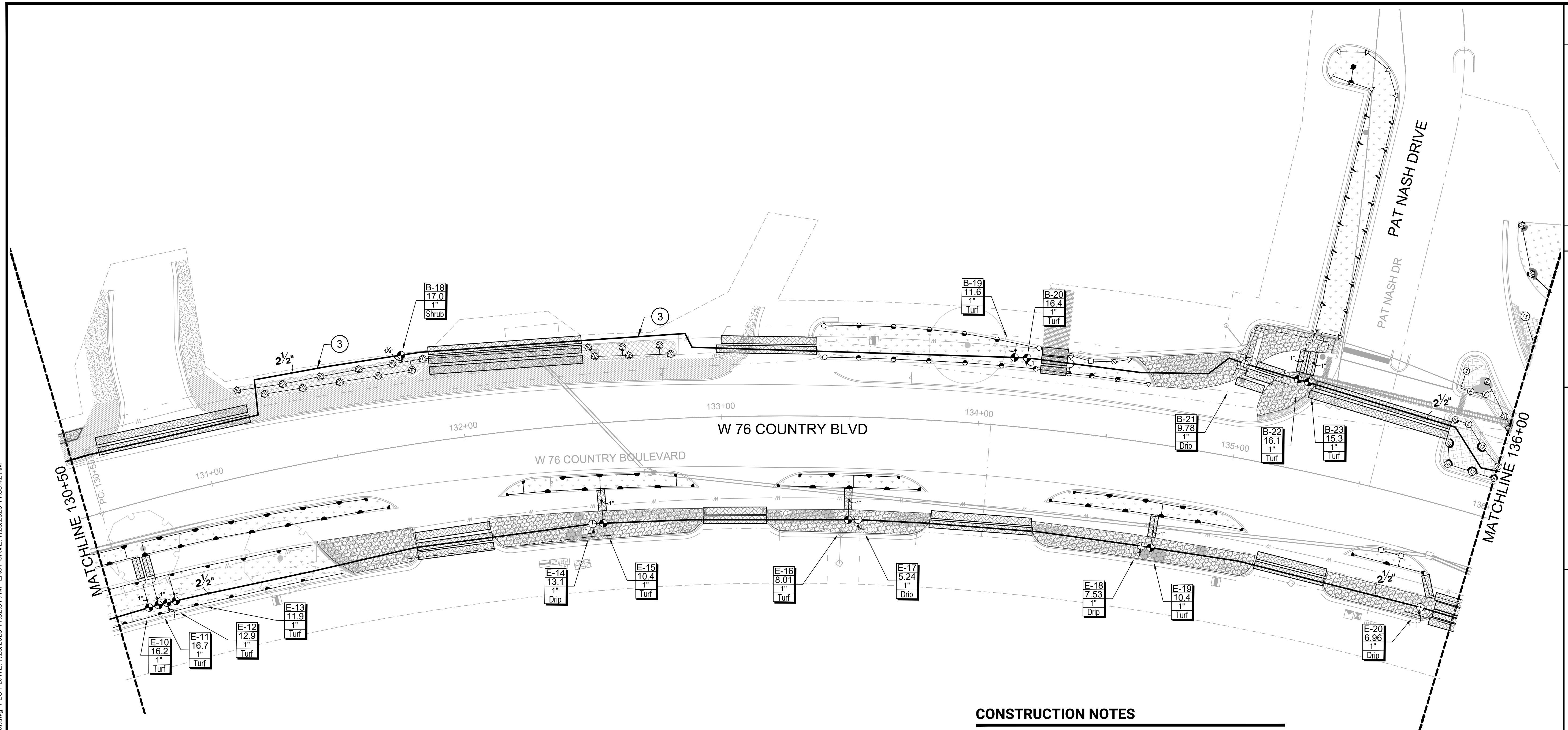
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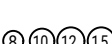
JOB NUMBER: 4515

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IRRIGATION LEGEND

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CONSTRUCTION NOTES

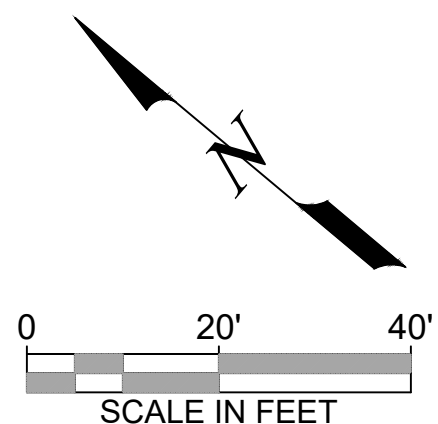
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 PRESSURE: **30 PSI** RADIUS: **15 FEET**
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IRRIGATION PLAN

W 76 COUNTRY BLVD - 130+50.00 TO 136+00.00

DATE: 07/23/2026

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SHEET

IR 06 OF 14

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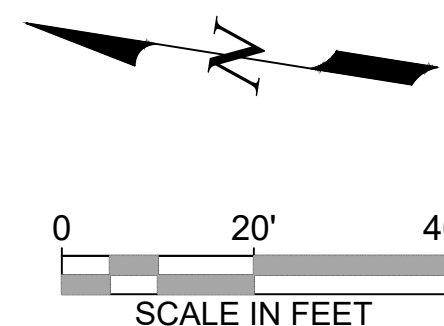
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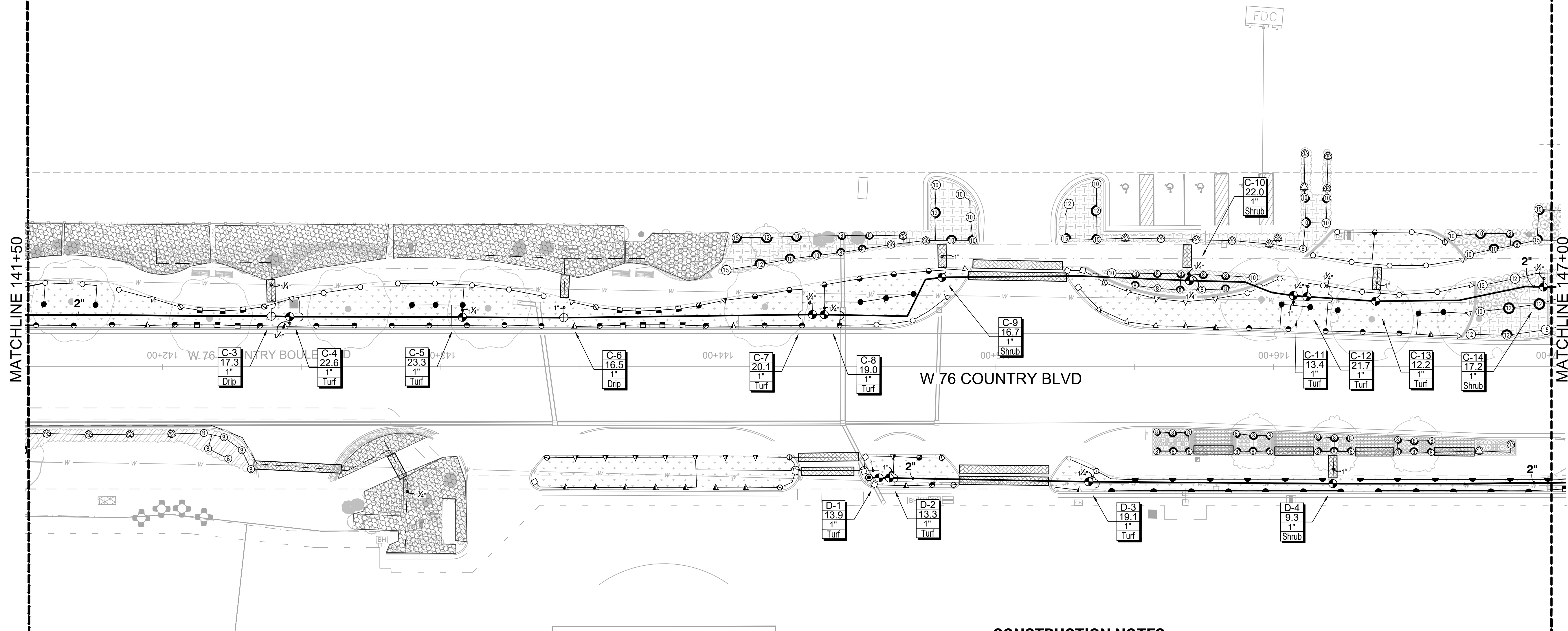
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 - 
 POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ FIXED U-SERIES 15 NOZZLE**
 PRESSURE: **30 PSI** RADIUS: **15 FEET**
 - 
 POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ MPR 15 STRIP NOZZLE**
 PRESSURE: **30 PSI** RADIUS: **4 FEET X 15 FEET**



W. 76 COUNTRY BLVD STREETSCAPE SEGMENTS 1 & 2 CITY OF BRANSON, MISSOURI IRRIGATION PLAN W 76 COUNTRY BLVD - 136+00.00 TO 141+50.00			 Hines Inc SITE WATER ENGINEERING SERVICES 323 W. DRAKE RD, SUITE 204 FORT COLLINS, COLORADO 80526 Telephone: 970.282.1800 Web: www.hinesinc.com					No.	Revision/Issue	Date



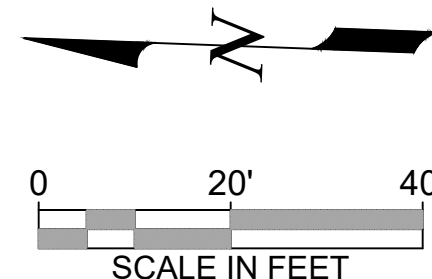
IRRIGATION LEGEND

- | | |
|---|--|
|  SLEEVES: CLASS 200 PVC |  IRRIGATION CONTROLLER UNIT
WITH RAIN BIRD WR2 RAIN FREEZE SENSOR
IQ4 CELL CARTRIDGE
RAIN BIRD ESP-LXIVM TWO WIRE CONTROLLER/ 240V INTERNATIONAL MODEL |
|  POINT-OF-CONNECTION ASSEMBLY |  GROUNDING AND SURGE ARRESTOR ASSEMBLY: RAIN BIRD LSP-1TURF |
|  MAINLINE PIPE: CLASS 200 PVC
SIZE PER PLAN |   POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 8 NOZZLE
PRESSURE: 30 PSI RADIUS: 8 FEET
FLOW (GPM): Q-0.26 H-0.52 F-1.05 |
|  LATERAL PIPE TO SPRINKLERS: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED |   POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 10 NOZZLE
PRESSURE: 30 PSI RADIUS: 10 FEET
FLOW (GPM): Q-0.41 H-0.82 F-1.64 |
|  LATERAL PIPE TO INLINE DRIP HEADER: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED |   POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 12 NOZZLE
PRESSURE: 30 PSI RADIUS: 12 FEET
FLOW (GPM): Q-0.65 H-1.30 F-2.60 |
|  UNCONNECTED PIPE CROSSING |   POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 15 NOZZLE
PRESSURE: 30 PSI RADIUS: 15 FEET
FLOW (GPM): Q-0.92 H-1.85 F-3.70 |
|  INLINE DRIP TUBING: RAIN BIRD XFS-06-12 WITH RAINBIRD XQF DRIPLINE HEADER
0.6 GPH EMITTERS, 12" EMITTER SPACING, 12" ROW SPACING |   POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/MPR SERIES NOZZLE
PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET
FLOW (GPM): HEVAN08-1.17 HEVAN10-1.78 HEVAN12-2.37 HEVAN15-3.70 |
|  REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATERALS:
RAIN BIRD PEB (SIZED PER PLAN) |   POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/MPR SERIES NOZZLE
PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET
FLOW (GPM): EST-0.61 SST-1.21 |
|  QUICK COUPLING VALVE ASSEMBLY: RAIN BIRD 5RC | |
|  ISOLATION GATE VALVE ASSEMBLY: MATCO 514 | |
|  FLOW SENSOR ASSEMBLY: RAIN BIRD UFS100 W/ESPLXIVMSEN | |
|  BACKFLOW PREVENTION ASSEMBLY: FEBCO 850 (1") | |
|  WATER METER AND CURB STOP ASSEMBLY: BY OTHERS | |
|  MASTER VALVE ASSEMBLY: RAIN BIRD PEBIVM (1") W/ IVM-SOL SOLENOID | |

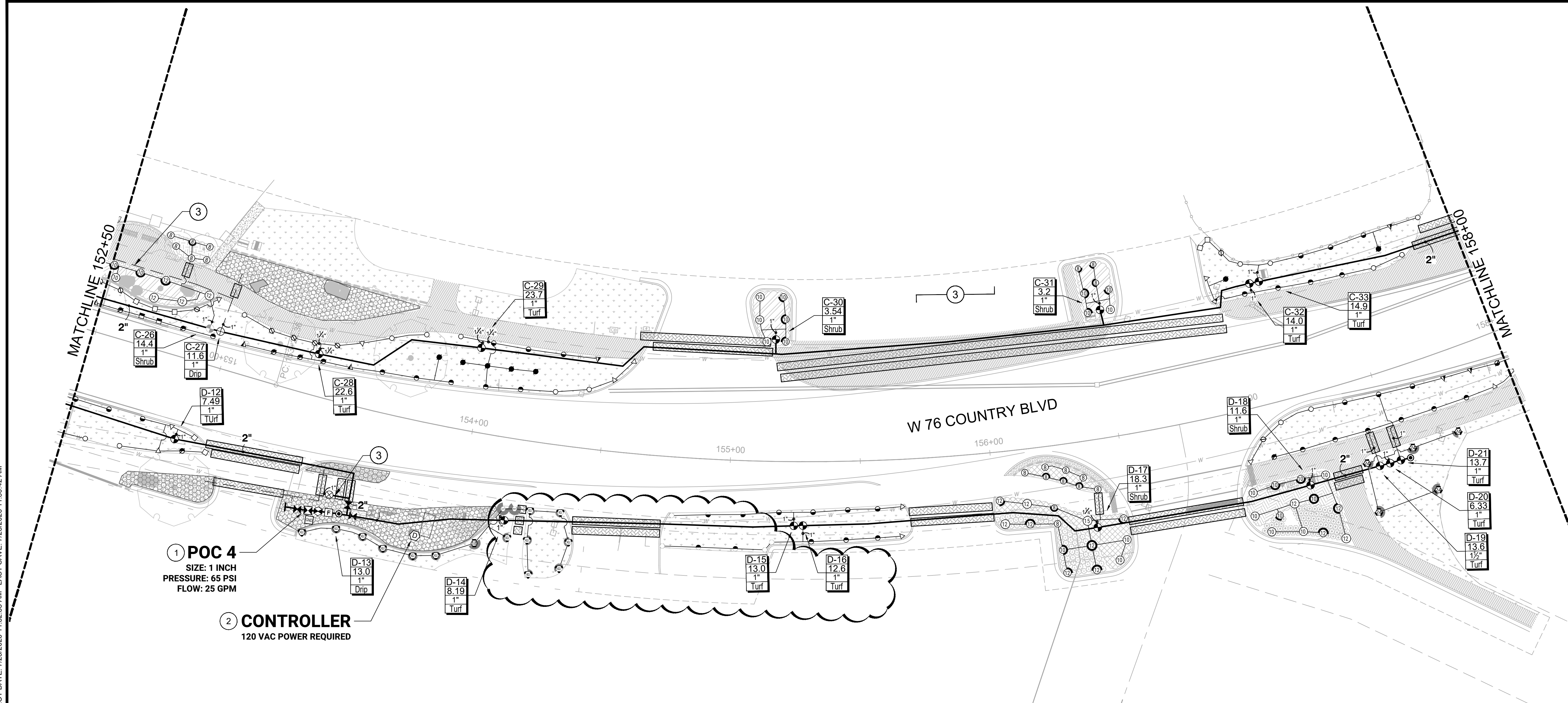
-  POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-SAM**
W/RVAN14 SERIES NOZZLE
PRESSURE: **45 PSI** RADIUS: **8 FEET TO 14 FEET**
FLOW (GPM): **Q-0.32 H-0.63 F-1.27**
-  POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-SAM**
W/RVAN14 SERIES NOZZLE
PRESSURE: **45 PSI** RADIUS: **13 FEET TO 18 FEET**
FLOW (GPM): **Q-0.50 H-1.02 F-1.85**
-  POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-SAM**
W/RVAN24 SERIES NOZZLE
PRESSURE: **45 PSI** RADIUS: **17 FEET TO 24 FEET**
FLOW (GPM): **Q-0.92 H-1.84 F-3.67**
-  POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-SAM**
W/RVAN STRIP SERIES NOZZLE
PRESSURE: **45 PSI** RADIUS: **ADJUSTABLE RECTANGULAR SPRAY**
FLOW (GPM): **SST-5'x30' 0.48 LCS/RC5 5'x15' 0.24**
-  POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ HE-VAN NOZZLES**
PRESSURE: **30 PSI** RADIUS: **AS SHOWN**
-  POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ FIXED U-SERIES 8 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **8 FEET**
-  POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ FIXED U-SERIES 10 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **10 FEET**

CONSTRUCTION NOTES

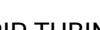
- 1 THE IRRIGATION SYSTEM POINT-OF-CONNECTIONS (POCS) SHALL BE DOWNSTREAM OF THE IRRIGATION WATER PAST AND METER INSTALLED BY OTHERS AT THE APPROXIMATE LOCATIONS SHOWN. INSTALL BACKFLOW PREVENTION UNIT AND MASTER VALVE ASSEMBLY AS INDICATED. VERIFY EXACT LOCATION OF POCS WITH OWNER'S REPRESENTATIVE.
- 2 PEDESTAL MOUNT THE IRRIGATION CONTROLLERS AT THE APPROXIMATE LOCATIONS SHOWN. COORDINATE ELECTRICAL POWER TO THE CONTROLLERS WITH THE OWNER'S REPRESENTATIVE. CARE SHOULD BE TAKEN TO INSTALL THE IRRIGATION CONTROLLERS IN A LOCATION THAT IS ACCESSIBLE FOR MAINTENANCE, AND SCREENED FROM VIEW EITHER BEHIND ENTRY WALLS, NEXT TO BUILDINGS, OR BEHIND PLANT MATERIAL. FINAL LOCATIONS TO BE APPROVED BY OWNER'S REPRESENTATIVE.
- 3 MAINLINE LOCATION, LATERAL PIPES, CONDUITS, ETC., WHERE SHOWN/DRAWN ON THE IRRIGATION PLAN, ARE TO BE CONSIDERED "SCHEMATIC" AND ARE SHOWN FOR GRAPHIC, AND OVERALL DESIGN PLAN CLARITY, PURPOSES ONLY AND SHALL BE FIELD-ADJUSTED AS REQUIRED. DO NOT WILLFULLY INSTALL THE MAINLINE (OR ANY SYSTEM COMPONENT) AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT AN OBSTRUCTION DICTATES MINIMAL LOCATION ADJUSTMENTS. INSTALL IRRIGATION COMPONENTS WITHIN LANDSCAPED AREA WITH THE APPROVAL OF OWNERS REPRESENTATIVE AFTER FIELD ADJUSTED.
-
- 10 10 POP-UP SPRAY SPRINKLER:RAIN BIRD 1812-SAM W/ FIXED U-SERIES 12 NOZZLE
H H
PRESSURE: 30 PSI RADIUS: 12 FEET
- 15 15 POP-UP SPRAY SPRINKLER:RAIN BIRD 1812-SAM W/ FIXED U-SERIES 15 NOZZLE
H H
PRESSURE: 30 PSI RADIUS: 15 FEET
- EST LCS POP-UP SPRAY SPRINKLER:RAIN BIRD 1812-SAM W/ MPR 15 STRIP NOZZLE
RCS
PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET



W. 76 COUNTRY BLVD STREETSCAPE SEGMENTS 1 & 2 CITY OF BRANSON, MISSOURI IRRIGATION PLAN W 76 COUNTRY BLVD - 141'+50.00 TO 147'+00.00			Hines Inc SITE WATER ENGINEERING SERVICES 323 W. DRAKE RD, SUITE 204 FORT COLLINS, COLORADO 80526 Telephone: 970.282.1800 Web: www.hinesinc.com						No.	Revision/Issue	Date
DATE: 07/23/2026											
JOB NUMBER: 4515											
SHEET IR 08 OF 14											



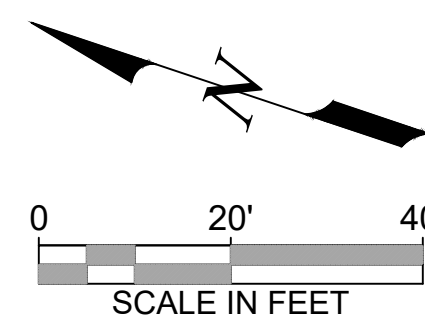
IRRIGATION LEGEND

- | | | | |
|---|---|---|--|
|  | SLEEVES: CLASS 200 PVC |  | IRRIGATION CONTROLLER UNIT
WITH RAIN BIRD WR2 RAIN FREEZE SENSOR
IQ4 CELL CARTRIDGE
RAIN BIRD ESP-LXIVM TWO WIRE CONTROLLER/ 240V INTERNATIONAL MODEL |
|  | POINT-OF-CONNECTION ASSEMBLY |  | GROUNDING AND SURGE ARRESTOR ASSEMBLY: RAIN BIRD LSP-1TURF |
|  | MAINLINE PIPE: CLASS 200 PVC
SIZE PER PLAN |  | POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 8 NOZZLE
PRESSURE: 30 PSI RADIUS: 8 FEET
FLOW (GPM): Q-0.26 H-0.52 F-1.05 |
|  | LATERAL PIPE TO SPRINKLERS: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED |  | POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 10 NOZZLE
PRESSURE: 30 PSI RADIUS: 10 FEET
FLOW (GPM): Q-0.41 H-0.82 F-1.64 |
|  | LATERAL PIPE TO INLINE DRIP HEADER: CLASS 200 PVC
1-INCH SIZE UNLESS OTHERWISE INDICATED |  | POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 12 NOZZLE
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FLOW (GPM): Q-0.92 H-1.85 F-3.70 |
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0.6 GPH EMITTERS, 12" EMITTER SPACING, 12" ROW SPACING |  | POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/MPR SERIES NOZZLE
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RAIN BIRD PEB (SIZED PER PLAN) | | |
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|  | FLOW SENSOR ASSEMBLY: RAIN BIRD UFS100 W/ESPLXIVMSEN | | |
|  | BACKFLOW PREVENTION ASSEMBLY: FEBCO 850 (1") | | |
|  | WATER METER AND CURB STOP ASSEMBLY: BY OTHERS | | |
|  | MASTER VALVE ASSEMBLY: RAIN BIRD PEBIVM (1") W/ IVM-SOL SOLENOID | | |

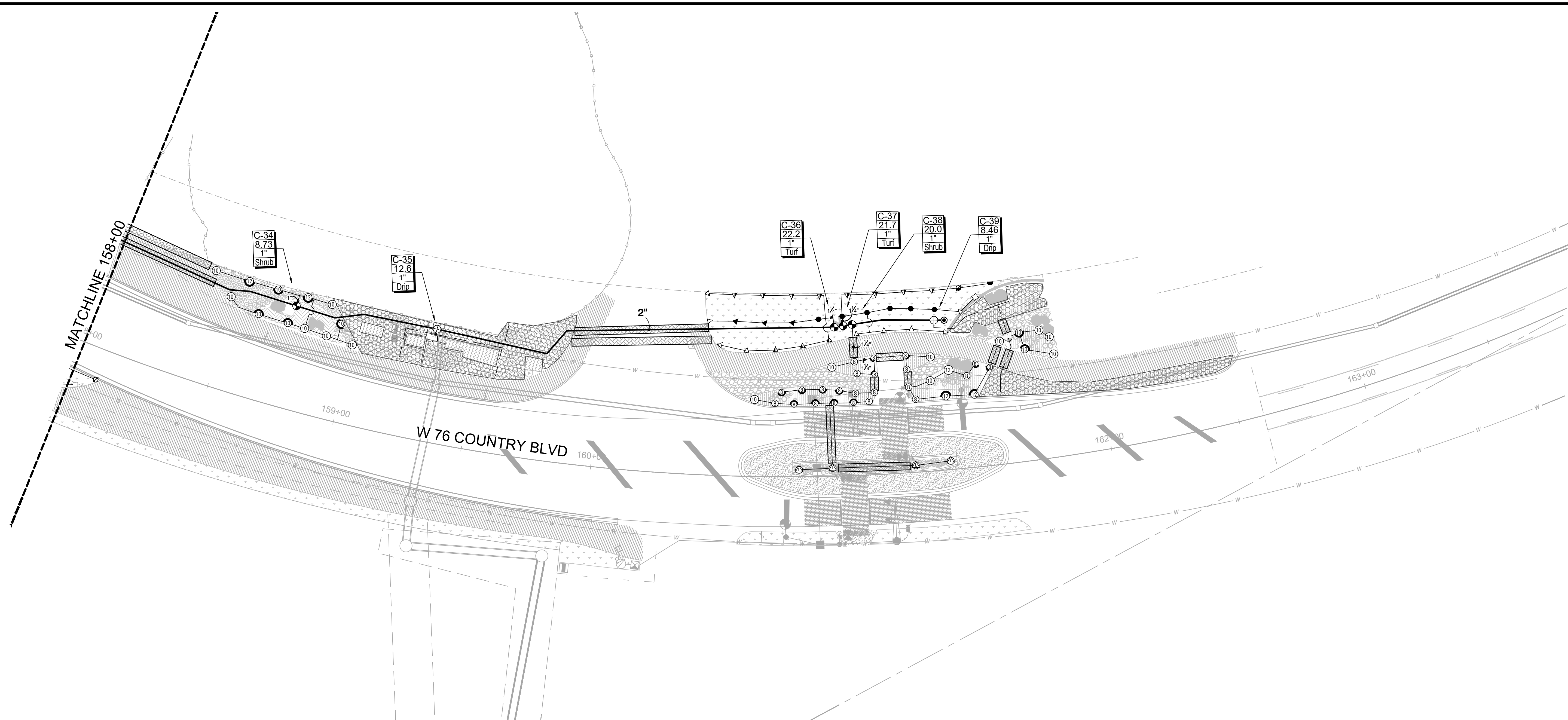
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-  POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ FIXED U-SERIES 12 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **12 FEET**
-  POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ FIXED U-SERIES 15 NOZZLE**
PRESSURE: **30 PSI** RADIUS: **15 FEET**
-  POP-UP SPRAY SPRINKLER: **RAIN BIRD 1812-SAM W/ MPR 15 STRIP NOZZLE**
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W 76 COUNTRY BLVD - 152+50.00 TO 158+00.00						
DATE: 07/23/2026						
JOB NUMBER: 4515						
SHEET IR 10 OF 14						



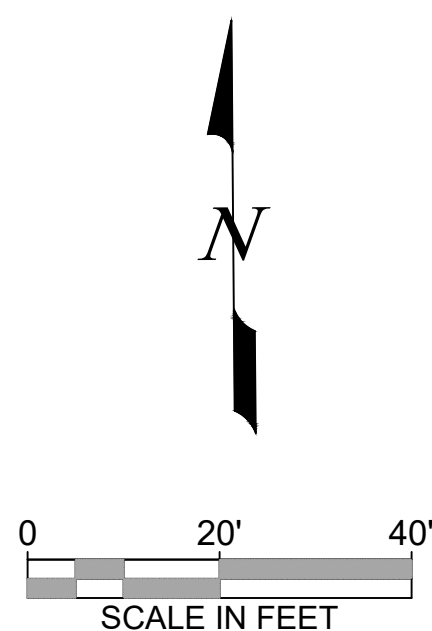
IRRIGATION LEGEND

- | | |
|---|--|
|  SLEEVES: CLASS 200 PVC |  IRRIGATION CONTROLLER UNIT
WITH RAIN BIRD WR2 RAIN FREEZE SENSOR
IQ4 CELL CARTRIDGE
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|  POINT-OF-CONNECTION ASSEMBLY |  GROUNDING AND SURGE ARRESTOR ASSEMBLY: RAIN BIRD LSP-1TURF |
|  MAINLINE PIPE: CLASS 200 PVC
SIZE PER PLAN |   POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM W/U-SERIES 8 NOZZLE
PRESSURE: 30 PSI RADIUS: 8 FEET
FLOW (GPM): Q-0.26 H-0.52 F-1.05 |
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FLOW (GPM): Q-0.41 H-0.82 F-1.64 |
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-  **POP-UP ROTATING SPRAY SPRINKLER: RAIN BIRD 1812-SAM**
W/RVAN14 SERIES NOZZLE
PRESSURE: **45 PSI** RADIUS: **8 FEET TO 14 FEET**
FLOW (GPM): **Q-0.32 H-0.63 F-1.27**
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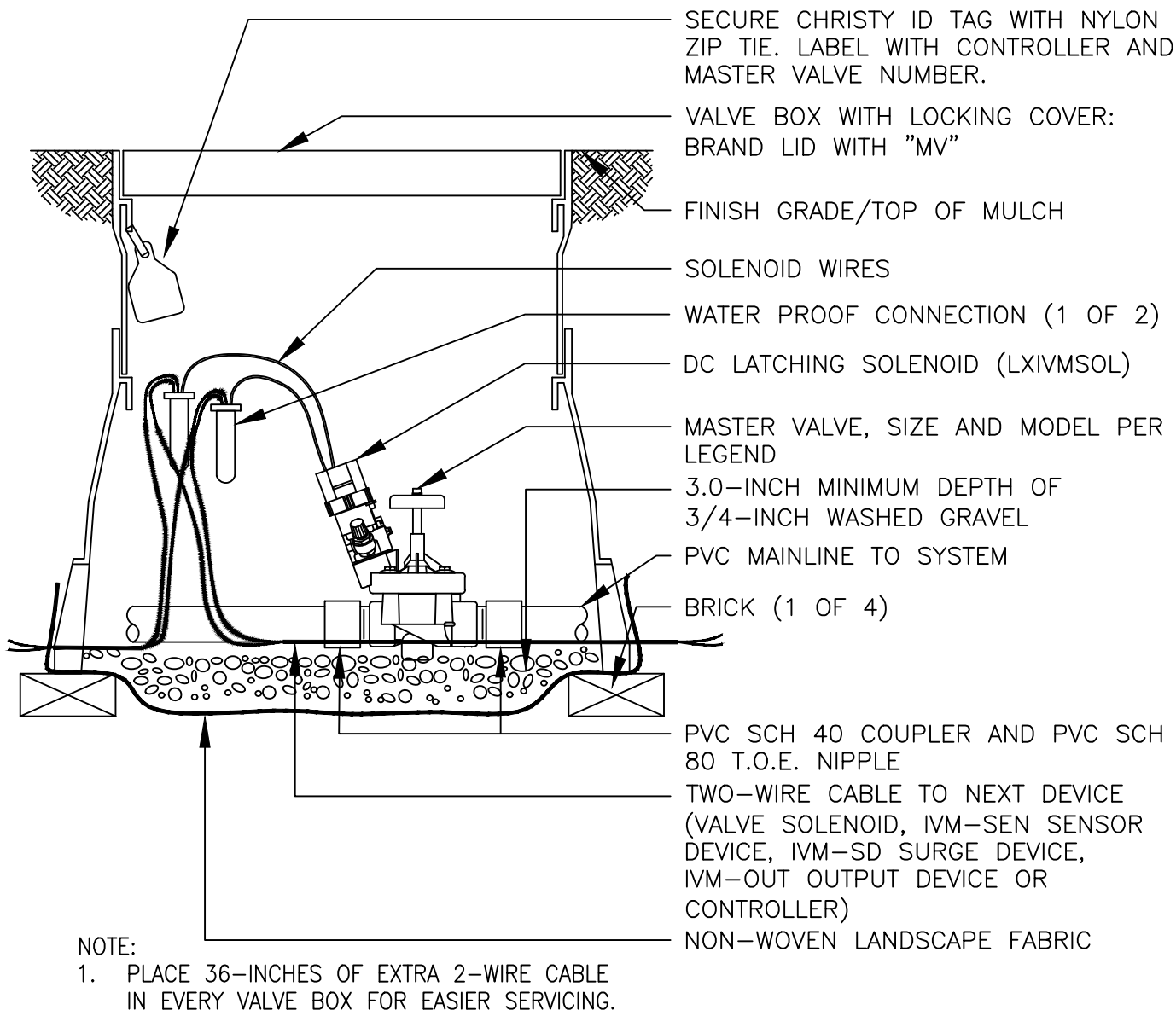
CONSTRUCTION NOTES

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-
- 12 H POP-UP SPRAY SPRINKLER-RAIN BIRD 1812-SAM W/ FIXED U-SERIES 12 NOZZLE
PRESSURE: 30 PSI RADIUS: 12 FEET
- 15 H POP-UP SPRAY SPRINKLER-RAIN BIRD 1812-SAM W/ FIXED U-SERIES 15 NOZZLE
PRESSURE: 30 PSI RADIUS: 15 FEET
- 12 LCS POP-UP STRIP SPRINKLER-RAIN BIRD 1812-SAM W/ MPR 15 STRIP NOZZLE
PRESSURE: 30 PSI RADIUS: 4 FEET X 15 FEET

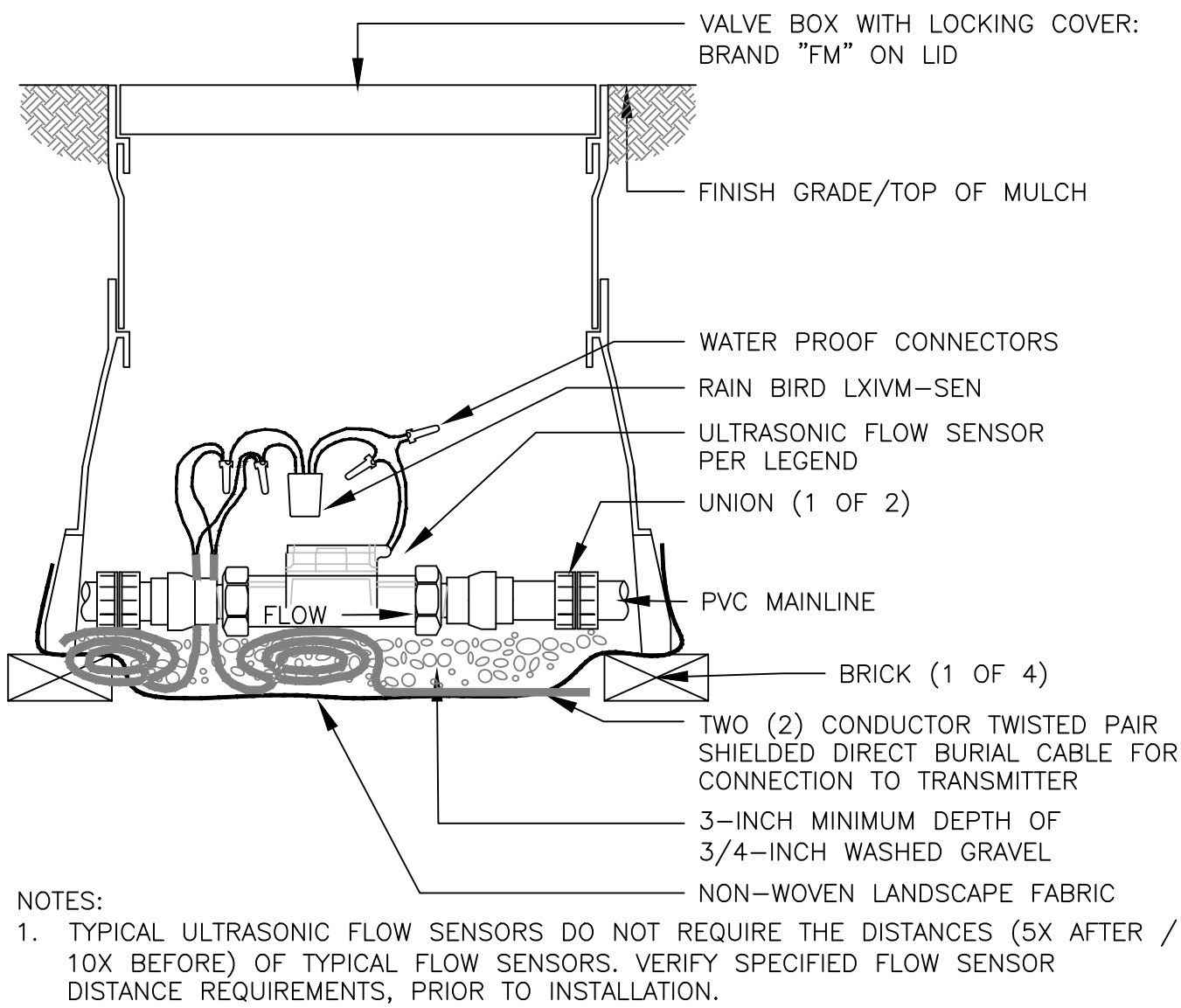


W. 76 COUNTRY BLVD STREETSCAPE SEGMENTS 1 & 2 CITY OF BRANSON, MISSOURI		 Hines Inc SITE WATER ENGINEERING SERVICES 323 W. DRAKE RD, SUITE 204 FORT COLLINS, COLORADO 80526 Telephone: 970.282.1800 Web: www.hinesinc.com						No.		Revision/Issue		Date	
IRRIGATION PLAN													
W 76 COUNTRY BLVD - 158+00.00 TO 163+50.00													
DATE: 07/23/2026													
JOB NUMBER: 4515													
SHEET IR 11 OF 14													

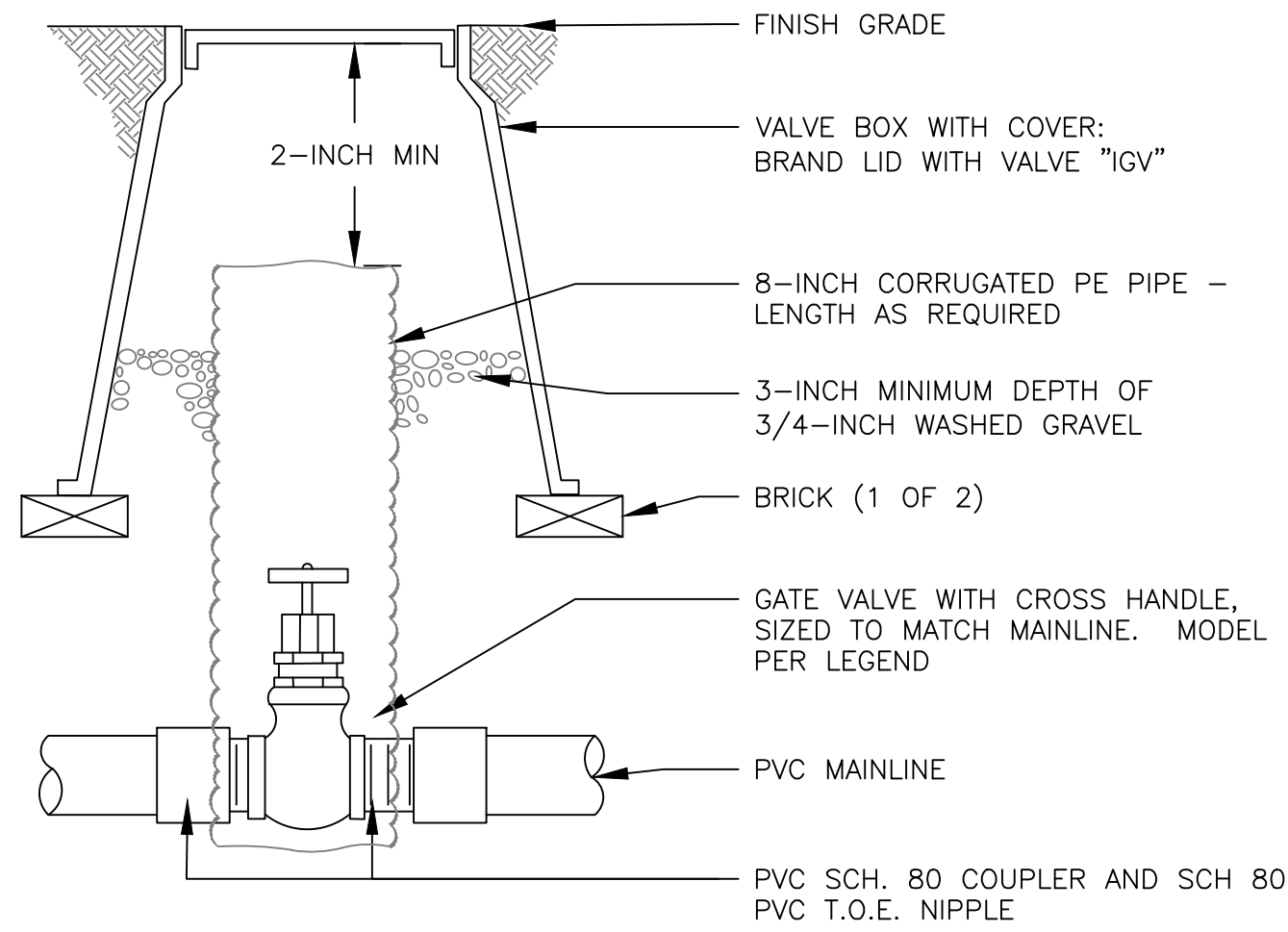
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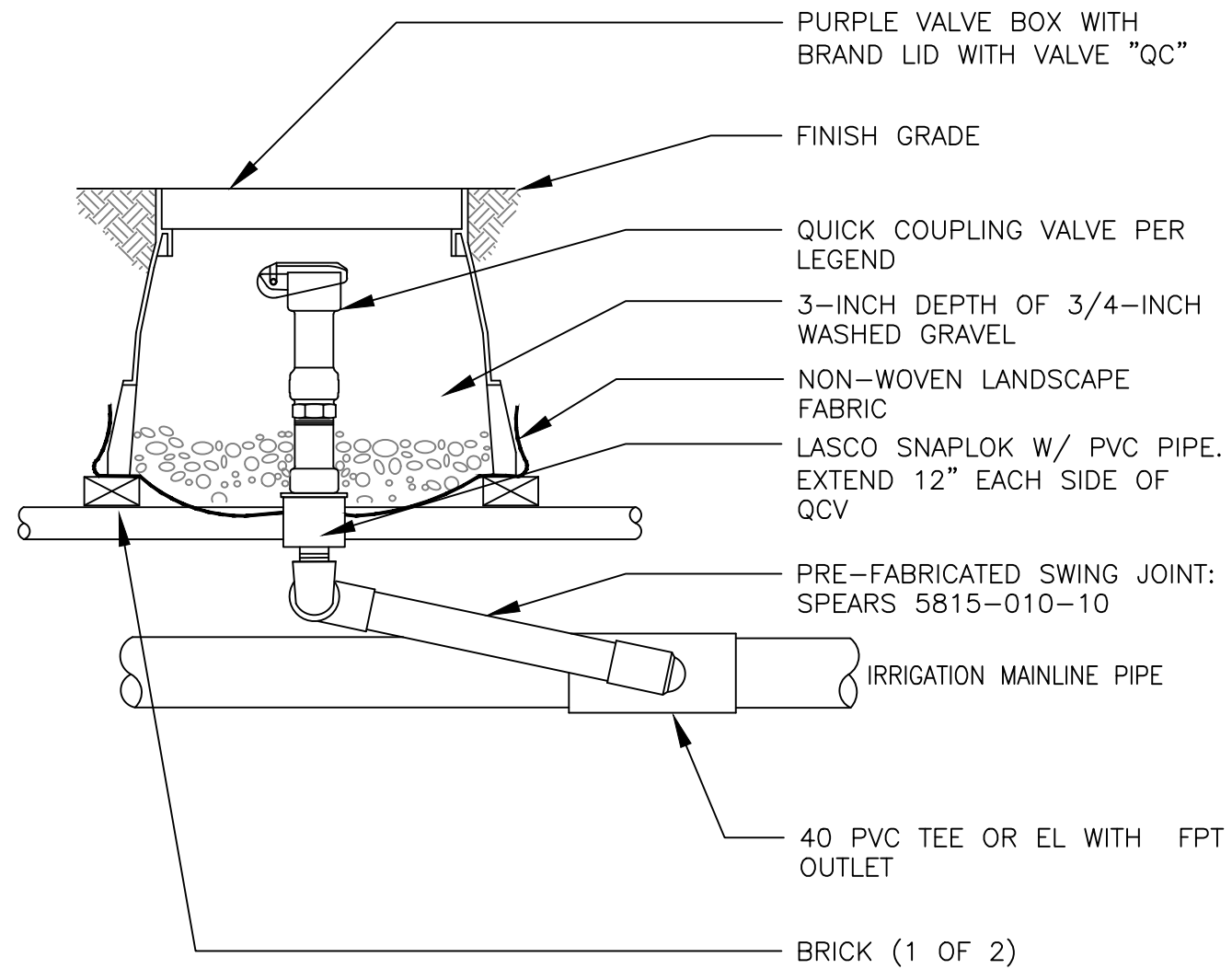
1 LXIVM MASTER VALVE ASSEMBLY



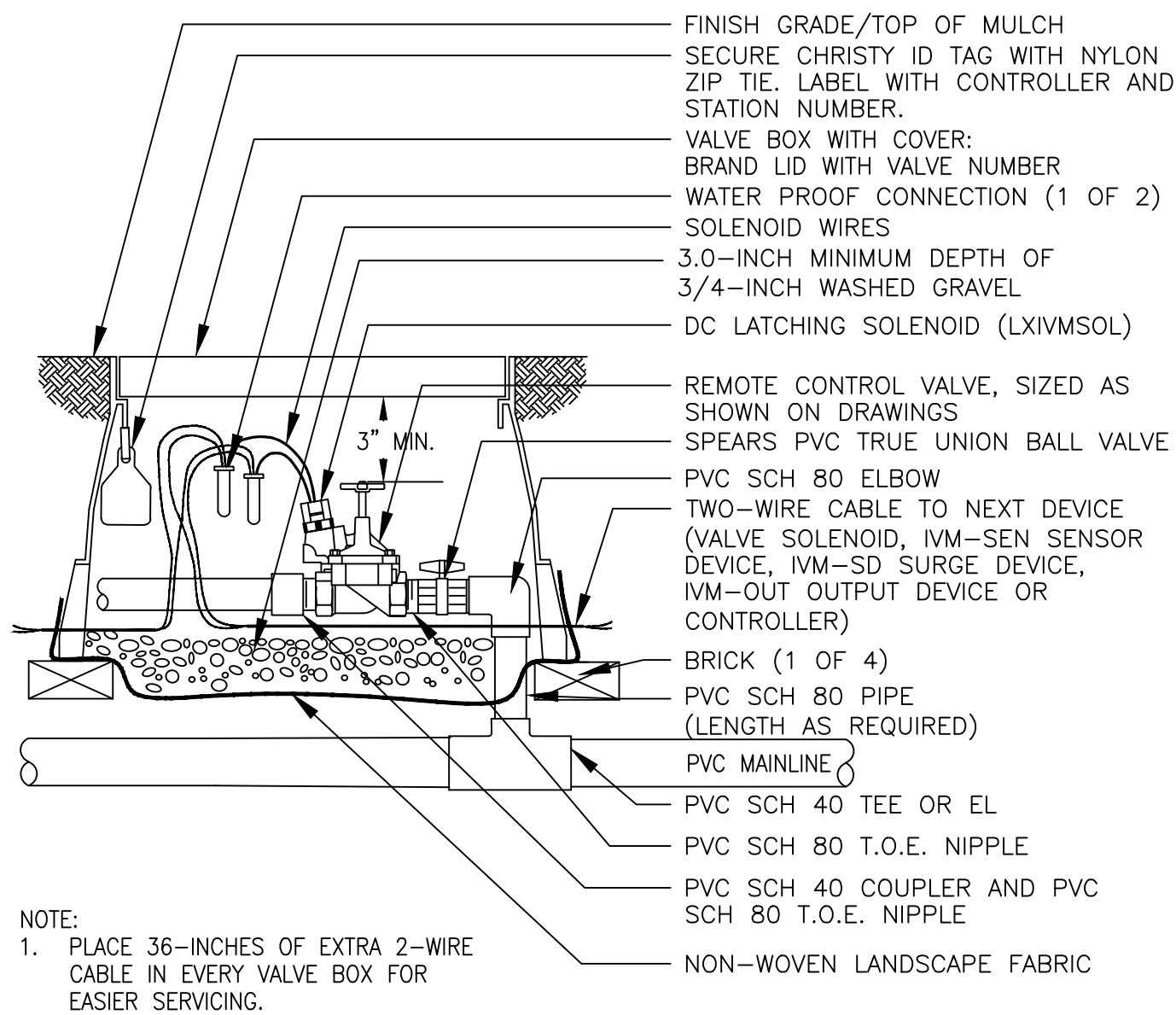
2 ULTRASONIC FLOW SENSOR ASSEMBLY - 2-WIRE LXIVM



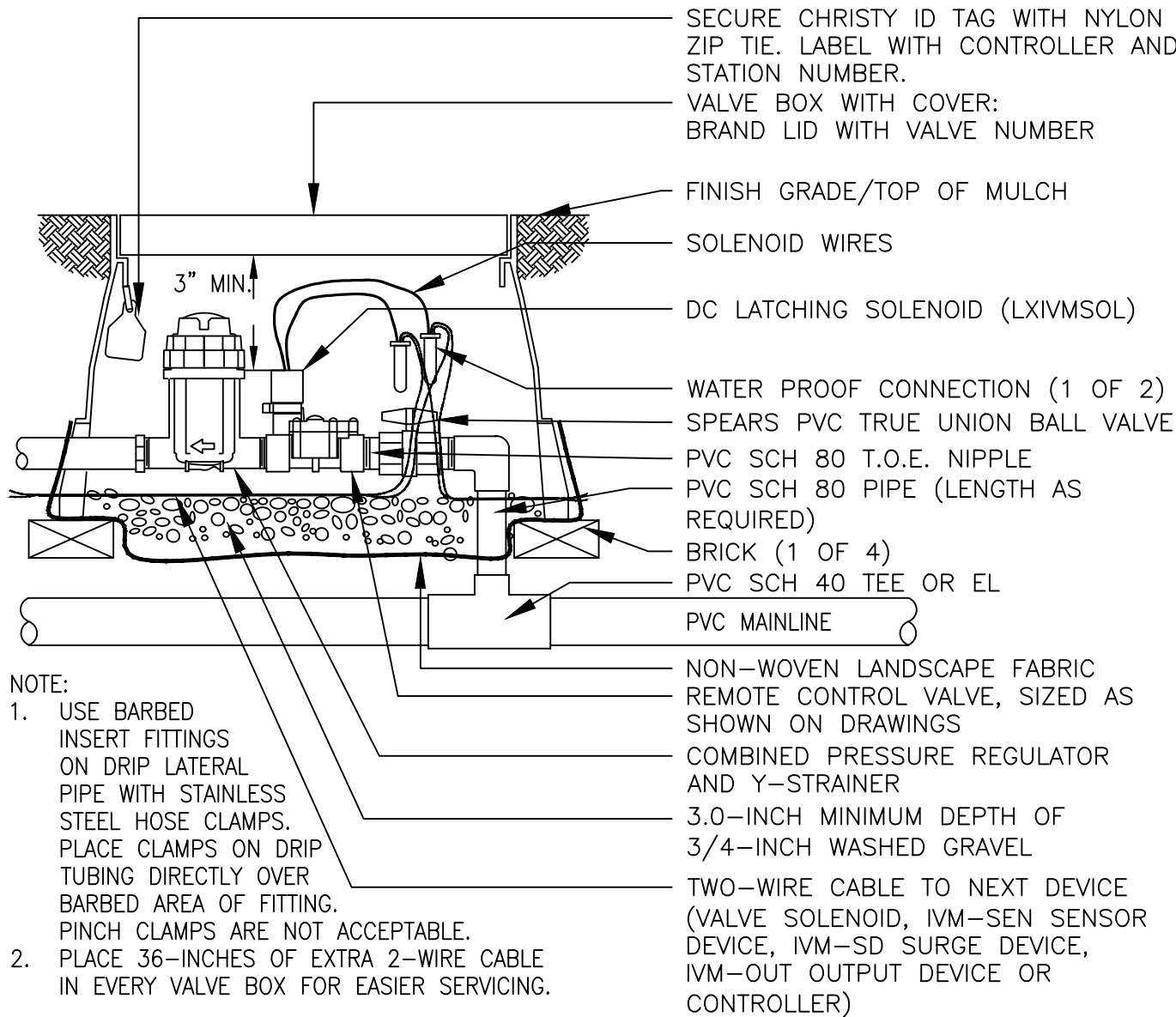
3 ISOLATION GATE VALVE ASSEMBLY 1.5-INCH MAINLINE AND SMALLER



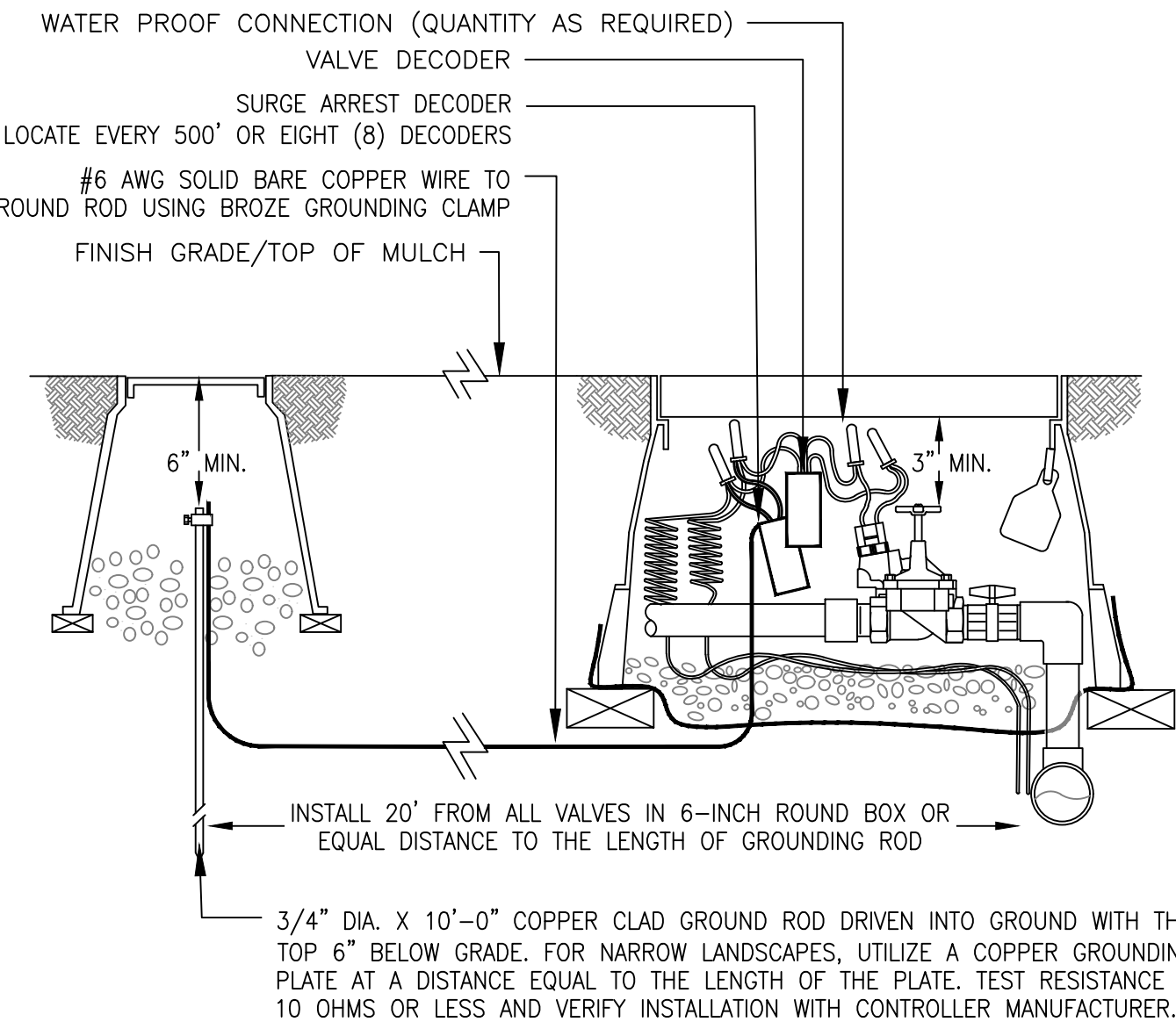
4 QUICK COUPLING VALVE ASSEMBLY



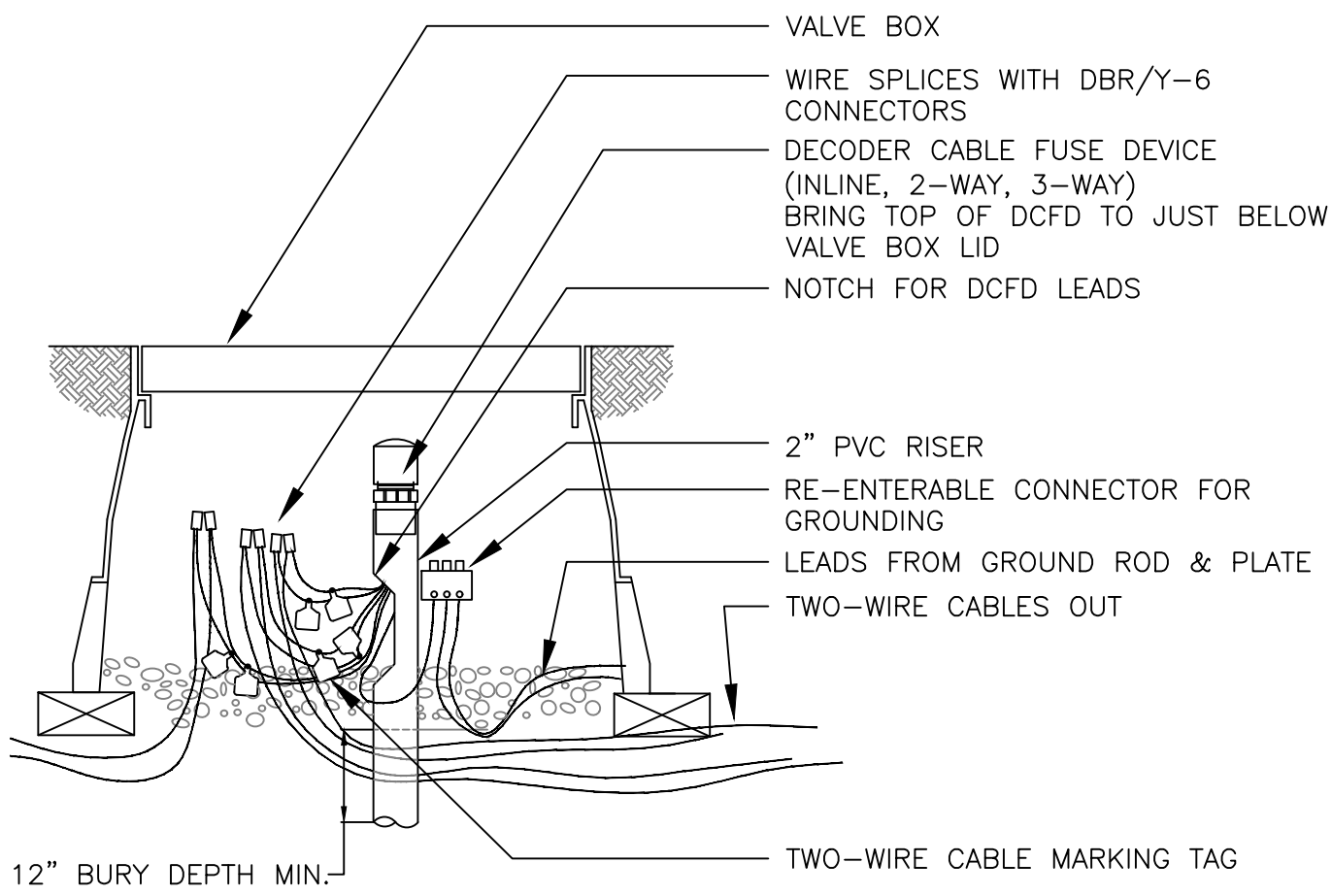
5 REMOTE CONTROL SPRINKLER VALVE ASSEMBLY



6 REMOTE CONTROL DRIP VALVE ASSEMBLY



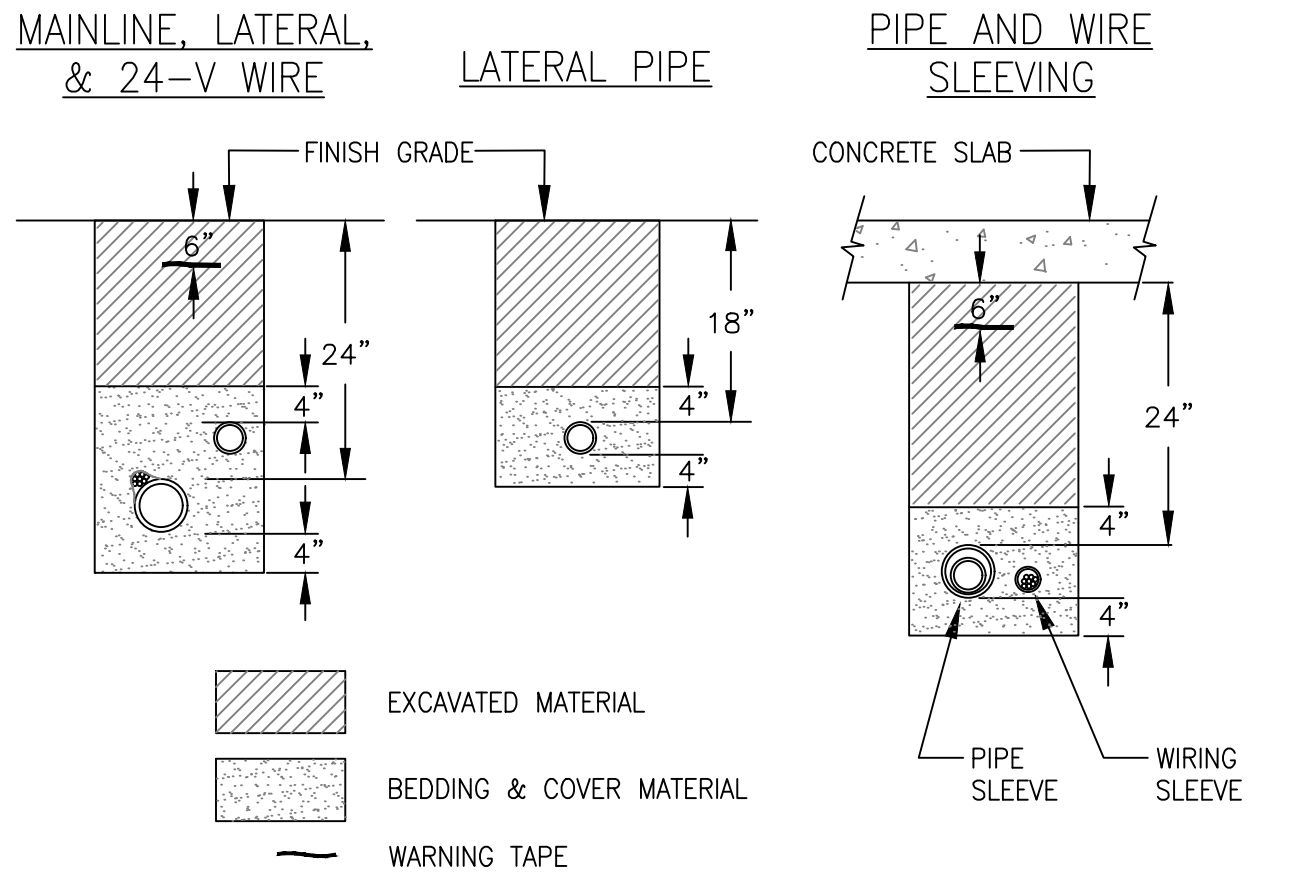
7 TYPICAL GROUNDING (AT VALVE) ASSEMBLY



8 DECODER CABLE FUSE DEVICE DETAIL

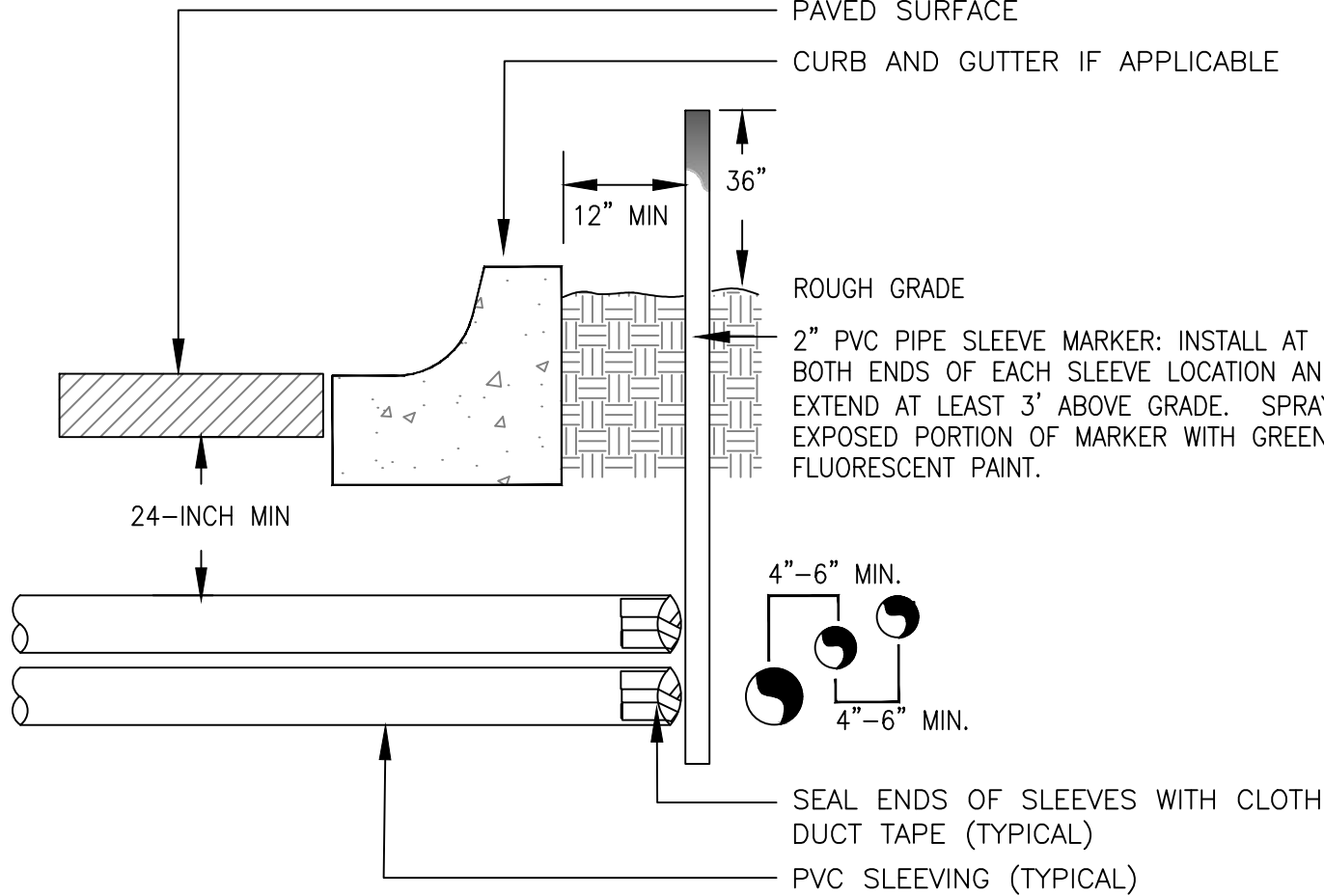


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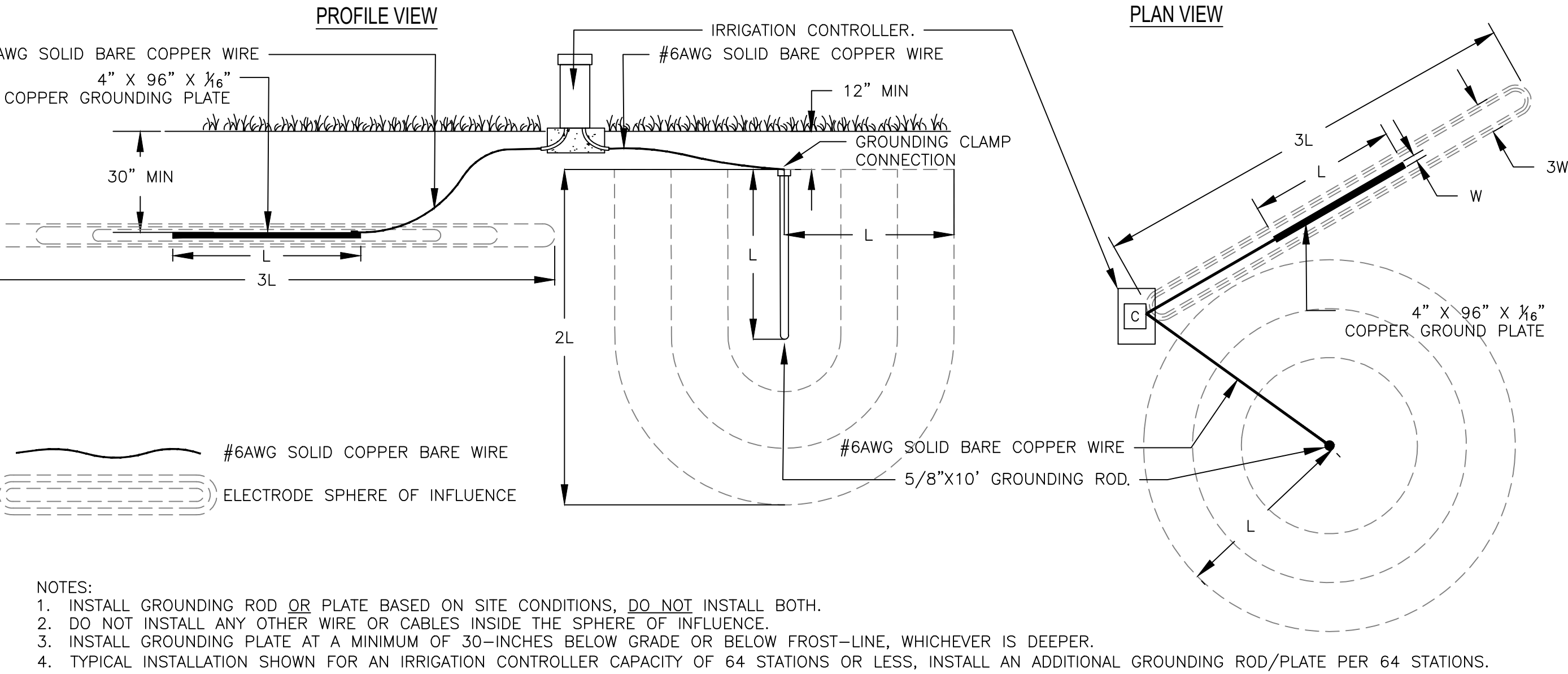
- NOTES:
1. SLEEVE ALL PIPE AND WIRE SEPARATELY.
 2. ALL PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. "SNAKE" UNSLEEVED PLASTIC PIPE IN TRENCH. PROVIDE A MINIMUM OF 2" CLEARANCE TO SIDE OF TRENCH AND BETWEEN PIPES.
 3. ALL 120-V WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. PROVIDE LOOSE 20" LOOP OF 2-WIRE CABLE AT ALL CHANGES OF DIRECTION OVER 30 DEGREES.

16 TYPICAL TRENCHING DETAIL



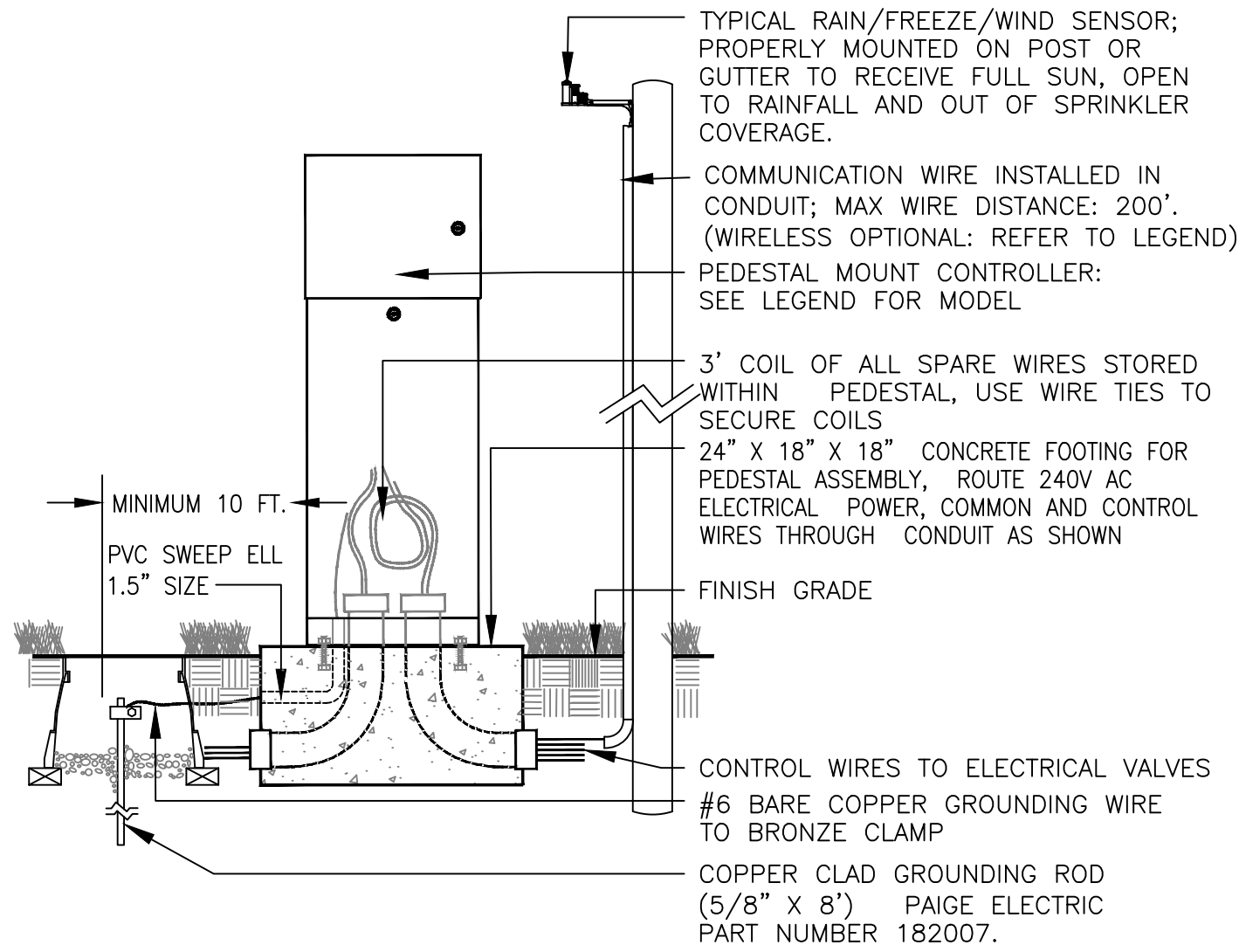
- NOTE:
- 1) ALL SLEEVING TO BE CLASS 200 BE PVC, SIZED AS NOTED.
 - 2) INSTALL SLEEVES IN SIDE-BY-SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.

17 TYPICAL SLEEVING DETAIL



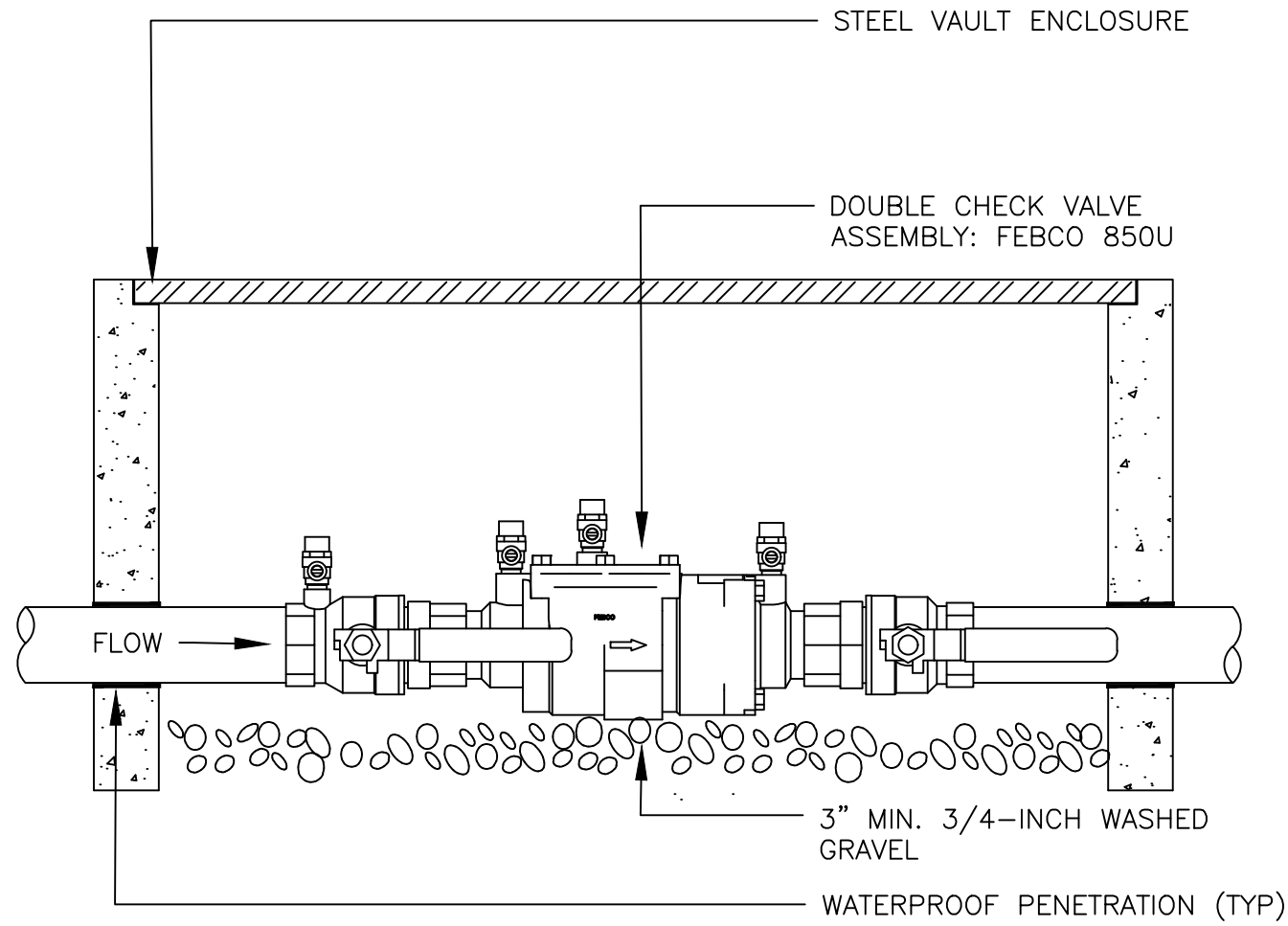
- NOTES:
1. INSTALL GROUNDING ROD OR PLATE BASED ON SITE CONDITIONS, DO NOT INSTALL BOTH.
 2. DO NOT INSTALL ANY OTHER WIRE OR CABLES INSIDE THE SPHERE OF INFLUENCE.
 3. INSTALL GROUNDING PLATE AT A MINIMUM OF 30-INCHES BELOW GRADE OR BELOW FROST-LINE, WHICHEVER IS DEEPER.
 4. TYPICAL INSTALLATION SHOWN FOR AN IRRIGATION CONTROLLER CAPACITY OF 64 STATIONS OR LESS, INSTALL AN ADDITIONAL GROUNDING ROD/PLATE PER 64 STATIONS.

20 TYPICAL IRRIGATION CONTROLLER GROUNDING ROD OR PLATE INSTALLATION



- NOTES:
1. INSTALL RAIN SENSOR ON TREATED 4X4 POST IF CONTROLLER IS IN TURF AREA. POST TO BE MOUNTED IN SHRUB BED TO AVOID BEING IRRIGATED BY OVERHEAD SPRINKLERS.

18 PEDESTAL MOUNTED CONTROLLER ASSEMBLY



- NOTES:
1. INSTALL BACKFLOW DEVICE IN ACCORDANCE WITH ALL STATE AND LOCAL CODE REQUIREMENTS.
 3. ALL HINGED CONNECTION LOCATIONS AND HARDWARE TO BE TAMPER PROOF.
 4. ALL WELD JOINTS SHALL BE CONTINUOUS AND GROUND SMOOTH.

19 DOUBLE CHECK VALVE ASSEMBLY

Revision/Issue		Date
No.		
Hines Inc		
SITE WATER ENGINEERING SERVICES 323 W. DRAKE RD. SUITE 204 FORT COLLINS, COLORADO 80526 Telephone: 970.282.1800 Web: www.hinesinc.com		
W. 76 COUNTRY BLVD STREETSCAPE SEGMENTS 1 & 2 CITY OF BRANSON, MISSOURI		
IRRIGATION DETAILS		
DATE: 07/23/2026		
JOB NUMBER: 4515		
SHEET IR 14 OF 14		

Addendum No. 5 RFB 2860-05A – EN7622

W. 76 Country Blvd Streetscape – Segments 1 & 2

Page 10 of the Instructions to Bidders Needs to be Changed to the Attached Revised Instructions to Bidders

LIST OF ITEMS TO BE SUBMITTED:

Items required to be submitted with Bid:

1. Bid Form
2. Bid Bond
3. Current Statement of Bidder's Qualifications
4. Acknowledgement of any Addendum issued
5. Subcontractor Disclosure Form
6. If Corporation or LLC, Certificate of Good Standing with the MO Secretary of State

Items required to be submitted prior to Council award of contract:

1. Current City of Branson business/contractor's license

Items required to be submitted for Notice to Proceed of contract:

1. Signed contract
2. Insurance certificates naming City of Branson as additional insured
3. Performance, Labor and Materials Payment bonds
4. Immigration Affidavit
5. E-Verify Enrollment Documentation
6. Executed Notice of Award

Items required to be submitted prior to commencement of work:

1. Documentation certifying completion of required ten (10) hour OSHA safety training pursuant to Section 292.675, RSMo

Items required to be submitted monthly with construction payments:

1. Certified Payroll complying with Prevailing Wage Requirements

Items required to be submitted prior to final payment:

1. Certificate of Compliance and Affidavit
 - a. All subcontractors, material and equipment used on the project have been paid;
 - b. All workmen performing work under contract have been paid prevailing hourly wage rates;
 - c. All claims have been paid or settled;
 - d. Contractor warrants material and workmanship for a period of one (1) year;
2. Final change order reflecting actual quantities

Addendum No. 5 RFB 2860-05B – SNS0032

W. 76 Country Blvd Streetscape – Segments 1 & 2

Page 10 of the Instructions to Bidders Needs to be Changed to the Attached Revised Instructions to Bidders

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7. Subcontractor Certificate of Affirmative Action Form
8. DBE Submittal Forms
9. Bidder's List Quote Per 49CFR26.11

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Addendum No. 5 RFB 2860-05C – TAP 9901(886)

W. 76 Country Blvd Streetscape – Segments 1 & 2

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7. Subcontractor Certificate of Affirmative Action Form
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5. E-Verify Enrollment Documentation
6. Executed Notice of Award

Items required to be submitted prior to commencement of work:

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1. Certified Payroll complying with Prevailing Wage Requirements

Addendum No. 5 RFB 2860-50- STP0761(023)

W. 76 Country Blvd Streetscape – Segments 1 & 2

Page 10 of the Instructions to Bidders Needs to be Changed to the Attached Revised Instructions to Bidders

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