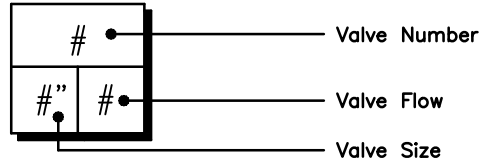


IRRIGATION SCHEDULE

| SYMBOL                                                                              | MANUFACTURER/MODEL/DESCRIPTION                                                                                                                                                                                                                                     | PSI | SYMBOL                                                                              | MANUFACTURER/MODEL/DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | RAIN BIRD 1806-SAM-PRS 8 SERIES MPR<br>TURF SPRAY 6IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, PRESSURE REGULATING.                                                                           | 30  |  | REMOTE CONTROL VALVE<br>RAIN BIRD PESB: 1IN., 1-1/2IN., AND 2IN. DURABLE CHLORINE-RESISTANT VALVES FOR RECLAIMED WATER APPLICATIONS. WITH SCRUBBER MECHANISM TECHNOLOGY                                                                                                                                                                                                                                                                                                                                                                      |
|    | RAIN BIRD 1806-SAM-PRS 10 SERIES MPR<br>TURF SPRAY 6IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, PRESSURE REGULATING.                                                                          | 30  |  | QUICK COUPLER ASSEMBLY<br>RAIN BIRD 44-RC: 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, THERMOPLASTIC RUBBER COVER, AND 1-PIECE BODY. CONTRACTOR SHALL PROVIDE (1) RB 44-K KEY PER 4 QCS                                                                                                                                                                                                                                                                                                                  |
|    | RAIN BIRD 1806-SAM-PRS 12 SERIES MPR<br>TURF SPRAY 6IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, PRESSURE REGULATING.                                                                          | 30  |  | ISOLATION GATE VALVE<br>SMITH COOPER DUCTILE IRON FLANGED AWWA C515 WITH OPERATING NUT-SERIES 10FN                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|    | RAIN BIRD 1806-SAM-PRS 15 SERIES MPR<br>TURF SPRAY 6IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, PRESSURE REGULATING.                                                                          | 30  |  | WALL MOUNT CONTROLLER<br>RAIN BIRD ESPLXIVM-LXMMSS-LXMMSSPED: 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE. INSTALLED IN LXMMSS-LXMMSSPED STAINLESS STEEL CABINET W/ PEDESTAL. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS. |
|    | RAIN BIRD R-VAN-STRIP 1806-S-P45<br>SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 TURF SPRAY BODY ON 6IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET. | 45  |  | RAIN BIRD UFS-200: 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.                                                                                                                                                                                                                                                                                                                                                                                   |
|    | RAIN BIRD R-VAN14 1806-S-P45<br>TURF ROTARY, 8FT.-14FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 6IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.       | 45  |  | IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 PVC CLASS 200 IRRIGATION PIPE. ONLY LATERAL TRANSITION PIPE SIZES 1 1/4" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 1" IN SIZE.                                                                                                                                                                                                                                                                                                                                                |
|    | RAIN BIRD R-VAN18 1806-S-P45<br>TURF ROTARY, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 6IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.      | 45  |  | IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 6-INCH UNLESS OTHERWISE NOTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|    | RAIN BIRD R-VAN24 1806-S-P45<br>TURF ROTARY, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 6IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.      | 45  |  | EXISTING SLEEVE TO BE REPLACED WITH SCHEDULE 40 PVC. INSTALL AS SHOWN ON DESIGN OR TWICE THE SIZE OF THE PIPE OR WIRE RUNNING THRU IT. NO TWO PIPES OR WIRE BUNDLES SHALL SHARE THE SAME SLEEVE.                                                                                                                                                                                                                                                                                                                                             |
|    | K-RAIN 14003-6INCH 05<br>TURF ROTOR WITH TRIPLE NOZZLE CONFIGURATION, 6IN. POP-UP. WITH FACTORY INSTALLED CHECK VALVE. ADJUSTABLE AND FULL CIRCLE. RADIUS FROM 45FT. TO 77FT.. STANDARD NOZZLE. FOR COMMERCIAL AND SPORTS TURF APPLICATIONS                        | 60  |  | PIPE SLEEVE: PVC SCHEDULE 40<br>INSTALL AS SHOWN ON DESIGN OR TWICE THE SIZE OF THE PIPE OR WIRE RUNNING THRU IT. NO TWO PIPES OR WIRE BUNDLES SHALL SHARE THE SAME SLEEVE.                                                                                                                                                                                                                                                                                                                                                                  |
|   | K-RAIN 14003-6INCH 10<br>TURF ROTOR WITH TRIPLE NOZZLE CONFIGURATION, 6IN. POP-UP. WITH FACTORY INSTALLED CHECK VALVE. ADJUSTABLE AND FULL CIRCLE. RADIUS FROM 45FT. TO 77FT.. STANDARD NOZZLE. FOR COMMERCIAL AND SPORTS TURF APPLICATIONS                        | 60  |  | Valve Callout<br># Valve Number<br># Valve Flow<br># Valve Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | K-RAIN 14003-6INCH 15<br>TURF ROTOR WITH TRIPLE NOZZLE CONFIGURATION, 6IN. POP-UP. WITH FACTORY INSTALLED CHECK VALVE. ADJUSTABLE AND FULL CIRCLE. RADIUS FROM 45FT. TO 77FT.. STANDARD NOZZLE. FOR COMMERCIAL AND SPORTS TURF APPLICATIONS                        | 60  |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | RAIN BIRD 5006-PL-PC-SAM-R 1.5<br>TURF ROTOR, 6IN. POP-UP WITH PLASTIC RISER. ADJUSTABLE TO FULL CIRCLE. STANDARD ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE. WITH SEAL-A-MATIC CHECK VALVE.                                               | 45  |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | RAIN BIRD 5006-PL-PC-SAM-R 2.5<br>TURF ROTOR, 6IN. POP-UP WITH PLASTIC RISER. ADJUSTABLE TO FULL CIRCLE. STANDARD ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE. WITH SEAL-A-MATIC CHECK VALVE.                                               | 45  |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | RAIN BIRD 5006-PL-PC-SAM-R 3.0<br>TURF ROTOR, 6IN. POP-UP WITH PLASTIC RISER. ADJUSTABLE TO FULL CIRCLE. STANDARD ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE. WITH SEAL-A-MATIC CHECK VALVE.                                               | 45  |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | RAIN BIRD 5006-PL-PC-SAM-R 4.0<br>TURF ROTOR, 6IN. POP-UP WITH PLASTIC RISER. ADJUSTABLE TO FULL CIRCLE. STANDARD ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE. WITH SEAL-A-MATIC CHECK VALVE.                                               | 45  |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | RAIN BIRD 5006-PL-PC-SAM-R 6.0<br>TURF ROTOR, 6IN. POP-UP WITH PLASTIC RISER. ADJUSTABLE TO FULL CIRCLE. STANDARD ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE. WITH SEAL-A-MATIC CHECK VALVE.                                               | 45  |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

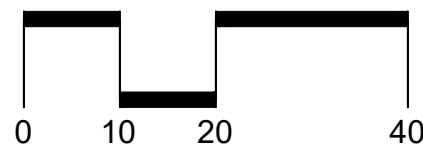
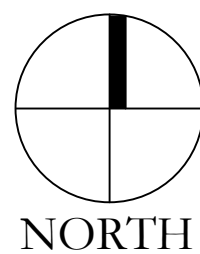
INSTALLATION GENERAL NOTES

- DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE AVAILABLE FOR THE IRRIGATION SYSTEM (PER CITY) OF 75 PSI+, AT A MAXIMUM PEAK FLOW OF 200 GPM AT THE 6-INCH NON-POTABLE POINT-OF-CONNECTION (POC) VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION. CONTACT GENERAL CONTRACTOR OR OWNER'S REPRESENTATIVE IMMEDIATELY IF FLOW OR PRESSURE ARE LOWER THAN LISTED ABOVE.
  - IRRIGATION DESIGN EQUIPMENT LIST WAS PROVIDED BY CITY PARKS DEPARTMENT.
- MAINLINE TO BE INSTALLED AS 6-INCH TO ALLOW FOR MULTIPLE VALVE OPERATION, PER CITY.
- LATERAL LINE SIZES ARE AS SHOWN: DO NOT UTILIZE 1.25" OR 2.5" LATERAL PIPE SIZES OR FITTINGS. DUCTILE IRON FITTINGS DO NOT NEED TO BE UTILIZED ON 3" LATERAL PIPES.
- CONTRACTOR SHALL REMOVE EXISTING PUMP HOUSE, ALL VALVES AND SPRINKLERS PRIOR TO CONSTRUCTION OF NEW SYSTEM. MAINLINE AND LATERALS CAN BE ABANDONED IN PLACE.
- ALL MAINLINES SHALL BE INSTALLED AT LEAST 5' FROM CENTER OF TREES, WHERE POSSIBLE. DESIGN IS SHOWN FOR CLARITY, THUS MAINLINE ROUTING IN FIELD MAY LOOK SLIGHTLY DIFFERENT THAN DEPICTED IN DRAWINGS.
- CONTRACTOR SHALL CREATE A LAMINATED CONTROLLER CHART ADHERED TO THE INSIDE OF THE CONTROLLER COVER OR A LAMINATED COLORED CONTROLLER MAP.
  - UPON FINAL ACCEPTANCE, CONTRACTOR SHALL TURN OVER REQUIRED ADJUSTMENT KEYS INCLUDING BUT NOT LIMITED TO CONTROLLER ENCLOSURE AND BACKFLOW ENCLOSURE KEY, LOCKING VALVE BOX KEYS, QUICK COUPLER KEYS, GATE VALVE KEY, SPRINKLER HEAD AND NOZZLE ADJUSTMENT KEYS.
  - UPON FINAL ACCEPTANCE, CONTRACTOR SHALL TURN OVER SPARE PARTS PERTAINING TO INSTALLED SYSTEM: BACKFLOW WINTERIZATION INSERT, TWO OF EVERY HEAD AND NOZZLE (ROTOR NOZZLE TREE INCLUDED), ONE RCV DIAPHRAGM, ETC.
- COORDINATE UTILITY LOCATES OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION ("811-CALL BEFORE YOU DIG").
- IF DISCREPANCIES ARE NOTED IN THE FIELD BETWEEN SITE CONDITIONS AND PROVIDED DESIGNS, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OR GENERAL CONTRACTOR IMMEDIATELY. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM IF SUCH DISCREPANCIES IN THE FIELD AFFECT THE PROVIDED DESIGN, DETAILS, OR SPECIFICATIONS.
- ALL IRRIGATION COMPONENTS (MAINLINE, WIRES, LATERAL LINES, ETC.) SHALL BE INSTALLED IN LANDSCAPED AREAS WHENEVER POSSIBLE, EVEN THOUGH SAID IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY.
- AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS, AND ARCHITECTURAL FEATURES WHENEVER POSSIBLE. COORDINATE POTENTIAL RELOCATION

- OF BOULDERS AND TREES IN TURF AREAS WITH LANDSCAPE ARCHITECT PRIOR TO SPRINKLER LAYOUT. IF LANDSCAPE MATERIAL CANNOT BE RELOCATED,ADDITIONAL SPRINKLERS MAY BE REQUIRED.
- WHERE POSSIBLE, MAINTAIN 3'-5' DISTANCE FROM CENTER OF TREE TO MAINLINE AND WIRES. VALVE BOXES SHALL BE AT LEAST 3' FROM TREE CENTER. MAINLINE ROUTING AND VALVE LOCATIONS ARE SHOWN FOR CLARITY AND MAY BE SHOWN WITHIN THE 3'-5' RANGE NOTED ABOVE.
  - NON-POTABLE WATER IS BEING UTILIZED ON THIS SITE. INSTALL ALL MAINLINE PIPE WITH CHRISTY ID WARNING TAPE. READING "NON-POTABLE WATER, DO NOT DRINK". INSTALL AT LEAST 6" ABOVE MAINLINE PIPE.
    - SCRUBBER VALVES SHALL BE INSTALLED PER DETAILS.
    - NON-POTABLE WARNING SIGNS SHALL BE POSTED ON SITE HEAR GATHERING PLACES. INSTALL PER COLORADO HEALTH CODES.
    - BACKFLOW PREVENTOR IS NOT NECESSARY.
  - CROSS FITTINGS ARE NOT ALLOWED, ONLY STANDARD TEES AND ELBOWS.
  - CONTRACTOR SHALL INSTALL NOZZLES PER PLAN, UNLESS IRRIGATED AREA CHANGED IN SIZE OR PLANT MATERIAL TYPE CHANGES. IF NOZZLE CHANGES ARE REQUIRED AND ARE SIGNIFICANT IN SIZE, CONTRACTOR SHALL CONTACT IRRIGATION DESIGNER FOR APPROVAL.
  - CONTRACTOR SHALL FIELD LOCATE ANY EXISTING SLEEVES ON SITE PRIOR TO CONSTRUCTION WITH THE AID OF THE GENERAL CONTRACTOR. MISSING SLEEVES SHALL BE REPORTED IMMEDIATELY. NEW SLEEVES SHOWN ON PLANS ARE REQUIRED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED WILL REQUIRE HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR.
  - INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
  - THE FOLLOWING SHOULD BE NOTED REGARDING PIPE SIZING: IF A SECTION OF UNSIZED PIPE IS LOCATED BETWEEN THE IDENTICALLY SIZED SECTIONS, THE UNSIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UNSIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.
    - MAINLINE PIPE SIZES MAY VARY THROUGHOUT PROJECT. EACH MAINLINE LEG IS SIZED TO ACCOMMODATE LARGEST VALVE ON THAT LEG. STATED SIZE IN LEGEND MAY NOT BE THE LARGEST SIZE ON PLANS.
  - TWO-WIRE CONTROL CABLE DOES NOT REQUIRE ADDITIONAL SPARE WIRES TO BE ROUTED WITH MAINLINE.
  - TWO-WIRE CONTROL SURGE ARRESTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. ARRESTORS ARE NOT DEPICTED ON PLANS
  - TREES IN TURF ARE NOT IRRIGATED BY DRIP SYSTEM. DRIP LATERAL ROUTED NEAR TREES IN TURF ARE NOT TO RECEIVE DRIP IRRIGATION. TREE LOCATIONS SHOWN ARE ESTIMATED PER AERIAL IMAGERY.
  - NO IRRIGATION EQUIPMENT, INCLUDING BUT NOT LIMITED TO, MAINLINE, VALVES, AND SPRINKLERS, SHALL BE INSTALLED WITHIN 9' OF NEW BUILDING FOUNDATION.
  - LANDSCAPE AUTOCAD FILES WERE NOT AVAILABLE FOR THIS DESIGN. SURVEY AND AERIAL IMAGERY FILES WERE UTILIZED TO CREATE DRAWINGS, THEREFORE ON-SITE FIELD MODIFICATIONS MAY BE REQUIRED AND EXPECTED.

REFERENCE NOTES SCHEDULE

| CODE | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | THE IRRIGATION SYSTEM POINT-OF-CONNECTION (POC) SHALL BE DOWNSTREAM OF THE EXISTING IRRIGATION PUMP STATION. MAKE NEW MAINLINE CONNECTION AT 4" DISCHARGE PIPE AT THE APPROXIMATE LOCATION SHOWN (REFER TO CIVIL PLANS FOR EXACT LOCATION). INSTALL ISOLATION GATE VALVE, MASTER VALVE ASSEMBLY, AND FLOW SENSOR AS INDICATED. VERIFY EXACT LOCATION OF POC WITH OWNER' S REPRESENTATIVE. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION.                                                           |
| 1A   | CONTRACTOR TO INSTALL NEW WATER DIVERSION STRUCTURE AND WET WELL TO SUPPLY 240 GPM TO THE NEW PUMP HOUSE. NEW MUNROE PUMP STATION (NOT IN CONTRACT) TO BE SET OVER NEW WET WELL. PUMP SKID WILL BE 108" X 96" AND INDICATES A SKID DIAMTER OF 80'. COORDINATE WITH CITY PARKS IRRIGATION MAINTENANCE CREW.                                                                                                                                                                                                  |
| 2    | WALL MOUNT THE IRRIGATION CONTROLLER AT THE APPROXIMATE LOCATION SHOWN INSIDE PUMP HOUSE. COORDINATE ELECTRICAL POWER TO THE CONTROLLER WITH THE OWNER' S REPRESENTATIVE. CARE SHOULD BE TAKEN TO INSTALL THE IRRIGATION CONTROLLER IN A LOCATION THAT IS ACCESSIBLE FOR MAINTENANCE, COORDIANTE WIRE SLEEVE THROUGH BUILDING INTO LANDSCAPED AREA TO MAINLINE WITH PARK IRRIGATION STAFF. FINAL LOCATION TO BE APPROVED BY OWNER' S REPRESENTATIVE. CONTROLLER TO BE INSTALLED PER NATIONAL ELECTRIC CODE. |



| No. | Revisions:     | Date:      |  |
|-----|----------------|------------|--|
|     |                | 12/20/24   |  |
| 1   | City Revisions | 01/09/2026 |  |
| 2   | City Revisions | 03/04/2026 |  |
| 3   | City Revisions |            |  |
|     |                |            |  |
|     |                |            |  |



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CITY OF MONTROSE

ROTARY PARK

534 S. 12TH STREET, MONTROSE, COLORADO 81401

SHEET TITLE

IRRIGATION  
LEGEND  
AND NOTES

|              |            |
|--------------|------------|
| Designed By: | MLP        |
| Drawn By:    | MLP        |
| Checked By:  | TEAM       |
| Date:        | 12-06-2024 |

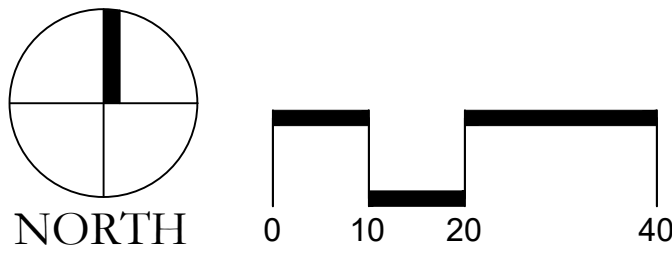
SHEET NUMBER

IR1.0



MATCHLINE - SEE SHEET IR1.5

MATCHLINE - SEE SHEET IR1.2



| Revisions: |                | Date:      |
|------------|----------------|------------|
| No.        | Revisions:     | 12/20/24   |
| 1          | City Revisions | 01/08/2026 |
| 2          | City Revisions | 03/04/2026 |
| 3          | City Revisions |            |
|            |                |            |
|            |                |            |



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534 S. 12TH STREET, MONTROSE, COLORADO 81401

SHEET TITLE

IRRIGATION DESIGN

|              |            |
|--------------|------------|
| Designed By: | MLP        |
| Drawn By:    | MLP        |
| Checked By:  | TEAM       |
| Date:        | 12-06-2024 |

SHEET NUMBER

IR1.1



| No. | Revisions:     | Date:      |
|-----|----------------|------------|
| 1   | City Revisions | 12/20/24   |
| 2   | City Revisions | 01/08/2026 |
| 3   | City Revisions | 03/04/2026 |
|     |                |            |
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ROTARY PARK  
534 S. 12TH STREET, MONTROSE, COLORADO 81401

SHEET TITLE  
IRRIGATION  
DESIGN

|              |            |
|--------------|------------|
| Designed By: | MLP        |
| Drawn By:    | MLP        |
| Checked By:  | TEAM       |
| Date:        | 12-06-2024 |

SHEET NUMBER  
**IR1.2**



MATCHLINE - SEE SHEET IR1.2

MATCHLINE 'B'- SEE SHEET IR1.4

CONTRACTOR NOT TO TRENCH WITHIN 25' OF TREE DRIP LINE. CONTRACTOR SHALL HAND DIG AROUND TREES WHERE NECESSARY TO AVOID TREE DRIP LINE (TYP).

EXISTING TREES ARE APPROXIMATELY LOCATED PER AERIAL IMAGES (TYP). NOT TO BE INSTALLED.

CONTRACTOR SHALL REMOVE EXISTING PUMP HOUSE, ALL VALVES AND SPRINKLERS PRIOR TO CONSTRUCTION OF NEW SYSTEM. MAINLINE AND LATERALS CAN BE ABANDONED IN PLACE.

MATCHLINE 'A'- SEE SHEET IR1.4

| No. | Revisions:     | Date:      |
|-----|----------------|------------|
| 1   | City Revisions | 12/20/24   |
| 2   | City Revisions | 01/08/2026 |
| 3   | City Revisions | 03/04/2026 |

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CITY OF MONTROSE

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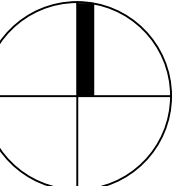
SHEET TITLE

IRRIGATION DESIGN

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| Designed By: | MLP        |
| Drawn By:    | MLP        |
| Checked By:  | TEAM       |
| Date:        | 12-06-2024 |

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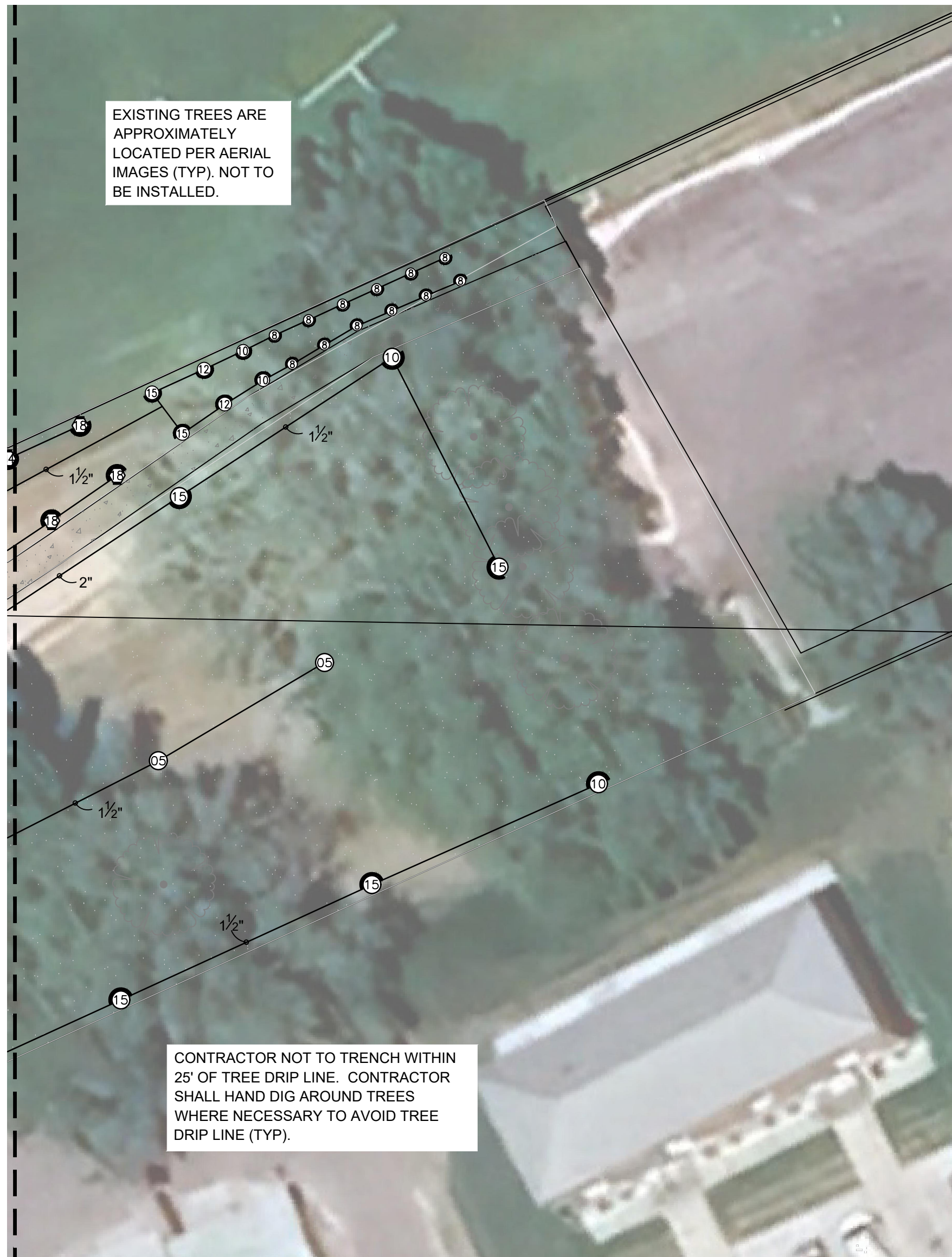
IR1.3



NORTH



MATCHLINE 'A'- SEE SHEET IR1.3



| No. | Revisions:     | Date:      |
|-----|----------------|------------|
| 1   | City Revisions | 12/20/24   |
| 2   | City Revisions | 01/08/2026 |
| 3   | City Revisions | 03/04/2026 |
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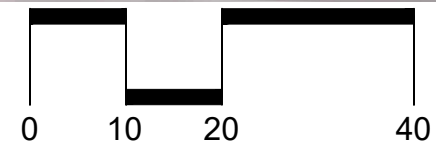
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CITY OF MONTROSE  
ROTARY PARK  
534 S. 12TH STREET, MONTROSE, COLORADO 81401

SHEET TITLE  
IRRIGATION  
DESIGN

|              |            |
|--------------|------------|
| Designed By: | MLP        |
| Drawn By:    | MLP        |
| Checked By:  | TEAM       |
| Date:        | 12-06-2024 |

SHEET NUMBER  
**IR1.4**



| Revisions: |                | Date:      |
|------------|----------------|------------|
| No.        | Revisions:     |            |
| 1          | City Revisions | 12/20/24   |
| 2          | City Revisions | 01/08/2026 |
| 3          | City Revisions | 03/04/2026 |
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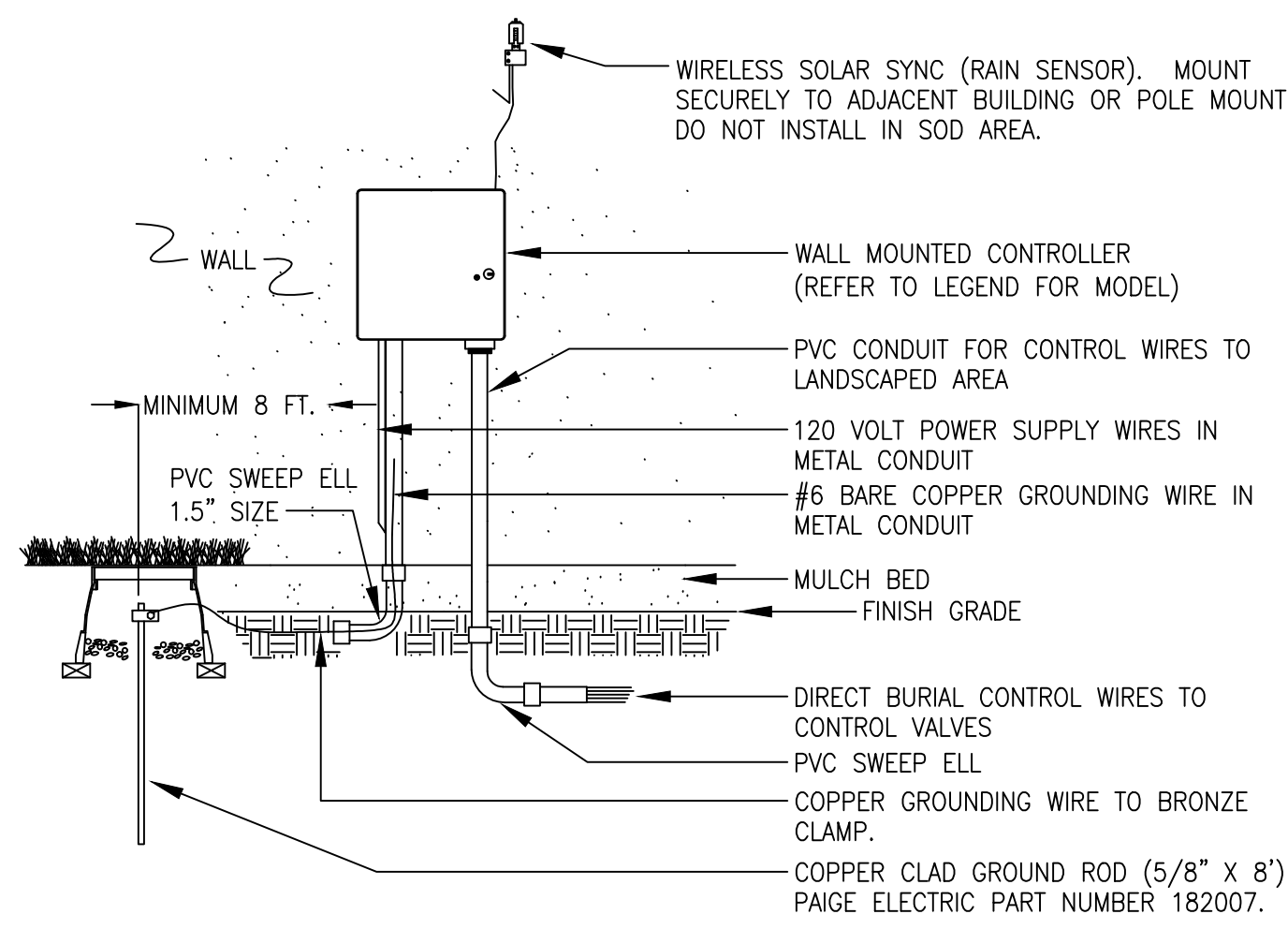
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CITY OF MONTROSE  
ROTARY PARK  
534 S. 12TH STREET, MONTROSE, COLORADO 81401

SHEET TITLE  
**IRRIGATION  
DESIGN**

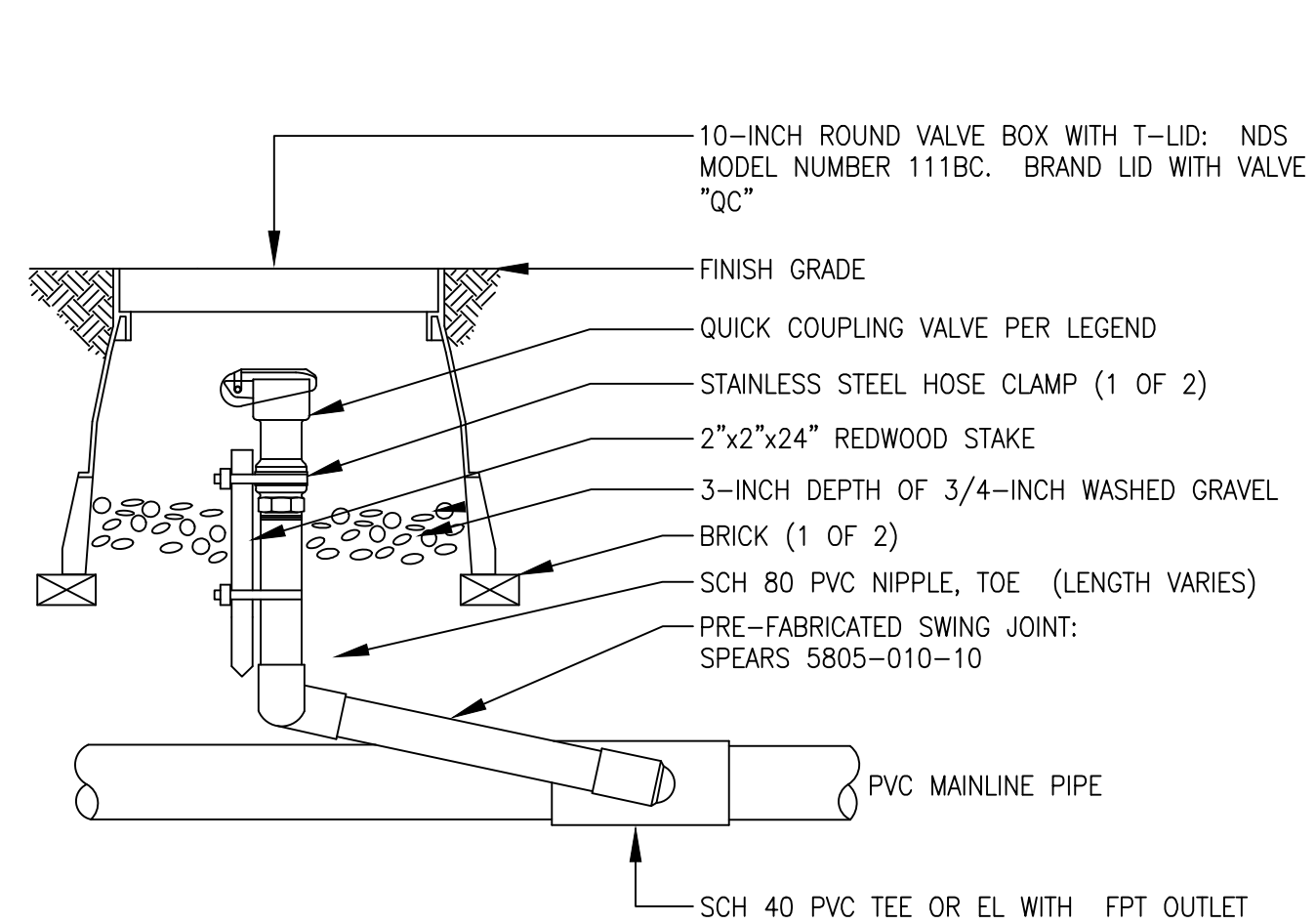
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| Designed By: | MLP        |
| Drawn By:    | MLP        |
| Checked By:  | TEAM       |
| Date:        | 12-06-2024 |

SHEET NUMBER  
**IR1.5**

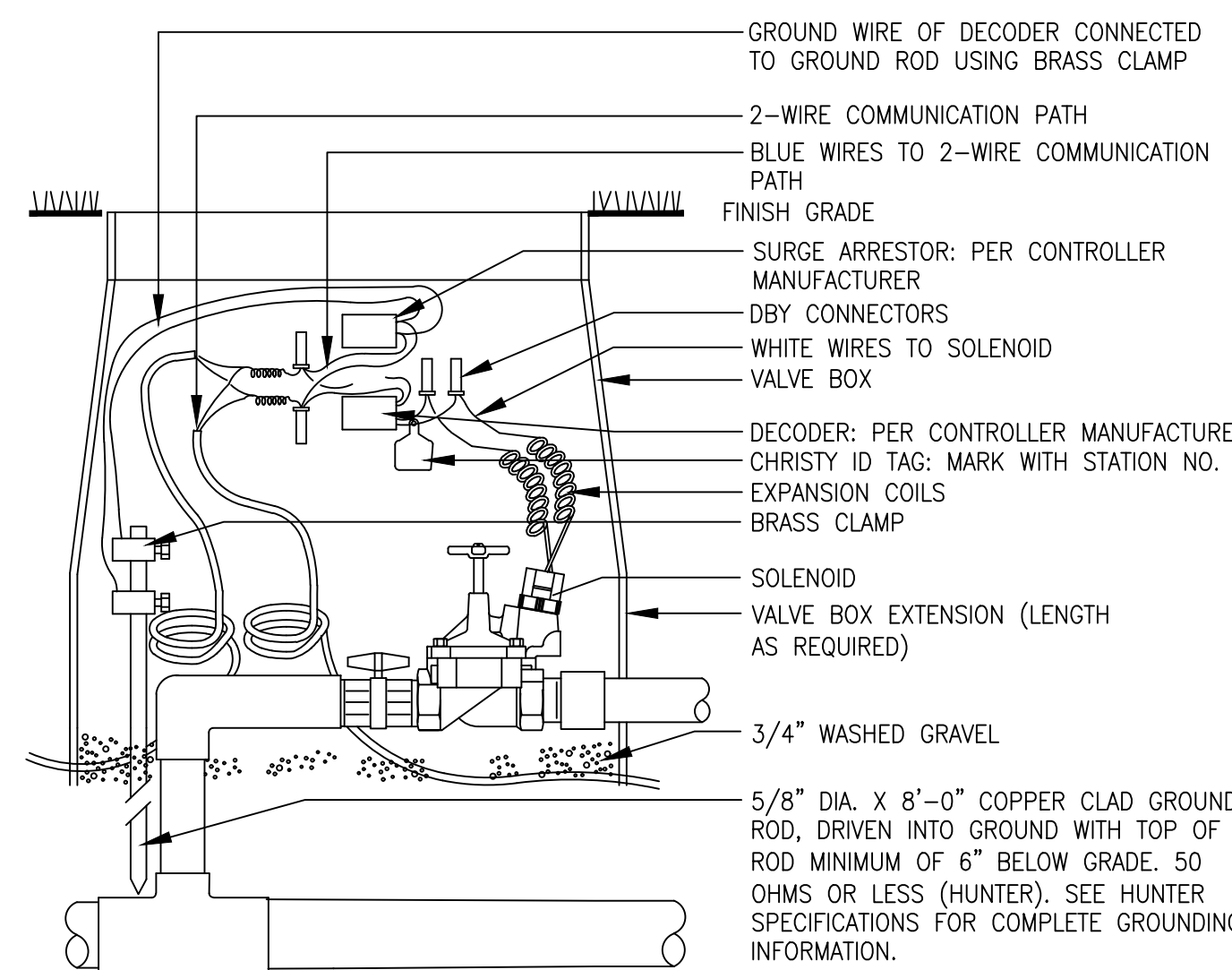


NOTES:  
1. INSTALL ALL WIRING PER LOCAL ELECTRICAL CODES.  
2. INSTALL GROUND ROD WITHIN IRRIGATED TURF AREA. IF IRRIGATED TURF AREA IS NOT IN CLOSE PROXIMITY TO CONTROLLER, INSTALL ONE (1) DRIP EMITTER FROM NEAREST DRIP VALVE IN VALVE BOX HOUSING GROUNDING ROD.

## 1 WALL MOUNT CONTROLLER ASSEMBLY

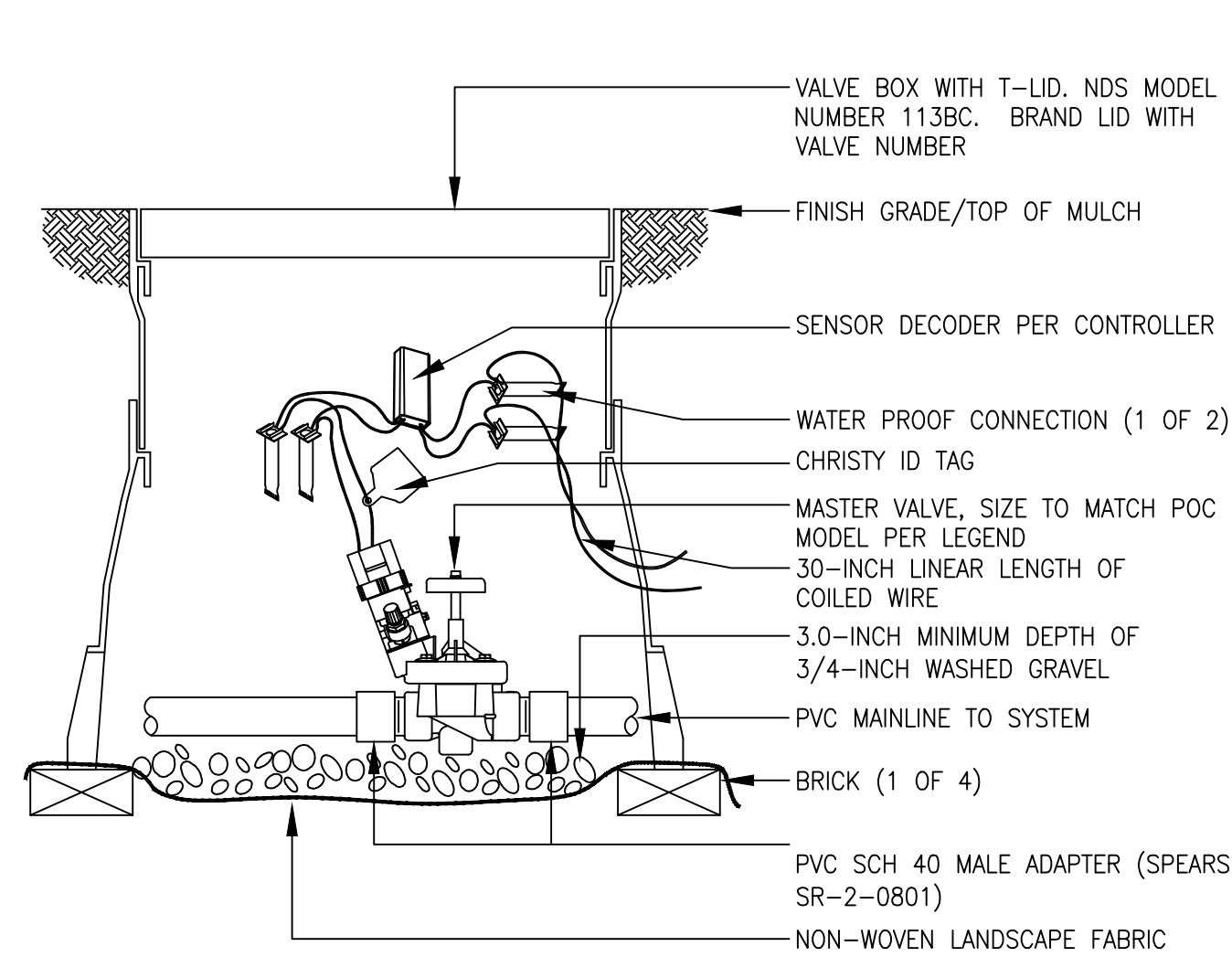


## 5 QUICK COUPLING VALVE ASSEMBLY



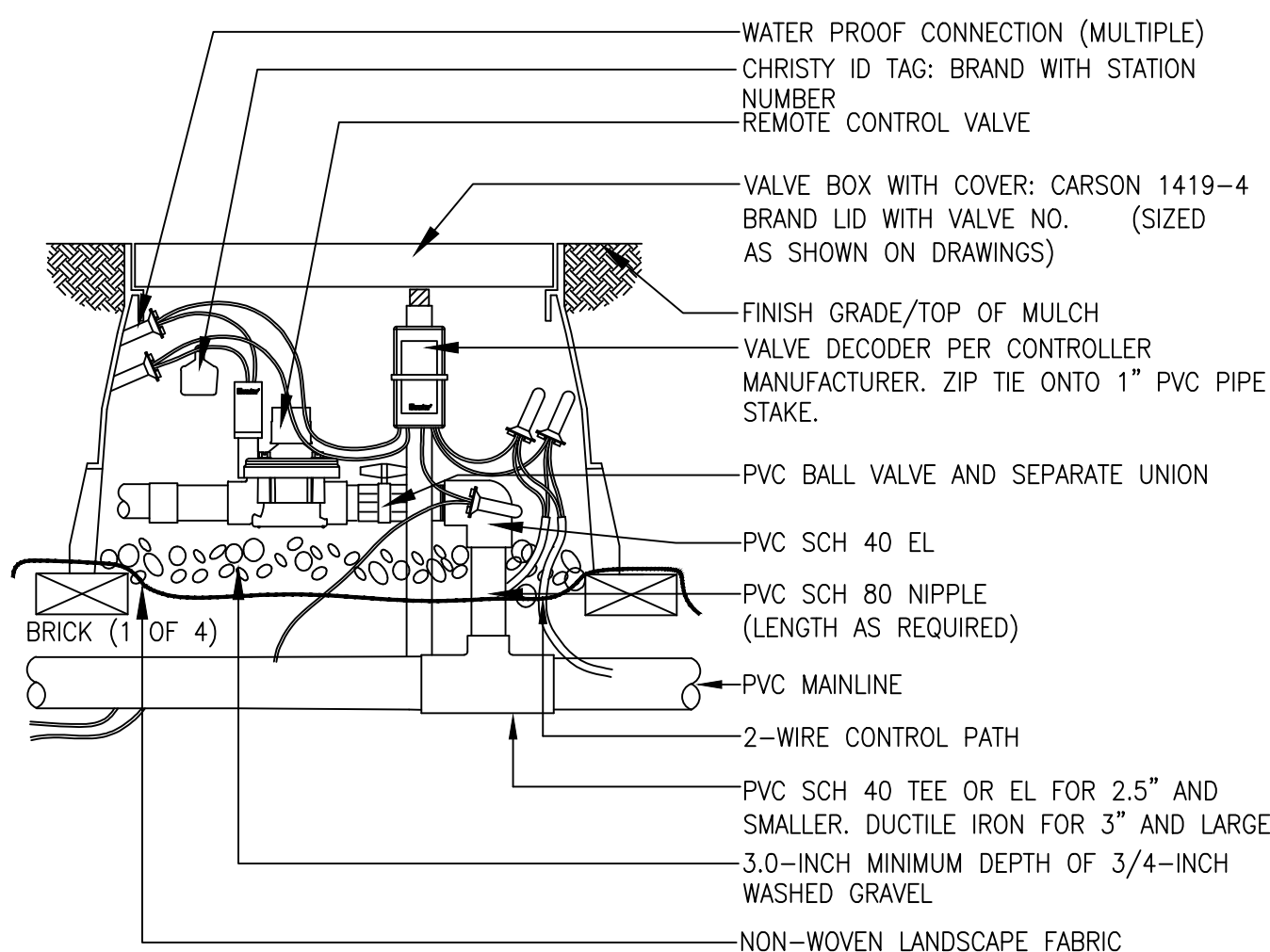
NOTES: WIRES MUST EXTEND 12" ABOVE VALVE BOX FOR SERVICE.

## 9 TYPICAL GROUNDING (AT VALVE) ASSEMBLY

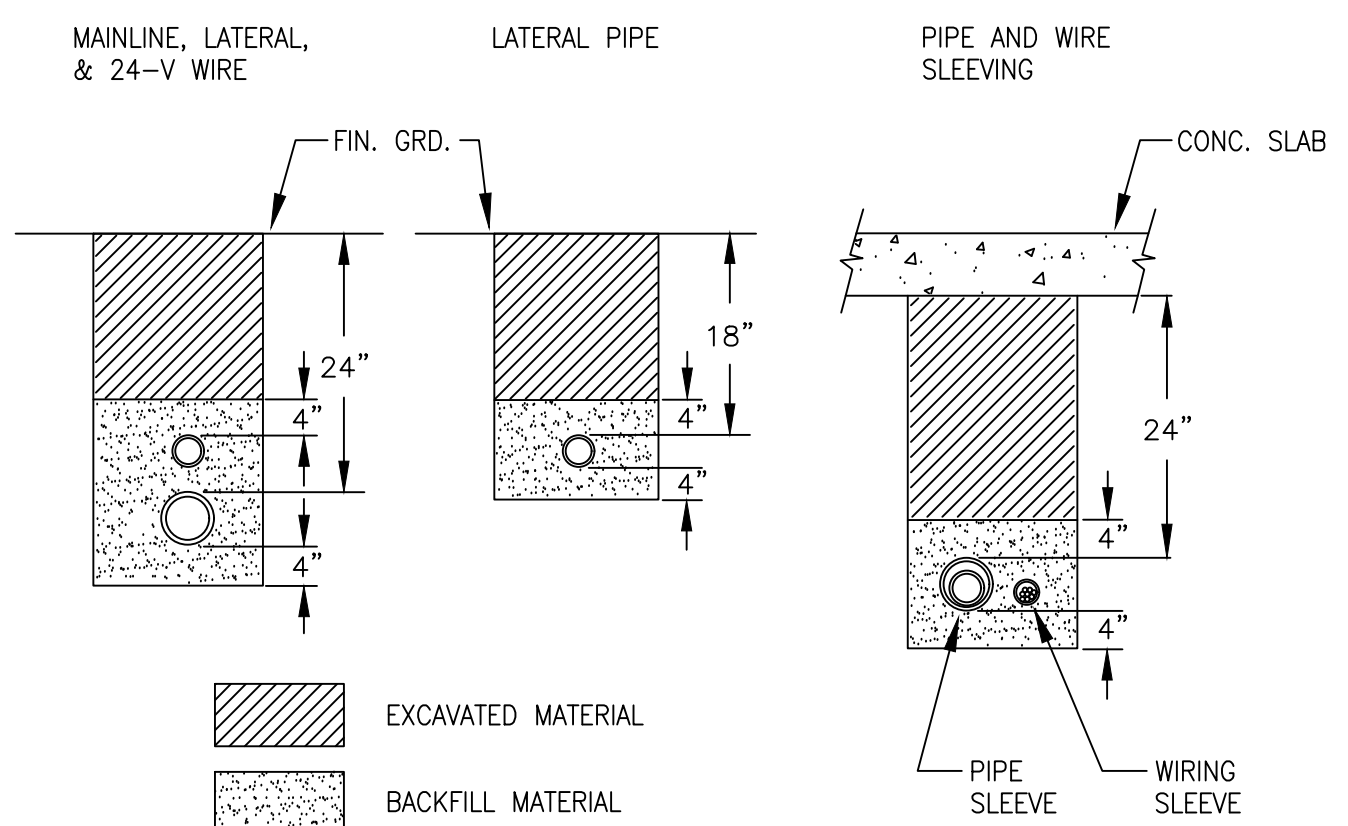


NOTES:  
1. DO NOT TWIST WIRES PRIOR TO INSERTING INTO WIRE NUT

## 2 MASTER VALVE ASSEMBLY

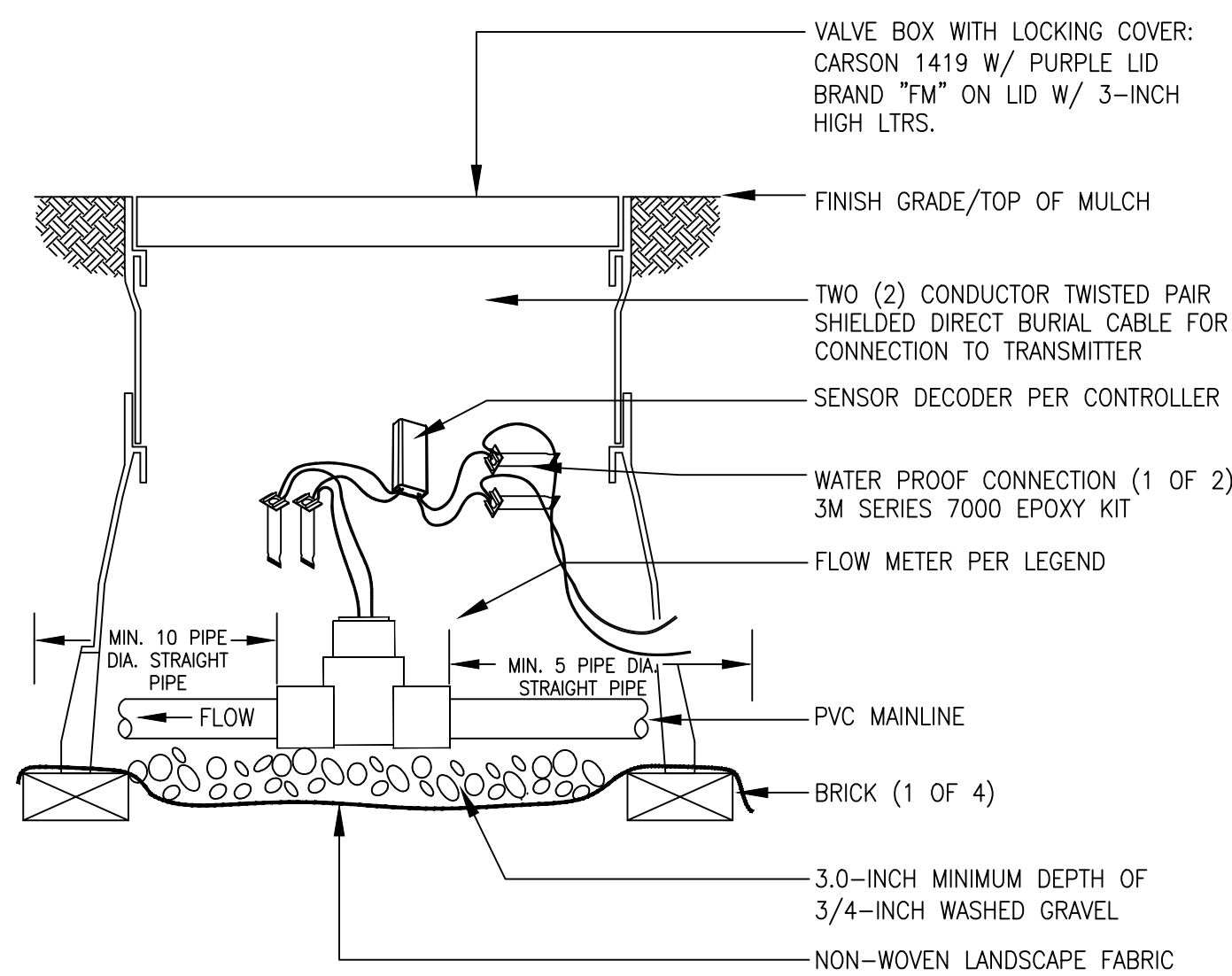


## 6 REMOTE CONTROL TURF VALVE ASSEMBLY

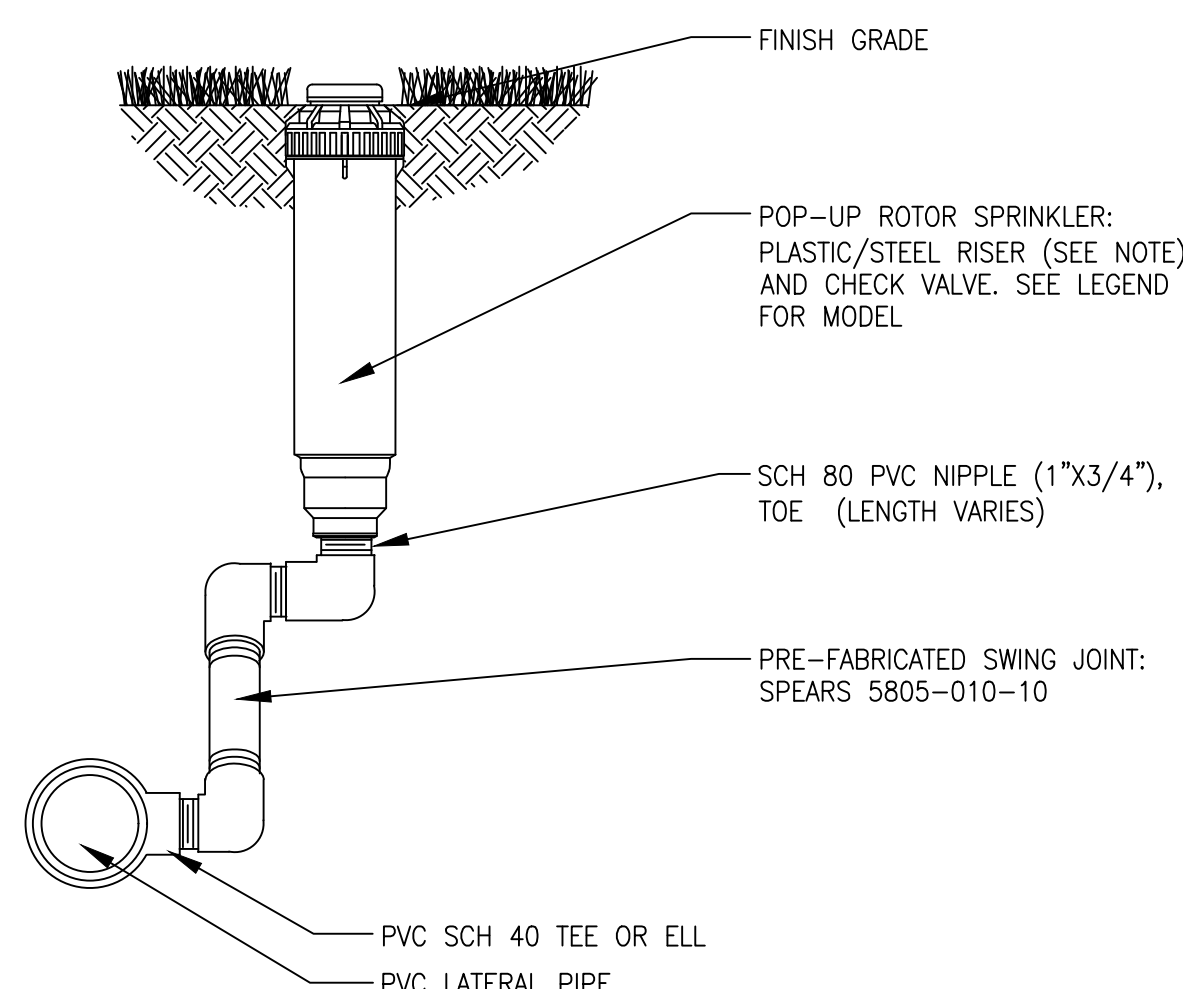


NOTES:  
1. SLEEVE ALL PIPE AND WIRE SEPARATELY.  
2. ALL PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. "SNAKE" UNSLEEVED PLASTIC PIPE IN TRENCH. PROVIDE A MINIMUM OF 2" CLEARANCE TO SIDE OF TRENCH AND BETWEEN PIPES.  
3. ALL 120-V WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. TAPE AND BUNDLE 24-V WIRE EVERY 10' AND PROVIDE LOOSE 20" LOOP AT ALL CHANGES OF DIRECTION OVER 30 DEGREES.

## 10 TYPICAL TRENCHING DETAIL

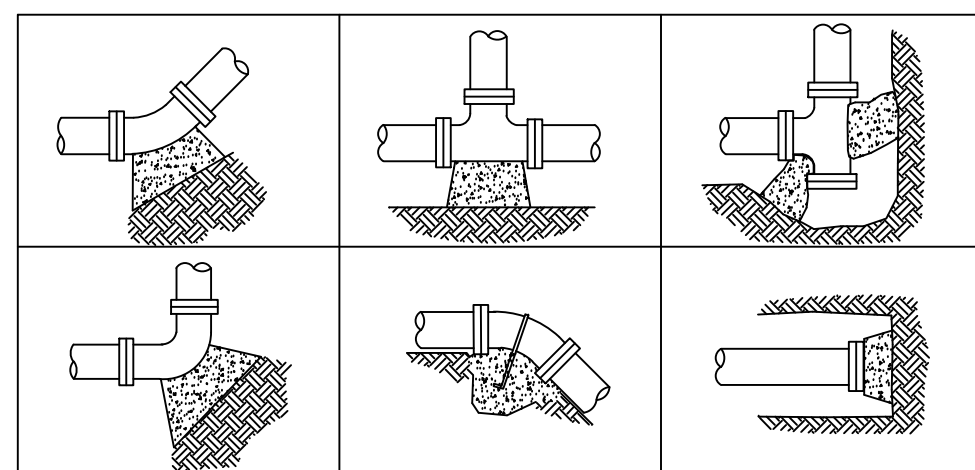


## 3 FLOW SENSOR ASSEMBLY



NOTES:  
1. INSTALL PLASTIC RISERS FOR ROTORS IN NATIVE AREAS.

## 7 6-INCH GEAR-DRIVEN ROTOR ASSEMBLY

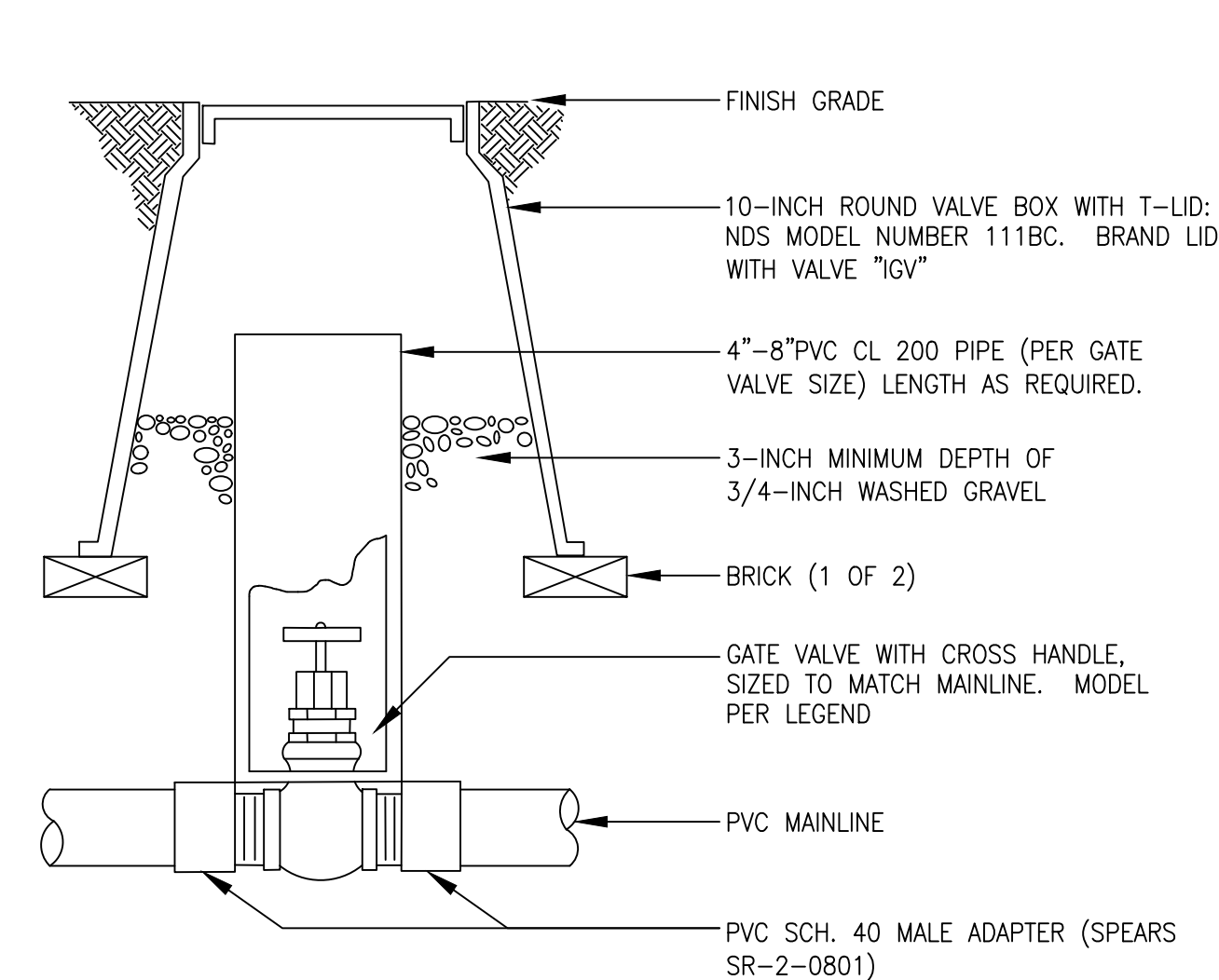


| PIPE SIZE | BENDS   |     |      | TEE OR DEAD END |
|-----------|---------|-----|------|-----------------|
|           | 22-1/2' | 45' | 90'  |                 |
| 3"        | 0.3     | 0.6 | 1.1  | 0.8             |
| 4"        | 0.5     | 1.1 | 1.9  | 1.4             |
| 6"        | 1.1     | 2.2 | 4.0  | 2.8             |
| 8"        | 1.8     | 3.6 | 6.5  | 4.7             |
| 12"       | 4       | 7.8 | 14.5 | 10.2            |
| 16"       | 6.9     | 14  | 25.7 | 18.1            |

\*BASED ON 2,000 PSF BEARING CAPACITY

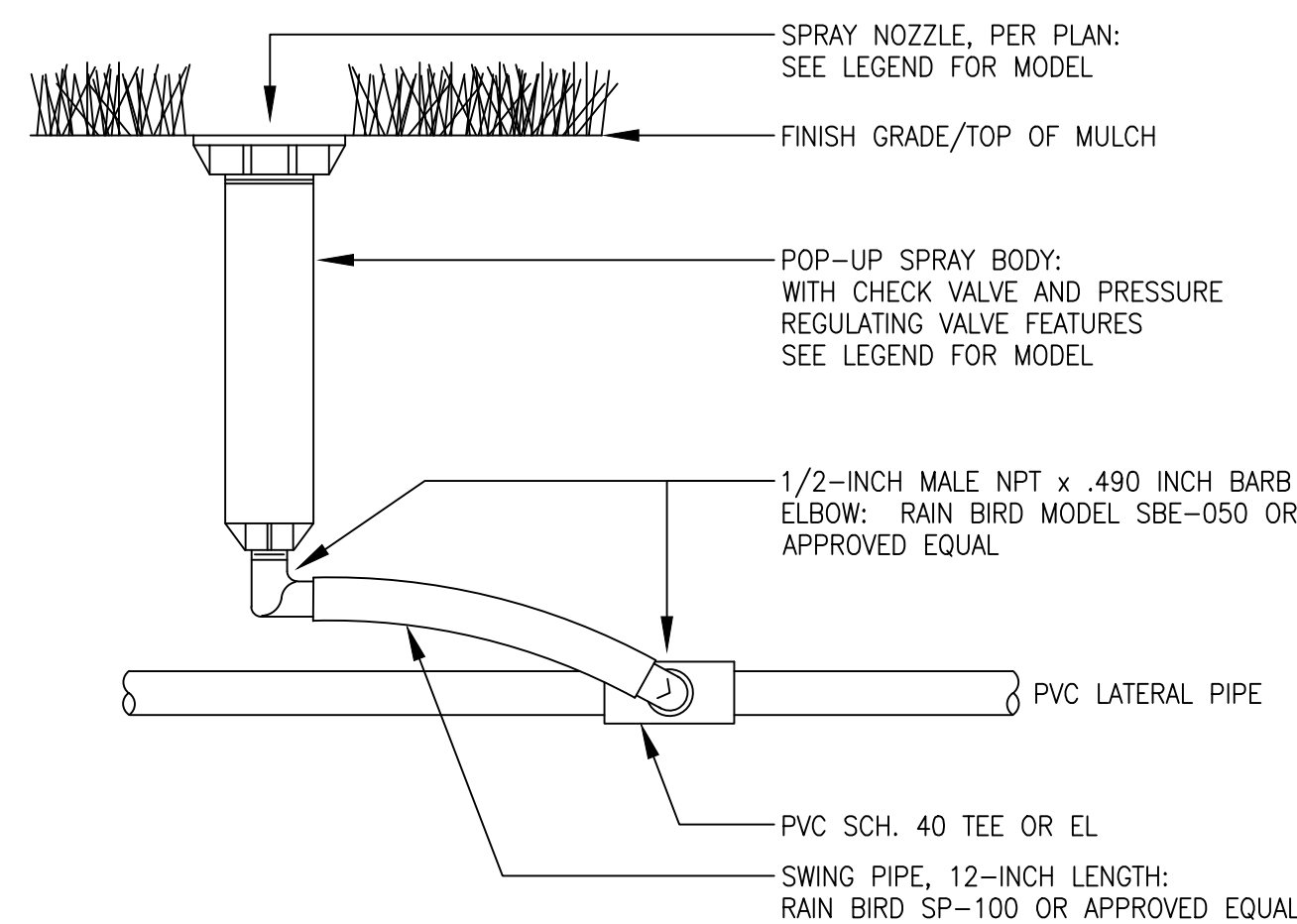
NOTES:  
1. USE NO. 4 REBAR WITH MASTIC COATING WHERE PIPE MUST BE ANCHORED TO THRUST BLOCK.  
2. INSTALL THRUST BLOCK SO THE HORIZONTAL AND VERTICAL DIMENSIONS OF THE THRUST BLOCK ARE APPROXIMATELY EQUAL.

## 11 TYPICAL THRUST BLOCK DETAIL



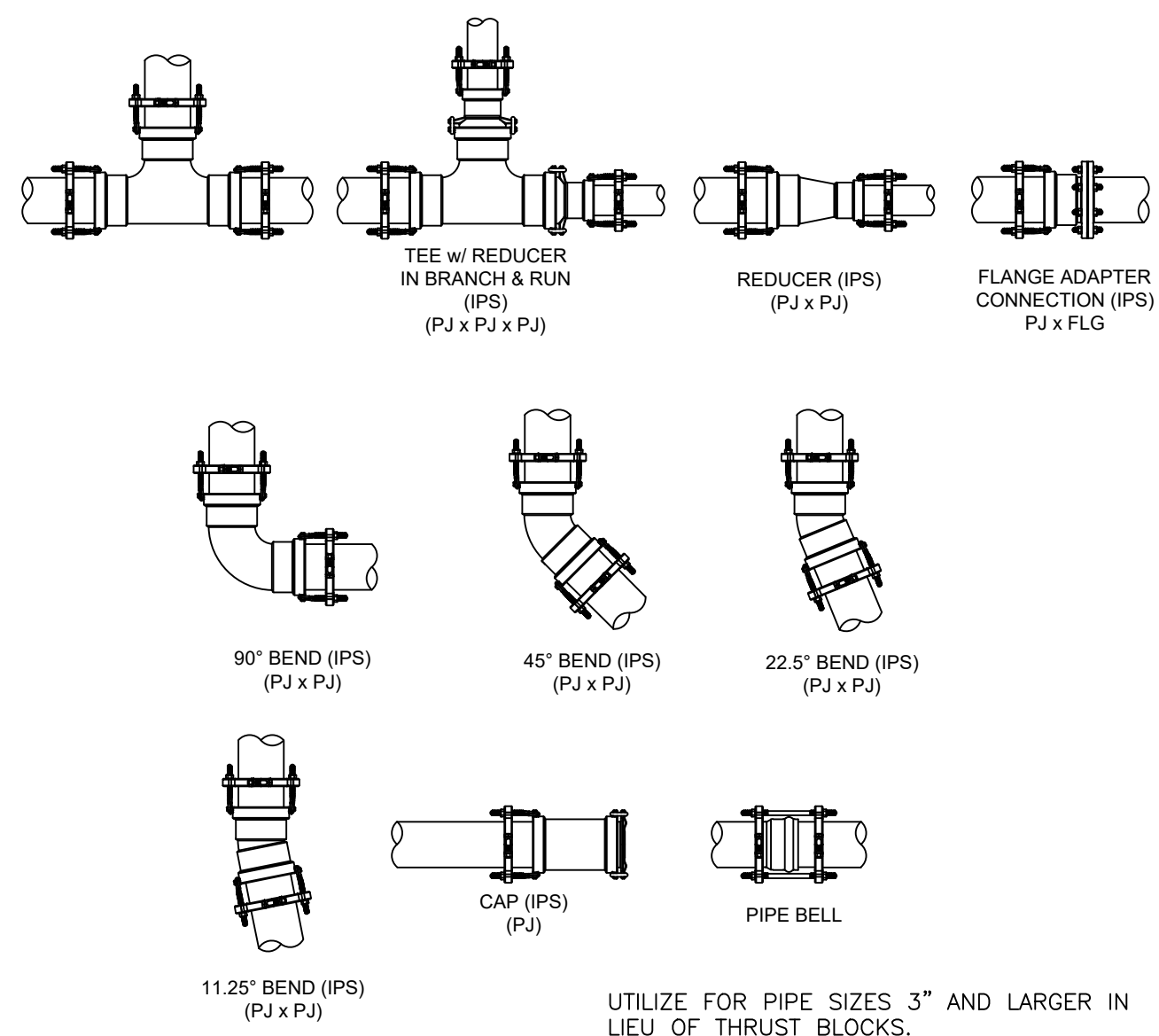
NOTES:  
1. NOMINAL SIZE OF GATE VALVE TO MATCH NOMINAL MAINLINE SIZE.

## 4 ISOLATION GATE VALVE ASSEMBLY



NOTES:  
1. UTILIZE 40 PSI PRESSURE REGULATING STEM FOR HEADS WITH ROTARY NOZZLES.  
2. UTILIZE 30 PSI PRESSURE REGULATING STEM FOR HEADS WITH SPRAY NOZZLES.

## 8 6-INCH POP-UP SPRAY SPRINKLER ASSEMBLY



## 12 PIPE FITTING WITH JOINT RESTRAINT

| No. | Revisions:     | Date:      |            |
|-----|----------------|------------|------------|
|     |                | 12/20/24   | 01/07/2026 |
| 1   | City Revisions | 01/07/2026 | 03/04/2026 |
| 2   | City Revisions | 03/04/2026 |            |
| 3   | City Revisions |            |            |

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CITY OF MONTROSE  
ROTARY PARK  
534 S. 12TH STREET, MONTROSE, COLORADO 81401

SHEET TITLE  
**IRRIGATION DETAILS**

Designed By: MLP  
Drawn By: MLP  
Checked By: TEAM  
Date: 12-06-2024

SHEET NUMBER

**IR2.1**

