



Purchasing Division

**Invitation for Bid**  
**IFB-4905-21-SH**

**POMONA PARK IRRIGATION PIPE & SUPPLIES**

**Responses Due:**

August 25, 2021 prior to 2:30 P.M. Local Time

**Accepting Electronic Responses Only**  
**Responses Only Submitted Through the Rocky Mountain E-**  
**Purchasing [www.bidnetdirect.com/colorado](http://www.bidnetdirect.com/colorado)**

(Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. 800-835-4603)

**Purchasing Representative:**

Susan Hyatt, Senior Buyer  
[susanh@gjcity.org](mailto:susanh@gjcity.org)  
Phone (970) 244-1513

**NOTE: All City solicitation openings will continue to be held virtually.**

This document has been developed specifically to solicit competitive responses for this solicitation, and may not be the same as previous City of Grand Junction solicitations. All vendors are urged to thoroughly review this solicitation prior to responding. Submittal by **FAX, EMAIL or HARD COPY IS NOT ACCEPTABLE** for this solicitation.

# **Invitation for Bids**

## **Table of Contents**

Section 1	Instruction to Bidders
Section 2	General Contract Conditions
Section 3	Statement of Work
Section 4	Bid Form
	Price Proposal/Bid Schedule Form

# **1. Instructions to Bidders**

- 1.1. **Purpose:** The City of Grand Junction is soliciting competitive bids from qualified and interested companies for all labor, equipment, and materials required to **provide and deliver pipe and related supplies for Pomona Park located at 588 25-1/2 Road, Grand Junction, CO 81505**. All dimensions and scope of work should be verified by Bidders prior to submission of bids.

The City would like to remind all Contractors, Sub-Contractors, Vendors, Suppliers, Manufacturers, Service Providers, etc. that (with the exception of Pre-Bid or Site Visit Meetings) all questions, inquiries, comments, or communication pertaining to any formal solicitation (whether process, specifications, scope, etc.) must be directed (in writing) to the Purchasing Agent assigned to the project or Purchasing Division. Direct communication with the City assigned Project Managers/Engineers is not appropriate for public procurement, and may result in disqualification.

- 1.2. **The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout this Solicitation. The term Owner means the Owner or his authorized representative.
- 1.3. **Procurement Process:** Procurement processes shall be governed by the most current version of the City of Grand Junction [Purchasing Policy and Procedure Manual](#).
- 1.4. **Submission:** **Each proposal shall be submitted in electronic format only, and only through the Rocky Mountain E-Purchasing (BidNet Colorado) website, [www.bidnetdirect.com/colorado](http://www.bidnetdirect.com/colorado). The uploaded response shall be a single PDF document with all required information included. This site offers both “free” and “paying” registration options that allow for full access of the Owner’s documents and for electronic submission of proposals.** (Note: “free” registration may take up to 24 hours to process. Please Plan accordingly.) Please view our “**Electronic Vendor Registration Guide**” at [www.gjcity.org/501/Purchasing-Bids](http://www.gjcity.org/501/Purchasing-Bids) for details. (Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor **MUST** contact RMEPS to resolve issue prior to the response deadline. **800-835-4603**)

**Please join the virtual Pomona Park Irrigation Pipe & Supplies IFB-4905-21-SH Bid Opening on GoToConnect from your computer using the Chrome browser. <https://app.goto.com/meet/952235645>**

**You can also dial in using your phone.**

**Dial-In**

**(646) 749-3335**

**Access Code**

**952-235-645**

- 1.5. **Printed Form for Price Bid:** All Price Bids must be made upon the Bid Form attached and should give the amounts both in words and in figures and must be signed and acknowledged by the bidder.

Bidder shall specify a unit price in figures for each pay item for which a quantity is given and shall provide the products (in numbers) of the respective unit prices and quantities in the Extended Amount column. The total Bid price shall be equal to the sum of all extended amount prices. When an item in the Price Bid Schedule provides a choice to be made by the Offeror, Offeror's choice shall be indicated in accordance with the specifications for that particular item and thereafter no further choice shall be permitted.

Where the unit of a pay item is lump sum, the lump sum amount shall be shown in the "extended amount" column and included in the summation of the total Bid.

All blank spaces in the Price Bid Schedule must be properly filled out.

Bids by corporations must be executed in the corporate name by the president or vice president or other corporate office accompanied by evidence of authority to sign. The corporate address and state of incorporation shall be shown below the signature.

Bids by partnerships must be executed in the partnership name and signed by a partner whose title must appear under the signature and the official address of the partnership must be shown below the signature.

All names must be typed or printed below the signature.

The Offeror's Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Contractor's Bid Form.

The contact information to which communications regarding the Bid are to be directed must be shown.

- 1.6. Exclusions:** No oral, telephonic, emailed, or facsimile bid will be considered
- 1.7. Contract Documents:** The complete IFB and bidder's response compose the Contract Documents. Copies of these documents can be obtained from the City Purchasing website at [www.gjcity.org/501/Purchasing-Bids](http://www.gjcity.org/501/Purchasing-Bids).
- 1.8. Examination of Specifications:** Bidders shall thoroughly examine and be familiar with the project Statement of Work. The failure or omission of any Bidder to receive or examine any form, addendum, or other document shall in no way relieve any Bidder from any obligation with respect to his bid. The submission of a bid shall be taken as evidence of compliance with this section.
- 1.9. Questions Regarding Statement of Work:** Any information relative to interpretation of Scope of Work or specifications shall be requested of the Purchasing Representative, in writing, in ample time prior to the response time.
- 1.10. Addenda & Interpretations:** All Questions shall be submitted in writing to the appropriate person as shown in Section 1.1. Any interpretations, corrections and changes to this solicitation or extensions to the opening date shall be made by a written Addendum by the Owner. Sole authority to authorize addenda shall be vested in the Purchasing Representative. Addenda will be issued electronically through the Rocky Mountain E-Purchasing website at [www.bidnetdirect.com/colorado](http://www.bidnetdirect.com/colorado). Bidders shall acknowledge

receipt of all addenda in their response and are solely responsible for obtaining all solicitation documents.

- 1.11. **Taxes:** The Owner is exempt from State retail and Federal tax. The bid price must be net, exclusive of taxes.
- 1.12. **Offers Binding 60 Days:** Unless otherwise specified, all formal offers submitted shall be binding for sixty (60) calendar days following opening date, unless the Bidder, upon request of the Purchasing Representative, agrees to an extension.
- 1.13. **Collusion Clause:** Each bidder by submitting a bid certifies that it is not party to any collusive action or any action that may be in violation of the Sherman Antitrust Act. Any and all bids shall be rejected if there is evidence or reason for believing that collusion exists among bidders. The Owner may, or may not, accept future bids for the same services or commodities from participants in such collusion.
- 1.14. **Public Disclosure Record:** If the bidder has knowledge of their employee(s) or sub-contractors having an immediate family relationship with an Owner employee or elected official, the bidder must provide the Purchasing Representative with the name(s) of these individuals. These individuals are required to file an acceptable "Public Disclosure Record", a statement of financial interest, before conducting business with the Owner.
- 1.15. **Public Opening:** Responses shall be opened in the City Hall Auditorium 250 North 5th Street, Grand Junction, CO 81501 immediately following the solicitation deadline.

## **2. General Contract Conditions**

- 2.1. The Contract:** This Invitation for Bid, submitted documents, and any negotiations, when properly accepted by the Owner, shall constitute a contract equally binding between the Owner and Bidder. The contract represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements. The contract may be amended or modified with Change Orders, Field Orders, or Amendment(s).
- 2.2. Execution, Correlation, Intent, and Interpretations:** The Contract Documents and/or Purchase Order shall be signed by the Owner (Owner) and Contractor. Owner will provide the contract/purchase order. By executing the contract/purchase order, the Bidder represents that they have familiarized themselves with the local conditions under which the work is to be performed and correlated his observations with the requirements of the Contract Documents. The Contract Documents are complementary, and what is required by anyone, shall be as binding as if required by all. The intention of the documents is to include all labor, materials, equipment, and other items necessary for the proper execution and completion of the scope of work as defined herein. All drawings, specifications and copies furnished by the Owner are, and shall remain, Owner property. They are not to be used on any other project, and with the exception of one contract set for each party to the contract, are to be returned to the owner on request at the completion of the work.
- 2.3. The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout the Contract Documents. The term Owner means the Owner or his authorized representative. The Owner shall, at all times, have access to the work wherever it is in preparation or progress. The Contractor shall provide facilities for such access. The Owner will familiarize himself generally with the progress and quality of work and to determine, in general, if the work is proceeding in accordance with the contract documents. The Owner will not be responsible for the acts or omissions of the Contractor, and sub-Contractor, or any of their agents or employees, or any other persons performing any of the work.
- 2.4. Contractor:** The Contractor is the person or organization identified as such in the Agreement and is referred to throughout the Contract Documents. The term Contractor means the Contractor or his authorized representative. The Contractor shall carefully study and compare the General Contract Conditions of the Contract, Specification and/or Drawings, Scope of Work, Addenda and Modifications and shall at once report to the Owner any error, inconsistency or omission he may discover. Contractor shall not be liable to the Owner for any damage resulting from such errors, inconsistencies or omissions. The Contractor shall not commence work without clarifying Drawings, Specifications, or Interpretations.
- 2.5. Warranty:** The Contractor warrants to the Owner that all materials and equipment furnished under this contract will be new unless otherwise specified, be of good quality, free from faults and defects and in conformance with the Contract Documents. All materials and equipment not so conforming to these standards may be considered defective. If required by Owner, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. If within ten (10) days after written notice to the Contractor requesting such repairs or replacement, the Contractor should neglect

to make or undertake with due diligence to the same, the City may make such replacements. All indirect and direct costs of such correction or replacement shall be at the Contractor's expense.

**2.6. Insurance Requirements:** The selected Contractor agrees to procure and maintain, at its own cost, policy(s) of insurance sufficient to insure against all liability, claims, demands, and other obligations assumed by the Contractor pursuant to this Section. Such insurance shall be in addition to any other insurance requirements imposed by this Contract or by law. The Contractor shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to this Section by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types. Contractor shall procure and maintain and, if applicable, shall cause any Subcontractor of the Contractor to procure and maintain insurance coverage listed below. Such coverage shall be procured and maintained with forms and insurers acceptable to the Owner. In the case of any claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage. Minimum coverage limits shall be as indicated below unless specified otherwise:

(a) Worker Compensation: Contractor shall comply with all State of Colorado Regulations concerning Workers' Compensation insurance coverage.

(b) General Liability insurance with minimum limits of:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and  
ONE MILLION DOLLARS (\$1,000,000) per job aggregate.

The policy shall be applicable to all premises and operations. The policy shall include coverage for bodily injury, broad form property damage (including completed operations), personal injury (including coverage for contractual and employee acts), blanket contractual, products, and completed operations. The policy shall include coverage for explosion, collapse, and underground hazards. The policy shall contain a severability of interests provision.

(c) Comprehensive Automobile Liability insurance with minimum limits for bodily injury and property damage of not less than:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and  
ONE MILLION DOLLARS (\$1,000,000) aggregate

With respect to each of Contractors owned, hired, or non-owned vehicles assigned to be used in performance of the Work. The policy shall contain a severability of interests provision. The policies required by paragraph (b) above shall be endorsed to include the Owner, and the Owner's officers and employees as additional insureds. Every policy required above shall be primary insurance, and any insurance carried by the Owner, its officers, or its employees, or carried by or provided through any insurance pool of the Owner, shall be excess and not contributory insurance to that provided by Bidder. No additional insured endorsement to any required policy shall contain any exclusion for bodily injury or property damage arising from completed operations. The Bidder shall be solely responsible for any deductible losses under any policy required above.

- 2.7. Indemnification:** The Contractor shall defend, indemnify and save harmless the Owner, and all its officers, employees, insurers, and self-insurance pool, from and against all liability, suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the Contractor, or of any Contractor's agent, employee, sub-contractor or supplier in the execution of, or performance under, any contract which may result from proposal award. Contractor shall pay any judgment with cost which may be obtained against the Owner growing out of such injury or damages.
- 2.8. Miscellaneous Conditions: Material Availability:** Contractors must accept responsibility for verification of material availability, production schedules, and other pertinent data prior to submission of bid. It is the responsibility of the bidder to notify the Owner immediately if materials specified are discontinued, replaced, or not available for an extended period of time.
- 2.9. OSHA Standards:** All bidders agree and warrant that services performed in response to this invitation shall conform to the standards declared by the US Department of Labor under the Occupational Safety and Health Act of 1970 (OSHA). In the event the services do not conform to OSHA standards, the Owner may require the services to be redone at no additional expense to the Owner.
- 2.10. Time:** The Contract Time is the period of time allotted in the Contract Documents for completion of product/material receipt. The date of commencement of the contract is the date established in the Contract Documents.
- 2.11. Payment & Completion:** The Contract Sum is stated in the Contract and is the total amount payable by the Owner to the Contractor for the products/materials under the Contract Documents. Upon receipt of the products/materials or written notice that the products/materials is ready for final inspection and acceptance and upon receipt of application for payment, the Owner's Project Manager will promptly make such inspection and, when he finds the products/materials acceptable under the Contract Documents and the Contract fully performed, the Owner shall make payment in the manner provided in the Contract Documents.
- 2.12. Protection of Persons & Property:** The Contractor shall comply with all applicable laws, ordinances, rules, regulations and orders of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss. Contractor shall erect and maintain, as required by existing safeguards for safety and protection, and all reasonable precautions, including posting danger signs or other warnings against hazards promulgating safety regulations and notifying owners and users of adjacent utilities. When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct by the Contractor in the execution of the Contract, or in consequence of the non-execution thereof, the Contractor shall restore, at their own expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding, or otherwise restoring as may be directed, or they shall make good such damage or injury in an acceptable manner.



- 2.19. Change Order/Amendment:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All Change Orders/Amendments to the contract shall be made in writing by the Owner.
- 2.20. Assignment:** The Contractor shall not sell, assign, transfer or convey any contract resulting from this Solicitation, in whole or in part, without the prior written approval from the Owner.
- 2.21. Cancellation of Solicitation:** Any solicitation may be canceled by the Owner or any solicitation response by a vendor may be rejected in whole or in part when it is in the best interest of the Owner.
- 2.22. Compliance with Laws:** Bids must comply with all Federal, State, County and local laws governing or covering this type of service and the fulfillment of all ADA (Americans with Disabilities Act) requirements.
- 2.23. Confidentiality:** All materials submitted in response to this Solicitation shall ultimately become public record and shall be subject to inspection after contract award. **“Proprietary or Confidential Information”** is defined as any information that is not generally known to competitors and which provides a competitive advantage. Unrestricted disclosure of proprietary information places it in the public domain. Only submittal information clearly identified with the words **“Confidential Disclosure”** and uploaded as a separate document shall establish a confidential, proprietary relationship. Any material to be treated as confidential or proprietary in nature must include a justification for the request. The request shall be reviewed and either approved or denied by the Owner. If denied, the proposer shall have the opportunity to withdraw its entire proposal, or to remove the confidential or proprietary restrictions. Neither cost nor pricing information nor the total response shall be considered confidential or proprietary.
- 2.24. Conflict of Interest:** No public official and/or Owner employee shall have interest in any contract resulting from this Solicitation.
- 2.25. Contract Termination:** This contract shall remain in effect until any of the following occurs: (1) contract expires; (2) completion of work; (3) acceptance of work or, (4) for convenience terminated by either party with a written *Notice of Cancellation* stating therein the reasons for such cancellation and the effective date of cancellation.
- 2.26. Employment Discrimination:** During the performance of any services per agreement with the Owner, the Contractor, by submitting a response, agrees to the following conditions:
- 2.26.1.** The Contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, handicap, or national origin except when such condition is a legitimate occupational qualification reasonably necessary for the normal operations of the Contractor. The Contractor agrees to post in conspicuous places, visible to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

- 2.26.2.** The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, shall state that such Contractor is an Equal Opportunity Employer.
- 2.26.3.** Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
- 2.27. Immigration Reform and Control Act of 1986 and Immigration Compliance:** The Contractor certifies that it does not and will not during the performance of the contract employ workers without authorization or otherwise violate the provisions of the Federal Immigration Reform and Control Act of 1986 and/or the immigration compliance requirements of State of Colorado C.R.S. § 8-17.5-101, *et.seq.* (House Bill 06-1343).
- 2.28. Ethics:** The Contractor shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official, or agent of the Owner.
- 2.29. Failure to Deliver:** In the event of failure of the Contractor to deliver products/materials in accordance with the contract terms and conditions, the Owner, after due oral or written notice, may procure the products/materials from other sources and hold the Contractor responsible for any costs resulting in additional purchase and administrative services. This remedy shall be in addition to any other remedies that the Owner may have.
- 2.30. Failure to Enforce:** Failure by the Owner at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of the Owner to enforce any provision at any time in accordance with its terms.
- 2.31. Force Majeure:** The Contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the Contractor, unless otherwise specified in the contract.
- 2.32. Independent Contractor:** The Contractor shall be legally considered an Independent Contractor and neither the Contractor nor its employees shall, under any circumstances, be considered servants or agents of the Owner. The Owner shall be at no time legally responsible for any negligence or other wrongdoing by the Contractor, its servants, or agents. The Owner shall not withhold from the contract payments to the Contractor any federal or state unemployment taxes, federal or state income taxes, Social Security Tax or any other amounts for benefits to the Contractor. Further, the Owner shall not provide to the Contractor any insurance coverage or other benefits, including Workers' Compensation, normally provided by the Owner for its employees.
- 2.33. Nonconforming Terms and Conditions:** A response that includes terms and conditions that do not conform to the terms and conditions of this Solicitation is subject to rejection as non-responsive. The Owner reserves the right to permit the Contractor to withdraw nonconforming terms and conditions from its response prior to a determination by the Owner of non-responsiveness based on the submission of nonconforming terms and conditions.

- 2.34. Ownership:** All plans, prints, designs, concepts, etc., shall become the property of the Owner.
- 2.35. Patents/Copyrights:** The Contractor agrees to protect the Owner from any claims involving infringements of patents and/or copyrights. In no event shall the Owner be liable to the Contractor for any/all suits arising on the grounds of patent(s)/copyright(s) infringement. Patent/copyright infringement shall null and void any agreement resulting from response to this Solicitation.
- 2.36. Remedies:** The Contractor and Owner agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.
- 2.37. Venue:** Any agreement as a result of responding to this Solicitation shall be deemed to have been made in, and shall be construed and interpreted in accordance with, the laws of the City of Grand Junction, Mesa County, Colorado.
- 2.38. Expenses:** Expenses incurred in preparation, submission and presentation of this Solicitation are the responsibility of the company and cannot be charged to the Owner.
- 2.39. Sovereign Immunity:** The Owner specifically reserves its right to sovereign immunity pursuant to Colorado State Law as a defense to any action arising in conjunction to this agreement.
- 2.40. Non-Appropriation of Funds:** The contractual obligation of the Owner under this contract is contingent upon the availability of appropriated funds from this fiscal year budget as approved by the City Council or Board of County Commissioners from this fiscal year only. **State of Colorado Statutes prohibit obligation of public funds beyond the fiscal year for which the budget was approved.** Anticipated expenditures/obligations beyond the end of the current Owner's fiscal year budget shall be subject to budget approval. Any contract shall be subject to, and must contain, a governmental non-appropriation of funds clause.
- 2.41. Cooperative Purchasing:** Purchases as a result of this solicitation are primarily for the Owner. Other governmental entities may be extended the opportunity to utilize the resultant contract award with the agreement of the successful provider and the participating agencies. All participating entities shall be required to abide by the specifications, terms, conditions and pricings established in this Solicitation. The quantities furnished in this bid document are for only the Owner. It does not include quantities for any other jurisdiction. The Owner shall be responsible only for the award for its jurisdiction. Other participating entities shall place their own awards on their respective Contract/Purchase Orders through their Purchasing Office or use their Purchasing Card for purchase/payment as authorized or agreed upon between the provider and the individual entity. The Owner accepts no liability for payment of orders placed by other participating jurisdictions that choose to piggy-back on our solicitation. Orders placed by participating jurisdictions under the terms of this solicitation shall indicate their specific delivery and invoicing instructions.
- 2.42. Keep Jobs in Colorado Act:** Contractor shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes requiring 80% Colorado labor to be employed on public works projects. Contractor shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and

residency required by C.R.S. §8-17-101(2)(a). If Contractor claims it is entitled to a waiver pursuant to C.R.S. §8-17-101(1), Contractor shall state that there is insufficient Colorado labor to perform the work such that compliance with Article 17 would create an undue burden that would substantially prevent a project from proceeding to completion, and shall include evidence demonstrating the insufficiency and undue burden in its response.

Unless expressly granted a waiver by the Owner pursuant to C.R.S. §8-17-101(1), Contractor shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes requiring 80% Colorado labor to be employed on public works. Contractor shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and residency required by C.R.S. §8-17-101(2)(a).

**2.42.1.** "Public Works Project" is defined as:

- (a) any construction, alteration, repair, demolition, or improvement of any land, building, structure, facility, road, highway, bridge, or other public improvement suitable for and intended for use in the promotion of the public health, welfare, or safety and any maintenance programs for the upkeep of such projects
- (b) for which appropriate or expenditure of moneys may be reasonably expected to be \$500,000.00 or more in the aggregate for any fiscal year
- (c) except any project that receives federal moneys.

**2.43. Definitions:**

**2.43.1.** The term "Work" includes all labor, materials, equipment, and/or services necessary to produce the requirements of the Contract Documents.

**2.43.2.** "Contractor" is the person or organization identified as such in the Agreement and is referred to throughout the Contract Documents. The term Contractor means the Contractor or his authorized representative. The Contractor shall carefully study and compare the General Contract Conditions of the Contract, Specification and Drawings, Scope of Work, Addenda and Modifications and shall at once report to the Owner any error, inconsistency or omission he may discover. Contractor shall not be liable to the Owner for any damage resulting from such errors, inconsistencies or omissions. The Contractor shall not commence work without clarifying Drawings, Specifications, or Interpretations.

**2.43.3.** "Sub-Contractor" is a person or organization who has a direct contract with the Contractor to perform any of the work at the site. The term sub-contractor is referred to throughout the contract documents and means a sub-contractor or his authorized representative.

### **3. Specifications and Special Conditions & Provisions**

- 3.1. **General:** The City of Grand Junction is accepting competitive pricing from qualified and interested companies, to supply and deliver **pipe and related supplies that meet the specifications listed in Section 3 “Specifications and Special Conditions”**.

Delivery costs of the product to the City of Grand Junction must be included in the bid price.

- 3.2. **Specifications:** See Price Bid Schedule for product specifications. The products have been divided in sections. Bid each Section separately, then tally all Sections for a Grand Total.

**Note:**

- No brands of pipe are excluded, provided that the pipe is AWWA approved and DR 25 rating.
- Other brands of joint restraints are acceptable as long as they meet specifications.
- Specify on the Price Bid Schedule any substitution in the Comments and Notes column.

- 3.2.1 The project has been divided into 10 Sections as noted on the Price Bid Schedule found on page 17. Section 1 through 8 shall be priced in detail using pages 18-33. The Grand Total for each Section will be entered on the Price Bid Schedule. The design drawings are attached as **Exhibit A**.

- 3.2.2 Detail on each Section is noted as follows:

**Section 1-** Main line materials (page 18-19); Page IR- 1 and 2 of design

**Section 2-** NW parking and Paterson frontage (page 20-21); Page IR-3 of design

**Section 3-** Center parking and bus turn around (page 22-24); Page IR-4 of design

**Section 4-** inside school area (page 25-26); Page IR-5 of design

**Section 5-** South parking/ strip between parking and ball fields (page 27-28); Page IR-5 of design

**Section 6-** Baseball fields/ domestic dirt infields/ Park area east and North of ball fields (page 29-30); Page IR-6 of design

**Section 7-** Main park area east of the school (page 31-32); Page IR-7

**Section 8** -Directional boring for the installation of all sleeves going under impermeable surfaces. **Please include separate unit costs for each page of the irrigation design on page 33.**

**Section 9-** Design of an irrigation vault to adequately settle out silt

**Section 10-** Construction of an irrigation vault built to the specifications designed in Section 9.

### 3.3. Special Conditions & Provisions:

**3.3.1 Materials Specifications Sheet:** Bidders shall supply materials specifications sheets and MSDS (Material Safety Data Sheets) for all products proposed for bid, with their bid submittals.

**3.3.2 Rejection of Products/Supplies:** The City of Grand Junction reserves the right to return products/supplies due to product flaws and/or not meeting specifications. Judgment of non-conformity will be at the discretion of the City of Grand Junction Project Manager.

**3.3.3 Delivery Schedule:** Deliveries will begin in early-September 2021 with full delivery complete by October 1, 2021.

**3.3.4 Delivery Location:** The order of materials shall be delivered to Pomona Park located at 588 25-1/2 Road, Grand Junction, CO 81505. \*\*\*\*Please call before delivery to verify proper location of material drop. \*\*\*\* Joe Brown 970-254-3843.

**3.3.5 Price:** Pricing shall be all inclusive, to include, but not be limited to: labor, materials, shipping/freight, etc.

All prices shall be "F.O.B. Destination Freight Pre-Paid and Allowed". The Owner shall not pay, nor be liable, for any other additional costs including but not limited to: taxes, shipping charges, insurance, interest, penalties, termination payments, attorney fees, liquidated damages, etc.

**3.3.6 Estimated Quantities:** The quantities indicated in this Invitation for Bid are estimates that pertain to the total aggregate quantities that may be ordered throughout the stated contract period. Variation of quantities may increase or decrease. The estimates do not indicate single order amounts unless otherwise stated. The Owner makes no guarantees about single order quantities or total aggregate order quantities.

**3.3.7 Minimum Order Quantities:** The bidder shall not establish a minimum order quantity for items under contract.

**3.3.8 Contract:** A binding contract shall consist of: (1) the IFB and any amendments thereto, (2) the bidder's response (bid) to the IFB, (3) clarification of the bid, if any, and (4) the City's Purchasing Department's acceptance of the bid by "Notice of Award" or by "Purchase Order". All Exhibits and Attachments included in the IFB shall be incorporated into the contract by reference.

A. The contract expresses the complete agreement of the parties and, performance shall be governed solely by the specifications and requirements contained therein.

B. Any change to the contract, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the bidder and the City Purchasing Division or by a modified Purchase Order prior to the effective date of such modification. The bidder expressly and explicitly understands and agrees that no other method and/or no other document, including acts and oral communications by or from any person, shall be used or construed as an amendment or modification to the contract.

**3.3.9 Packing Slips or Delivery Tickets:** All shipments or deliveries shall be accompanied by Packing Slips or Delivery Tickets, and shall contain the following information for each item delivered:

- The purchase order number
- The name of the article and stock number
- The quantity ordered
- The quantity shipped
- The quantity back ordered
- The name of the vendor(s)

**3.3.10 Brand Name or Equal:** Whenever in this bid invitation any particular materials, process, mechanism, and/or equipment are indicated, described or specified by patent, proprietary, or brand name, or by name of manufacturer, such wording will be deemed to be used for the purpose of facilitating minimum acceptable requirements and will be deemed to be followed by the words, "or equal". Proof satisfactory to the Owner must be provided by Bidder to show that the alternative product/equipment/vehicle is in fact, equal to specification requirements.

The Owner has determined that the brand name, model name/numbers meets the specifications as stated in the solicitation documents. These manufacturer's references are not intended to be restrictive but descriptive of the type and quality the Owner desires to purchase. Bids for similar manufactured items of like quality will be considered if the bid is fully noted with the manufacturer's brand name and model. The Owner reserves the right to determine products of equal value. Bidders will not be allowed to make unauthorized substitutions after award is made.

**3.4. Contractor Bid Documents:** For Contractor's convenience, the following is a list of forms/items to be submitted with the Contractor's bid response. However, should a form/item not be listed in this section, but required in the solicitation documents, it is the Contractor's responsibility to ensure all forms/items are submitted.

- **Contractor's Bid Form**
- **Price Bid Schedule**

**3.5. IFB Tentative Time Schedule:**

- |                                                  |                 |
|--------------------------------------------------|-----------------|
| • Invitation for Bids available                  | August 3, 2021  |
| • Inquiry deadline, no questions after this date | August 13, 2021 |
| • Addendum Posted                                | August 18, 2021 |
| • Submittal deadline for proposals               | August 25, 2021 |
| • Contract execution                             | August 31, 2021 |

**3.6. Questions Regarding Scope of Services:**

Susan Hyatt, Senior Buyer  
[susanh@gjcity.org](mailto:susanh@gjcity.org)

## 4. Contractor's Bid Form

**Bid Date:** \_\_\_\_\_

**Project:** IFB-4905-21-SH "Pomona Park Irrigation Pipe & Supplies"

**Bidding Company:** \_\_\_\_\_

**Name of Authorized Agent:** \_\_\_\_\_

**Email** \_\_\_\_\_

**Telephone** \_\_\_\_\_ **Address** \_\_\_\_\_

**City** \_\_\_\_\_ **State** \_\_\_\_\_ **Zip** \_\_\_\_\_

The undersigned Bidder, in compliance with the Invitation for Bids, having examined the Instruction to Bidders, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed work, hereby proposes to furnish all labor, materials and supplies, and to perform all work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Bidders, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the bid proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this bid proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or firm to submit a bid proposal for the purpose of restricting competition.
- The individual signing this bid proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-903544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of \_\_\_\_\_ percent of the net dollar will be offered to the Owner if the invoice is paid within \_\_\_\_\_ days after the receipt of the invoice. The Owner reserves the right to take into account any such discounts when determining the bid award that are no less than Net 10 days.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: \_\_\_\_\_.

It is the responsibility of the Bidder to ensure all Addenda have been received and acknowledged. *By signing below*, the Undersigned agree to comply with all terms and conditions contained herein.

**Company:** \_\_\_\_\_

**Authorized Signature:** \_\_\_\_\_

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



**PRICE BID SCHEDULE: IFB-4905-21-SH Pomona Park Irrigation Pipe & Supplies**  
**Bid Sections 1 – 7 in Detail using pages 19 - 34**

Section	Description	Irrigation Design Drawings	Bid Price for Section
Section 1.	Main Line Materials	Page IR-1 & 2	
Section 2.	NW Parking and Patterson frontage	Page IR-3	
Section 3.	Center Parking and Bus Turn Around	Page IR-4	
Section 4.	Inside School Area	Page IR-5	
Section 5.	South Parking / Strip Between Parking and Ball Fields	Page IR-5	
Section 6.	Baseball Fields / Domestic Dirt Infields / Park area East and North of Ball Fields	Page IR-6	
Section 7.	Main Park area East of School	Page IR-7	
Section 8.	Direction Boring – Bid each page separately	Pages IR-1 to IR-7	
Section 9.	Design of Irrigation Vault		
Section 10	Construction of Irrigation Vault		
<b>GRAND TOTAL for all Sections</b>			

**State delivery lead time after receipt of order:** \_\_\_\_\_  
 (Delivery will be considered during bid evaluation).

*By signing below, the Undersigned agree to comply with all terms and conditions contained herein.*

**Company:** \_\_\_\_\_

**Authorized Signature:** \_\_\_\_\_

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

## SECTION 1 – Main Line Materials

Description	Quantity	UM	Unit price	Extended Price	Notes/Comments/Substitutions
MAINLINE/SLEEVE					
MAINLINE					
4 PVC S200 BE WELL CASING PIPE	4460	Linear Feet			
SLEEVE					
8 PVC SDR21 BE WELL CASING PIPE	500	Linear Feet			
4 PVC S200 BE WELL CASING PIPE	100	Linear Feet			
2 SDR21 CL200 PVC BE PIPE	300	FT			
ESP LXD MODULAR DECODER CNTLR	1	EA			
SM75 STA MODULE F/ ESP-LXD CNTLR	1	EA			
ESPLXM SS PED F/ ESP-LX SER CNTL	1	EA			
1 PVC 90 COND ELL BXS S40	1	EA			
1X10 S40 PVC BELL END COND PIPE	5	Linear Feet			
3 36 RADIUS PVC 90 COND ELL BXS S40	1	EA			
3X20 PVC S40 BE COND PIPE	5	Linear Feet			
MAXI WIRE 14/2 RED X 1000	4700	Linear Feet			
LSP1 SURGE ARRESTOR TURF	11	EA			
5/8X8 UL 10MIL CU GRND ROD	11	EA			
5/8 DIR BURIAL GRND ROD CLMP	11	EA			
GROUNDING PLATE 4 X 96 W/WIRE	11	EA			
PE WIRE 14 AWG BLK X 2500	4550	Linear Feet			
AIR VENT					
2 CONT ACTION AIR REL VLV	4	EA			
4X4X2 PVC S40 SXSXS TEE	4	EA			
2X6 PVC S80 TOE PIPE NIP	4	EA			
6 RND VLV BX W/ GREEN LID	4	EA			
QUICK COUP/CHECK VALVE					
CHECK VALVE					
LF 4 BRZ 125# THRD SWG CHK VLV	3	EA			
4 PVC S40 SXM ADPT	6	EA			
QUICK COUP					
QCK CPLR VLV 1 W/ LOC CVR 44LRC	12	EA			
4X4X1 PVC S40 SXSXF TEE	12	EA			

SWG JT ASSY 1X12 MPTXMPT	12	EA			
6 RND VLV BX W/ GREEN LID	12	EA			
QCK CPLR 1 VLV KEY 44K	12	EA			
1 FPT X 1 HOSE SWVL ELL SH2	12	EA			
<b>BACKFLOW</b>					
*NP 2 BRZ BFP W/ BV 825YARP	1	EA			
2X4 PVC S80 TOE PIPE NIP	2	EA			
LF 2 BRS 90 ELL	2	EA			
LF 2X12 BRS NIP GBL	4	EA			
LF 2 BRS COUP	2	EA			
LF 2 BRS TEE	2	EA			
LF 2 BRS SQ HD SLD PLUG	2	EA			
LF 2X4 BRS NIP GBL	2	EA			
4X2 PVC S40 SPXSLIP BUSH	1	EA			
4 PVC S40 SXS COUP	1	EA			
PWDR COATED STL GS-3.3 FOREST GREEN	1	EA			
<b>ISOLATION VALVES</b>					
*CVR* LF 4 THREADED GATE VALVE	14	EA			
4X6 PVC S80 TOE PIPE NIP	28	EA			
4 PVC S40 SXS COUP	28	EA			
12" VALVEBOX W/ PENTAGON LOCK LID	14	EA			
<b>MISC FITTINGS</b>					
WIRE CONN DBR/Y	150	Linear Feet			
1 QT PVC PURP PRMR P70	4	EA			
1 QT PVC MED CLR CMNT 705	4	EA			
3/4X520 PTFE PIPE THRD TAPE	7	EA			
<b>Total for Section 1</b>					
<b>(Enter Total Price on Price Bid Schedule, page 17)</b>					

## SECTION 2 – Northwest Parking and Patterson Frontage

Description	Quantity	UM	Unit price	Extended Price	Notes/Comments/Substitutions
<b>PIPE</b>					
3 SDR21 CL200 PVC BE PIPE	150	FT			
2 SDR21 CL200 PVC BE PIPE	440	FT			
1-1/2 SDR21 CL200 PVC BE PIPE	620	FT			
1 SDR21 CL200 PVC BE PIPE	2300	FT			
<b>TRACER WIRE</b>					
PE WIRE 14 AWG BLK X 2500	3530	M			
<b>VALVES/DECODERS</b>					
<b>2" PESB</b>					
2 CONTROL VLV SCRUBBER 200PESB	6	EA			
4X4X2 PVC S40 SXSXS TEE	6	EA			
2X6 PVC S80 TOE PIPE NIP	6	EA			
2 PVC S40 SXS 90 ELL	6	EA			
2X4 PVC S80 TOE PIPE NIP	8	EA			
*NP 2 BRZ 200# WOG IPS NRS GA	6	EA			
2X6 PVC S80 NIP	6	EA			
2 PVC S40 SXS UNION BUNA	6	EA			
3X2 PVC S40 SPXSLIP BUSH	6	EA			
3 PVC S40 SXS COUP	6	EA			
FD101 TURF FIELD DECODER GRAY	6	EA			
JMBO VLV BX W/ GREEN LID	6	EA			
JMBO VLV BX EXT X 6	6	EA			
<b>1" PESB</b>					
1 CONTROL VLV SCRUBBER 100PESB	1	EA			
4X4X1 PVC S40 SXSXS TEE	1	EA			
1X6 PVC S80 TOE PIPE NIP	1	EA			
1X4 PVC S80 TOE PIPE NIP	2	EA			
1 PVC S40 SXS 90 ELL	1	EA			
*NP 1 BRZ 200# WOG IPS NRS GA	1	EA			
1X6 PVC S80 NIP	1	EA			
1 PVC S40 SXS UNION BUNA	1	EA			
FD101 TURF FIELD DECODER GRAY	1	EA			
JMBO VLV BX W/ GREEN LID	1	EA			
JMBO VLV BX EXT X 6	1	EA			
<b>HEADS/NOZZELS</b>					

1806					
SPRAY BODY 1806 PRS /PSI REG (50)	168	EA			
SPIRAL BARB ELL X 1/2 MPT SBE050	336	EA			
1/2X100 EXTRA FLEX SWG PIPE	2	EA			
8H SPRAY NOZ 1800 GREEN	11	EA			
10F SPRAY NOZ 1800 BLUE	1	EA			
10H SPRAY NOZ 1800 BLUE	9	EA			
12F SPRAY NOZ 1800 BROWN	10	EA			
12H SPRAY NOZ 1800 BROWN	8	EA			
15F SPRAY NOZ 1800 BLACK	26	EA			
15H SPRAY NOZ 1800 BLACK	47	EA			
15Q SPRAY NOZ 1800 BLACK	11	EA			
6VAN SPRAY NOZ 1800 ORANGE	1	EA			
8VAN SPRAY NOZ 1800 GREEN	8	EA			
10VAN SPRAY NOZ 1800 BLUE	8	EA			
12VAN SPRAY NOZ 1800 BROWN	7	EA			
15VAN SPRAY NOZ 1800 BLACK	21	EA			
PRO PRS30					
HUNTER 6" POP-UP W/ 30 PSI REG	12	EA			
HUNTER BUBBLER NOZ PCN50	12	EA			
SPIRAL BARB ELL X 1/2 MPT SBE050	24	EA			
5006 PLPC R SS					
*CVR* 5006 PLUS SS PRS PC SAM	44	EA			
SWG JT ASSY 3/4X12 MPTXMPT	44	EA			
MIAC FITTINGS/GLUE&PRIMER					
3/4X520 PTFE PIPE THRD TAPE	4	EA			
1 QT PVC PURP PRMR P70	4	EA			
1 QT PVC MED CLR CMNT 705	4	EA			
<b>Total for Section 2 (Enter price on Price Bid Schedule on page17)</b>					

### SECTION 3 – Center Parking and Bus Turnaround

Description	Quantity	UM	Unit price	Extended Price	Notes/Comments/Substitutions
<b>PIPE</b>					
4 PVC S200 BE WELL CASING PIPE	20	C			
3 SDR21 CL200 PVC BE PIPE	100	FT			
2 SDR21 CL200 PVC BE PIPE	580	FT			
1-1/2 SDR21 CL200 PVC BE PIPE	820	FT			
1 SDR21 CL200 PVC BE PIPE	2960	FT			
<b>TRACER WIRE</b>					
PE WIRE 14 AWG BLK X 500	4500	Linear Ft			
<b>VALVES</b>					
<b>3"PEB</b>					
3 CONTROL VLV SCRUBBER BRS 300BPES	1	EA			
4X4X3 PVC S40 SXSXF TEE	1	EA			
3X6 PVC S80 TOE PIPE NIP	1	EA			
3 PVC S40 SXS 90 ELL	1	EA			
3X4 PVC S80 TOE PIPE NIP	2	EA			
3X6 PVC S80 NIP	1	EA			
*NP 3 BRZ 200# WOG IPS NRS GA	1	EA			
3 PVC S40 SXS UNION BUNA	1	EA			
4X3 PVC S40 SPXSLIP BUSH	1	EA			
4 PVC S40 SXS COUP	1	EA			
JMBO VLV BX W/ GREEN LID	1	EA			
JMBO VLV BX EXT X 6	1	EA			
FD101 TURF FIELD DECODER GRAY	1	EA			
<b>2" PESB</b>					
2 CONTROL VLV SCRUBBER 200PESB	2	EA			
4X4X2 PVC S40 SXSXF TEE	2	EA			
2X6 PVC S80 TOE PIPE NIP	2	EA			
2 PVC S40 SXS 90 ELL	2	EA			
2X4 PVC S80 TOE PIPE NIP	4	EA			
*NP 2 BRZ 200# WOG IPS NRS GA	2	EA			
2X6 PVC S80 NIP	2	EA			
2 PVC S40 SXS UNION BUNA	2	EA			
3X2 PVC S40 SPXSLIP BUSH	1	EA			
3 PVC S40 SXS COUP	1	EA			
JMBO VLV BX W/ GREEN LID	2	EA			
JMBO VLV BX EXT X 6	2	EA			

FD101 TURF FIELD DECODER GRAY	2	EA			
1-1/2" PESB					
1-1/2 CONTROL VLV SCRUBBER 150PESB	6	EA			
4X1-1/2 PVC S40 SXF TEE	6	EA			
1-1/2X6 PVC S80 TOE PIPE NIP	6	EA			
*NP 1-1/2 BRZ 200# WOG THRD NRS	6	EA			
1-1/2X4 PVC S80 TOE PIPE NIP	12	EA			
1-1/2X6 PVC S80 NIP TBE	6	EA			
1-1/2 PVC S40 SXS UNION BUNA	6	EA			
2X1-1/2 PVC S40 SPXSLIP BUSH	2	EA			
2 PVC S40 SXS COUP	2	EA			
JMBO VLV BX W/ GREEN LID	6	EA			
JMBO VLV BX EXT X 6	6	EA			
FD101 TURF FIELD DECODER GRAY	6	EA			
1" PESB					
1 CONTROL VLV SCRUBBER 100PESB	1	EA			
4X4X1 PVC S40 SXSXF TEE	1	EA			
1X6 PVC S80 TOE PIPE NIP	1	EA			
1 PVC S40 SXS 90 ELL	1	EA			
1X4 PVC S80 TOE PIPE NIP	2	EA			
*NP 1 BRZ 200# WOG IPS NRS GA	1	EA			
1X6 PVC S80 NIP	1	EA			
1 PVC S40 SXS UNION BUNA	1	EA			
1-1/2X1 PVC S40 SP X SLIP BUSH	1	EA			
1-1/2 PVC S40 SXS COUP	1	EA			
JMBO VLV BX W/ GREEN LID	1	EA			
JMBO VLV BX EXT X 6	1	EA			
FD101 TURF FIELD DECODER GRAY	1	EA			
HEADS/NOZZELS					
1806PRS					
SPRAY BODY 1806 PRS /PSI REG (50)	45	EA			
8H SPRAY NOZ 1800 GREEN	4	EA			
10H SPRAY NOZ 1800 BLUE	1	EA			
12F SPRAY NOZ 1800 BROWN	1	EA			
12H SPRAY NOZ 1800 BROWN	15	EA			
12Q SPRAY NOZ 1800 BROWN	2	EA			
15H SPRAY NOZ 1800 BLACK	5	EA			

15H SPRAY NOZ 1800 BLACK	6	EA			
15Q SPRAY NOZ 1800 BLACK	2	EA			
6VAN SPRAY NOZ 1800 ORANGE	1	EA			
8VAN SPRAY NOZ 1800 GREEN	3	EA			
10VAN SPRAY NOZ 1800 BLUE	2	EA			
12VAN SPRAY NOZ 1800 BROWN	2	EA			
15VAN SPRAY NOZ 1800 BLACK	1	EA			
SPIRAL BARB ELL X 1/2 MPT SBE050	90	EA			
1/2X100 EXTRA FLEX SWG PIPE	1	EA			
PROS PRS 30					
HUNTER 6" POP-UP W/ 30 PSI REG	58	EA			
SPIRAL BARB ELL X 1/2 MPT SBE050	116	EA			
1/2X100 EXTRA FLEX SWG PIPE	1	EA			
5006					
*CVR* 5006 PLUS SS PRS PC SAM	53	EA			
SWG JT ASSY 3/4X12 MPTXMPT	53	EA			
FALCON					
ROTOR FALCON 6504 PC SS	10	EA			
SWG JT ASSY 1X12 MPTXMPT	10	EA			
8005					
ROTOR 8005 SS-PC/FC W/SS RISER (12)	25	EA			
SWG JT ASSY 1X12 MPTXMPT	25	EA			
MISC FITTINGS/GLUE					
1 QT PVC PURP PRMR P70	4	EA			
1 QT PVC MED CLR CMNT 705	4	EA			
3/4X520 PTFE PIPE THRD TAPE	4	EA			
<b>Total for Section 3 (Enter price on Price Bid Schedule on page17)</b>					



## SECTION 4 – Inside School Area

Description	Quantity	UM	Unit price	Extended Price	Notes/Comments/Substitutions
<b>PIPE</b>					
2 SDR21 CL200 PVC BE PIPE	20	FT			
1-1/2 SDR21 CL200 PVC BE PIPE	140	FT			
1 SDR21 CL200 PVC BE PIPE	720	FT			
<b>TRACER WIRE</b>					
PE WIRE 14 AWG BLK X 500	900	M			
<b>VALVES</b>					
<b>1-1/2 PESB</b>					
1-1/2 CONTROL VLV SCRUBBER 150PESB	2	EA			
4X4X1-1/2 PVC S40 SXSXS TEE	2	EA			
1-1/2X6 PVC S80 TOE PIPE NIP	2	EA			
1-1/2 PVC S40 SXS 90 ELL	2	EA			
1-1/2X4 PVC S80 TOE PIPE NIP	4	EA			
1-1/2X6 PVC S80 NIP TBE	2	EA			
*NP 1-1/2 BRZ 200# WOG THRD NRS	2	EA			
1-1/2 PVC S40 SXS UNION BUNA	2	EA			
2X1-1/2 PVC S40 SPXSLIP BUSH	1	EA			
2 PVC S40 SXS COUP	1	EA			
FD101 TURF FIELD DECODER GRAY	2	EA			
JMBO VLV BX W/ GREEN LID	2	EA			
JMBO VLV BX EXT X 6	2	EA			
<b>1" PESB</b>					
1 CONTROL VLV SCRUBBER 100PESB	1	EA			
4X4X1 PVC S40 SXSXS TEE	1	EA			
1X6 PVC S80 TOE PIPE NIP	1	EA			
2X4 PVC S80 TOE PIPE NIP	2	EA			
1 PVC S40 SXS 90 ELL	1	EA			
*NP 1 BRZ 200# WOG IPS NRS GA	1	EA			
1X6 PVC S80 NIP	1	EA			
1 PVC S40 SXS UNION BUNA	1	EA			

FD101 TURF FIELD DECODER GRAY	1	EA			
JMBO VLV BX W/ GREEN LID	1	EA			
JMBO VLV BX EXT X 6	1	EA			
<b>HEADES/NOZZELS</b>					
<b>1806</b>					
SPRAY BODY 1806 PRS /PSI REG (50)	66	EA			
SPIRAL BARB ELL X 1/2 MPT SBE050	132	EA			
10F SPRAY NOZ 1800 BLUE	7	EA			
10H SPRAY NOZ 1800 BLUE	15	EA			
10Q SPRAY NOZ 1800 BLUE	4	EA			
12F SPRAY NOZ 1800 BROWN	4	EA			
12H SPRAY NOZ 1800 BROWN	12	EA			
12Q SPRAY NOZ 1800 BROWN	4	EA			
15F SPRAY NOZ 1800 BLACK	1	EA			
15H SPRAY NOZ 1800 BLACK	8	EA			
15Q SPRAY NOZ 1800 BLACK	4	EA			
6VAN SPRAY NOZ 1800 ORANGE	2	EA			
12VAN SPRAY NOZ 1800 BROWN	3	EA			
15VAN SPRAY NOZ 1800 BLACK	2	EA			
<b>5006</b>					
*CVR* 5006 PLUS SS PRS PC SAM	10	EA			
SWG JT ASSY 3/4X12 MPTXMPT	10	EA			
<b>Total for Section 4</b> <b>(Enter price on Price Bid Schedule on page17)</b>					

## SECTION 5 – South Parking / Strip Between Parking and Ball Fields

Description	Quantity	UM	Unit price	Extended Price	Notes/Comments/Substitutions
PIPE					
3 SDR21 CL200 PVC BE PIPE	160	FT			
2 SDR21 CL200 PVC BE PIPE	280	FT			
1-1/2 SDR21 CL200 PVC BE PIPE	860	FT			
1 SDR21 CL200 PVC BE PIPE	760	FT			
TRACER WIRE					
-----					
PE WIRE 14 AWG BLK X 500	2060	Linear Ft			
VALVES					
3" PESB					
3 CONTROL VLV SCRUBBER BRS 300BPES	2	EA			
4X4X3 PVC S40 SXSXS TEE	2	EA			
3X6 PVC S80 TOE PIPE NIP	2	EA			
3X4 PVC S80 TOE PIPE NIP	4	EA			
3 PVC S40 SXS 90 ELL	2	EA			
*NP 3 BRZ 200# WOG IPS NRS GA	2	EA			
3X6 PVC S80 NIP	2	EA			
3 PVC S40 SXS UNION BUNA	2	EA			
FD101 TURF FIELD DECODER GRAY	2	EA			
JMBO VLV BX W/ GREEN LID	2	EA			
JMBO VLV BX EXT X 6	2	EA			
1-1/2 PESB					
1-1/2 CONTROL VLV SCRUBBER 150PESB	2	EA			
4X1-1/2 PVC S40 SXF TEE	2	EA			
1-1/2X6 PVC S80 TOE PIPE NIP	2	EA			
1-1/2 PVC S40 SXS 90 ELL	2	EA			
1-1/2X4 PVC S80 TOE PIPE NIP	4	EA			
*NP 1-1/2 BRZ 200# WOG THRD NRS	2	EA			
1-1/2X6 PVC S80 NIP TBE	2	EA			
1-1/2 PVC S40 SXS UNION BUNA	2	EA			
2X1-1/2 PVC S40 SPXSLIP BUSH	1	EA			

2 PVC S40 SXS COUP	1	EA			
FD101 TURF FIELD DECODER GRAY	2	EA			
JMBO VLV BX W/ GREEN LID	2	EA			
JMBO VLV BX EXT X 6	2	EA			
HEADS/NOZZELS					
1806					
SPRAY BODY 1806 PRS /PSI REG (50)	58	EA			
SPIRAL BARB ELL X 1/2 MPT SBE050	116	EA			
1/2X100 EXTRA FLEX SWG PIPE	1	EA			
10F SPRAY NOZ 1800 BLUE	8	EA			
10H SPRAY NOZ 1800 BLUE	1	EA			
12F SPRAY NOZ 1800 BROWN	8	EA			
15F SPRAY NOZ 1800 BLACK	6	EA			
15H SPRAY NOZ 1800 BLACK	29	EA			
15Q SPRAY NOZ 1800 BLACK	6	EA			
5006					
*CVR* 5006 PLUS SS PRS PC SAM	12	EA			
SWG JT ASSY 3/4X12 MPTXMPT	12	EA			
FALCON					
ROTOR FALCON 6504 PC SS	22	EA			
SWG JT ASSY 1X12 MPTXMPT	22	EA			
MISC FITTINGS/GLUE					
1 QT PVC PURP PRMR P70	2	EA			
1 QT PVC MED CLR CMNT 705	2	EA			
<b>Total for Section 5</b> <b>(Enter price on Price Bid Schedule on page17)</b>					

## SECTION 6 – Baseball Fields / Domestic Dirt Infields / Park Area East and North of Ball Fields

Description	Quantity	UM	Unit price	Extended Price	Notes/Comments/Substitutions
<b>PIPE</b>					
3 SDR21 CL200 PVC BE PIPE	2160	FT			
2 SDR21 CL200 PVC BE PIPE	1020	FT			
1-1/2 SDR21 CL200 PVC BE PIPE	2700	FT			
1 SDR21 CL200 PVC BE PIPE	2640	FT			
<b>TRACER WIRE</b>					
PE WIRE 14 AWG BLK X 2500	8500	Linear Ft			
<b>VALVES</b>					
<b>3" PEB</b>					
3 CONTROL VLV SCRUBBER BRS 300BPES	10	EA			
4X4X3 PVC S40 SXSXS TEE	10	EA			
3X6 PVC S80 TOE PIPE NIP	10	EA			
3 PVC S40 SXS 90 ELL	10	EA			
3X4 PVC S80 TOE PIPE NIP	20	EA			
3X6 PVC S80 NIP	10	EA			
*NP 3 BRZ 200# WOG IPS NRS GA	10	EA			
3 PVC S40 SXS UNION BUNA	10	EA			
JMBO VLV BX W/ GREEN LID	10	EA			
JMBO VLV BX EXT X 6	10	EA			
FD101 TURF FIELD DECODER GRAY	10	EA			
<b>2" PESB</b>					
2 CONTROL VLV SCRUBBER 200PESB	11	EA			
4X4X2 PVC S40 SXSXS TEE	11	EA			
2X6 PVC S80 TOE PIPE NIP	11	EA			
2X4 PVC S80 TOE PIPE NIP	22	EA			
2 PVC S40 SXS 90 ELL	11	EA			
*NP 2 BRZ 200# WOG IPS NRS GA	11	EA			
2 PVC S40 SXS UNION BUNA	11	EA			

3X2 PVC S40 SPXSLIP BUSH	11	EA			
3 PVC S40 SXS COUP	11	EA			
FD101 TURF FIELD DECODER GRAY	11	EA			
HEADS					
8005 SS					
ROTOR 8005 SS- PC/FC W/SS RISER (12)	62	EA			
SWG JT ASSY 1X12 MPTXMPT	62	EA			
FALCON SS					
ROTOR FALCON 6504 PC SS	76	EA			
RAIN BIRD NO LONGER MAKES THE HS (high speed) VARIANT					
SWG JT ASSY 1X12 MPTXMPT	76	EA			
5006					
*CVR* 5006 PLUS SS PRS PC SAM	32	EA			
SWG JT ASSY 3/4X12 MPTXMPT	32	EA			
MISC FITTINGS/ GLUE					
1 QT PVC PURP PRMR P70	5	EA			
1 QT PVC MED CLR CMNT 705	5	EA			
3/4X520 PTFE PIPE THRD TAPE	5	EA			
<b>Total for Section 6</b> <b>(Enter price on Price Bid Schedule on page17)</b>					

## Section 7 – Main Park Area East of School

Description	Quantity	UM	Unit price	Extended Price	Notes/Comments/Substitutions
<b>PIPE</b>					
4 PVC S200 BE WELL CASING PIPE	20	Linear Ft			
3 SDR21 CL200 PVC BE PIPE	940	FT			
2 SDR21 CL200 PVC BE PIPE	500	FT			
1-1/2 SDR21 CL200 PVC BE PIPE	880	FT			
1 SDR21 CL200 PVC BE PIPE	980	FT			
<b>TRACER WIRE</b>					
PE WIRE 14 AWG BLK X 500	3340	Linear Ft			
<b>VALVES</b>					
<b>3"PEB</b>					
3 CONTROL VLV SCRUBBER BRS 300BPES	4	EA			
4X4X3 PVC S40 SXSXS TEE	4	EA			
3X6 PVC S80 TOE PIPE NIP	4	EA			
3 PVC S40 SXS 90 ELL	4	EA			
3X4 PVC S80 TOE PIPE NIP	8	EA			
*NP 3 BRZ 200# WOG IPS NRS GA	4	EA			
3X6 PVC S80 NIP	4	EA			
3 PVC S40 SXS UNION BUNA	4	EA			
4X3 PVC S40 SPXSLIP BUSH	1	EA			
4 PVC S40 SXS COUP	1	EA			
FD101 TURF FIELD DECODER GRAY	4	EA			
JMBO VLV BX W/ GREEN LID	4	EA			
JMBO VLV BX EXT X 6	4	EA			
<b>2" PESB</b>					
2 CONTROL VLV SCRUBBER 200PESB	4	EA			
2X6 PVC S80 TOE PIPE NIP	4	EA			
4X4X2 PVC S40 SXSXS TEE	4	EA			
2 PVC S40 SXS 90 ELL	4	EA			
2X4 PVC S80 TOE PIPE NIP	8	EA			
*NP 2 BRZ 200# WOG IPS NRS GA	4	EA			
2X6 PVC S80 NIP	4	EA			

2 PVC S40 SXS UNION BUNA	4	EA			
3X2 PVC S40 SPXSLIP BUSH	4	EA			
3 PVC S40 SXS COUP	4	EA			
JMBO VLV BX W/ GREEN LID	4	EA			
JMBO VLV BX EXT X 6	4	EA			
FD101 TURF FIELD DECODER GRAY	4	EA			
<b>Total for Section 7</b> <b>(Enter price on Price Bid Schedule on page17)</b>					

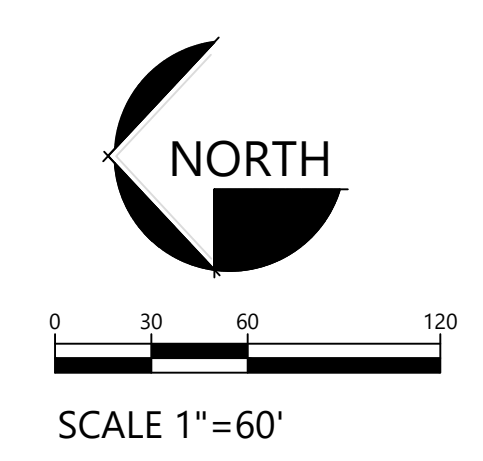
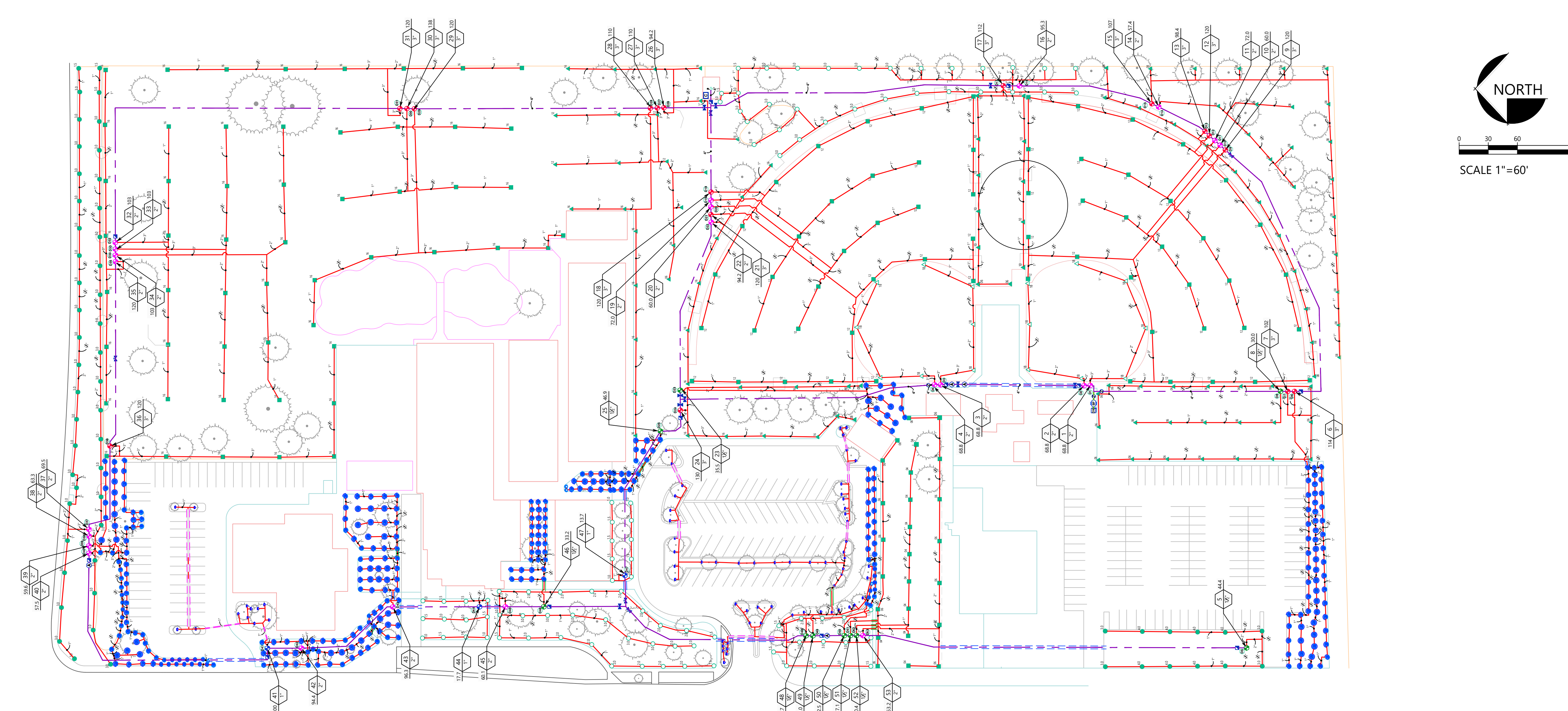


## Section 8 – Directional Boring

Directional Boring prices shall include installation of all sleeves under impermeable surfaces.  
**Include separate costs for each page of the irrigation design, IR-1 through IR-7.**

		<b>Duration of Work</b>	<b>Safety Closure</b>
Directional Boring cost for page IR-1:	\$ _____	_____	_____
Directional Boring cost for page IR-2:	\$ _____	_____	_____
Directional Boring cost for page IR-3:	\$ _____	_____	_____
Directional Boring cost for page IR-4:	\$ _____	_____	_____
Directional Boring cost for page IR-5:	\$ _____	_____	_____
Directional Boring cost for page IR-6:	\$ _____	_____	_____
Directional Boring cost for page IR-7:	\$ _____	_____	_____
<b>Grand Total for Directional Boring:</b>	<b>\$ _____</b>		
(Enter Grand Total on page 17, Price Bid Schedule)			

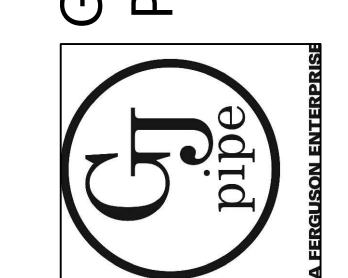
**State duration of necessary closure for each Section above.**



Revisions:		
Date	Notes	Designer
07/12/2021		BGV

**POMONA PARK**  
588 25-1/2 RD  
GRAND JUNCTION, COLORADO

Project Title:  
**Grand Junction  
Pipe & Supply**  
Main Branch  
2868 I-70 Bus. Loop  
Grand Jct, CO 81501  
(970) 243-4604



Job Status:  
 PRELIMINARY  
 FINAL DESIGN  
 PERMIT  
 CONSTRUCTION  
 AS-BUILDS  
 Drawn By: **B.G.V.**

Designed By: **B.G.V.**

Checked By: **B.G.V.**

Design Date: **07-01-2021**

Drawing Number: **2021-0028**

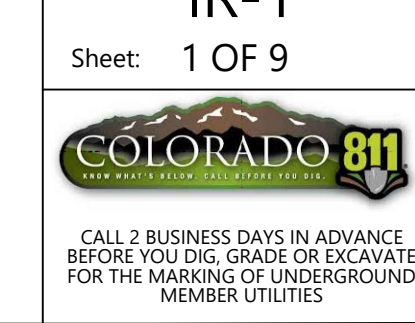
File Name: **2021-0028.DWG**

Drawing Scale: **1"=60'**

SHEET TITLE: **Irrigation Plan**

Sheet No. **IR-1**

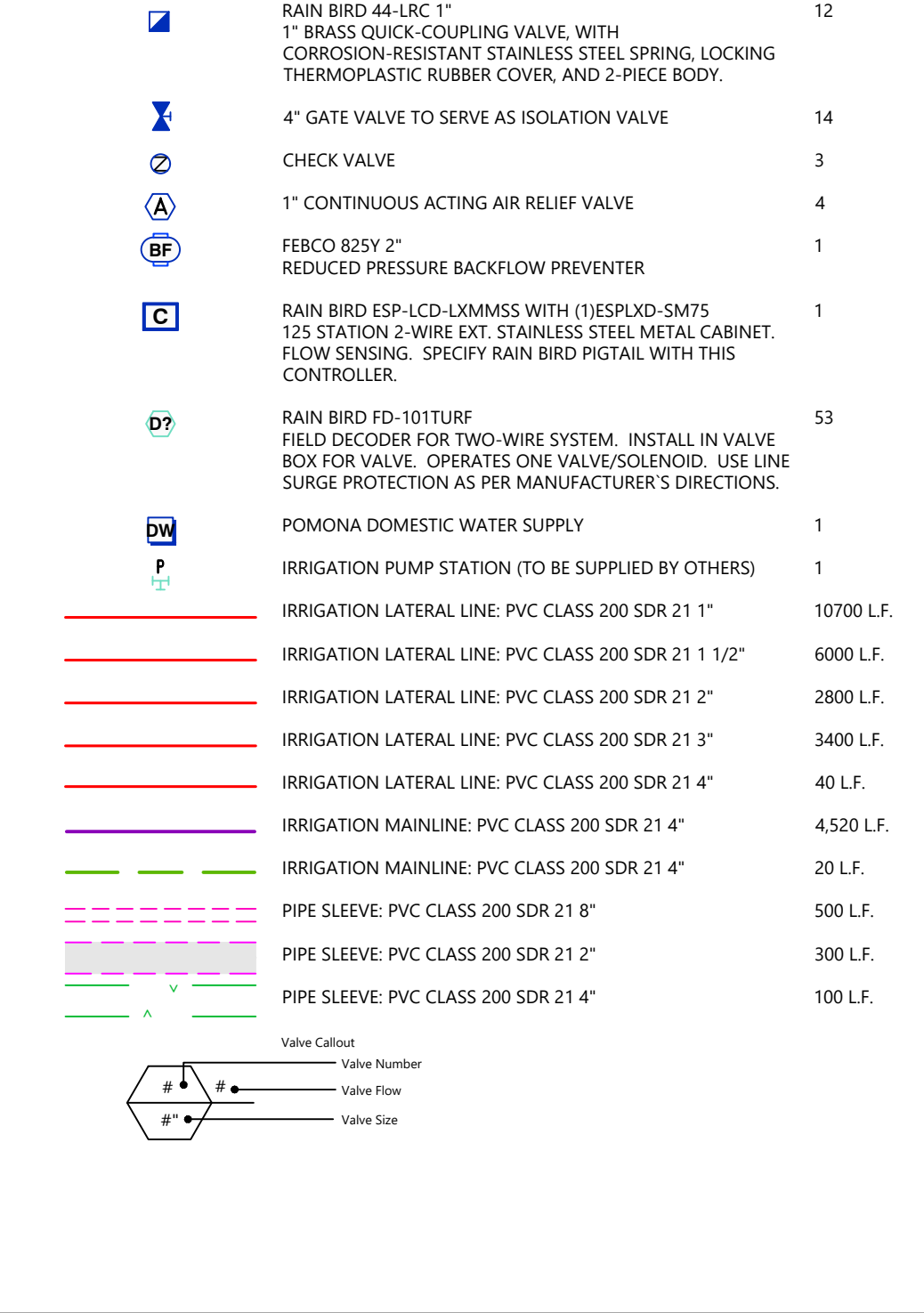
Sheet **1 OF 9**

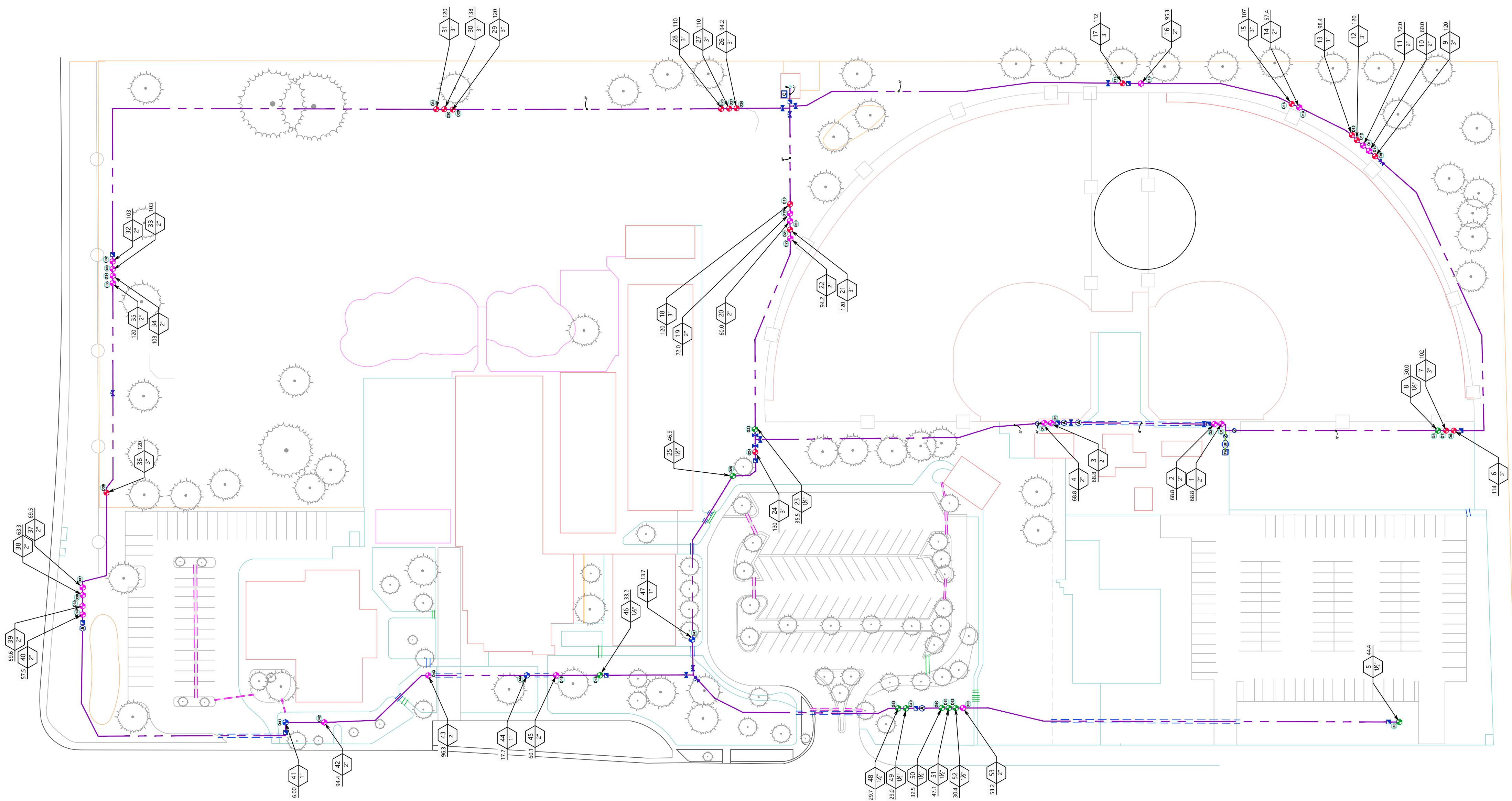


**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	ARC	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
●	RAIN BIRD 1806-PRS 8 SERIES MPR TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2" NPT FEMALE THREADED INLET, PRESSURE REGULATING.	15	180	●	RAIN BIRD 1806-PRS VAN SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2" NPT FEMALE THREADED INLET, PRESSURE REGULATING.	10	ADJ	○	RAIN BIRD 5006-PL-PC, FC-SS-LA TURF ROTOR, 6.0" POP-UP, STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH LOW ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE.	40	▲	RAIN BIRD F4-PC, FC-SS TURF ROTOR, 4.0" POP-UP, STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1" FEMALE THREADED INLET.	34
●	RAIN BIRD 1806-PRS 10 SERIES MPR TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2" NPT FEMALE THREADED INLET, PRESSURE REGULATING.	16	360	●	RAIN BIRD 1806-PRS VAN SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2" NPT FEMALE THREADED INLET, PRESSURE REGULATING.	12	ADJ	●	RAIN BIRD 8005-SS TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE, WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE, 1" (26/34) NPT FEMALE THREADED INLET, EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	10	▲	RAIN BIRD F4-PC, FC-SS TURF ROTOR, 4.0" POP-UP, STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1" FEMALE THREADED INLET.	10
●	RAIN BIRD 1806-PRS 12 SERIES MPR TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2" NPT FEMALE THREADED INLET, PRESSURE REGULATING.	23	360	●	RAIN BIRD 1806-PRS VAN SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2" NPT FEMALE THREADED INLET, PRESSURE REGULATING.	24	ADJ	●	RAIN BIRD 8005-SS TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE, WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE, 1" (26/34) NPT FEMALE THREADED INLET, EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	13	▲	RAIN BIRD F4-PC, FC-SS TURF ROTOR, 4.0" POP-UP, STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1" FEMALE THREADED INLET.	8
●	RAIN BIRD 1806-PRS 15 SERIES MPR TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2" NPT FEMALE THREADED INLET, PRESSURE REGULATING.	38	360	●	RAIN BIRD 1806-PRS WITH-PCN 50 FLOOD BUBBLER 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2" NPT FEMALE THREADED INLET, PRESSURE REGULATING.	70	360	●	RAIN BIRD 8005-SS TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE, WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE, 1" (26/34) NPT FEMALE THREADED INLET, EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	62	▲	RAIN BIRD F4-PC, FC-SS TURF ROTOR, 4.0" POP-UP, STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1" FEMALE THREADED INLET.	26
●	RAIN BIRD 1806-PRS VAN SERIES TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, SIDE AND BOTTOM INLET, 1/2" NPT FEMALE THREADED INLET, PRESSURE REGULATING.	11	ADJ	●	RAIN BIRD 5006-PL-PC, FC-SS TURF ROTOR, 6.0" POP-UP WITH STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, STANDARD ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE.	2		●	RAIN BIRD 8005-SS (2) TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE, WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE, 1" (26/34) NPT FEMALE THREADED INLET, EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	2	▲	RAIN BIRD F4-PC, FC-SS-HS TURF ROTOR, 4.0" POP-UP, STAINLESS STEEL RISER, HIGH SPEED ROTATION, ADJUSTABLE AND FULL CIRCLE, WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1" FEMALE THREADED INLET.	16
				●	RAIN BIRD 5006-PL-PC, FC-SS TURF ROTOR, 6.0" POP-UP WITH STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, STANDARD ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE.	46		●	RAIN BIRD 8005-SS (2) TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE, WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE, 1" (26/34) NPT FEMALE THREADED INLET, EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	2	▲	RAIN BIRD F4-PC, FC-SS TURF ROTOR, 4.0" POP-UP, STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1" FEMALE THREADED INLET.	17
				●	RAIN BIRD 5006-PL-PC, FC-R-SS TURF ROTOR, 6.0" POP-UP WITH STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH LOW ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE.	8		●	RAIN BIRD 8005-SS (2) TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE, WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE, 1" (26/34) NPT FEMALE THREADED INLET, EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	26	▲	RAIN BIRD P5B 2" ELECTRIC SCRUBBER VALVE 1" 1-1/2" 2" PLASTIC INDUSTRIAL VALVES, LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.	23
				●	RAIN BIRD 5006-PL-PC, FC-R-SS-LA TURF ROTOR, 6.0" POP-UP WITH STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH LOW ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE.	8		●	RAIN BIRD 8005-SS TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE, WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE, 1" (26/34) NPT FEMALE THREADED INLET, EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	28	▲	RAIN BIRD P5B 1" ELECTRIC SCRUBBER VALVE 1" 1-1/2" 2" PLASTIC INDUSTRIAL VALVES, LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.	10
				●	RAIN BIRD 5006-PL-PC, FC-SS-LA TURF ROTOR, 6.0" POP-UP WITH STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH LOW ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE.	22		●	RAIN BIRD 8005-SS TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE, WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE, 1" (26/34) NPT FEMALE THREADED INLET, EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	25	▲	RAIN BIRD P5B 1" ELECTRIC SCRUBBER VALVE 1" 1-1/2" 2" PLASTIC INDUSTRIAL VALVES, LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.	3
				●	RAIN BIRD 5006-PL-PC, FC-R-SS-LA TURF ROTOR, 6.0" POP-UP WITH STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH LOW ANGLE NOZZLE, IN-STEM PRESSURE REGULATOR, AND FLOW SHUT-OFF DEVICE.	25		●	RAIN BIRD F4-PC, FC-SS TURF ROTOR, 4.0" POP-UP, STAINLESS STEEL RISER, ADJUSTABLE AND FULL CIRCLE, WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1" FEMALE THREADED INLET.	26	▲		

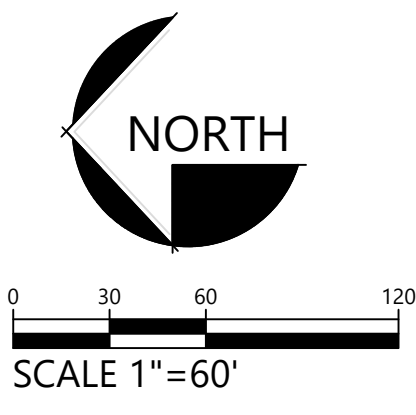
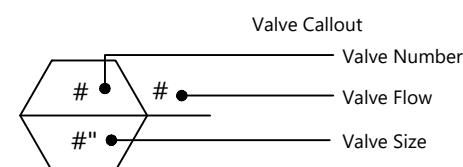
ALL LATERALS TO BE 1" CL200 PVC EXCEPT WHERE NOTED





**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL	QTY	SYMBOL	MANUFACTURER/MODEL	QTY
	RAIN BIRD 300-BPE GLOBE 3"	17		IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	10,600 L.F.
	RAIN BIRD PESB-150 1-1/2"	10		IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	5,100 L.F.
	RAIN BIRD PESB-100-D 1"	3		IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	2,800 L.F.
	RAIN BIRD PESB-200-D 2"	23		IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	3,480 L.F.
	RAIN BIRD 44-LRC 1"	12		IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 4"	40 L.F.
	4" GATE VALVE TO SERVE AS ISOLATION VALVE	14		IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 4"	4,460 L.F.
	CHECK VALVE	3		IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 4"	20 L.F.
	1" CONTINUOUS ACTING AIR RELIEF VALVE	4		PIPE SLEEVE: PVC CLASS 200 SDR 21 8"	500 L.F.
	FEBCO 825Y 2"	1		PIPE SLEEVE: PVC CLASS 200 SDR 21 2"	300 L.F.
	RAIN BIRD ESP-LCD-LXMMSS WITH (1)ESPLXD-SM75	1		PIPE SLEEVE: PVC CLASS 200 SDR 21 4"	100 L.F.
	RAIN BIRD FD-101TURF	53			
	WATER METER 2"	1			
	IRRIGATION PUMP STATION	1			



ALL LATERALS TO BE 1" CL200 PVC EXCEPT WHERE NOTED

Revisions:		Designer
Date	Notes	
07/12/2021		BGV

Project Title:  
**POMONA PARK**  
 588 25-1/2 RD  
 GRAND JUNCTION, COLORADO

Grand Junction  
 Pipe & Supply  
 Main Branch  
 2868 I-70 Bus. Loop  
 Grand Jct, CO 81501  
 (970) 243-4604

Job Status:  
 PRELIMINARY  
 FINAL DESIGN  
 FOR PERMIT  
 CONSTRUCTION  
 AS-BUILDS

Drawn By:  
 B.G.V.

Designed By:  
 B.G.V.

Checked By:  
 B.G.V.

Design Date:  
 07-01-2021

Drawing Number:  
 2021-0028

File Name:  
 2021-0028.DWG

Drawing Scale:  
 1"=60'

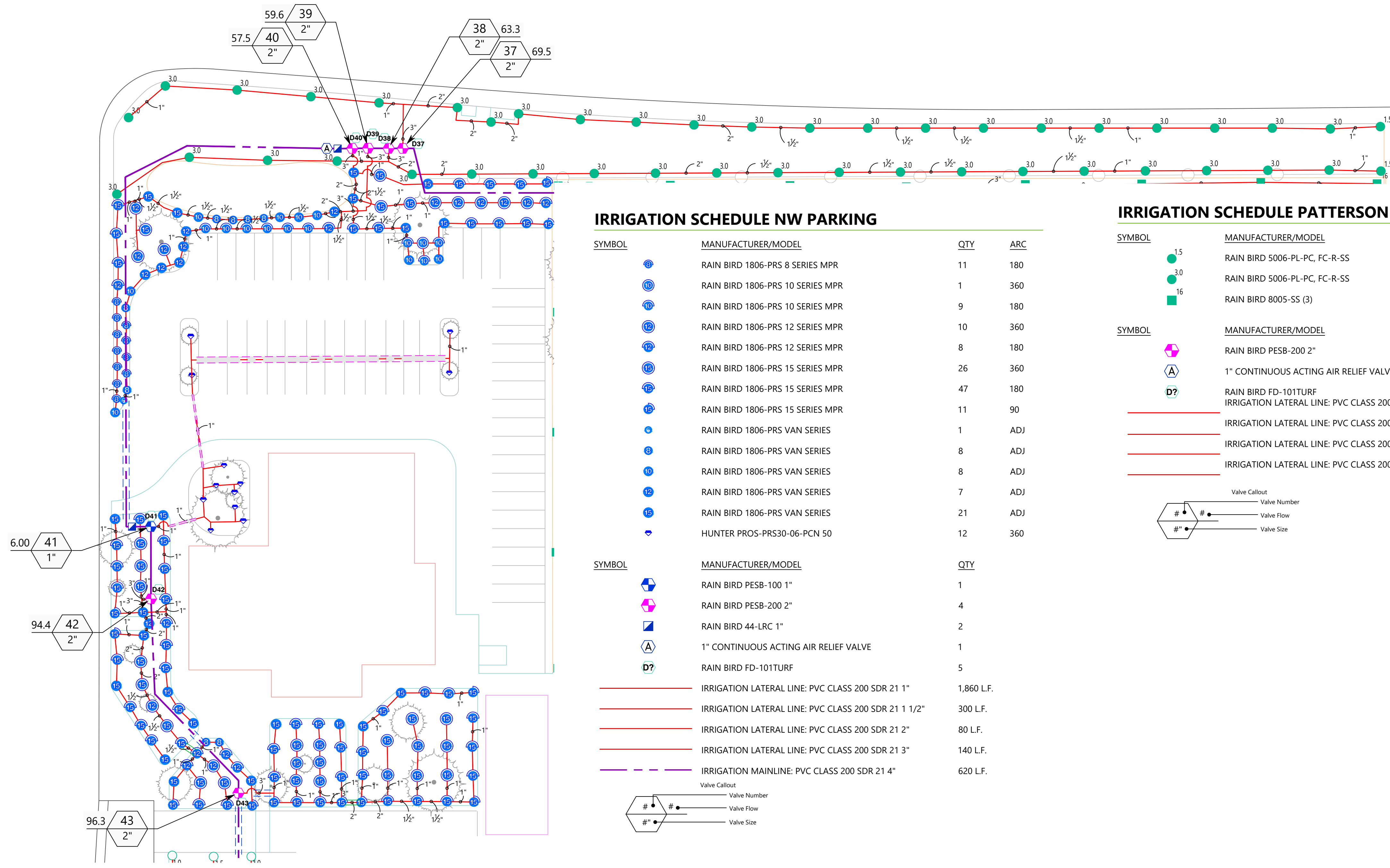
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**Main Line Irrigation Plan**

Sheet No.  
 IR-2

Sheet  
 2 OF 9

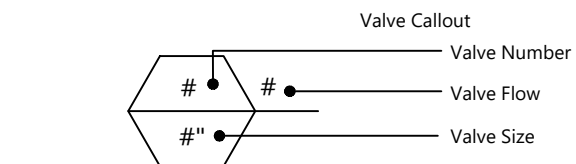
CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

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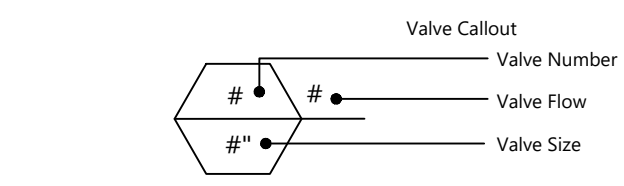
**IRRIGATION SCHEDULE NW PARKING**

SYMBOL	MANUFACTURER/MODEL	QTY	ARC
⊗	RAIN BIRD 1806-PRS 8 SERIES MPR	11	180
⊗	RAIN BIRD 1806-PRS 10 SERIES MPR	1	360
⊗	RAIN BIRD 1806-PRS 10 SERIES MPR	9	180
⊗	RAIN BIRD 1806-PRS 12 SERIES MPR	10	360
⊗	RAIN BIRD 1806-PRS 12 SERIES MPR	8	180
⊗	RAIN BIRD 1806-PRS 15 SERIES MPR	26	360
⊗	RAIN BIRD 1806-PRS 15 SERIES MPR	47	180
⊗	RAIN BIRD 1806-PRS 15 SERIES MPR	11	90
⊗	RAIN BIRD 1806-PRS VAN SERIES	1	ADJ
⊗	RAIN BIRD 1806-PRS VAN SERIES	8	ADJ
⊗	RAIN BIRD 1806-PRS VAN SERIES	8	ADJ
⊗	RAIN BIRD 1806-PRS VAN SERIES	7	ADJ
⊗	RAIN BIRD 1806-PRS VAN SERIES	21	ADJ
⊗	HUNTER PROS-PRS30-06-PCN 50	12	360
⊗	RAIN BIRD PESB-100 1"	1	
⊗	RAIN BIRD PESB-200 2"	4	
⊗	RAIN BIRD 44-LRC 1"	2	
⊗	1" CONTINUOUS ACTING AIR RELIEF VALVE	1	
⊗	RAIN BIRD FD-101TURF	5	
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	1,860 L.F.	
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	300 L.F.	
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	80 L.F.	
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	140 L.F.	
—	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 4"	620 L.F.	



**IRRIGATION SCHEDULE PATTERSON ROAD FRONTAGE**

SYMBOL	MANUFACTURER/MODEL	QTY
●	RAIN BIRD 5006-PL-PC, FC-R-SS	2
●	RAIN BIRD 5006-PL-PC, FC-R-SS	42
■	RAIN BIRD 8005-SS (3)	1
⊗	RAIN BIRD PESB-200 2"	2
⊗	1" CONTINUOUS ACTING AIR RELIEF VALVE	1
⊗	RAIN BIRD FD-101TURF	2
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	580.1 L.F.
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	360 L.F.
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	360 L.F.
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	40 L.F.



Date	Revisions: Notes	Designer
07/12/2021		BGV

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**POMONA PARK**  
 588 25-1/2 RD  
 GRAND JUNCTION, COLORADO

Project Title:

**Grand Junction Pipe & Supply**  
 Main Branch  
 2868 I-70 Bus. Loop  
 Grand Jct, CO 81501  
 (970) 243-4604

Job Status:

- PRELIMINARY
- FINAL DESIGN FOR PERMIT
- CONSTRUCTION
- AS-BUILDS

Drawn By: **B.G.V.**

Designed By: **B.G.V.**

Checked By: **B.G.V.**

Design Date: **07-01-2021**

Drawing Number: **2021-0028**

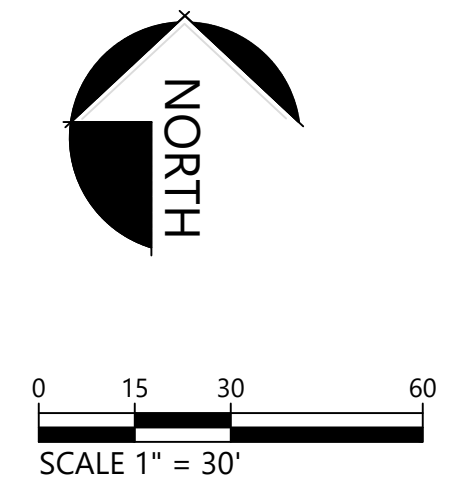
File Name: **2021-0028.DWG**

Drawing Scale: **1"=30'**

SHEET TITLE: **Irrigation Plan**

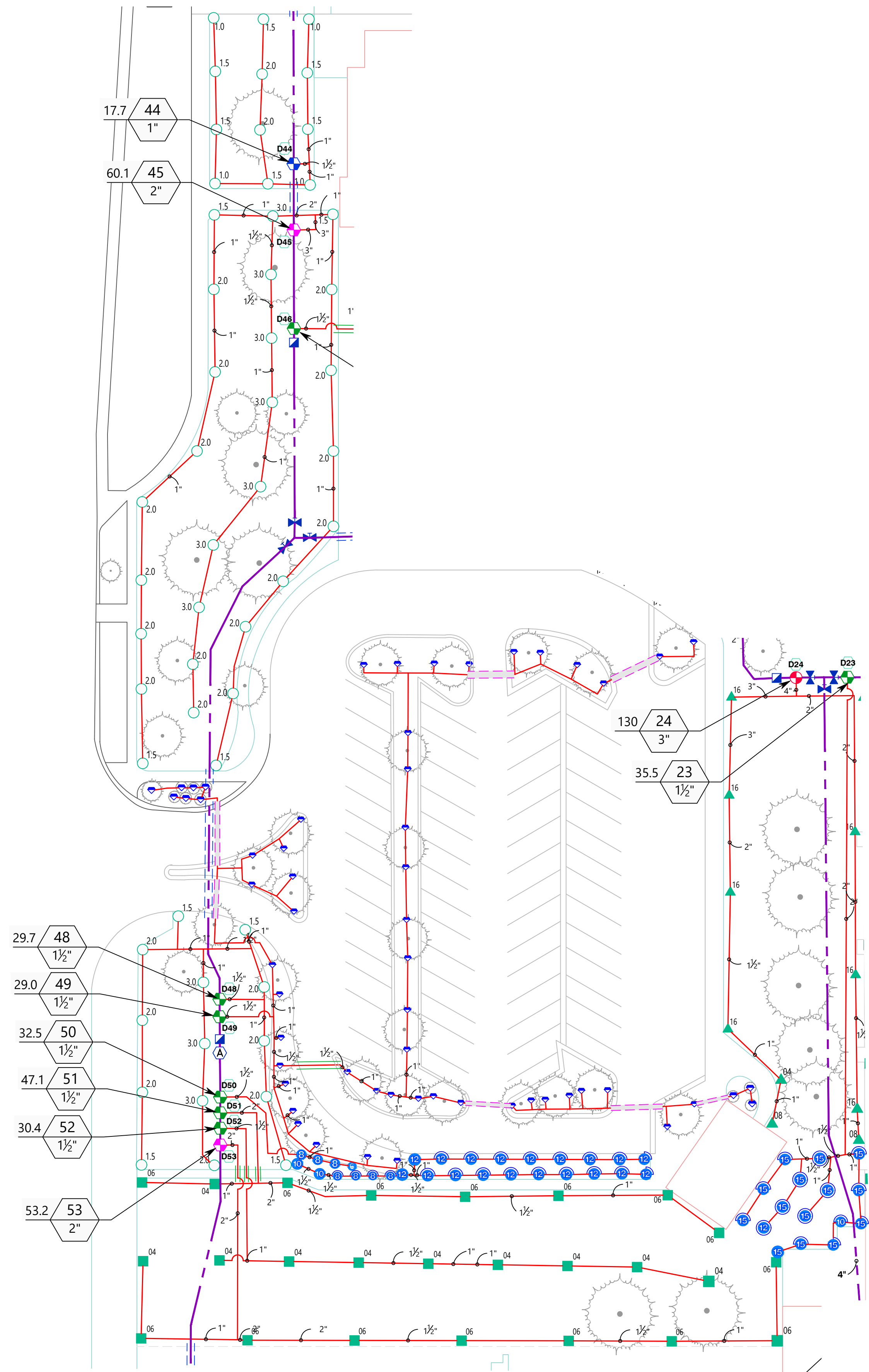
Sheet No. **IR-3**  
 Sheet: **3 OF 9**

CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES



**ALL LATERALS TO BE 1" CL200 PVC EXCEPT WHERE NOTED**

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### IRRIGATION SCHEDULE CENTER PARKING AND BUS TURN AROUND

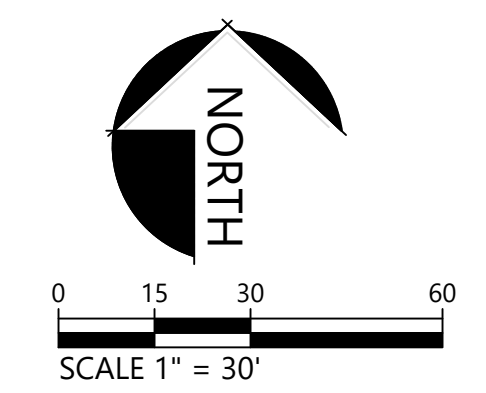
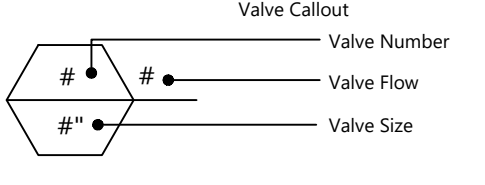
SYMBOL	MANUFACTURER/MODEL	QTY	ARC
	RAIN BIRD 1806-PRS 8 SERIES MPR	4	180
	RAIN BIRD 1806-PRS 10 SERIES MPR	1	180
	RAIN BIRD 1806-PRS 12 SERIES MPR	1	360
	RAIN BIRD 1806-PRS 12 SERIES MPR	15	180
	RAIN BIRD 1806-PRS 12 SERIES MPR	2	90
	RAIN BIRD 1806-PRS 15 SERIES MPR	5	360
	RAIN BIRD 1806-PRS 15 SERIES MPR	6	180
	RAIN BIRD 1806-PRS 15 SERIES MPR	2	90
	RAIN BIRD 1806-PRS VAN SERIES	1	ADJ
	RAIN BIRD 1806-PRS VAN SERIES	3	ADJ
	RAIN BIRD 1806-PRS VAN SERIES	2	ADJ
	RAIN BIRD 1806-PRS VAN SERIES	2	ADJ
	RAIN BIRD 1806-PRS VAN SERIES	1	ADJ
	RAIN BIRD 1806-PRS VAN SERIES	58	360
	HUNTER PROS-PRS30-06-PCN 50		

SYMBOL	MANUFACTURER/MODEL	QTY
	RAIN BIRD 5006-PL-PC, FC-R-SS-LA	4
	RAIN BIRD 5006-PL-PC, FC-R-SS-LA	14
	RAIN BIRD 5006-PL-PC, FC-R-SS-LA	25
	RAIN BIRD 5006-PL-PC, FC-R-SS-LA	10
	RAIN BIRD 8005-SS	10
	RAIN BIRD 8005-SS	13
	RAIN BIRD 8005-SS (2)	2
	RAIN BIRD F4-PC, FC-SS	1
	RAIN BIRD F4-PC, FC-SS	2
	RAIN BIRD F4-PC, FC-SS	7

SYMBOL	MANUFACTURER/MODEL	QTY
	RAIN BIRD 300-BPE GLOBE 3"	1
	RAIN BIRD PESB-150 1-1/2"	6
	RAIN BIRD PESB-100 1"	1
	RAIN BIRD PESB-200 2"	2
	RAIN BIRD 44-LRC 1"	3
	4" GATE VALVE TO SERVE AS ISOLATION VALVE	6
	1" CONTINUOUS ACTING AIR RELIEF VALVE	1
	RAIN BIRD FD-101TURF	10
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	3,020 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	800.1 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	580 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	100 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 4"	20 L.F.



ALL LATERALS TO BE 1" CL200 PVC EXCEPT WHERE NOTED

Revisions:		
Date	Notes	Designer
07/12/2021		BGV

**POMONA PARK**  
 588 25-1/2 RD  
 GRAND JUNCTION, COLORADO

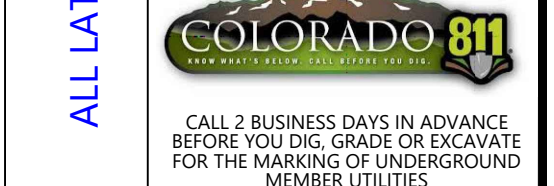
Project Title:  
**Grand Junction Pipe & Supply**  
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 Grand Jct, CO 81501  
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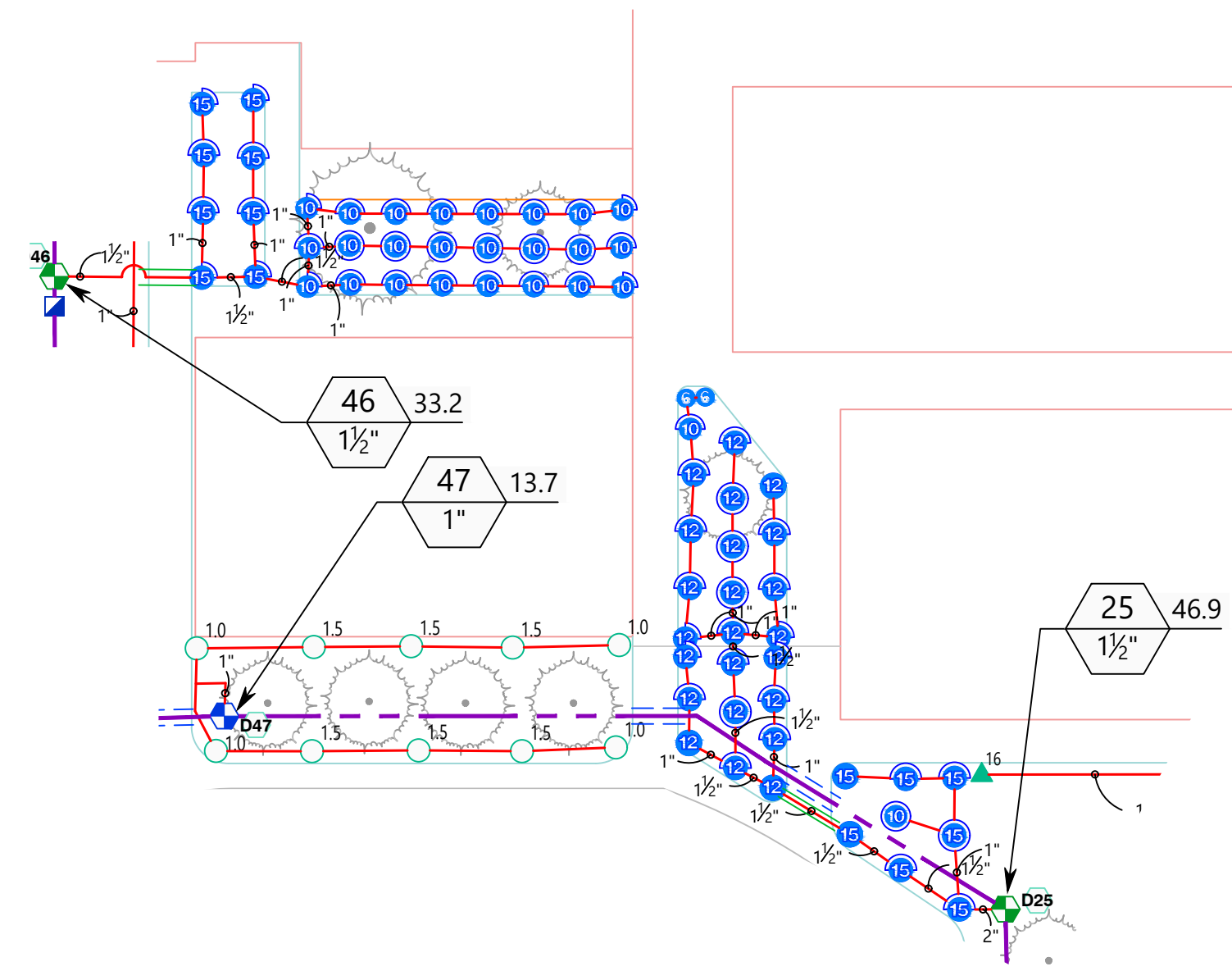
Job Status:  
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Drawn By: **B.G.V.**  
 Designed By: **B.G.V.**  
 Checked By: **B.G.V.**  
 Design Date: **07-01-2021**  
 Drawing Number: **2021-0028**  
 File Name: **2021-0028.DWG**  
 Drawing Scale: **1" = 30'**

SHEET TITLE:  
**Irrigation Plan**

Sheet No. **IR-4**  
 Sheet 4 OF 9



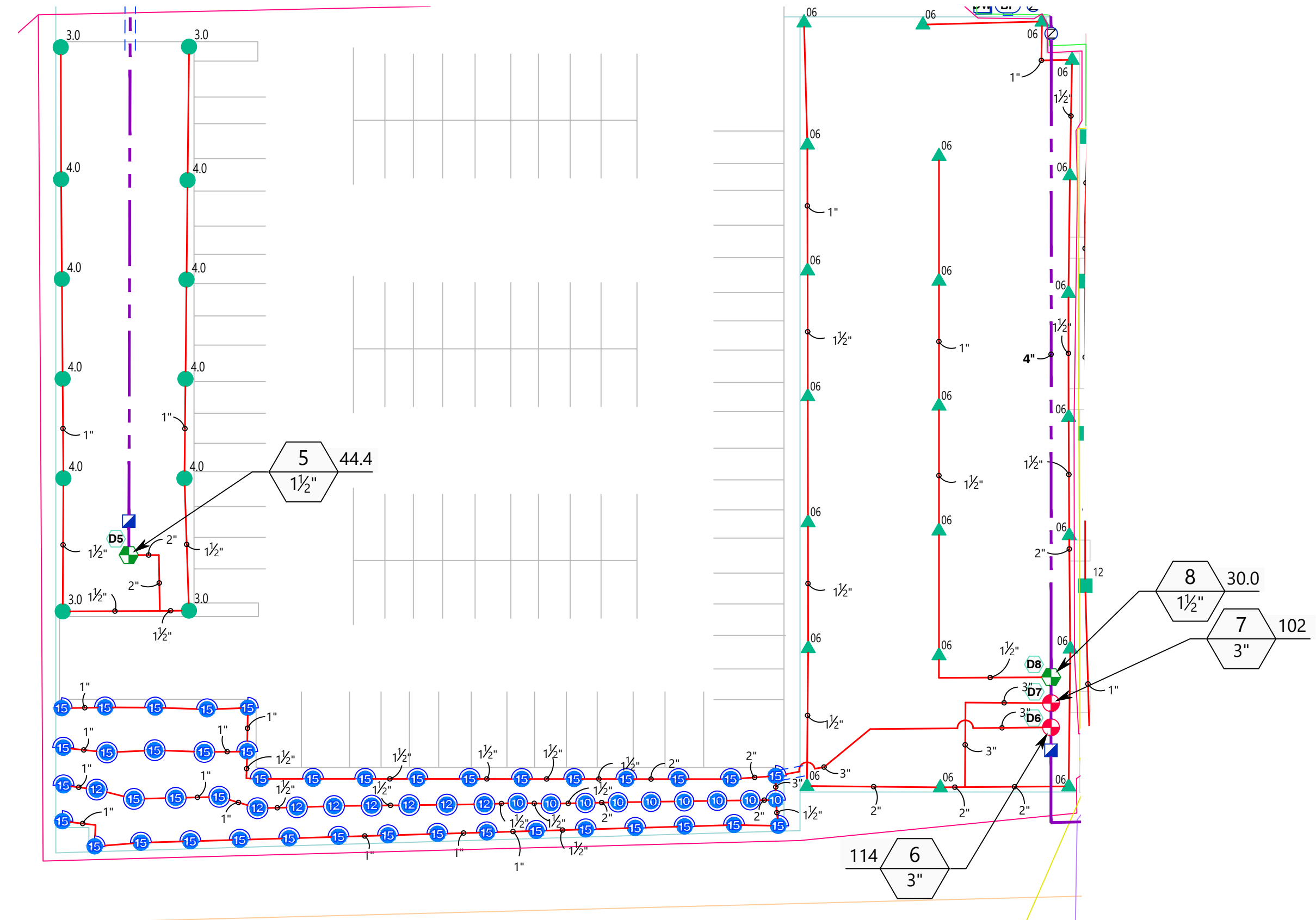
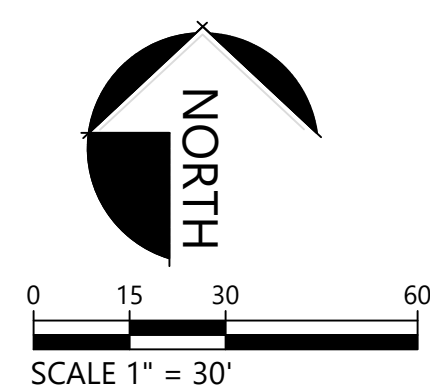
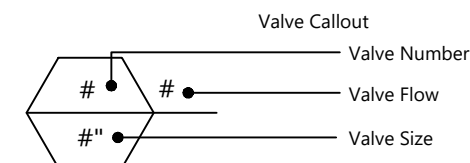


### IRRIGATION SCHEDULE INSIDE SCHOOL AREA

SYMBOL	MANUFACTURER/MODEL	QTY	ARC
Ⓜ	RAIN BIRD 1806-PRS 10 SERIES MPR	7	360
Ⓜ	RAIN BIRD 1806-PRS 10 SERIES MPR	15	180
Ⓜ	RAIN BIRD 1806-PRS 10 SERIES MPR	4	90
Ⓜ	RAIN BIRD 1806-PRS 12 SERIES MPR	4	360
Ⓜ	RAIN BIRD 1806-PRS 12 SERIES MPR	12	180
Ⓜ	RAIN BIRD 1806-PRS 12 SERIES MPR	4	90
Ⓜ	RAIN BIRD 1806-PRS 15 SERIES MPR	1	360
Ⓜ	RAIN BIRD 1806-PRS 15 SERIES MPR	8	180
Ⓜ	RAIN BIRD 1806-PRS 15 SERIES MPR	4	90
Ⓜ	RAIN BIRD 1806-PRS VAN SERIES	2	ADJ
Ⓜ	RAIN BIRD 1806-PRS VAN SERIES	3	ADJ
Ⓜ	RAIN BIRD 1806-PRS VAN SERIES	2	ADJ

SYMBOL	MANUFACTURER/MODEL	QTY
○ 1.0	RAIN BIRD 5006-PL-PC, FC-R-SS-LA	4
○ 1.5	RAIN BIRD 5006-PL-PC, FC-R-SS-LA	6
▲ 1.6	RAIN BIRD F4-PC, FC-SS	1

SYMBOL	MANUFACTURER/MODEL	QTY
⬆	RAIN BIRD PESB-150 1-1/2"	2
⬆	RAIN BIRD PESB-100 1"	1
⬆	RAIN BIRD 44-LRC 1"	1
Ⓜ?	RAIN BIRD FD-101TURF	3
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	800 L.F.
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	140 L.F.
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	20 L.F.

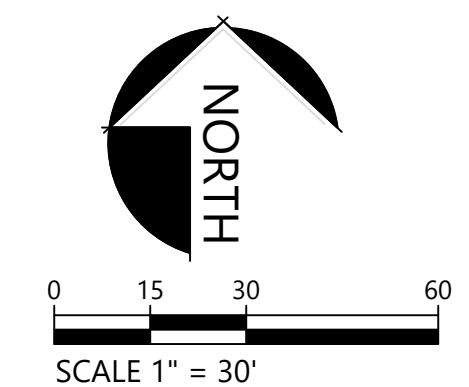
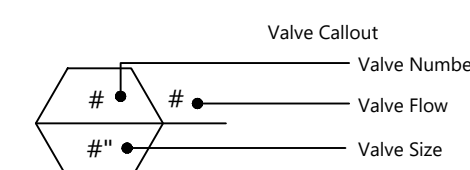


### IRRIGATION SCHEDULE SOUTH PARKING AND STRIP BETWEEN PARKING AND BALL FIELDS

SYMBOL	MANUFACTURER/MODEL	QTY	ARC
Ⓜ	RAIN BIRD 1806-PRS 10 SERIES MPR	8	360
Ⓜ	RAIN BIRD 1806-PRS 10 SERIES MPR	1	180
Ⓜ	RAIN BIRD 1806-PRS 12 SERIES MPR	8	360
Ⓜ	RAIN BIRD 1806-PRS 15 SERIES MPR	6	360
Ⓜ	RAIN BIRD 1806-PRS 15 SERIES MPR	29	180
Ⓜ	RAIN BIRD 1806-PRS 15 SERIES MPR	6	90

SYMBOL	MANUFACTURER/MODEL	QTY
○ 3.0	RAIN BIRD 5006-PL-PC, FC-R-SS	4
○ 4.0	RAIN BIRD 5006-PL-PC, FC-R-SS	8
▲ 0.6	RAIN BIRD F4-PC, FC-SS	22

SYMBOL	MANUFACTURER/MODEL	QTY
⊕	RAIN BIRD 300-BPE GLOBE 3"	2
⬆	RAIN BIRD PESB-150 1-1/2"	2
⬆	RAIN BIRD 44-LRC 1"	2
Ⓜ	CHECK VALVE	1
Ⓜ?	RAIN BIRD FD-101TURF	4
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	860 L.F.
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	860 L.F.
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	280 L.F.
—	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	160 L.F.



**ALL LATERALS TO BE 1" CL200 PVC EXCEPT WHERE NOTED**

Job Status:  
 PRELIMINARY DESIGN  
 FINAL DESIGN  
 FOR PERMIT  
 CONSTRUCTION  
 AS-BUILDS

Drawn By: **B.G.V.**

Designed By: **B.G.V.**

Checked By: **B.G.V.**

Design Date: **07-01-2021**

Drawing Number: **2021-0028**

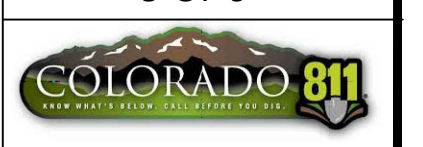
File Name: **2021-0028.DWG**

Drawing Scale: **1"=30'**

SHEET TITLE:  
**Irrigation Plan**

Sheet No. **IR-5**

Sheet 5 OF 9



CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

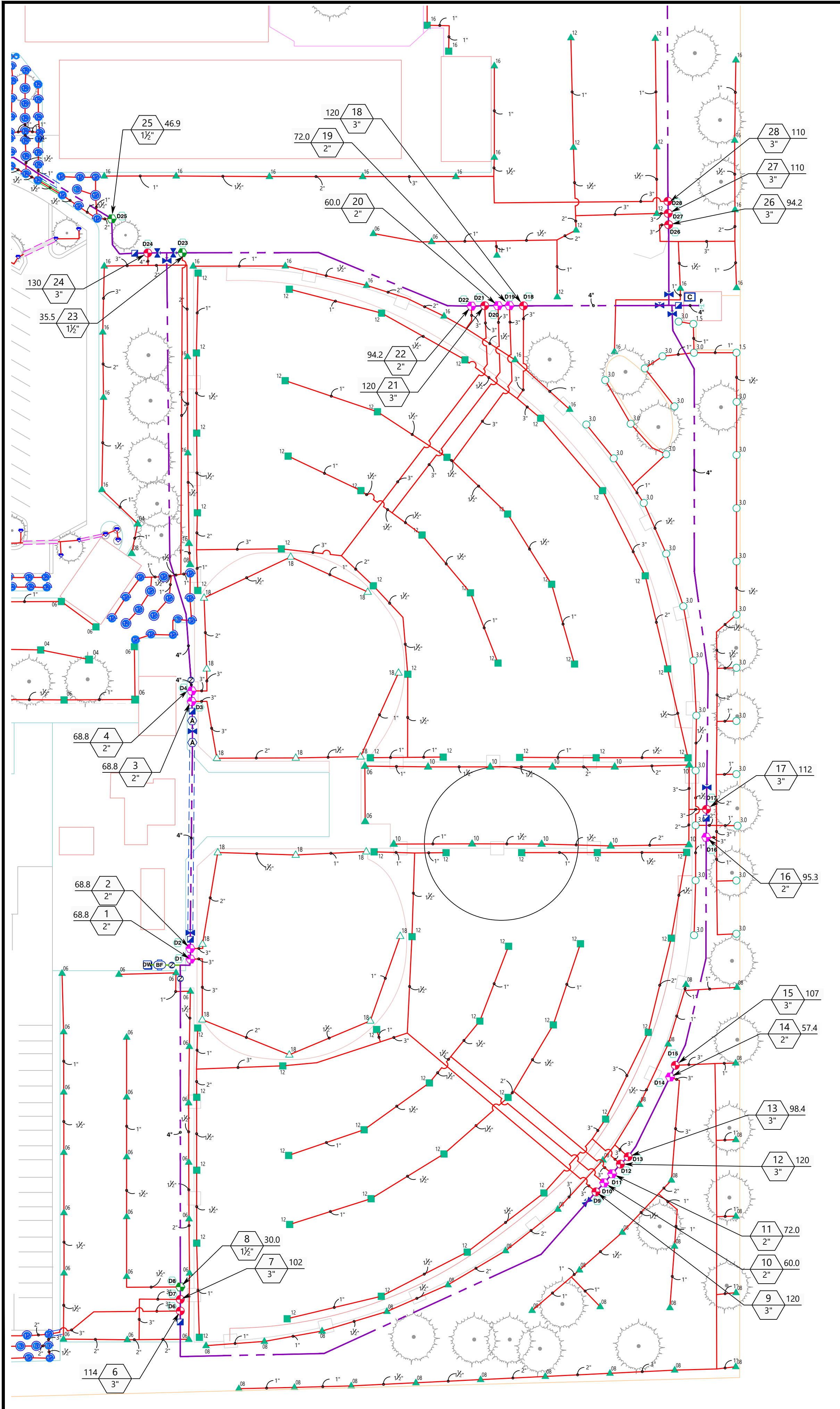
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Revisions:  
 Date: 07/12/2021  
 Notes: BGV  
 Designer: BGV

Project Title:  
**POMONA PARK**  
 588 25-1/2 RD  
 GRAND JUNCTION, COLORADO

Grand Junction Pipe & Supply  
 Main Branch  
 2868 I-70 Bus. Loop  
 Grand Jct, CO 81501  
 (970) 243-4604

Grand Junction Pipe & Supply  
 L.A. FERRUGIONI ENTERPRISES



**IRRIGATION SCHEDULE BALL FIELDS**

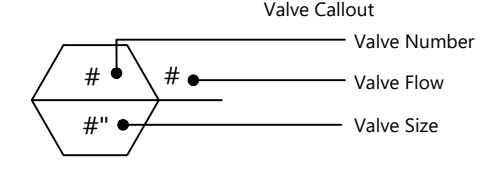
SYMBOL	MANUFACTURER/MODEL	QTY
	RAIN BIRD 8005-SS	62
	RAIN BIRD F4-PC, FC-SS	2
	RAIN BIRD F4-PC, FC-SS	10
	RAIN BIRD F4-PC, FC-SS	1

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD 300-BPE GLOBE 3"	3
	RAIN BIRD PESB-200 2"	2
	RAIN BIRD 44-LRC 1"	1
	RAIN BIRD FD-101TURF	5

	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	180 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	1,120 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	1,600 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	360 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	1,200 L.F.



**IRRIGATION SCHEDULE PARK AREA EAST AND NORTH OF BALL FIELDS**

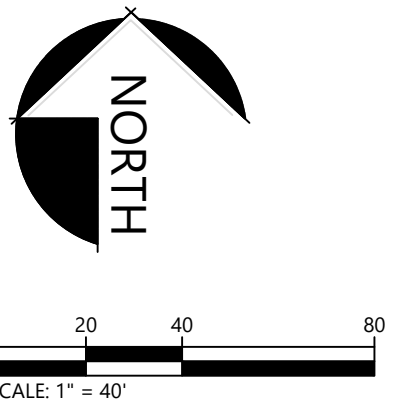
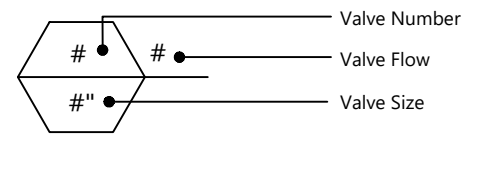
SYMBOL	MANUFACTURER/MODEL	QTY
	RAIN BIRD 5006-PL-PC, FC-R-SS-LA	2
	RAIN BIRD 5006-PL-PC, FC-R-SS-LA	30
	RAIN BIRD 8005-SS	1
	RAIN BIRD F4-PC, FC-SS	2
	RAIN BIRD F4-PC, FC-SS	32
	RAIN BIRD F4-PC, FC-SS	8
	RAIN BIRD F4-PC, FC-SS	19

SYMBOL	MANUFACTURER/MODEL	QTY
	RAIN BIRD 300-BPE GLOBE 3"	8
	RAIN BIRD PESB-200 2"	5
	RAIN BIRD 44-LRC 1"	2
	4" GATE VALVE TO SERVE AS ISOLATION VALVE	5
	RAIN BIRD ESP-LCD-LXMMSS WITH (1)ESPLXD-SM75	1
	RAIN BIRD FD-101TURF	13
	IRRIGATION PUMP STATION	1

	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	1,500 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	1,040L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	440 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	1,260 L.F.



**IRRIGATION SCHEDULE DOMESTIC DIRT INFIELDS**

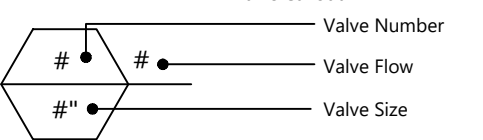
SYMBOL	MANUFACTURER/MODEL	QTY
	RAIN BIRD F4-PC, FC-SS	1
	RAIN BIRD F4-PC, FC-SS-HS	16

SYMBOL	MANUFACTURER/MODEL	QTY
	RAIN BIRD PESB-200 2"	4
	RAIN BIRD 44-LRC 1"	2
	4" GATE VALVE TO SERVE AS ISOLATION VALVE	2
	CHECK VALVE	3
	1" CONTINUOUS ACTING AIR RELIEF VALVE	2
	FEBCO 825Y 2"	1
	RAIN BIRD FD-101TURF	4
	WATER METER 2"	1

	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	220 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	220 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	220 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	140 L.F.



Date	Revisions: Notes Designer
07/12/2021	BGV

**POMONA PARK**  
588 25-1/2 RD  
GRAND JUNCTION, COLORADO

Grand Junction Pipe & Supply  
Main Branch  
2868 I-70 Bus. Loop  
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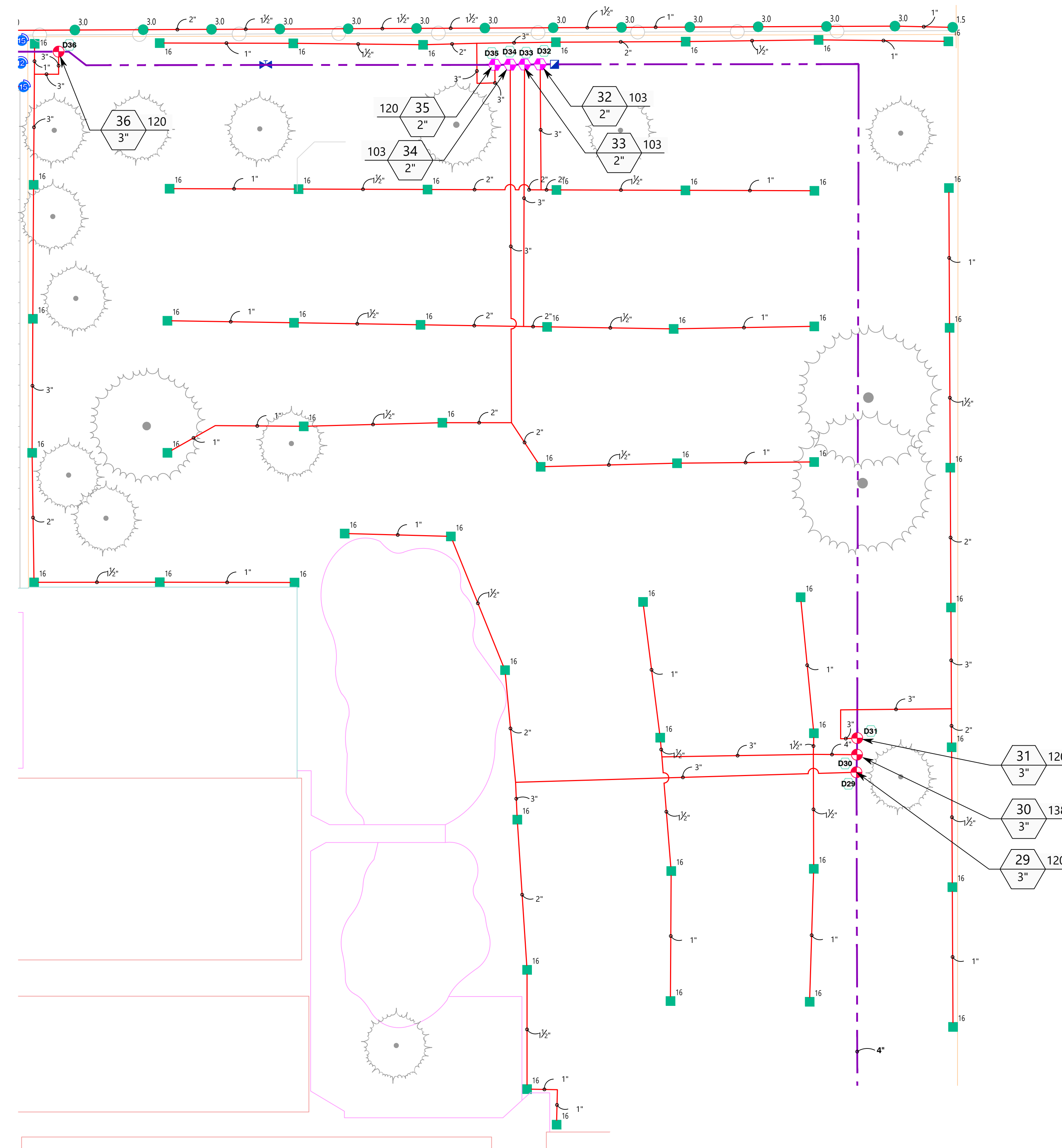
Drawn By:	B.G.V.
Designed By:	B.G.V.
Checked By:	B.G.V.
Design Date:	07-01-2021
Drawing Number:	2021-0028
File Name:	2021-0028.DWG
Drawing Scale:	1"=40'
SHEET TITLE:	IRRIGATION Plan
Sheet No.	IR-6
Sheet:	6 OF 9

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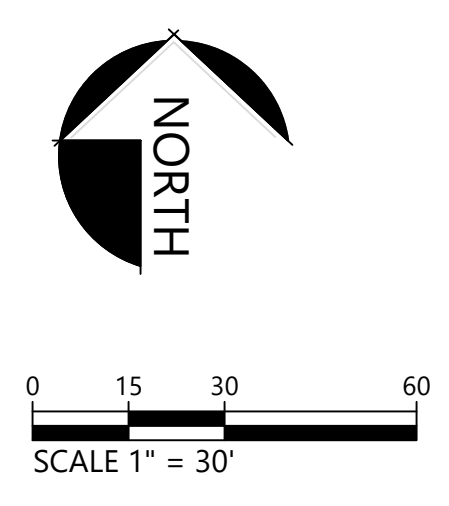
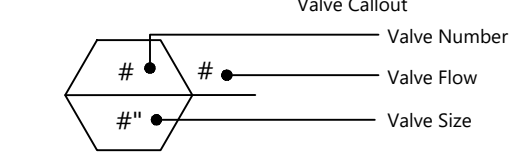
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**IRRIGATION SCHEDULE MAIN PARK AREA**

SYMBOL	MANUFACTURER/MODEL	QTY
■ 1/2"	RAIN BIRD 8005-SS (2)	26
■ 3/4"	RAIN BIRD 8005-SS (3)	28
SYMBOL	MANUFACTURER/MODEL	QTY
● 3"	RAIN BIRD 300-BPE GLOBE 3"	4
● 2"	RAIN BIRD PESB-200 2"	4
■ 1"	RAIN BIRD 44-LRC 1"	1
✕	4" GATE VALVE TO SERVE AS ISOLATION VALVE	1
D?	RAIN BIRD FD-101TURF	8
— (Red)	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	1000 L.F.
— (Red)	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	880 L.F.
— (Red)	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	520 L.F.
— (Red)	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3"	940 L.F.
— (Red)	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 4"	40 L.F.



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 Designed By: B.G.V.  
 Checked By: B.G.V.  
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 Drawing Scale: 1" = 30'

SHEET TITLE: Irrigation Plan

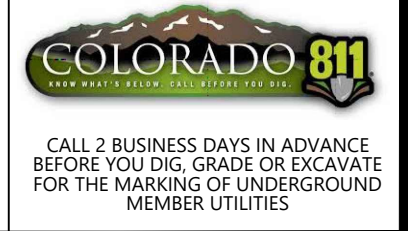
Sheet No. IR-7  
 Sheet 7 OF 9

Revisions:  
 Date Notes Designer  
 07/12/2021 BGV

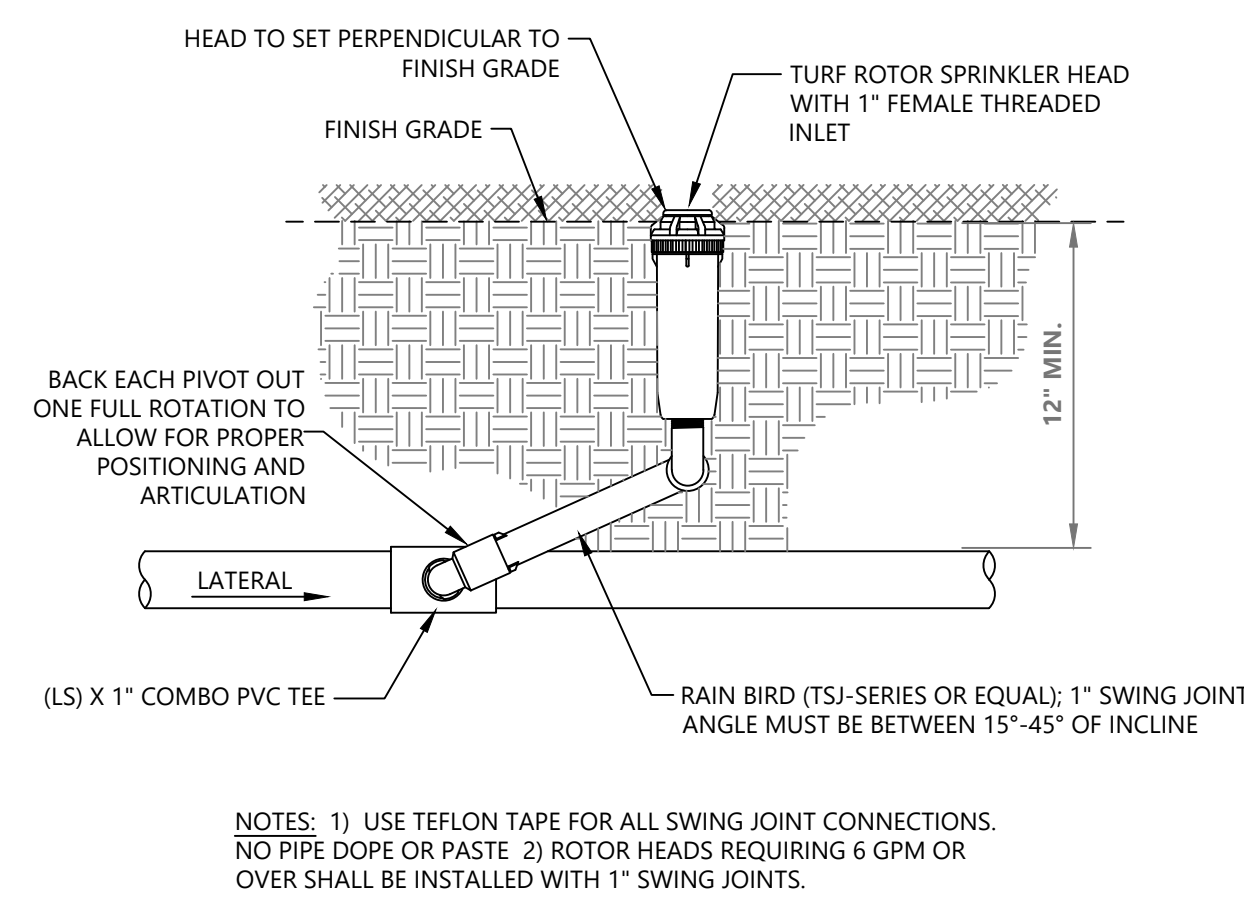
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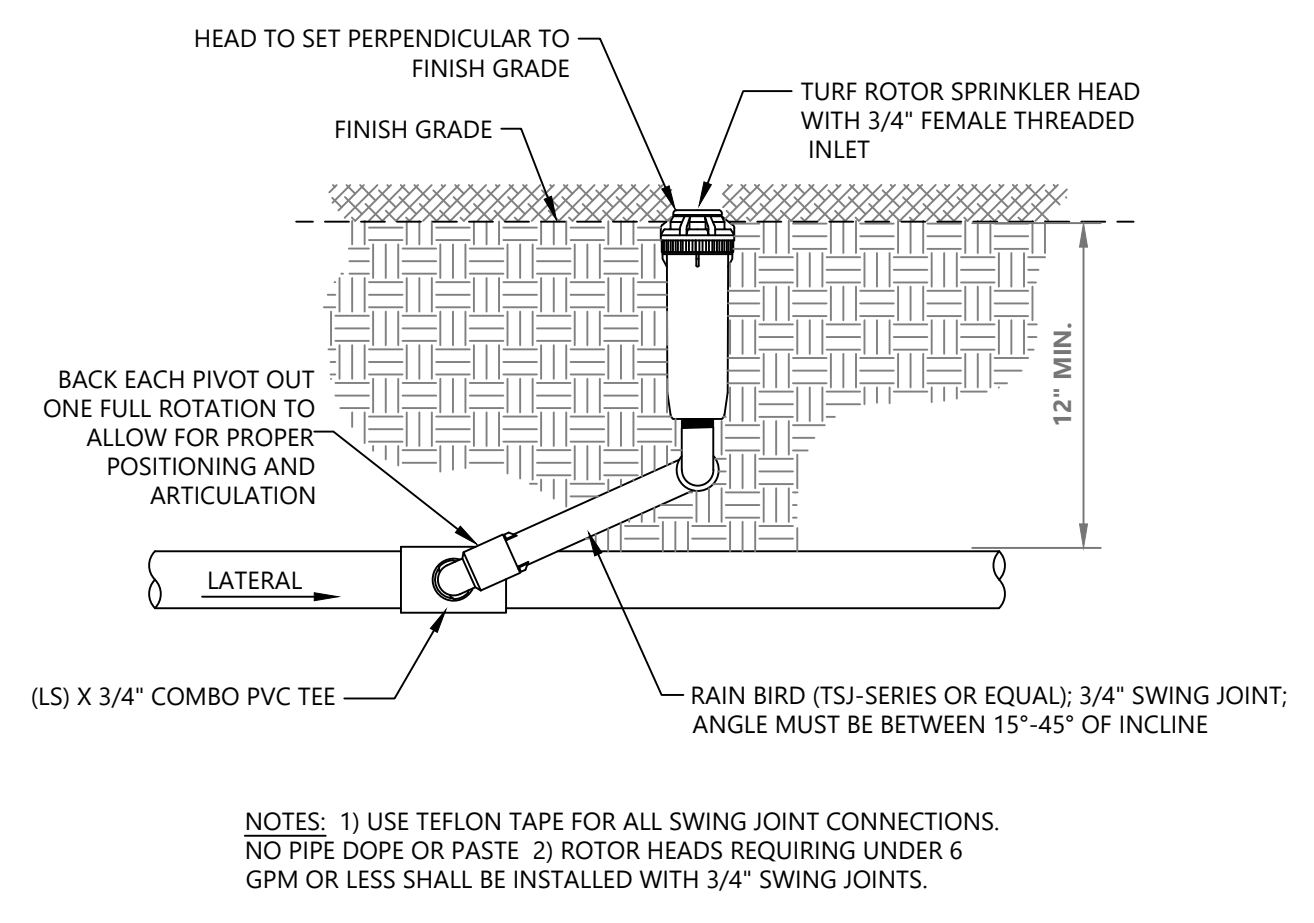
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 L.A. FERRUGLION ENTERPRISES



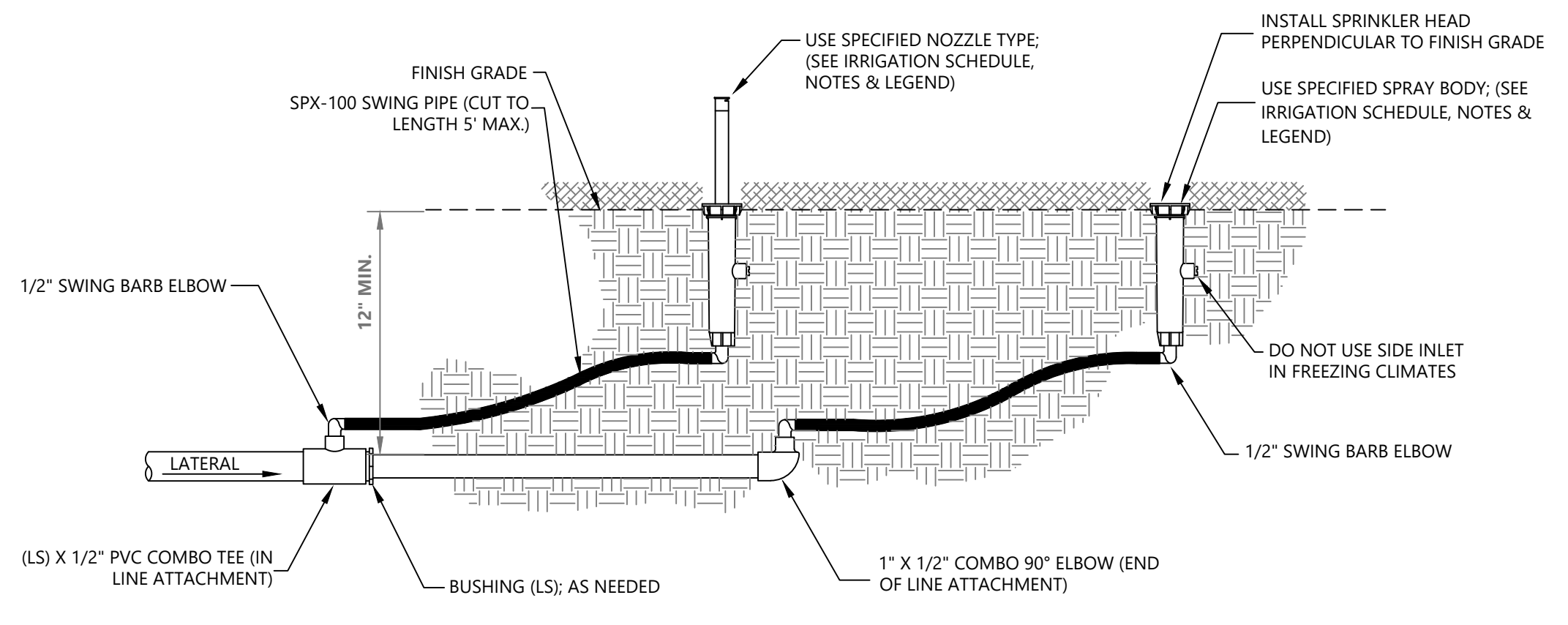




(VS)=VALVE SIZE (LS)=LATERAL SIZE (MS)=MAIN LINE SIZE



(VS)=VALVE SIZE (LS)=LATERAL SIZE (MS)=MAIN LINE SIZE

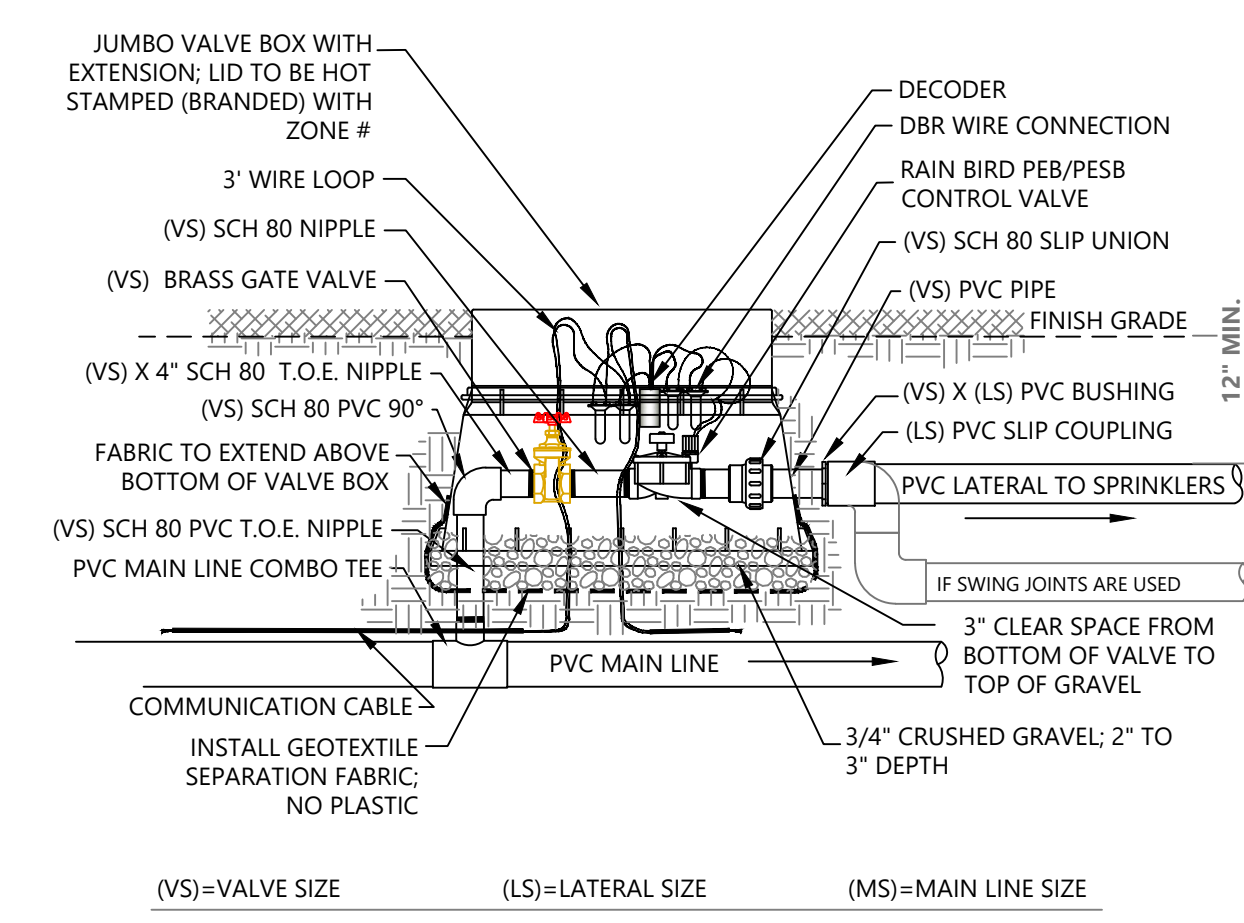


(VS)=VALVE SIZE (LS)=LATERAL SIZE (MS)=MAIN LINE SIZE

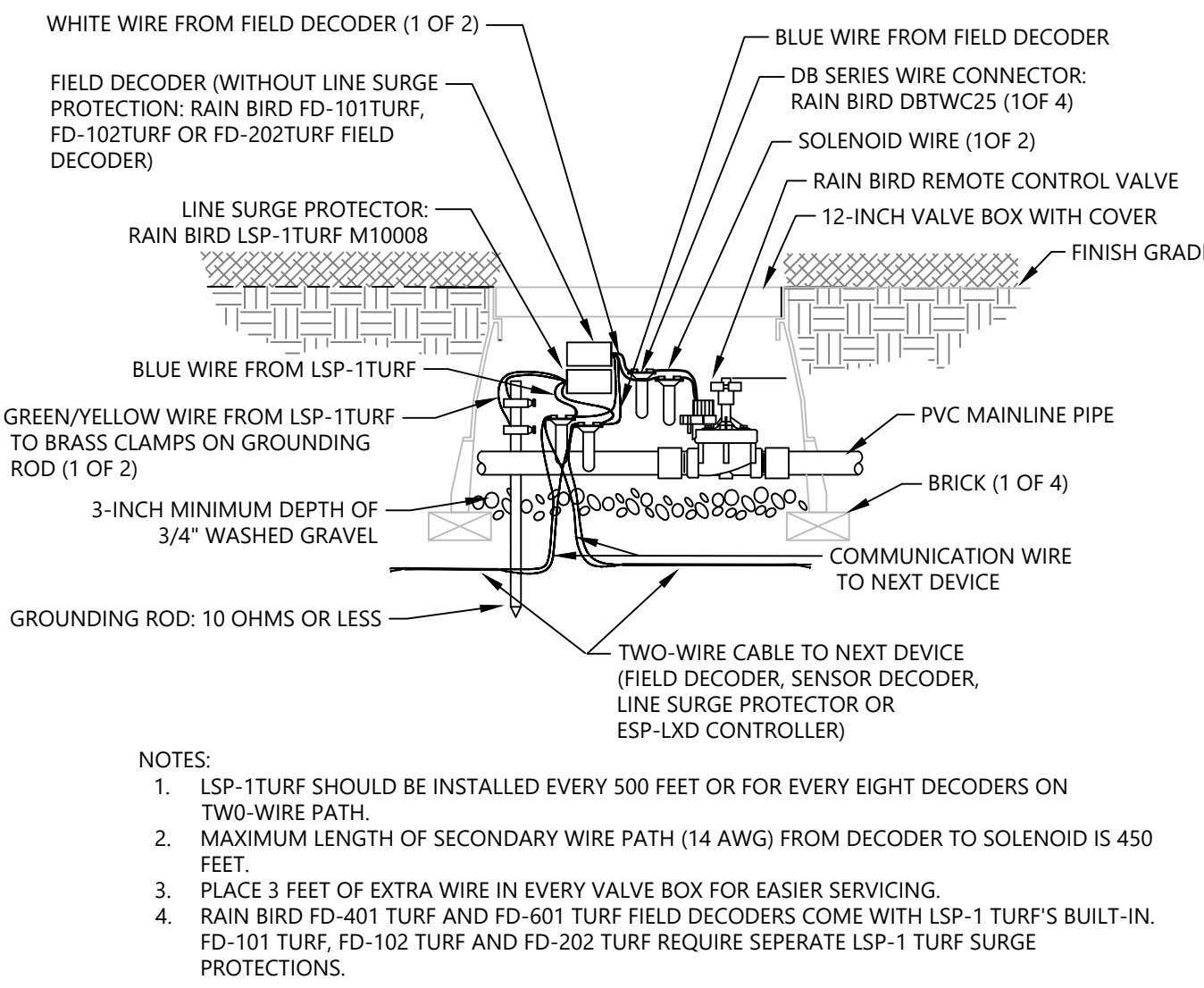
**1** TURF ROTOR ON 1" SWING JOINT  
IR-8 N.T.S. 1 1/2" = 1'-0" 328403.16-21

**2** TURF ROTOR ON 3/4" SWING JOINT  
IR-8 N.T.S. 1 1/2" = 1'-0" 328403.16-22

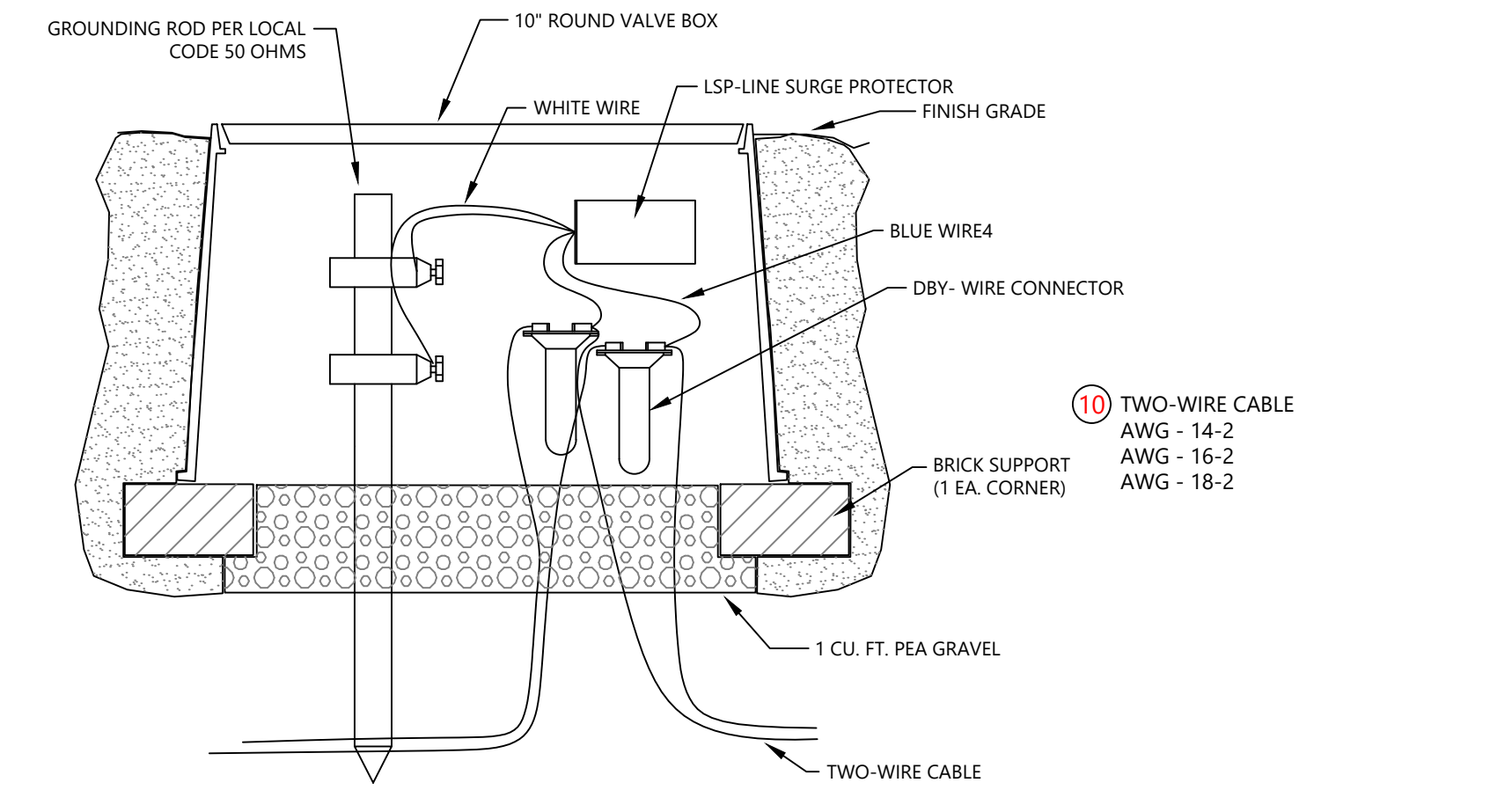
**3** SPRAY BODY ON SWING PIPE  
IR-8 N.T.S. 1 1/2" = 1'-0" 328403.13-06



(VS)=VALVE SIZE (LS)=LATERAL SIZE (MS)=MAIN LINE SIZE



(VS)=VALVE SIZE (LS)=LATERAL SIZE (MS)=MAIN LINE SIZE

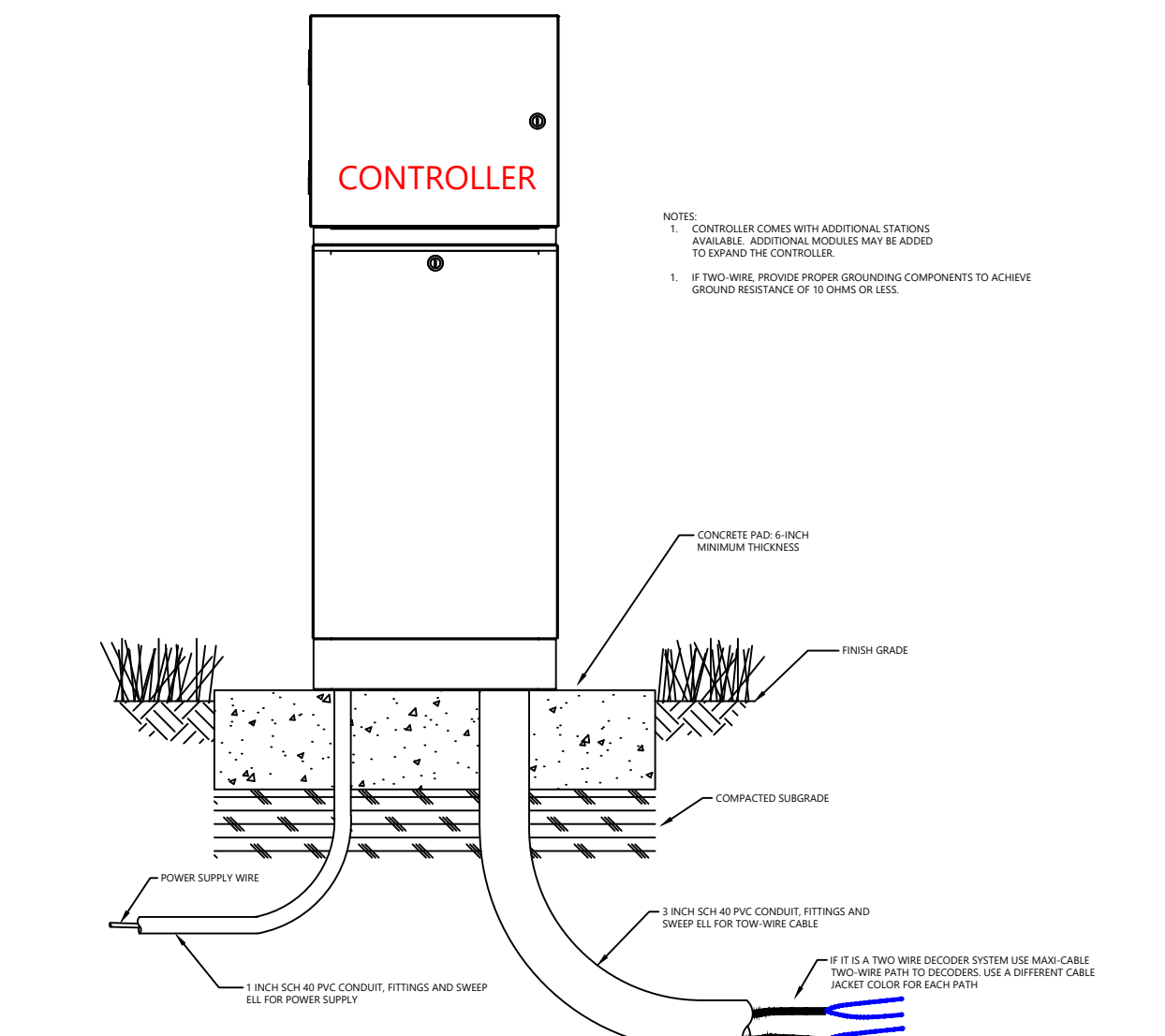


**00** LINE SURGE PROTECTION WITH GROUNDING ROD  
SHEET N.T.S. NOT TO SCALE 328409.10-02

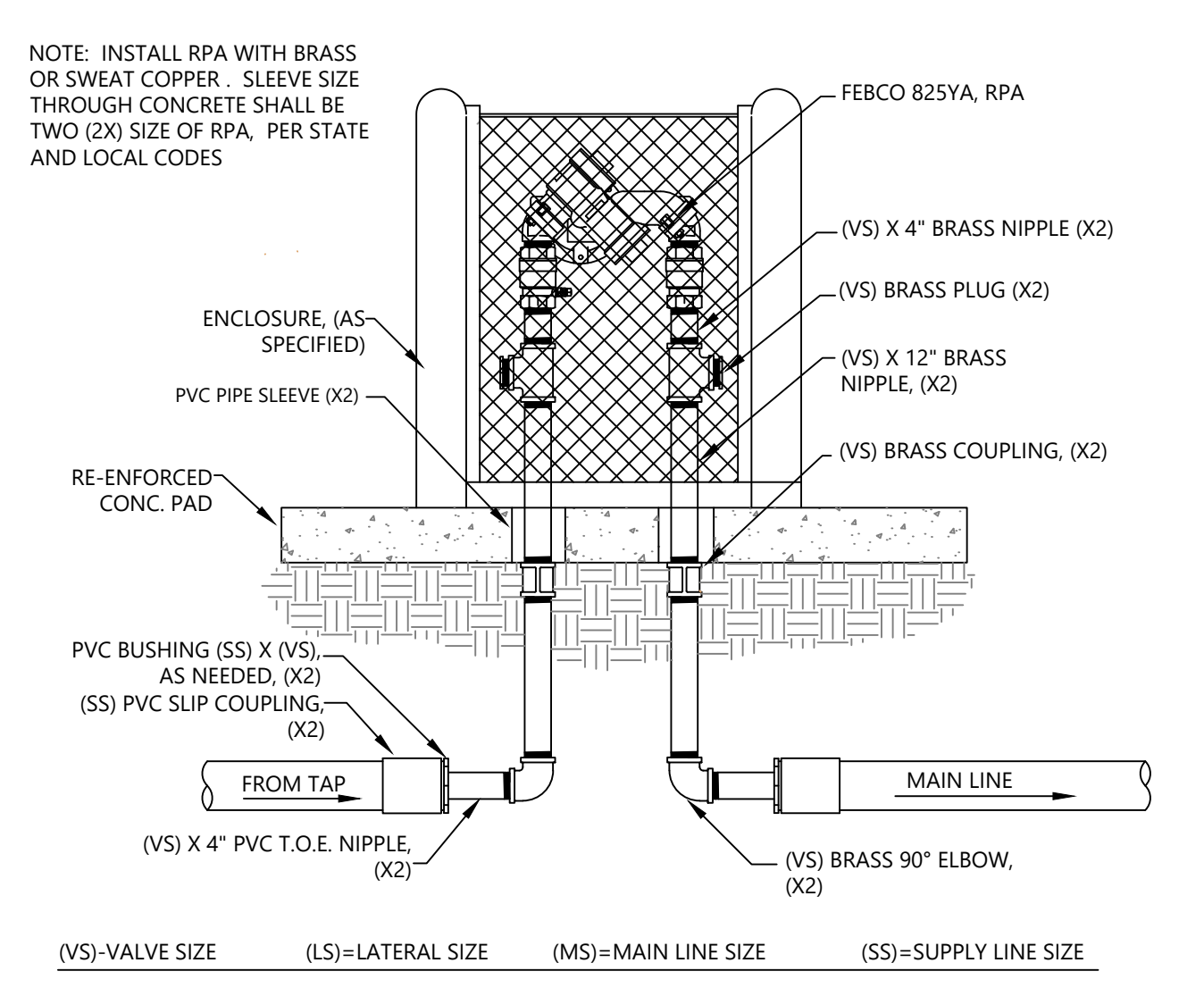
**4** RAINBIRD CONTROL VALVE W/ DECODER  
IR-8 1" = 1'-0" 328406.13-11

**5** LSP-1TURF AND FIELD DECODER CONNECTION  
IR-8 N.T.S. 328409.10-02

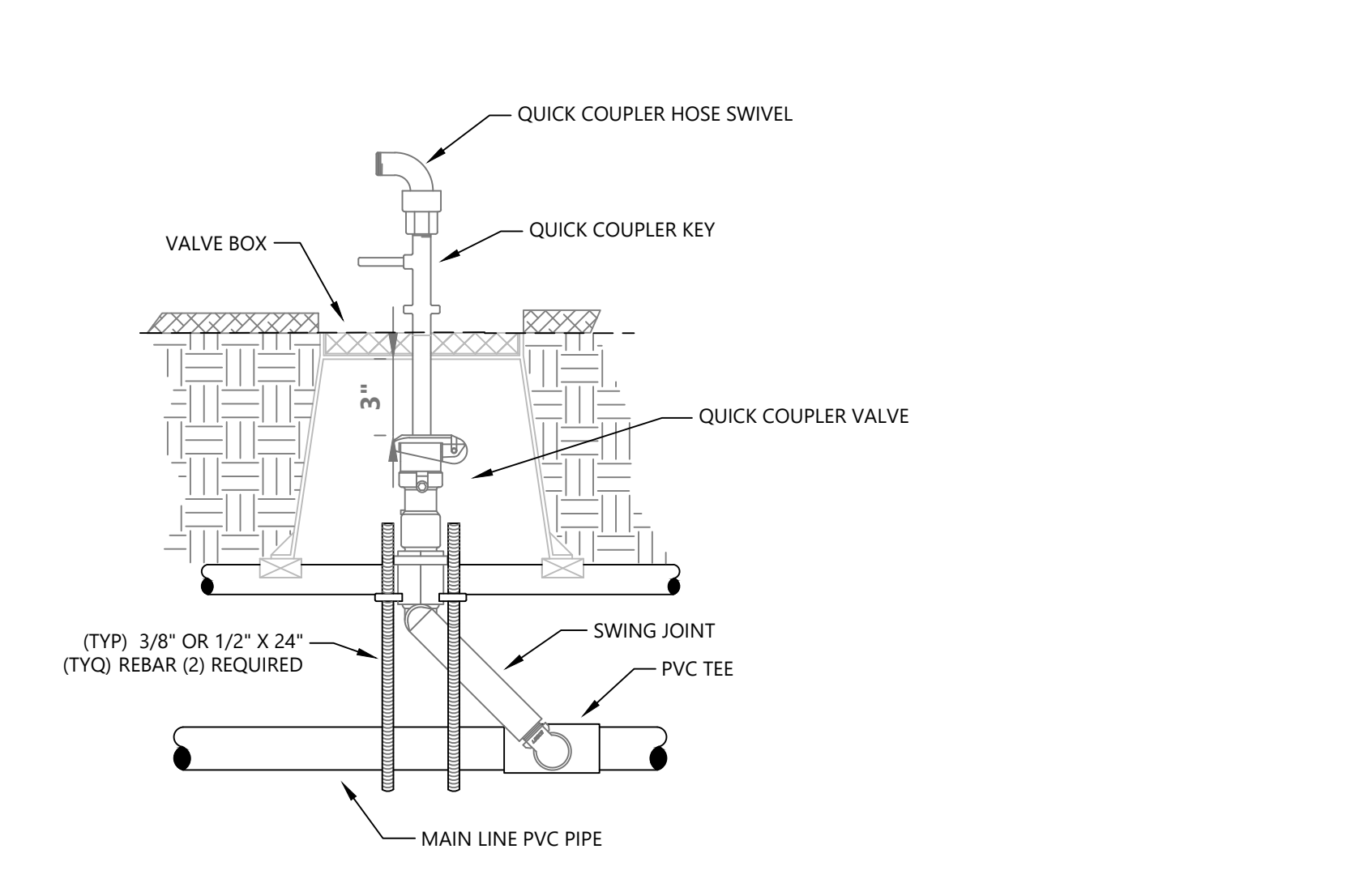
**00** LINE SURGE PROTECTION WITH GROUNDING ROD  
SHEET N.T.S. NOT TO SCALE 328409.10-02



(VS)=VALVE SIZE (LS)=LATERAL SIZE (MS)=MAIN LINE SIZE



(VS)=VALVE SIZE (LS)=LATERAL SIZE (MS)=MAIN LINE SIZE (SS)=SUPPLY LINE SIZE



(VS)=VALVE SIZE (LS)=LATERAL SIZE (MS)=MAIN LINE SIZE

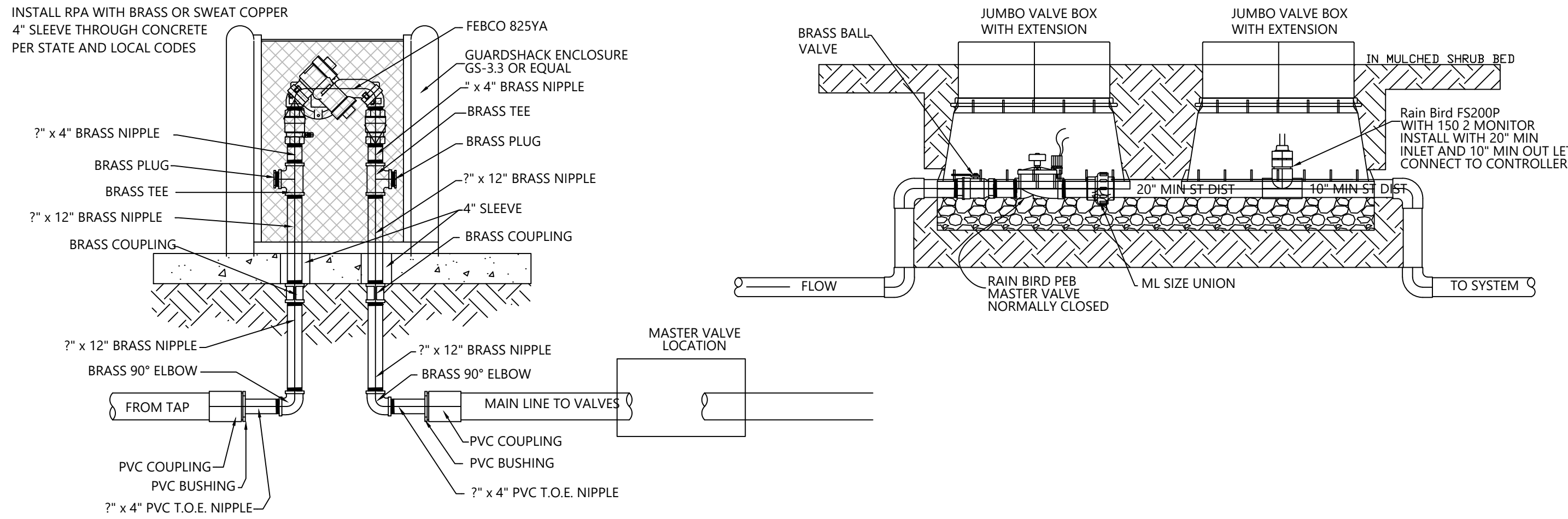
**7** TYPICAL CONTROLLER IN PEDESTAL  
IR-8 N.T.S. 3/4" = 1'-0" 328409.16-08

**8** 825YA RPA ASSEMBLY W/ ENCLOSURE  
IR-8 N.T.S. 1" = 1'-0" 328409.46-07

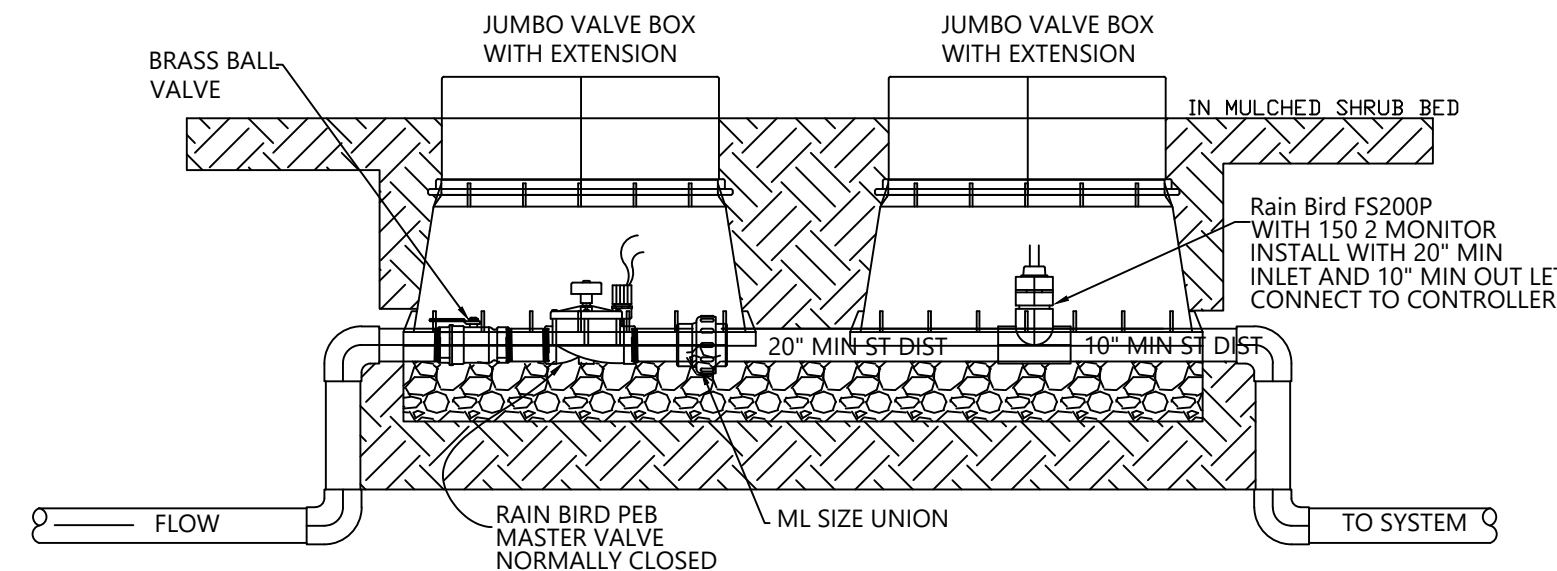
**9** QUICK COUPLER ON SWING JOINT  
IR-8 N.T.S. 1" = 1'-0" 328406.43-07

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Date	Revisions:	Designer
07/12/2021	Notes	BGV
<p style="text-align: center;"><b>POMONA PARK</b> 588 25- 1/2 RD GRAND JUNCTION, COLORADO</p>		
<p style="text-align: center;">Grand Junction Pipe &amp; Supply Main Branch 2868 I-70 Bus. Loop Grand Jct., CO 81501 (970) 243-4604</p>		
<p>Job Status:</p> <p>● PRELIMINARY ● FINAL ○ FOR PERMIT ○ CONSTRUCTION ○ AS-BUILDS</p>		
Drawn By:	B.G.V.	
Designed By:	B.G.V.	
Checked By:	B.G.V.	
Design Date:	07-01-2021	
Drawing Number:	2021-0028	
File Name:	2021-0028.DWG	
Drawing Scale:	N.T.S.	
SHEET TITLE:		
Irrigation Details		
Sheet No.	IR-8	
Sheet:	8 OF 9	
<p>CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.</p>		



**1** TYPICAL BACKFLOW WITH MASTER VALVE AND FLOW SENSOR  
 IR-9 N.T.S.

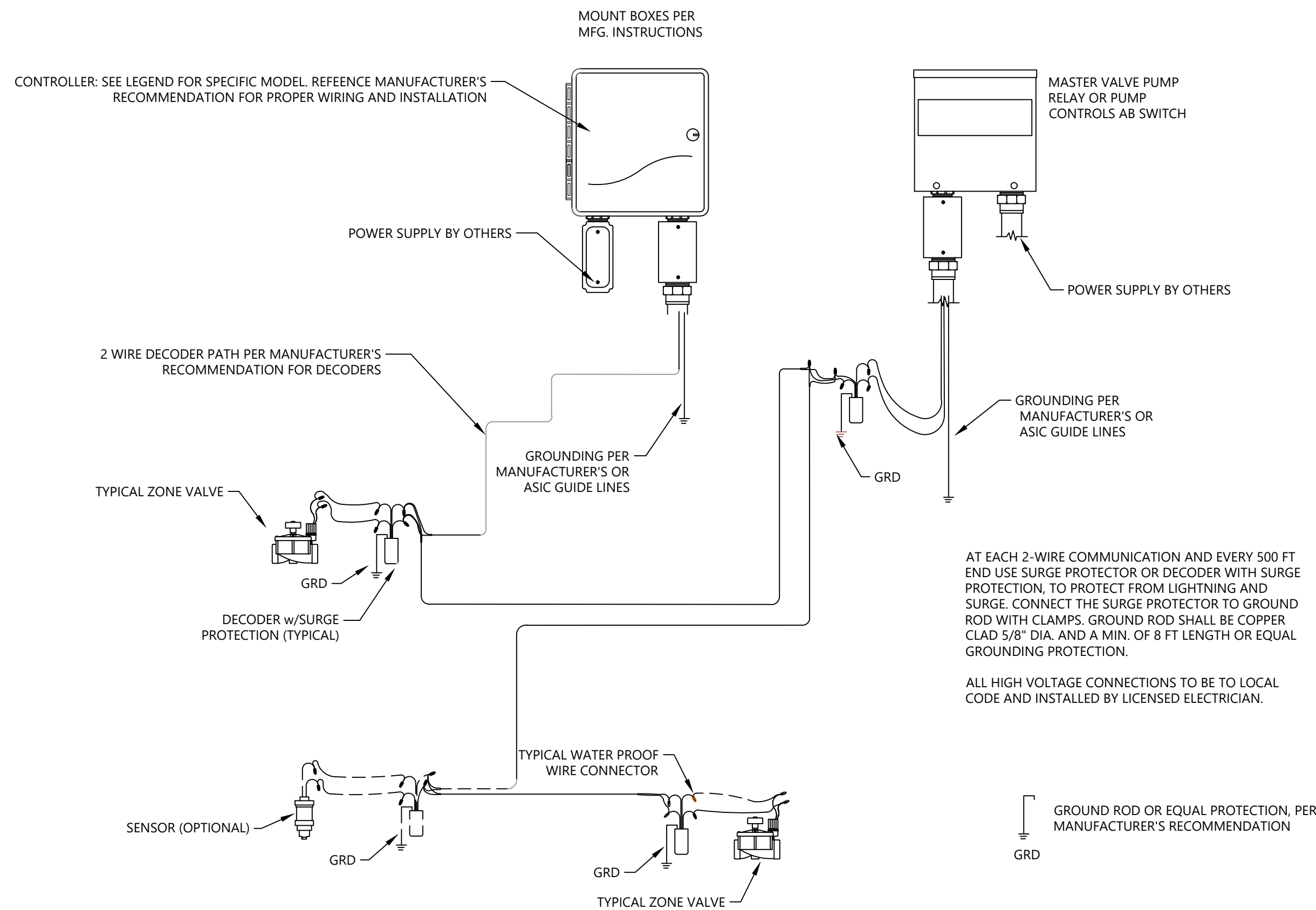


**2** ISOLATION VALVE DETAIL  
 IR-9 N.T.S.

- Notes:
- 1- Install gate valve per manufacturer's specifications and recommendations.
  - 2- Valve box shall be wrapped with minimum 3 mil. thick plastic and secure it to valve box using duct tape or electrical tape.
  - 3- Valve box shall be located in planting area.

**IRRIGATION NOTES:**

1. ALL WORK SHALL BE PER EXISTING COUNTY OR STATE CODE AND IS SUBJECT TO INSPECTION AND APPROVAL BY APPROPRIATE INSPECTORS AND OWNER REPRESENTATIVE.
2. INSTALLATION CONTRACTOR TO BE RESPONSIBLE FOR ALL INSTALLATION STANDARDS AND PRACTICES.
3. INSTALLATION CONTRACTOR TO BE RESPONSIBLE FOR ALL PERMITTING AND INSPECTION REQUIREMENTS.
4. ALL PIPE SHOULD BE SLEEVED WHEREVER CONCRETE IS TO BE OVERLAID.
5. ALL SLEEVES TO BE 2 TIMES THE DIAMETER OF THE PIPE TO BE SLEEVED.
6. ALL MAIN LINE SLEEVES TO HAVE AN ADDITIONAL SLEEVE AT SAME FOR CONTROL WIRES
7. ALL MAIN LINE PIPES AND LATERAL PIPE TO HAVE TRACER WIRES INSTALLED FOR LOCATION PURPOSES.
8. WIRE SPLICES TO BE LOCATED IN A VALVE BOX AT LEAST 10" (INCH) ROUND OR LARGER.
9. MAIN LINE TO BE BURIED MINIMUM OF 18" TO TOP MAIN LINE OF PIPE.
10. MAIN LINE PIPES LARGER THAN 3" SHALL HAVE THRUST BLOCKS AT ALL INTERSECTIONS AND DIRECTIONAL CHANGES.
11. IRRIGATION PLAN IS DIAGRAMMATIC. ANY COMPONENTS SHOWN ON PLAN OUTSIDE OF LANDSCAPE ARE SHOWN FOR ILLUSTRATION CLARIFICATION ONLY.
12. SWING PIPE SHALL BE USED ON ALL SPRINKLER HEADS WITH A FLOW UNDER 6 GPM, WITH MAXIMUM LENGTH OF SWING PIPE NO LONGER THAN 5'(FOOT). ALL SPRINKLER HEADS WITH A FLOW OVER 6 GPM SHALL BE INSTALLED WITH SWING JOINTS
13. ISOLATION VALVES TO BE LOCATED IN 10" (INCH) ROUND VALVE BOX OR LARGER.
14. FOR OBSTRUCTIONS (ELECTRICAL TRANSFORMERS, TREES, FIRE HYDRANTS, ETC...) THAT WILL INTERFERE WITH PROPER COVERAGE OF SPRINKLER HEADS, WILL REQUIRE THE ADDITION OF PROPERLY PATTERNED HEADS AROUND OBSTRUCTION IN ORDER TO PROVIDE REQUIRED HEAD TO HEAD COVERAGE TO ALL IRRIGATED AREAS.
15. SPRINKLER HEADS TO BE SET PERPENDICULAR TO FINISHED GRADE AND ADJUSTED TO PREVENT OVER SPRAY ONTO NON IRRIGATED AREAS.
16. LATERALS ARE SIZED AT TRANSITIONS ONLY, SEGMENTS THAT ARE NOT NOTED WILL BE THE SAME SIZE AS ADJACENT SEGMENTS. UP STREAM SEGMENTS WILL NEVER BE SMALLER THAN ANY DOWN STREAM SEGMENTS ON THE SAME LATERAL.



**3** TWO WIRE DECODER CONTROLLER AND INSTALLATION  
 IR-9 N.T.S.

328409.10-05

328409.10-05

Date	Revisions:	Notes	Designer
07/12/2021	BGV		

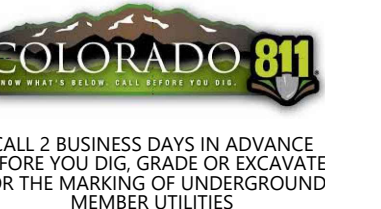
**POMONA PARK**  
 588 25-1/2 RD  
 GRAND JUNCTION, COLORADO

**Grand Junction Pipe & Supply**  
 Main Branch  
 2868 E-70 Bus. Loop  
 Grand Jct. CO 81501  
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Job Status:  
 PRELIMINARY  
 FINAL  
 FOR PERMIT  
 CONSTRUCTION  
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Drawn By: B.G.V.  
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 Checked By: B.G.V.  
 Design Date: 07-01-2021  
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 File Name: 2021-0028.DWG  
 Drawing Scale: N.T.S.  
 SHEET TITLE: Irrigation Details

Sheet No. IR-9  
 Sheet: 9 OF 9



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