

## ADDENDUM NO. 1

### FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE

April 3, 2023

This Addendum to the specifications is for the purpose of adding, clarifying, or deleting certain information to the Drawings and Specifications described above and shall be made part thereof, and subject to all applicable requirements hereunder as if originally shown and/or specified.

1. **BID DATE:** The bid date has changed to: **Wednesday, April 12, 2023 at 2:00 p.m.**
2. **EMWD ENGINEERS ESTIMATE:** The engineers estimate has been amended to \$2,300,000.
3. **CONTRACT DRAWING CHANGES:**

POC 24 Turf Removal Retrofit and Planting Plan added to specification/contract drawings attached herein.

POC 28 Turf Removal Retrofit and Planting Plan added to specification/contract drawings attached herein.

POC 28 Delta 1 (revisions dated March 24, 2023) added to specification/contract drawings attached herein.

POC 67 Delta 1 (revisions dated March 24, 2023) added to specification/contract drawings attached herein.

POC 70 Delta 1 (revisions dated March 24, 2023) added to specification/contract drawings attached herein.

For reference purposes, as-builts, controller charts, and Irrigation Plans can be viewed at:  
<https://www.dropbox.com/sh/7lpxo1rjpanj1lr/AADC2BM6BV9y9Vk97Xv65102a?dl=0>.

4. **BIDDING FORM CHANGES:**

Bidder must use the herein attached Bid Proposal Package when submitting bid.

Bid Item No. 20: Description amended to read *“Proposed booster pump for Abelia Park. Connect and upgrade existing electrical power per VWRPD directions and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*

Bid Item No. 21: Removed from bidding sheets.

Bid Item No. 23: Removed from bidding sheets.

- Bid Item No. 27: Removed from bidding sheets.
- Bid Item No. 28: Removed from bidding sheets.
- Bid Item No. A1: New bid item with a quantity of 1 LS. Description reads *“30 Day Maintenance per Valley-Wide maintenance specifications.”*
- Bid Item No. A2: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. A3: New bid item with a quantity of 14 EA. Description reads *“Replace existing valve with Rainbird drip valve per VRPWD detail. Install inside purple valve box per detail. Verify valve location in the field. Valve to be used for the new drip emitter irrigation system.”*
- Bid Item No. A4: New bid item with a quantity of 98, 300 SF. Description reads *“Complete remove existing turf and plant shrub/groundcover per owner direction.”*
- Bid Item No. A5: New bid item with a quantity of 2,908 EA. Description reads *“Install Rainbird XBT-20 threaded emitter with Salco or GPH flexible riser (1) per shrub) and (4) per existing tree. Install per turf retrofit plan.”*
- Bid Item No. A6: New bid item with a quantity of 1 LS. Description reads *“Buried irrigation UVR laterals, ball valves, pressure regulators, check valves, fittings to each plant per turf retrofit plan per Valley-Wide low volume point-to-point details IR-02, IR-30, IR-31, IR-32, IR-33, IR-34 and IR-35.”*
- Bid Item No. A7: New bid item with a quantity of 490 LF. Description reads *“Provide and install 6x6 concrete header per Valley-Wide detail LC-33 per turf retro-fit plans.”*
- Bid Item No. A8: New bid item with a quantity of 2,820 LF. Description reads *“Stabilized decomposed granite per Valley-Wide detail LC-01 per turf retro-fit plans.”*
- Bid Item No. A9: New bid item with a quantity of 290 EA. Description reads *“Provide and install 5 gal shrub per Valley-Wide detail PL-04 per turf retro-fit plans.”*
- Bid Item No. A10: New bid item with a quantity of 2,618 EA. Description reads *“Provide and install 1 gal shrub per Valley-Wide detail PL-04 per turf retro-fit plans.”*
- Bid Item No. A11: New bid item with a quantity of 84,400 SF. Description reads *“Provide and install 3” Thick organic cover mulch per Valley-Wide detail PL-07 per turf retro-fit plans.”*
- Bid Item No. A12: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 45: Description amended to read *“Install 6” PVC purple class 200 sleeve under existing concrete sidewalk and road. Sleeve must be buried a minimum of 36” from finish grade or existing pavement or per County of Riverside standard. Any repairs to existing concrete, curb and asphalt must be per County of Riverside standards.”*

- Bid Item No. 47: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. 48: Removed from bidding sheets.
- Bid Item No. 49: Description amended to read *“Provide and install 6x6 concrete header per Valley-Wide detail LC-33.”*
- Bid Item No. A13: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 69: Description amended to read *“Install 6” PVC purple class 200 sleeve under existing concrete sidewalk and road. Sleeve must be buried a minimum of 36” from finish grade or existing pavement or per County of Riverside standard. Any repairs to existing concrete, curb and asphalt must be per County of Riverside standards.”*
- Bid Item No. 71: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. 72: Removed from bidding sheets.
- Bid Item No. A14: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 92: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards(see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. A15: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 108: Description amended to read *“Provide and install 6x6 concrete header per Valley-Wide detail LC-33.”*
- Bid Item No. 110: Description amended to read *“Install 6” PVC purple class 200 sleeve under existing concrete sidewalk and road. Sleeve must be buried a minimum of 36” from finish grade or existing pavement or per County of Riverside standard. Any repairs to existing concrete, curb and asphalt must be per County of Riverside standards.”*
- Bid Item No. 114: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards(see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. A16: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*

- Bid Item No. 134: Description amended to read *“Provide and install 6x6 concrete header per Valley-Wide detail LC-33.”*
- Bid Item No. 135: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards(see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. A17: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 153: Description amended to read *“Install 6” PVC purple class 200 sleeve under existing concrete sidewalk and road. Sleeve must be buried a minimum of 36” from finish grade or existing pavement or per County of Riverside standard. Any repairs to existing concrete, curb and asphalt must be per County of Riverside standards.”*
- Bid Item No. 155: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. 156: Removed from bidding sheets.
- Bid Item No. A18: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 175: Description amended to read *“Relocate existing irrigation booster pump and enclosure to new location and reconnect to new recycled water point of connection (as shown on plan) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. A19: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 185: Description amended to read *“Provide and install 6x6 concrete header per Valley-Wide detail LC-33.”*
- Bid Item No. 186: Description amended to read *“Replace existing - Provide and install new booster pump per the specifications. See sheet 2 (Index Map) for existing booster pump location and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. A20: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 205: Description amended to read *“Provide and install 6x6 concrete header per Valley-Wide detail LC-33.”*
- Bid Item No. 207: Description amended to read *“Provide and install irrigation booster pump per the specifications and details and provide and install electrical conduit, 240 VAC wiring*

*and breaker(s) to connect booster pump from nearby electrical source per local code.”*

- Bid Item No. A21: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 223: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards(see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. A22: New bid item with a quantity of 1 LS. Description reads *“Upgrade existing controllers per irrigation plans.”*
- Bid Item No. A23: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 240: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards(see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. A24: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 259: Description amended to read *“Install 6” PVC purple class 200 sleeve under existing decomposed granite trail/access road. Sleeve must be buried a minimum of 36” from finish grade or existing pavement or per County of Riverside standard. Any repairs to existing trail/access road must be per Valley-Wide standards.”*
- Bid Item No. 260: Description amended to read *“Provide and install irrigation booster pump per specifications and detail and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. A25: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 278: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards(see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*
- Bid Item No. A26: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 295: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards(see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*

- Bid Item No. A27: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. 312: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards(see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source inside existing building per local code.”*
- Bid Item No. 313: Removed from bidding sheets.
- Bid Item No. 314: Removed from bidding sheets.
- Bid Item No. 315: Removed from bidding sheets.
- Bid Item No. 317: Removed from bidding sheets.
- Bid Item No. 318: Removed from bidding sheets.
- Bid Item No. A28: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*
- Bid Item No. A29: New bid item with a quantity of 11,900 SF. Description reads *“Complete remove existing turf and plant shrub/groundcover per owner direction.”*
- Bid Item No. A30: New bid item with a quantity of 400 EA. Description reads *“Install to Rainbird XBT-20 threaded emitter with Salco or GPH flexible riser (1) per shrub) and (4) per existing tree. Install per turf retrofit plan.”*
- Bid Item No. A31: New bid item with a quantity of 3 EA. Description reads *“Replace existing valve with Rain Bird drip valve per Valley-Wide detail. Install inside purple valve box per detail.*
- Bid Item No. A32: New bid item with a quantity of 1 LS. Description reads *“Buried irrigation UVR laterals, ball valves, pressure regulators, check valves, fittings to each plant per turf retrofit plan per Valley-Wide low volume point-to-point details IR-02, Ir-30, IR-31, IR-32, IR-33, IR-34 and IR-35.”*
- Bid Item No. A33: New bid item with a quantity of 115 EA. Description reads *“Provide and install 5 gal shrub per Valley-Wide detail PL-04 per turf retrofit plans.”*
- Bid Item No. A34: New bid item with a quantity of 11,900 SF. Description reads *“Provide and install 3” Thick organic cover mulch per Valley-Wide detail PL-07 per turf retrofit plans, or you could remove this bid item and provide separate bid items for these two retrofits.”*
- Bid Item No. A35: New bid item with a quantity of 285 EA. Description reads *“Provide and install 1 gal shrub per Valley-Wide detail PL-04 per turf retrofit plans.”*
- Bid Item No. A36: New bid item with a quantity of 1 LS. Description reads *“Sub-grade for vegetative swales per turf retrofit plans.”*

Bid Item No. A37: New bid item with a quantity of 1 LS. Description reads *“30 Day Maintenance per Valley-Wide maintenance specifications.”*

Bid Item No. A38: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*

Bid Item No. 335: Quantity amended to 285. Description amended to read *“Provide and install 6x6 concrete header per Valley-Wide detail LC-33.”*

Bid Item No. 336: Description amended to read *“Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.”*

Bid Item No. A39: New bid item with a quantity of 1 LS. Description reads *“Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.”*

**5. CLARIFYING ITEMS:**

Clarification No. 1: Contractor must obtain an encroachment permit with the County of Riverside prior to the installation of street crossings.

Clarification No. 2: Contractor must obtain an encroachment permit with the County of Riverside prior to removal of turf and installation of irrigation and planting within Emerald Drive right-of-way per POC 82 turf retrofit plans.

Clarification No. 3: POC 49 service line and meter location to be located approximately 15 feet south of existing electrical vault and manhole along Pourroy Road just south of Jubilee Road.

Clarification No. 4: POC 70 service line and meter location to be located approximately 60 feet south of existing potable water meter along Pourroy Road just south of Via San Lucas.

**6. MANDATORY PRE-BID WALK-THRU ATTENDEES:**


James Potter – Adame Landscape  
Luis Alvarez – Adame Landscape  
Brett Selcanto – RE Chaffee Construction  
Pat Joyce – Three Peaks Corp  
Tom Handwerk – Griffith Company

Gregg Worthington – Valley-Wide Recreation  
Joe Walsh – Valley-Wide Recreation  
James Salvador – Valley-Wide Recreation  
Justin Schweitzer – Valley-Wide Recreation  
Anissa Smith – Valley-Wide Recreation

**7. SUBMITTED QUESTIONS AND ANSWERS:**

No Questions Were Submitted

Sincerely,

  
Justin Schweitzer, Special Projects Supervisor  
Valley-Wide Recreation and Park District

## PROPOSAL PACKAGE INFORMATION SHEET

PROJECT NAME: FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE

**NOTICE TO BIDDER:** The attached Proposal Package, when complete by you and returned to this District, constitutes your Bid on this project. **Please do not submit the bound copy of the specifications or addenda with your Bid.**

The envelope enclosing the proposal **MUST** be sealed and addressed as follow:

**Regular, Express Mail, FedEx or Hand-Deliver**

Valley-Wide Recreation and Park District  
Attention: Justin Schweitzer  
901 W. Esplanade Avenue  
San Jacinto, CA 92581

The envelope **MUST** be plainly marked in the upper left hand corner with the name and address of the bidder, and bear the words:

**Proposal for:**  
**(Project Name)**  
**(Date and Hour)**

### **SIGN, COMPLETE, AND SUBMIT THE FOLLOWING:**

- Proposal Sheet (C3-1) **Signature required!**
- Bidding Sheets & Equipment and Material List – (BS-1 thru 60)
- Bidder's Experience Record & Resumes of Key Personnel (BR-1 thru 8)
- Subcontractors List (C-5(d) thru (e))
- Public Works Contractor Registration Certification (C22-1) – **Attach extracts of Bidder & Subs listed on Designation of Subcontractors form. Go to: <https://efiling.dir.ca.gov/PWCR/Search>**
- Contractor's Licensing Statement (C6-1)
- Non-collusion Declaration (C7-1)
- Workers' Compensation Insurance Certificate (C11-1)
- Iran Contracting Act Certification (C13-1) **(only required if bid is over \$1 million)**
- Cal/OSHA Form 300A (C16-1 thru 2)
- Bid Guarantee (per Notice Inviting Bids and Instructions to Bidders)  
**If Bid Bond, must be signed By You and Your Surety Company-Surety Acknowledgement required. Notary Acknowledgement required or Surety and Contractor**

**PLEASE COMPLETE AND SIGN ALL REQUIRED AREAS. SUBMIT AND ATTACH ANY ADDITIONAL DOCUMENTATION WHICH CONSTITUTES YOUR BID**

**FAILURE TO COMPLETE THIS PROPOSAL PACKAGE MAY RENDER YOUR BID "NON-RESPONSIVE"**

**[\\*Please Remove This Information Sheet Prior to Submitting Your Bid\\*](#)**



**PROPOSAL**

The undersigned hereby declares, as Bidder, that the only persons or parties interested in this proposal as principals are those named herein; that no director or any other officer or employee of the Valley-Wide Recreation District is in any manner interested directly or indirectly in this proposal or in the profits to be derived from the contract proposed to be taken; that this bid is made without any connection with any person or persons making a bid for the same purpose; that the bid is in all respects fair and without collusion or fraud; that he has read the Notice Inviting Bids (or Bidding Information) and the Instructions to Bidders and agrees to all the stipulations contained herein; that he proposes and agrees that if his bid as submitted in the attached sheets, be accepted he will contract in the form so approved and furnish the items called for in accordance with the provisions of said approved form of Agreement and the Specifications and to deliver the same within the time stipulated therein; and that he will accept in full payment therefore the prices named in said Bid Sheet.

The Bidder further agrees, that upon receipt of written notice of acceptance of the proposal with 60 days after the day of opening bids (unless otherwise specified in the Notice Inviting Bids or Bidding information) he will execute and return the Contract in accordance with the proposal as accepted and furnish the required bond(s) within **ten (10)** days from the date of mailing the Notice of Acceptance of Proposal to him at his address given below, or within such time as allowed by Valley-Wide; and that upon his failure or refusal to do so within the said time, then the certified or cashier's check or bond accompanying this bid shall become the property of and be retained by Valley-Wide as liquidated damages for such failure or refusal, and shall be deposited with the Accountant of said Valley-Wide as monies belonging to Valley-Wide; provided, that if said Bidder shall execute the Contract and furnish the required bond within the time aforesaid, his check or bond shall be returned to him thereafter.

The Bidder further declares that the surety or sureties named in the attached sheet have agreed to furnish bond in form and amount set forth in the accompanying Notice Inviting Bids (or Bidding Information) and Article 11 of the Instructions to Bidders, in the event contract is awarded on basis of this proposal.

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

Address: \_\_\_\_\_ Date: \_\_\_\_\_

By: \_\_\_\_\_  
 (Print Name) Name should appear below (Signature of Owner or Officer required)

Name(s) of Member of Firm or Officer of Corporation Authorized to enter into a binding Contract:	Address (if different from above)

For further detail on this proposal, please contact:

Name:	Address:
Email Address:	Telephone:

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

Bids will be received at the Valley-Wide Recreation and Park District office, located at 901 W. Esplanade Avenue, San Jacinto, California, until **Wednesday, April 12<sup>th</sup>, 2023 2:00 p.m.**

NAME OF BIDDER: \_\_\_\_\_

To the Board of Directors  
of the Valley-Wide Recreation and Park District  
901 W. Esplanade Avenue  
San Jacinto, California 92581

The undersigned, hereby declare that we have carefully examined the location of the proposed Work, and have read and examined the Contract Documents, including all plans, specifications, and all addenda, if any, for the following Project:

**French Valley Recycled Water Retrofit Project  
Phase Three**

We hereby propose to furnish all labor, materials, equipment, tools, transportation, and services, and to discharge all duties and obligations necessary and required to perform and complete the Project for the following TOTAL BID PRICE:

Total Bid Amount in Numerals:                     \$ \_\_\_\_\_

Total Bid Amount in Words:    \$ \_\_\_\_\_

The undersigned acknowledge receipt, understanding, and full consideration of the following addenda to the Contract Documents:

Addenda and/or Letter of Clarification

By submitting a bid, Bidder certifies that any addenda and letters of clarification issued to these specifications, whether acknowledged or not below, shall be made a part of the contract. Bidder further agrees to perform all labor and services and furnish all materials, tools and appliances necessary for completing the work called out in the addenda or letter of clarification.

Addenda Received:                     \_\_\_\_\_

Letter of Clarification received:    \_\_\_\_\_

## VALLEY-WIDE RECREATION

### FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE

#### BIDDING SHEETS

The Contractor shall construct the project under these Specifications all in conformance with the Contract Drawings listed in Section P and these Specifications

The District reserves the right to:

- A. Accept or reject any or all bids on this specification;
- B. Award Contract to the lowest qualified bidder, based on the total bid price;
- C. Waive any defects and informalities.

The District shall be the final authority with regard to whether a bid is responsive to the call for bids and to whether a bidder is a responsible bidder under the conditions of his bid, or for any reason.

The total contract price shall include all work, materials, and equipment needed to complete the project as defined in the General Conditions, Section F. The bidder shall include costs for such other items in the most appropriate category (bid item).

VALLEY-WIDE RECREATION

FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE

BIDDING SHEETS

ADDITION OR DEDUCTION: Provision is made here for the bidder to include an addition/deduction in their bid, if desired, to reflect any last minute adjustments in process. The addition/deduction, if made, will be proportionately applied to item(s) \_\_\_\_\_ (fill in) and reflected in the unit process for payment purposes. If the addition/deduction affects more than one bid item, the proportionate application of the addition/deduction shall be mutually agreed upon by the Contract and the District at the prejob.

Person who inspected site of the proposed work as an employee of your firm: **(Representative must have inspected the jobsite and be employee on the company's payroll to be considered a responsive bidder)**

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(Name)

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(Date of Inspection)

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
1	1	LS	Mobilization per Article 6 of General Conditions (not to exceed 10% of bid).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
<b>POC #24</b>					
2	1	EA	Install new 3" Recycled water meter per EMWD standards PB-13. Water meter will be provided by EMWD.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
3	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
4	1	EA	Provide and install Yardney strainer MCS3-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
5	1	EA	Provide and install Buckner Superior 3300 normally open master valve (size:3") per detail. Run wires to existing irrigation controller location.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
6	1	EA	Provide and install Calsense flow sensor (Size:3"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
7	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
8	1,700	LF	Provide and install 4" class 315 PVC purple recycled water irrigation mainline with ductile iron fittings (bury 36" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
9	100	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
10	22	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
11	3	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe. Remove existing backflow preventer and equipment.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
12	48	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
13	209	EA	Replace all existing irrigation valve box and lid with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
14	3	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
15	3	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
16	1	EA	Connect propose new master valve and flow sensor wires to existing controller. Adjust/setup existing controller for high-flow shut off setting.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
17	2	EA	Provide and install new gate valve per VWRPD standard detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
18	40	LF	Install 8" PVC purple Schedule 40 sleeve across bridge.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
19	3	EA	Remove existing master valve and flow sensor. Relocate booster pump. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
20	1	EA	Proposed booster pump for Abelia Park. Connect and upgrade existing electrical power per VWRPD directions and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
21	X	X	This item has been removed from the bidding sheets, per Addendum No. 1.	X	X
22	X	X	This item has been removed from the bidding sheets, per Addendum No. 1.	X	X
23	X	X	This item has been removed from the bidding sheets, per Addendum No. 1.	X	X
24	1	EA	Remove existing drinking fountain and pipe.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
25	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
26	1	LS	Upgrade existing controllers (add antennas per plan).  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
27	X	X	This item has been removed fr.om the bidding sheets, per Addendum No. 1	X	X
28	X	X	This item has been removed from the bidding sheets, per Addendum No. 1.	X	X
A1	1	LS	30 Day Maintenance per Valley-Wide maintenance specifications.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		



**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
A2	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
<b>POC #24 TURF REMOVAL RETROFIT AND PLANTING PLAN</b>					
A3	14	EA	Replace existing valve with Rainbird drip valve per VRPWD detail. Install inside purple valve box per detail. Verify valve location in the field. Valve to be used for the new drip emitter irrigation system.  _____	\$ _____	\$ _____
A4	98,300	SF	Complete remove existing turf and plant shrub/groundcover per owner direction.  _____	\$ _____	\$ _____
A5	2,908	EA	Install Rainbird XBT-20 threaded emitter with Salco or GPH flexible riser (1) per shrub) and (4) per existing tree. Install per turf retrofit plan.  _____	\$ _____	\$ _____
A6	1	LS	Buried irrigation UVR laterals, ball valves, pressure regulators, check valves, fittings to each plant per turf retrofit plan per Valley-Wide low volume point-to-point details IR-02, IR-30, IR-31, IR-32, IR-33, IR-34 and IR-35.  _____	\$ _____	\$ _____
A7	490	LF	Provide and install 6x6 concrete header per Valley-Wide detail LC-33 per turf retro-fit plans.  _____	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
A8	2,820	LF	Stabilized decomposed granite per Valley-Wide detail LC-01 per turf retro-fit plans.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A9	290	EA	Provide and install 5 gal shrub per Valley-Wide detail PL-04 per turf retro-fit plans.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A10	2,618	EA	Provide and install 1 gal shrub per Valley-Wide detail PL-04 per turf retro-fit plans.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A11	84,400	SF	Provide and install 3" Thick organic cover mulch per Valley-Wide detail PL-07 per turf retro-fit plans.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A12	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
<b>POC #28</b>					
29	1	EA	Install new 2" Recycled water meter per EMWD standards PB-12. Water meter will be provided by EMWD.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
30	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
31	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
32	2	EA	Provide and install Buckner Superior 3300 normally open master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
33	2	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
34	1	EA	Provide and install 1" ball valve inside round purple valve box  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
35	780	LF	Provide and install 3" class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
36	130	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
37	38	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

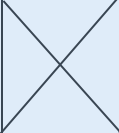
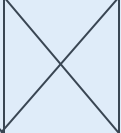
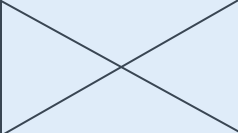
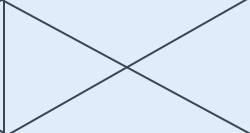
**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
38	3	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
39	43	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
40	152	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
41	3	EA	Existing domestic irrigation water meter to be removed (By Others)  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
42	3	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
43	1	EA	Connect propose new master valve and flow sensor wires to existing controller. Adjust/setup existing controller for high-flow shut off setting.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
44	2	EA	Provide and install Nibco T-113 gate valve (mainline size). To be installed per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
45	160	LF	Install 6" PVC purple class 200 sleeve under existing concrete sidewalk and road. Sleeve must be buried a minimum of 36" from finish grade or existing pavement or per County of Riverside standard. Any repairs to existing concrete, curb and asphalt must be per County of Riverside standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
46	3	EA	Remove existing master valve, flow sensor and isolation valve. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
47	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
48			This item has been removed from the bidding sheets, per Addendum No. 1		
49	10	LF	Provide and install 6x6 concrete header per Valley-Wide detail LC-33.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
50	1	LS	Remove existing irrigation valve and valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
51	1	LS	Upgrade existing Calsense controller(s) per irrigation plans.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
52	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A13	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
<b>POC #35</b>					
53	1	EA	Install new 2" Recycled water meter per EMWD standards PB-12. Water meter will be provided by EMWD.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
54	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
55	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
56	1	EA	Provide and install Buckner Superior 3300 normally open master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
57	1	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
58	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
59	110	LF	Provide and install 3" class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
60	40	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
61	18	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
62	2	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
63	23	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**


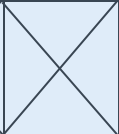


<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
64	89	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
65	2	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
66	2	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
67	1	EA	Connect propose new master valve and flow sensor wires to existing controller. Adjust/setup existing controller for high-flow shut off setting.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
68	1	EA	Provide and install Nibco T-113 gate valve (mainline size). To be installed per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
69	70	LF	Install 6" PVC purple class 200 sleeve under existing concrete sidewalk and road. Sleeve must be buried a minimum of 36" from finish grade or existing pavement or per County of Riverside standard. Any repairs to existing concrete, curb and asphalt must be per County of Riverside standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____



**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
70	2	EA	Remove existing master valve, flow sensor, isolation valve and fertilizer injector. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
71	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
72			This item has been removed from the bidding sheets, per Addendum No. 1		
73	1	LS	Upgrade existing Calsense controller(s) per irrigation plans.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
74	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A14	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
<b>POC #38</b>					
75	1	EA	Install new 1.5" Recycled water meter per EMWD standards PB-11. Water meter will be provided by EMWD.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
76	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
77	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
78	1	EA	Provide and install Buckner Superior 3200 normally closed master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
79	1	EA	Provide and install Calsense flow sensor (Size:1"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
80	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
81	50	LF	Provide and install 2.5" Class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
82	100	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
83	5	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
84	1	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
85	6	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
86	20	EA	Replace all existing irrigation valve box's lids with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
87	1	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
88	1	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
89	1	EA	Connect propose new master valve and flow sensor wires to existing controller.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
90	2	EA	Provide and install Nibco T-113 gate valve (mainline size). To be installed per detail.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
91	1	EA	Remove existing master valve, flow sensor. Cut and cap mainline.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
92	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
93	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A15	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
<b>POC #47</b>					
94	1	EA	Install new 2" Recycled water meter per EMWD standards PB-12. Water meter will be provided by EMWD.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
95	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
96	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
97	1	EA	Provide and install Buckner Superior 3300 normally open master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
98	1	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
99	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
100	300	LF	Provide and install 3" class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
101	200	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
102	26	EA	Provide and install recycled water signage per EMWD standards.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
103	3	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
104	52	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
105	101	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
106	2	EA	Existing domestic irrigation water meter to be removed (By Others).  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
107	2	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
108	540	LF	Provide and install 6x6 concrete header per Valley-Wide detail LC-33.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
109	1	EA	Provide and install Nibco T-113 gate valve (mainline size). To be installed per detail.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
110	70	LF	Install 6" PVC purple class 200 sleeve under existing concrete sidewalk and road. Sleeve must be buried a minimum of 36" from finish grade or existing pavement or per County of Riverside standard. Any repairs to existing concrete, curb and asphalt must be per County of Riverside standards.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
111	2	EA	Remove existing master valve and flow sensor. Cut and cap mainline.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
112	1	LS	Provide and install POC equipment for Zion greenbelt potable irrigation system. (1" Backflow Preventer, 1.5" Master valve and 1.5" Flow sensor).  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
113	1	EA	Provide and install new irrigation controller (see controller note) for potable water irrigation for Zion greenbelt.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
114	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
115	1	LS	Upgrade existing Calsense controller(s) per irrigation plans.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
116	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A16	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
<b>POC #49</b>					
117	1	EA	Install new 1" Recycled water meter per EMWD standards PB-12. Water meter will be provided by EMWD.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
118	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____



**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
119	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
120	1	EA	Provide and install Buckner Superior 3200 normally closed master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
121	1	EA	Provide and install Calsense flow sensor (Size:1"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
122	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
123	50	LF	Provide and install 2" Sch. 40 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
124	100	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
125	10	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
126	1	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
127	6	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
128	19	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
129	1	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
130	1	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
131	1	EA	Connect propose new master valve and flow sensor wires to existing controller. Adjust/setup existing controller for high-flow shut off setting.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
132	2	EA	Provide and install Nibco T-113 gate valve (mainline size). To be installed per detail.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
133	1	EA	Remove existing master valve, flow sensor. Cut and cap mainline.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
134	10	LF	Provide and install 6x6 concrete header per Valley-Wide detail LC-33.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
135	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
136	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A17	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
<b>POC #52</b>					
137	1	EA	Install new 2" Recycled water meter per EMWD standards PB-12. Water meter will be provided by EMWD.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
138	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
139	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
140	1	EA	Provide and install Buckner Superior 3300 normally open master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
141	1	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
142	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
143	300	LF	Provide and install 3" class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
144	200	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
145	36	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
146	3	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
147	45	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
148	115	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
149	3	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
150	3	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
151	1	EA	Connect propose new master valve and flow sensor wires to existing controller. Adjust/setup existing controller for high-flow shut off setting.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
152	1	EA	Provide and install Nibco T-113 gate valve (mainline size). To be installed per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
153	100	LF	Install 6" PVC purple class 200 sleeve under existing concrete sidewalk and road. Sleeve must be buried a minimum of 36" from finish grade or existing pavement or per County of Riverside standard. Any repairs to existing concrete, curb and asphalt must be per County of Riverside standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
154	3	EA	Remove existing master valve, flow sensor, isolation valve and fertilizer injector. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
155	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
156	X	X	This item has been removed from the bidding sheets, per Addendum No. 1	X	X

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
157	1	EA	Remove existing booster pump and enclosure. Return equipment to owner representative.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
158	1	LS	Upgrade existing Calsense controller(s) per irrigation plans.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
159	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A18	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
<b>POC #58</b>					
160	1	EA	Install new 2" Recycled water meter per EMWD standards PB-10. Water meter will be provided by EMWD.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
161	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
162	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
163	2	EA	Provide and install Buckner Superior 3200 normally closed master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
164	2	EA	Provide and install Calsense flow sensor (Size:1.5"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
165	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
166	40	LF	Provide and install 3" Class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
167	60	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
168	18	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
169	1	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____



**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
170	27	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
171	88	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
172	1	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
173	1	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
174	1	EA	Remove existing master valve and flow sensor. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
175	1	LS	Relocate existing irrigation booster pump and enclosure to new location and reconnect to new recycled water point of connection (as shown on plan) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
176	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A19	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
<b>POC #59</b>					
177	270	LF	Provide and install 3" Class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
178	12	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
179	1	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
180	5	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
181	28	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
182	1	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
183	1	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
184	1	EA	Remove existing master valve and flow sensor. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
185	25	LF	Provide and install 6x6 concrete header per Valley-Wide detail LC-33.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
186	1	EA	Replace existing - Provide and install new booster pump per the specifications. See sheet 2 (Index Map) for existing booster pump location and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
187	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A20	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
<b>POC #62</b>					
188	1	EA	Install new 2" Recycled water meter per EMWD standards PB-12. Water meter will be provided by EMWD.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
189	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
190	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
191	1	EA	Provide and install Buckner Superior 3300 normally open master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
192	1	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
193	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
194	320	LF	Provide and install 3" class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
195	300	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
196	17	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
197	2	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
198	30	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
199	82	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
200	2	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
201	2	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
202	1	EA	Connect propose new master valve and flow sensor wires to existing controller. Adjust/setup existing controller for high-flow shut off setting.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
203	1	EA	Provide and install Nibco T-113 gate valve (mainline size). To be installed per detail.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
204	2	EA	Remove existing master valve, flow sensor, isolation valve. Cut and cap mainline.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
205	45	LF	Provide and install 6x6 concrete header per Valley-Wide detail LC-33.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
206	1	LS	Upgrade existing controllers per irrigation plans.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
207	1	EA	Provide and install irrigation booster pump per the specifications and details and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
208	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A21	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
<b>POC #67</b>					
209	1	EA	Install new 2" Recycled water meter per EMWD standards PB-10. Water meter will be provided by EMWD.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
210	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
211	1	EA	Provide and install Yardney strainer MCS3-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
212	1	EA	Provide and install Buckner Superior 3100 normally open master valve (size:3") per detail. Run wires to existing irrigation controller location.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
213	1	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
214	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
215	120	LF	Provide and install 4" Class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
216	120	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
217	7	EA	Provide and install recycled water signage per EMWD standards  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
218	16	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____



**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
219	100	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
220	2	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
221	2	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
222	2	EA	Remove existing master valve and flow sensor. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
223	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
224	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A22	1	LS	Upgrade existing controllers per irrigation plans.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
A23	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
<b>POC #70</b>					
225	1	EA	Install new 1.5" Recycled water meter per EMWD standards PB-12. Water meter will be provided by EMWD.  _____	\$ _____	\$ _____
226	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____	\$ _____	\$ _____
227	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____	\$ _____	\$ _____
228	1	EA	Provide and install Buckner Superior 3200 normally closed master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____	\$ _____	\$ _____
229	1	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____	\$ _____	\$ _____
230	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
231	40	LF	Provide and install 2" Sch.40 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
232	40	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
233	10	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
234	1	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
235	10	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
236	28	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
237	1	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
238	1	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
239	1	EA	Remove existing master valve and flow sensor. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
240	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
241	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A24	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
<b>POC #73</b>					
242	1	EA	Install new 2" Recycled water meter per EMWD standards PB-10. Water meter will be provided by EMWD.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
243	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
244	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
245	1	EA	Provide and install Buckner Superior 3200 normally closed master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
246	1	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
247	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
248	360	LF	Provide and install 3" Class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
249	1,200	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
250	14	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
251	3	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
252	23	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
253	105	EA	Replace all existing irrigation valve box and lid with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
254	3	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
255	3	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
256	3	EA	Remove existing master valve and flow sensor. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
257	650	LF	Provide and install 4" Class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
258	5	EA	Provide and install Zurn Wilkins model 48 gate valve (line size). To be installed inside round purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
259	60	LF	Install 6" PVC purple class 200 sleeve under existing <u>decomposed granite trail/access road</u> . Sleeve must be buried a minimum of 36" from finish grade or existing pavement or per County of Riverside standard. Any repairs to <u>existing trail/access road</u> must be per Valley-Wide standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
260	1	EA	Provide and install irrigation booster pump per specifications and detail and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
261	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
262	3	EA	Upgrade existing controllers per irrigation notes.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A25	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
<b>POC #75</b>					
263	1	EA	Install new 1.5" Recycled water meter per EMWD standards PB-12. Water meter will be provided by EMWD.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
264	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
265	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
266	1	EA	Provide and install Buckner Superior 3200 normally closed master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
267	1	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		



**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
268	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
269	40	LF	Provide and install 2" Sch.40 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
270	40	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
271	8	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
272	1	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
273	10	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
274	27	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
275	1	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
276	1	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
277	1	EA	Remove existing master valve and flow sensor. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
278	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
279	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A26	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
<b>POC #76</b>					
280	1	EA	Install new 1.5" Recycled water meter per EMWD standards PB-12. Water meter will be provided by EMWD.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
281	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
282	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
283	1	EA	Provide and install Buckner Superior 3200 normally closed master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
284	1	EA	Provide and install Calsense flow sensor (Size:1.5"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
285	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
286	40	LF	Provide and install 2" Sch.40 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
287	40	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
288	12	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
289	1	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
290	23	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
291	39	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
292	1	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
293	1	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
294	1	EA	Remove existing master valve and flow sensor. Cut and cap mainline.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
295	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
296	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A27	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
<b>POC #82</b>					
297	1	EA	Install new 3" Recycled water meter per EMWD standards PB-13. Water meter will be provided by EMWD.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
298	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
299	1	EA	Provide and install Yardney strainer MCS3-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
300	1	EA	Provide and install Buckner Superior 3200 normally closed master valve (size:3") per detail. Run wires to existing irrigation controller location.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
301	1	EA	Provide and install Calsense flow sensor (Size:2"). Install per detail. Run wires to existing irrigation controller.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
302	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
303	100	LF	Provide and install 4" Class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
304	40	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction. Utilize existing valve wires.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
305	6	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
306	1	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
307	4	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
308	42	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
309	1	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
310	1	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
311	1	EA	Remove existing master valve and flow sensor. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
312	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source <u>inside existing building</u> per local code.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
313	X	X	This item has been removed from the bidding sheets, per Addendum No. 1.	X	X
314	X	X	This item has been removed from the bidding sheets, per Addendum No. 1.	X	X
315	X	X	This item has been removed from the bidding sheets, per Addendum No. 1.	X	X
316	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
317	X	X	This item has been removed from the bidding sheets, per Addendum No. 1.	X	X
318	X	X	This item has been removed from the bidding sheets, per Addendum No. 1.	X	X
A28	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		



**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
<b>POC #82 TURF REMOVAL RETROFIT AND PLANTING PLAN</b>					
A29	11,900	SF	Complete remove existing turf and plant shrub/groundcover per owner direction.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A30	400	EA	Install to Rainbird XBT-20 threaded emitter with Salco or GPH flexible riser (1) per shrub) and (4) per existing tree. Install per turf retrofit plan.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A31	3	EA	Replace existing valve with Rain Bird drip valve per Valley-Wide detail. Install inside purple valve box per detail.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A32	1	LS	Buried irrigation UVR laterals, ball valves, pressure regulators, check valves, fittings to each plant per turf retrofit plan per Valley-Wide low volume point-to-point details IR-02, IR-30, IR-31, IR-32, IR-33, IR-34 and IR-35.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A33	115	EA	Provide and install 5 gal shrub per Valley-Wide detail PL-04 per turf retrofit plans.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A34	11,900	SF	Provide and install 3" Thick organic cover mulch per Valley-Wide detail PL-07 per turf retrofit plans, or you could remove this bid item and provide separate bid items for these two retrofits.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
A35	285	EA	Provide and install 1 gal shrub per Valley-Wide detail PL-04 per turf retro-fit plans.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A36	1	LS	Sub-grade for vegetative swales per turf retrofit plans.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A37	1	LS	30 Day Maintenance per Valley-Wide maintenance specifications  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
A38	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
<b>POC #85</b>					
319	1	EA	Install new 1.5" Recycled water meter per EMWD standards PB-11. Water meter will be provided by EMWD.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
320	1	EA	Provide and install Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		
321	1	EA	Provide and install Yardney strainer MCS2-1. To be installed above ground with stainless steel enclosure per manufacturer standard and details.  _____	\$ _____	\$ _____
			<b>(Unit Price Written in Words)</b>		

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
322	1	EA	Provide and install Buckner Superior 3200 normally closed master valve (size:2") per detail. Run wires to existing irrigation controller location.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
323	1	EA	Provide and install Calsense flow sensor (Size:1"). Install per detail. Run wires to existing irrigation controller.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
324	1	EA	Provide and install 1" ball valve inside round purple valve box.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
325	50	LF	Provide and install 2.5" Class 315 PVC purple recycled water irrigation mainline (bury 24" min. deep) and connect to existing irrigation POC as shown on plan.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
326	50	LF	Provide and install 14GA. Valve wires for master valve and P7162D Paige cable for flow sensor inside 1.5" PVC Sch.40 conduit and connect to existing controller. Install pull box at 150" O.C. or at any change in direction.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
327	4	EA	Provide and install recycled water signage per EMWD standards.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
328	1	EA	Cut and cap existing irrigation mainline-provide a minimum of 4ft separation. Remove unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
329	10	EA	Replace existing quick coupler with Nelson 7645 (1") quick coupler valve with acme thread and purple locking cover. Install new purple valve box per detail.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
330	20	EA	Replace all existing irrigation valve box's lids only with purple recycled water and label accordingly.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
331	1	EA	Existing domestic irrigation water meter to be removed (By Others).  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
332	1	EA	Existing backflow preventer to be removed. Cut and cap existing line. Remove all unused pipe.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
333	1	EA	Connect propose new master valve and flow sensor wires to existing controller. Adjust/setup existing controller for high-flow shut off setting.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
334	2	EA	Remove existing master valve, flow sensor. Cut and cap mainline.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
335	50	LF	Provide and install 6x6 concrete header per Valley-Wide detail LC-33.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE**

**BIDDING SHEETS**

<b>Bid Item</b>	<b>Aprox. Qty.</b>	<b>Unit</b>	<b>Description Unit Price Written in Words</b>	<b>Unit Price (Figures)</b>	<b>Total Amount (Figures)</b>
336	1	EA	Provide and install new irrigation booster pump per manufacturer standards (see irrigation plans for model number) and provide and install electrical conduit, 240 VAC wiring and breaker(s) to connect booster pump from nearby electrical source per local code.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
337	1	LS	Provide purple cap for recycled water identification to all existing overhead irrigation rotor / spray system.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
A39	1	LS	Incidentals, including repairs and replacements to any existing improvement in order to complete scope of work.  _____ <b>(Unit Price Written in Words)</b>	\$ _____	\$ _____
<b>TOTAL BID AMOUNT (Bid Items 1-337 &amp; A1-A39)</b>					
_____ <b>(Unit Price Written in Words)</b>				\$ _____	

## **EQUIPMENT AND MATERIAL**

No substitution will be permitted without written justification and the approval of the District prior to the bid opening.

**PRODUCTS OF MANUFACTURERS LISTED AS EQUALS TO THOSE SPECIFIED IN THE CONTRACT DOCUMENTS MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DISTRICT NO LATER THAN THE TENTH (10TH) DAY PRECEDING THE DATE SET FOR RECEIPT OF BIDS.**

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT  
PHASE THREE**

**BIDDER'S 3-YEAR EXPERIENCE  
RECORD & RESUMES OF KEY PERSONNEL**

All bidders must provide a **detailed three (3) year** experience record showing successful completion, as a licensed **Class A General Contractor, Class B General Building contractor, or Class C-27 Landscaping Contractor** of at least three (3) similar projects within the last **three (3)** years as follows:

- 1. Public Works**
- 2. \$1,000,000 or greater contract value**
- 3. Owner occupied renovation projects**
- 4. Renovation of publicly accessible areas while maintaining public access for public administration buildings, hospitals, or schools.**

Additionally, bidders must include resumes of key personnel proposed to work on this project when submitting your bid. This information will be critical in determining the most responsible bidder.

Provide client reference contact information for each of the Projects submitted.

**Failure to submit any of the above-mentioned information with your bid  
“may” deem your bid non-responsive**

**VALLEY-WIDE RECREATION**  
**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT**  
**PHASE THREE**

**BIDDER'S 3-YEAR EXPERIENCE**  
**RECORD & RESUMES OF KEY PERSONNEL**

**Bidder Information and Experience Form**

**ARTICLE 1. INFORMATION ABOUT BIDDER**

(Indicate not applicable ("N/A") where appropriate.)

**NOTE:** Where Bidder is a joint venture, pages shall be duplicated and information provided for all parties to the joint venture.

1.0 Name of Bidder: \_\_\_\_\_

2.0 Type, if Entity: \_\_\_\_\_

3.0 Bidder Address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Facsimile Number

Telephone Number

\_\_\_\_\_

Email Address

4.0 How many years has Bidder's organization been in business as a Contractor?  
\_\_\_\_\_

5.0 How many years has Bidder's organization been in business under its present name? \_\_\_\_\_

5.1 Under what other or former names has Bidder's organization operated? \_\_\_\_\_

6.0 If Bidder's organization is a corporation, answer the following:

6.1 Date of Incorporation: \_\_\_\_\_

6.2 State of Incorporation: \_\_\_\_\_

6.3 President's Name: \_\_\_\_\_

6.4 Vice-President's Name(s): \_\_\_\_\_

\_\_\_\_\_

6.5 Secretary's Name: \_\_\_\_\_



**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT  
PHASE THREE**

**BIDDER'S 3-YEAR EXPERIENCE  
RECORD & RESUMES OF KEY PERSONNEL**

6.6 Treasurer's Name: \_\_\_\_\_

7.0 If an individual or a partnership, answer the following:

7.1 Date of Organization: \_\_\_\_\_

7.2 Name and address of all partners (state whether general or limited partnership):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8.0 If other than a corporation or partnership, describe organization and name principals:

\_\_\_\_\_  
\_\_\_\_\_

9.0 List other states in which Bidder's organization is legally qualified to do business.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10.0 What type of work does the Bidder normally perform with its own forces?

\_\_\_\_\_  
\_\_\_\_\_

11.0 Has Bidder ever failed to complete any work awarded to it? If so, note when, where, and why:

\_\_\_\_\_  
\_\_\_\_\_

12.0 Within the last five years, has any officer or partner of Bidder's organization ever been an officer or partner of another organization when it failed to complete a contract? If so, attach a separate sheet of explanation:

\_\_\_\_\_

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT  
PHASE THREE**

**BIDDER'S 3-YEAR EXPERIENCE  
RECORD & RESUMES OF KEY PERSONNEL**

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13.0 List Trade References:

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14.0 List Bank References (Bank and Branch Address):

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15.0 Name of Bonding Company and Name and Address of Agent:

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**VALLEY-WIDE RECREATION  
FRENCH VALLEY RECYCLED WATER RETROFIT PROJCT  
PHASE THREE**

**BIDDER'S 3-YEAR EXPERIENCE  
RECORD & RESUMES OF KEY PERSONNEL**

**ARTICLE 2. LIST OF CURRENT PROJECTS (BACKLOG)**

[\*\*Duplicate Page if needed for listing additional current projects.\*\*]

Project Name	Agency / Contact / Contact Info	Description of Bidder's Work	Completion Date	Cost of Bidder's Work

**VALLEY-WIDE RECREATION  
FRENCH VALLEY RECYCLED WATER RETROFIT PROJCT  
PHASE THREE**

**BIDDER'S 3-YEAR EXPERIENCE  
RECORD & RESUMES OF KEY PERSONNEL**

**ARTICLE 3. LIST OF COMPLETED PROJECTS – LAST THREE YEARS**

[\*\*Duplicate Page if needed for listing additional completed projects.\*\*]

Please include only those projects which are similar enough to demonstrate Bidder's ability to perform the required Work.

Project Name	Agency / Contact / Contact Info	Description of Bidder's Work	Completion Date	Cost of Bidder's Work

**VALLEY-WIDE RECREATION**

**FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT  
PHASE THREE**

**BIDDER'S 3-YEAR EXPERIENCE  
RECORD & RESUMES OF KEY PERSONNEL**

**ARTICLE 4. EXPERIENCE AND TECHNICAL QUALIFICATIONS QUESTIONNAIRE**

***Personnel:***

The Bidder shall identify the key personnel to be assigned to this project in a management, construction supervision or engineering capacity.

1. List each person's job title, name and percent of time to be allocated to this project:

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2. Summarize each person's specialized education:

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3. List each person's years of construction experience relevant to the project:

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4. Summarize such experience:

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Bidder agrees that personnel named in this Bid will remain on this Project until completion of all relevant Work, unless substituted by personnel of equivalent experience and qualifications approved in advance by the District.

**VALLEY-WIDE RECREATION**  
**FRENCH VALLEY RECYCLED WATER RETROFIT PROJCT**  
**PHASE THREE**

**BIDDER'S 3-YEAR EXPERIENCE**  
**RECORD & RESUMES OF KEY PERSONNEL**

***Additional Bidder's Statements:***

If the Bidder feels that there is additional information which has not been included in the questionnaire above, and which would contribute to the qualification review, it may add that information in a statement here or on an attached sheet, appropriately marked:

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**ARTICLE 5. VERIFICATION AND EXECUTION**

These Bid Forms shall be executed only by a duly authorized official of the Bidder:

I declare under penalty of perjury under the laws of the State of California that the foregoing information is true and correct:

Name of Bidder \_\_\_\_\_

Signature \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

## DESIGNATION OF SUBCONTRACTORS

In compliance with the provisions of Sec. 4100-4111, inclusive, of the Public Contract Code of the State of California, and any amendments thereof, each bidder shall set forth below: (a) The name and the location of the place of business of each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work or improvement in an amount in excess of one-half of one percent (1/2 of 1%) of the Contractor's total bid; and (b) the portion of the work which will be done by each such subcontractor.

**Each subcontractor shall possess, both at the time the bid is submitted and at all times when work is performed, a valid contractor's license for the appropriate classification necessary to perform the work for which that subcontractor is listed. Each subcontractor shall be registered with the Department of Industrial Relations at time of bid and during the performance of the Contract.**

If the Contractor fails to specify a subcontractor for any portion of the work to be performed under the contract in excess of one-half of one percent (1/2 of 1%) of the Contractor's total bid, he agrees that he is fully qualified to perform that work himself, and that he shall perform that work himself, and that he shall perform that portion himself.

The Contractor shall not, without the consent of the District, or unless, either: (a) Substitute any person as subcontractor in place of the subcontractor designated in the original bid; (b) Permit any such subcontract to be assigned or transferred or allow it to be performed by anyone other than the original subcontractor listed in the bid; or (c) Sublet or subcontract any portion of the work in excess of one-half of one percent (1/2 of 1%) of the Contractor's total bid as to which his original bid did not designate a subcontractor.

In the following instances, the District may consent to the substitution of another subcontractor:

(1) When the subcontractor listed in the bid after having a reasonable opportunity to do so fails or refuses to execute the written contract which is based upon the general terms, conditions, plans and specifications of the involved project or the terms of the subcontractor's written bid when it is presented to the subcontractor by the prime subcontractor;

(2) When the listed subcontractor becomes bankrupt or insolvent;

(3) When the listed subcontractor fails or refuses to perform his or her subcontract;

(4) When the listed subcontractor fails or refuses to meet the bond requirements of the prime Contractor to furnish a bond guaranteeing prompt and faithful performance of the subcontract and the payment of all claims for labor and materials furnished or used pursuant to Public Contract Code 4108;

(5) When the prime Contractor demonstrates to the District, as set forth in Public Contract Code 4107.5 that the name of the subcontractor was listed as the result of an inadvertent clerical error;

As a condition to assert claim of clerical error, the Contractor must give written notice of the inadvertent clerical error to the District with copies to both the listed and intended subcontractor within two (2) working days of the time of the prime bid opening. The District shall consent to the substitution if the prime Contractor and both subcontractor listed in error and the intended subcontractor each submit an affidavit to the District within eight (8) working days of the time of the prime bid opening indicating that an inadvertent clerical error was made.

The District shall also consent to the substitution of the intended Contractor if affidavits are filed by both the prime Contractor and the intended Subcontractor within six (6) working days and the subcontractor claimed to be listed in error does not submit within six (6) working days a written objection to the claim to both the District and the Contractor.

However, if the listed subcontractor submits a written objection to the Contractor's claim of inadvertent clerical error within six (6) working days from the time of the prime bid opening, the District shall investigate the claims of the parties and shall hold a public hearing as described herein to determine the validity of those claims.

Any declarations submitted must be submitted under penalty of perjury by all three (3) parties and supported by testimony under oath and subject to cross-examination.

(6) When the listed Contractor is not licensed pursuant to the Contractor's license law;

(7) When the District determines that the work performed by the listed subcontractor is substantially unsatisfactory and not in substantial accordance with the plans and specifications, or that the subcontractor is substantially delaying or disrupting the progress of the work.

Prior to any substitution of a subcontractor, the District shall give notice in writing to the listed subcontractor of the request to substitute subcontractors and the reasons for the request. The notice shall be served by registered or certified mail to the last known address of the subcontractor. The listed subcontractor who has been so notified shall have five (5) working days within which to submit written objections to the substitution to the District. Failure to file these written objections shall constitute the listed subcontractor's consent to the substitution. If written objections are filed, the District shall give notice in writing of at least five (5) working days to the listed subcontractor of a hearing by the District on the Contractor's request for substitution.

The original bid need not designate a subcontractor for the performance of any change orders.

No subletting or subcontracting of any portion of the work in excess of one-half of one percent (1/2 of 1%) of the prime Contractor's total bid shall be permitted except in cases of public emergency or necessity and then only after a written finding is made by the District as a public record setting forth the facts constituting the emergency or necessity.

As used in this designation, the term subcontractor means only those subcontractors who contract directly with the prime Contractor.



If the Contractor violates any of the provisions of this section, it is deemed to have violated and breached this contract, and the District may exercise the option in its own discretion of: (1) canceling the contract; or (2) assessing the contract or a penalty in an amount of not more than ten percent (10%) of the amount of the subcontract involved, and this penalty shall be deposited in the fund out of which the prime contract is awarded. The Contractor shall be entitled to a public hearing in five (5) days notice of the time and place of the hearing.

**LIST OF DESIGNATED SUBCONTRACTORS**

<b>SPEC #:</b>	<b>2023-134</b>
<b>PROJECT TITLE:</b>	<b>French Valley Recycled Water Retrofit Project Phase Three</b>
<b>NAME OF CONTRACTOR:</b>	

In compliance with the provisions of Sec. 4100-4111, inclusive, of the Public Contract Code of the State of California, and any amendments thereof, each bidder shall set forth: the name, location of the place of business, license number, portion of the work which will be done by each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work or improvement in an amount in excess of one-half of one percent (1/2 of 1%) of the Contractor's total bid. Each portion of Subcontracted work noted in the below table must be specific and contain all major activities associated with completion of the project, outside of the services provided by the bidding Contractor. Ambiguous and/or incomplete Subcontracted work information may deem the bid nonresponsive. **Each subcontractor shall possess, both at the time the bid is submitted and at all times when work is performed, a valid contractor's license for the appropriate classification necessary to perform the work for which that subcontractor is listed.**

**BIDDER SHALL PROVIDE THE FOLLOWING INFORMATION:**

**Company Name, Business Address, Email Address, License No., Contractor Registration No., Subcontract Work, and % Of Total Bid**

**\* PLEASE WRITE LEGIBLY\***

LICENSED SUBCONTRACTOR'S NAME, BUSINESS ADDRESS, & EMAIL ADDRESS	LICENSE #	SUBCONTRACT WORK <b>(Be Specific)</b>	% OF TOTAL BID
	CONTRACTOR REGISTRATION #		
<i>Company Name:</i>	<i>License #:</i>		
<i>Address:</i>	<i>DIR Registration #:</i>		
<i>Email Address:</i>			
<i>Company Name:</i>	<i>License #:</i>		
<i>Address:</i>	<i>DIR Registration #:</i>		
<i>Email Address:</i>			

LICENSED SUBCONTRACTOR'S NAME, BUSINESS ADDRESS, & EMAIL ADDRESS	LICENSE #	SUBCONTRACT WORK <i>(Be Specific)</i>	% OF TOTAL BID
<i>Company Name:</i> <hr/> <i>Address:</i> <hr/> <i>Email Address:</i>	<i>License #:</i> <hr/> <i>DIR Registration #:</i>		
<i>Company Name:</i> <hr/> <i>Address:</i> <hr/> <i>Email Address:</i>	<i>License #:</i> <hr/> <i>DIR Registration #:</i>		
<i>Company Name:</i> <hr/> <i>Address:</i> <hr/> <i>Email Address:</i>	<i>License #:</i> <hr/> <i>DIR Registration #:</i>		
<i>Company Name:</i> <hr/> <i>Address:</i> <hr/> <i>Email Address:</i>	<i>License #:</i> <hr/> <i>DIR Registration #:</i>		
<i>Company Name:</i> <hr/> <i>Address:</i> <hr/> <i>Email Address:</i>	<i>License #:</i> <hr/> <i>DIR Registration #:</i>		

(Do not list alternative subcontractors for the same work) (Use additional pages if needed)

## **Public Works Contractor Registration Certification**

Pursuant to Labor Code sections 1725.5 and 1771.1

All contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the Department of Industrial Relations. See <http://www.dir.ca.gov/Public-Works/PublicWorks.html> for additional information.

No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work.

Bidder hereby certifies that it is aware of the registration requirements set forth in Labor Code sections 1725.5 and 1771.1 and is currently registered as a contractor with the Department of Industrial Relations.

Name of Bidder: \_\_\_\_\_

DIR Registration Number: \_\_\_\_\_

DIR Registration Expiration: \_\_\_\_\_

Bidder further acknowledges:

1. Bidder shall maintain a current DIR registration for the duration of the project.
2. Bidder shall include the requirements of Labor Code sections 1725.5 and 1771.1 in its contract with subcontractors and ensure that all subcontractors are registered at the time of bid opening and maintain registration status for the duration of the project.
3. Failure to submit this form or comply with any of the above requirements may result in a finding that the bid is non-responsive.

Name of Bidder \_\_\_\_\_

Signature \_\_\_\_\_

Name and Title \_\_\_\_\_

Dated \_\_\_\_\_

**CONTRACTOR'S LICENSING STATEMENT**

The undersigned is licensed in accordance with the laws of the State of \_\_\_\_\_ providing for the registration of contractors. The representations made herein and in the proposal documents are made under penalty of perjury. The undersigned is hereby representing that he is properly licensed both at the time that he submits a bid as well as at the time the contract is awarded, if the contract is awarded to the undersigned.

**CONTRACTOR'S CLASSIFICATION** \_\_\_\_\_

**LICENSE NUMBER** \_\_\_\_\_ **TYPE** \_\_\_\_\_ **EXPIRATION DATE** \_\_\_\_\_

**A. INDIVIDUAL CONTRACTOR**

<b>NAME OF INDIVIDUAL CONTRACTOR:</b>
<b>BUSINESS ADDRESS:</b>
<b>PHONE NUMBER:</b>
<b>SIGNATURE OF OWNER:</b>

**B. FIRM OR PARTNERSHIP**

<b>NAME OF FIRM OR PARTNERSHIP:</b>
<b>BUSINESS ADDRESS:</b>
<b>PHONE NUMBER:</b>
<b>SIGNATURE(S) &amp; TITLE OF MEMBERS SIGNING ON BEHALF OF THE PARTNERSHIP:</b>
<b>SIGNATURE:</b> _____ <b>TITLE:</b> _____
<b>SIGNATURE:</b> _____ <b>TITLE:</b> _____
<b>SIGNATURE:</b> _____ <b>TITLE:</b> _____

**C. CORPORATION**

<b>NAME OF CORPORATION:</b>
<b>BUSINESS ADDRESS:</b>
<b>PHONE NUMBER:</b>
<b>SIGNATURE OF AUTHORIZED OFFICER OF CORPORATION:</b>
<b>SIGNATURE:</b> _____ <b>TITLE:</b> _____

**NON-COLLUSION DECLARATION**

**TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID**

The undersigned declares:

I am the \_\_\_\_\_ of \_\_\_\_\_,  
the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or of any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on \_\_\_\_\_ [date],  
at \_\_\_\_\_ [city], \_\_\_\_\_ [state]

Signed: \_\_\_\_\_

Name: \_\_\_\_\_  
*(Print Name Here)*

Project Title: \_\_\_\_\_

**WORKERS' COMPENSATION INSURANCE CERTIFICATE**

The Contractor shall execute the following form as required by the California Labor Code, Sections 1860 and 1861:

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract. Date: (Contractor) By: (Signature) (Title)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Contractor)

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)

**IRAN CONTRACTING ACT**  
**(Public Contract Code sections 2202-2208)**

Prior to bidding on, submitting a proposal or executing a contract or renewal for a State of California contract for goods or services of \$1,000,000 or more, a vendor must either: a) certify it is **not** on the current list of persons engaged in investment activities in Iran created by the California Department of General Services (“DGS”) pursuant to Public Contract Code section 2203(b) and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS; or b) demonstrate it has been exempted from the certification requirement for that solicitation or contract pursuant to Public Contract Code section 2203(c) or (d).

To comply with this requirement, please insert your vendor or financial institution name and Federal ID Number (if available) and complete **one** of the options below. Please note: California law establishes penalties for providing false certifications, including civil penalties equal to the greater of \$250,000 or twice the amount of the contract for which the false certification was made; contract termination; and three-year ineligibility to bid on contracts. (Public Contract Code section 2205.)

**OPTION #1 - CERTIFICATION**

I, the official named below, certify I am duly authorized to execute this certification on behalf of the vendor/financial institution identified below, and the vendor/financial institution identified below is **not** on the current list of persons engaged in investment activities in Iran created by DGS and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person/vendor, for 45 days or more, if that other person/vendor will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

<i>Vendor Name/Financial Institution (Printed)</i>	<i>Federal ID Number (or n/a)</i>
<i>By (Authorized Signature)</i>	
<i>Printed Name and Title of Person Signing</i>	
<i>Date Executed</i>	<i>Executed in</i>

**OPTION #2 – EXEMPTION**

Pursuant to Public Contract Code sections 2203(c) and (d), a public entity may permit a vendor/financial institution engaged in investment activities in Iran, on a case-by-case basis, to be eligible for, or to bid on, submit a proposal for, or enters into or renews, a contract for goods and services.

If you have obtained an exemption from the certification requirement under the Iran Contracting Act, please fill out the information below, and attach documentation demonstrating the exemption approval.

<i>Vendor Name/Financial Institution (Printed)</i>	<i>Federal ID Number (or n/a)</i>
<i>By (Authorized Signature)</i>	
<i>Printed Name and Title of Person Signing</i>	<i>Date Executed</i>



# **Cal/OSHA Form 300A**

## **Annual Summary of Work-Related Injuries and Illnesses**

**Bidders shall provide the most current, completed  
Cal/OSHA Form 300A with their bid (blank form attached)**

**Failure to submit this form “may” deem your bid non-responsive**

[PAGE LEFT INTENTIONALLY BLANK]

# Annual Summary of Work Related Injuries and Illnesses



All establishments covered by CCR Title 8 Section 14300 must complete this Annual Summary, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0."

Employees, former employees, and their representatives have the right to review the Cal/ OSHA Form 300 in its entirety. They also have limited access to the Cal/ OSHA Form 301 or its equivalent. See CCR Title 8 Section 14300.35, in Cal/ OSHA's recordkeeping rule, for further details on the access provisions for these forms.

### Facility Information

Establishment name \_\_\_\_\_

Street \_\_\_\_\_

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

Industry description (e.g. Manufacturer of motor truck trailers)

\_\_\_\_\_

Standard Industrial Classification (SIC), if known (e.g. SIC 3715)

\_\_\_\_\_

### Employment Information

(If you don't have these figures, use the optional Worksheet to estimate)

Annual average number of employees \_\_\_\_\_

Total hours worked by all employees last year \_\_\_\_\_

### Sign here

**Knowingly falsifying this document may result in a fine.**

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

\_\_\_\_\_  
Company executive Title

\_\_\_\_\_  
Phone Date

### Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
_____	_____	_____	_____
(G)	(H)	(I)	(J)

### Number of Days

Total number of days of job transfer or restriction	Total number of days away from work
_____	_____
(K)	(L)

### Injury and Illness Types

Total number of...	(M)
(1) Injuries	_____
(2) Skin disorders	_____
(3) Respiratory conditions	_____
(4) Poisonings	_____
(5) Hearing loss	_____
(6) All other Illnesses	_____

Post this Annual Summary from February 1 to April 30 of the year following the year covered by the form.

[PAGE LEFT INTENTIONALLY BLANK]

# VALLEY-WIDE RECREATION BID BOND

Bid Bond No.

KNOW ALL MEN BY THESE PRESENTS, that we \_\_\_\_\_  
(Here insert full name and address or legal title of Contractor)

\_\_\_\_\_ as Principal, hereinafter called the Principal, and

\_\_\_\_\_ (Here insert full name and address or legal title of Surety)

A corporation duly organized under the laws of the State of \_\_\_\_\_ as Surety,  
Hereinafter call the Surety, are held and firmly bound unto Valley-Wide Recreation.

Obligee, hereinafter all the Obligee, in the sum of \_\_\_\_\_

\_\_\_\_\_ Dollars (\_\_\_\_\_),  
for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves,  
our heir, executors, administrator, successors and assigns, jointly and severally firmly by these presents.

WHEREAS, the Principal has submitted a bid, dated \_\_\_\_\_, 20\_\_\_\_, for \_\_\_\_\_

\_\_\_\_\_ (Here insert full name, address and description of Project)

NOW, THEREFORE, IF THE Obligee shall accept the bid of the Principal and the Principal shall enters into a  
Contracto with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be  
specified in the bidding of Contract Documents with good and sufficient surety for the faithful performance of  
such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the  
event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall  
pay the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and  
such larger amount for which the Obligee may in good faith contract with another party to perform the Work  
covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

In the event suit is brought upon this Bond by Obligee and judgement is recovered , the Surety shall pay all  
costs incurred by Obligee in such suits to be fixed by the court.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_,

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Principal)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Surety)

\_\_\_\_\_  
(Title)

The Bid Bond (BB-1) form shall be submitted to be considered a responsive bid

**Notary Public Acknowledgement required for Surety  
Per Civil Code 1189 a notice must be legible and provided at the top in an enclosed box to be deemed responsible**

# SAMPLE ALL PURPOSE ACKNOWLEDGEMENT FORM

Per Civil Code 1189 a notice must be legible and provided at the op in an enclosed box to be deemed responsive

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT**

**CIVIL CODE 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of

## VALLEY-WIDE RECREATION

### FRENCH VALLEY RECYCLED WATER RETROFIT PROJECT PHASE THREE

#### SECTION P - CONTRACT DRAWINGS

**P-01. General.** The location of the work, its general nature and extent, the outline of the land owned or controlled by the District and the form and general dimensions of the facilities (ie. pipelines, appurtenances, etc.) are as shown on the drawings attached and made a part of this Specification as listed below.

**P-02. Construction Drawings**

Drawing Title

POC 24 Recycled Water Irrigation Retrofit Improvement Plan  
POC 24 Turf Removal Retrofit and Planting Improvement Plan  
POC 28 Delta 1 Recycled Water Irrigation Retrofit Improvement Plan  
POC 35 Recycled Water Irrigation Retrofit Improvement Plan  
POC 38 Recycled Water Irrigation Retrofit Improvement Plan  
POC 47 Recycled Water Irrigation Retrofit Improvement Plan  
POC 49 Recycled Water Irrigation Retrofit Improvement Plan  
POC 52 Recycled Water Irrigation Retrofit Improvement Plan  
POC 58 Recycled Water Irrigation Retrofit Improvement Plan  
POC 62 Recycled Water Irrigation Retrofit Improvement Plan  
POC 67 Delta 1 Recycled Water Irrigation Retrofit Improvement Plan  
POC 70 Delta 1 Recycled Water Irrigation Retrofit Improvement Plan  
POC 73 Recycled Water Irrigation Retrofit Improvement Plan  
POC 75 Recycled Water Irrigation Retrofit Improvement Plan  
POC 76 Recycled Water Irrigation Retrofit Improvement Plan  
POC 82 Recycled Water Irrigation Retrofit Improvement Plan  
POC 82 Turf Removal Retrofit and Planting Improvement Plan  
POC 85 Recycled Water Irrigation Retrofit Improvement Plan

**General**



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**INSTALLATION NOTES**

THE MATERIALS AND THE INSTALLATION OF THE PLANTING SHOWN ON THIS PLAN SHALL MEET THE LATEST VALLEY-WIDE STANDARDS AND SPECIFICATIONS AT COMMENCEMENT OF WORK. IF CONTRACTOR NOTICES ANY INCONSISTENCIES WITH THE LATEST DESIGN STANDARDS, ONE SHALL IMMEDIATELY NOTIFY ALL PARTIES.

**PLAN DRAWING NOTE:**

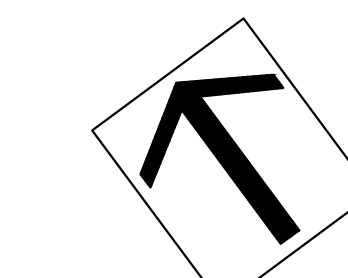
THIS RETROFIT PLAN IS BASED ON BASE FILES PROVIDED BY EMWD THAT WERE BASED ON PLANS NOT PREPARED BY EMWD / EMWD REPRESENTATIVE. VALLEY-WIDE / VALLEY-WIDE REPRESENTATIVES, EMWD AND OR EMWD REPRESENTATIVES ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. IT ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS, EQUIPMENT, UTILITIES AND REQUIREMENTS.

**PLANTING LEGEND**

SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
⊕	111	5 GAL.	HETERMOLES ARBUTIFOLIA	TOYON	PL-04
⊕	179	5 GAL.	LEUCOPHYLLUM FRUITESCENS	TEXAS RANGER	PL-04
⊕	326	1 GAL.	WESTRINGA FRUITICOSA	DWARF COSTA ROSEMARY	PL-04
⊕	92	1 GAL.	CALISTOMEN VIMINALIS	BOTTLEBRUSH 'LITTLE JOHN'	PL-04
⊕	146	1 GAL.	SALVIA GREGGII	AUTUMN SAGE	PL-04
⊕	445	1 GAL.	MUHLENBERGIA REGENS	DEERGRASS	PL-04
⊕	758	1 GAL.	ROSMARINUS OFFICINALIS	TRAILING ROSEMARY	PL-04
⊕	62	1 GAL.	JUNCUS PATENS	GRAY RUSH	PL-04
⊕	296	1 GAL.	ACACIA REDOLENS	ACACIA 'DESERT CARPET'	PL-04
⊕	193	1 GAL.	JUNIPERUS WILTONII	CREEPING JUNIPER	PL-04
⊕	PER PLAN	6"X6"	CONCRETE HEADER (+/-490 L.F.)	POURED IN PLACE PER DETAIL	LC-33
⊕	96,780	3" DEEP	ORGANIC COVER MULCH	TURF REMOVAL +/- 99,600 SQ.FT	PL-07
⊕	12,800	3" DEEP	CA. GOLD STABILIZED DG	COMPACT TO 90% DENSITY	LC-01

- ① CONVERT EXISTING RCV TO DRIP RCV PER VALLEY-WIDE STANDARD SPECIFICATIONS.
- ② PROVIDE AND INSTALL DRIP SUPPLY LATERAL LINE WITH CHECK VALVES AS NEEDED PER VALLEY-WIDE STANDARD SPECIFICATIONS. ALL PIPING MUST BE UVR BURIED 4" BELOW GRADE.
- ③ PROVIDE AND INSTALL DRIP LATERAL LINE ZONE AS NEEDED TO PROVIDE IRRIGATION TO EACH NEW PLANT PER VALLEY-WIDE STANDARD SPECIFICATIONS AND DETAILS, INCLUDING ALL BALL VALVES, PRESSURE REGULATORS, UVR TEES, UVR PIPING, J-HOOKS, FLEX RISERS, THREADED EMITTERS, COATED STAPLES AND FLUSH VALVES. CONTRACTOR TO PROVIDE LAYOUTS FOR VALLEY-WIDE APPROVAL PRIOR TO INSTALLATION. ALL PIPING MUST BE UVR BURIED 4" BELOW GRADE.
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- ⑥ PROTECT IN PLACE EXISTING QCV TYP.

MATCHLINE SEE SHEET 02



0 10 20 30 40  
SCALE: 1"=20'

**NOTE:**  
CONTRACTOR SHALL BID 300 ADDITIONAL 1 GALLON PLANTS TO BE ADDED AS DIRECTED BY FIELD INSPECTOR.  
SEE SHEETS PL-04 AND PL-06 FOR DETAILS.

<p><b>DIG ALERT</b> Call: TOLL FREE 1-800-227-2600 OR 811 TWO FULL WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCH MARK</b> DESCRIPTION: _____ LOCATION: _____ VERTICAL DATUM: _____ HORIZONTAL DATUM: _____</p>	<p style="text-align: center;">ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT</p> <p>DEPARTMENT: _____ ACCEPTANCE: <i>[Signature]</i> DATE: <b>3-22-23</b></p>	<p style="text-align: center;">REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>MARK</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	BY	MARK	DESCRIPTION																<p style="text-align: center;">ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT</p> <p>DEPARTMENT: _____ ACCEPTANCE: _____ DATE: _____</p>	<p style="text-align: center;">VALLEY-WIDE RECREATION AND PARK DISTRICT WINCHESTER, CA. TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS POC #24 - ABELIA AND BROOKFIELD PARK PLANTING PLAN</p>	<p><b>PL-01</b> SHT. 1 OF 15 DATE: 03-07-2023</p>
	NO.	DATE	BY	MARK	DESCRIPTION																					
<p>DATE: _____</p>		<p>DRAWN BY: _____</p>		<p>DEPARTMENT: NEW BUSINESS P.C.</p>																						
<p>CHECKED BY: _____</p>		<p>DATE: _____ BY: _____ MARK: _____</p>		<p>OPERATIONS ENGINEERING</p>																						



MATCHLINE SEE SHEET 01



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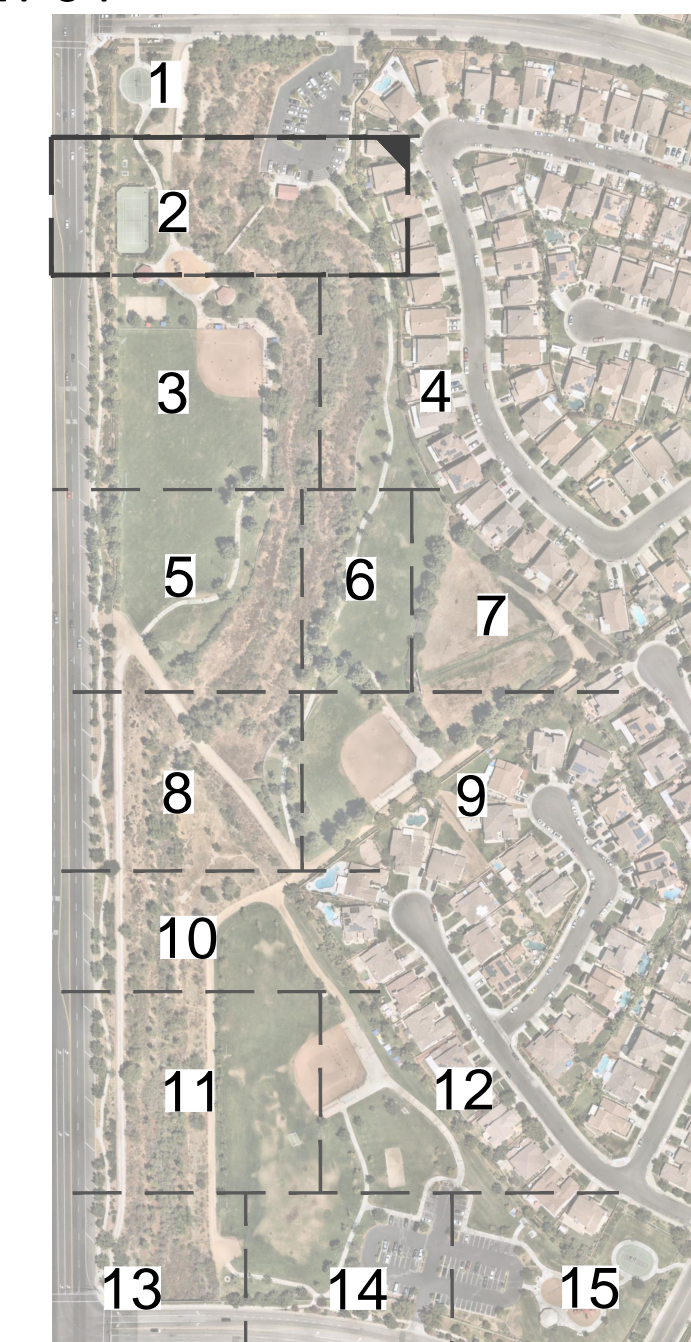
**PLANTING LEGEND**

SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
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⊕	758	1 GAL.	ROSMARINUS OFFICINALIS	TRAILING ROSEMARY	PL-04
⊕	62	1 GAL.	JUNCUS PATENS	GRAY RUSH	PL-04
⊕	296	1 GAL.	ACACIA REDOLENS	ACACIA 'DESERT CARPET'	PL-04
⊕	193	1 GAL.	JUNIPERUS WILTONII	CREeping JUNIPER	PL-04
⊕	PER PLAN	6"X6"	CONCRETE HEADER (+/-490 L.F.)	POURED IN PLACE PER DETAIL	LC-33
⊕	96,780	3" DEEP	ORGANIC COVER MULCH	TURF REMOVAL +/- 99,600 SQ.FT	PL-07
⊕	12,600	3" DEEP	CA. GOLD STABILIZED DG	COMPACT TO 90% DENSITY	LC-01

- ① CONVERT EXISTING RCV TO DRIP RCV PER VALLEY-WIDE STANDARD SPECIFICATIONS.
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MATCHLINE SEE SHEET 03

MATCHLINE SEE SHEET 04



**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	3-22-23

DATE: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

**REVISIONS**

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

SENIOR CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
ENGINEERING		
POS ENGINEER		

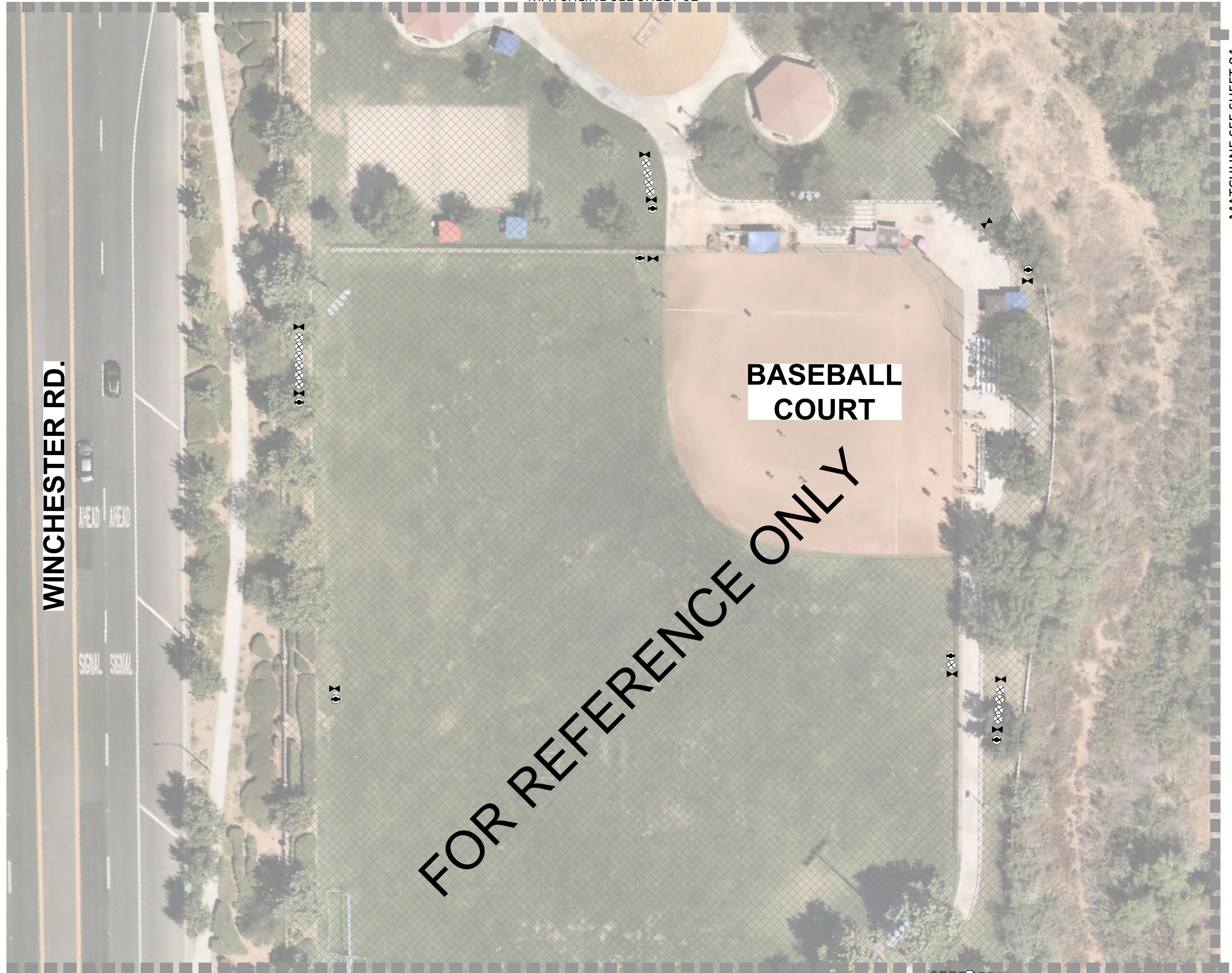
VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS  
POC #24 - ABELIA AND BROOKFIELD PARK  
PLANTING PLAN

**PL-02**

SHT. 2 OF 15  
DATE: 03-07-2023

MATCHLINE SEE SHEET 02

MATCHLINE SEE SHEET 04



**BASEBALL COURT**

**FOR REFERENCE ONLY**

MATCHLINE SEE SHEET 05 ■ SEE SHEET 06

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⊕	99,790 SQ.FT.		3" DEEP ORGANIC COVER MULCH	TURF REMOVAL +/- 99,600 SQ.FT	PL-07
⊕	2,820 SQ.FT.		3" DEEP CA. GOLD STABILIZED DG	COMPACT TO 90% DENSITY	LC-01

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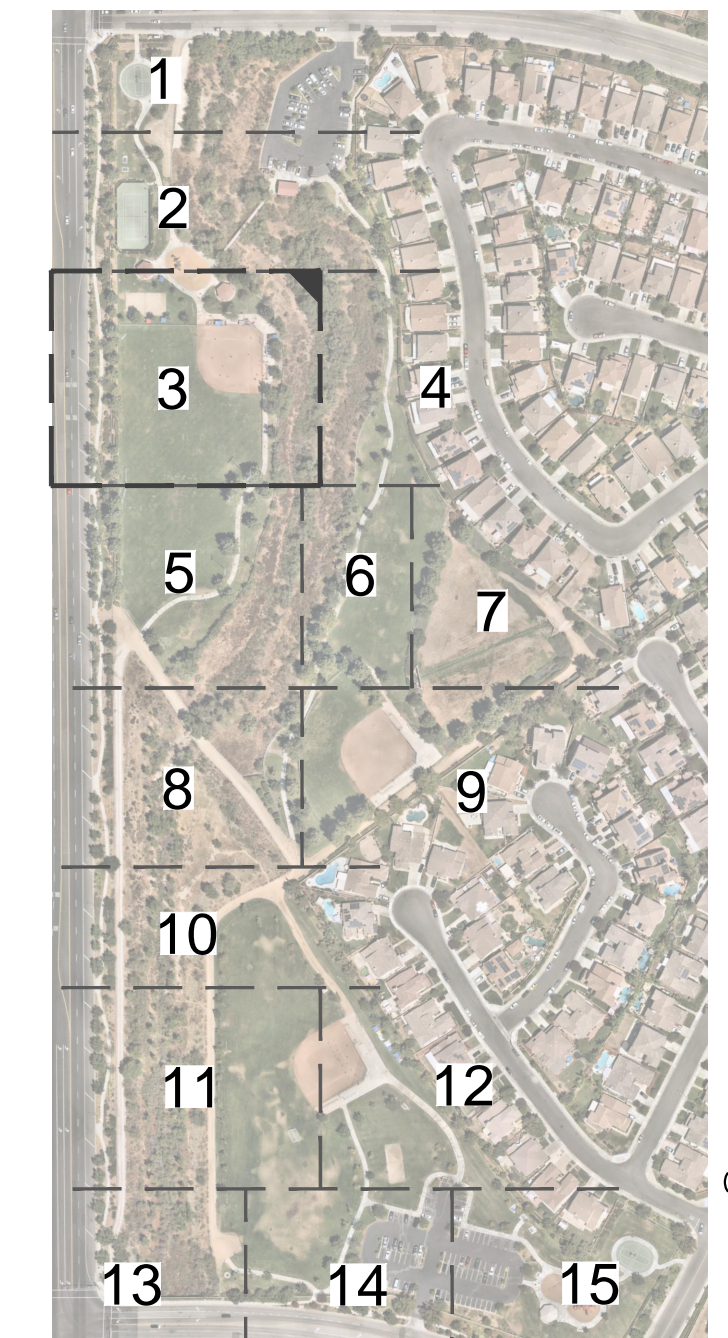
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**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**  
DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:  
**VALLEY-WIDE RECREATION AND PARK DISTRICT**

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	3-22-23

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY:  
**EASTERN MUNICIPAL WATER DISTRICT**

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
ENGINEERING		
POS ENGINEER		

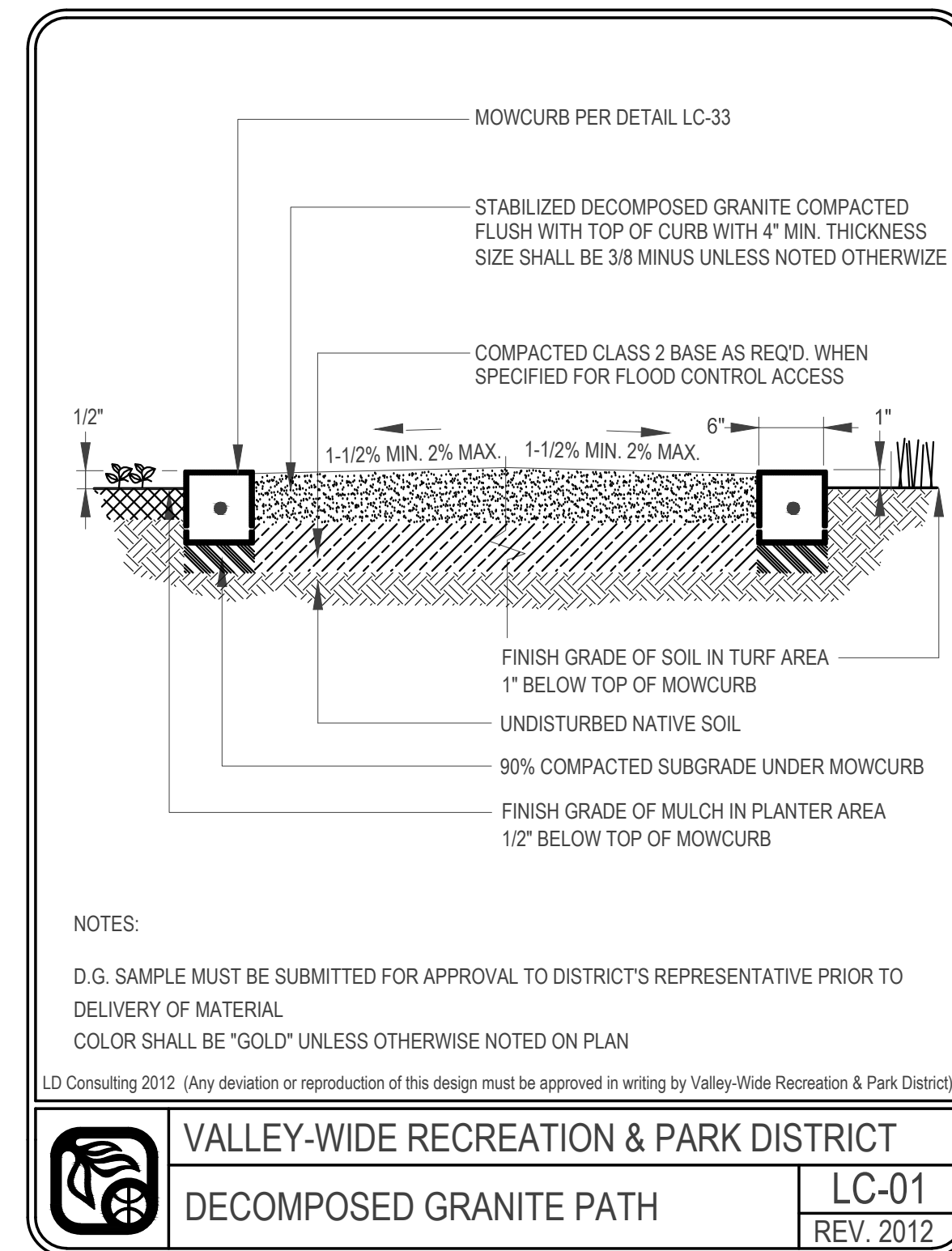
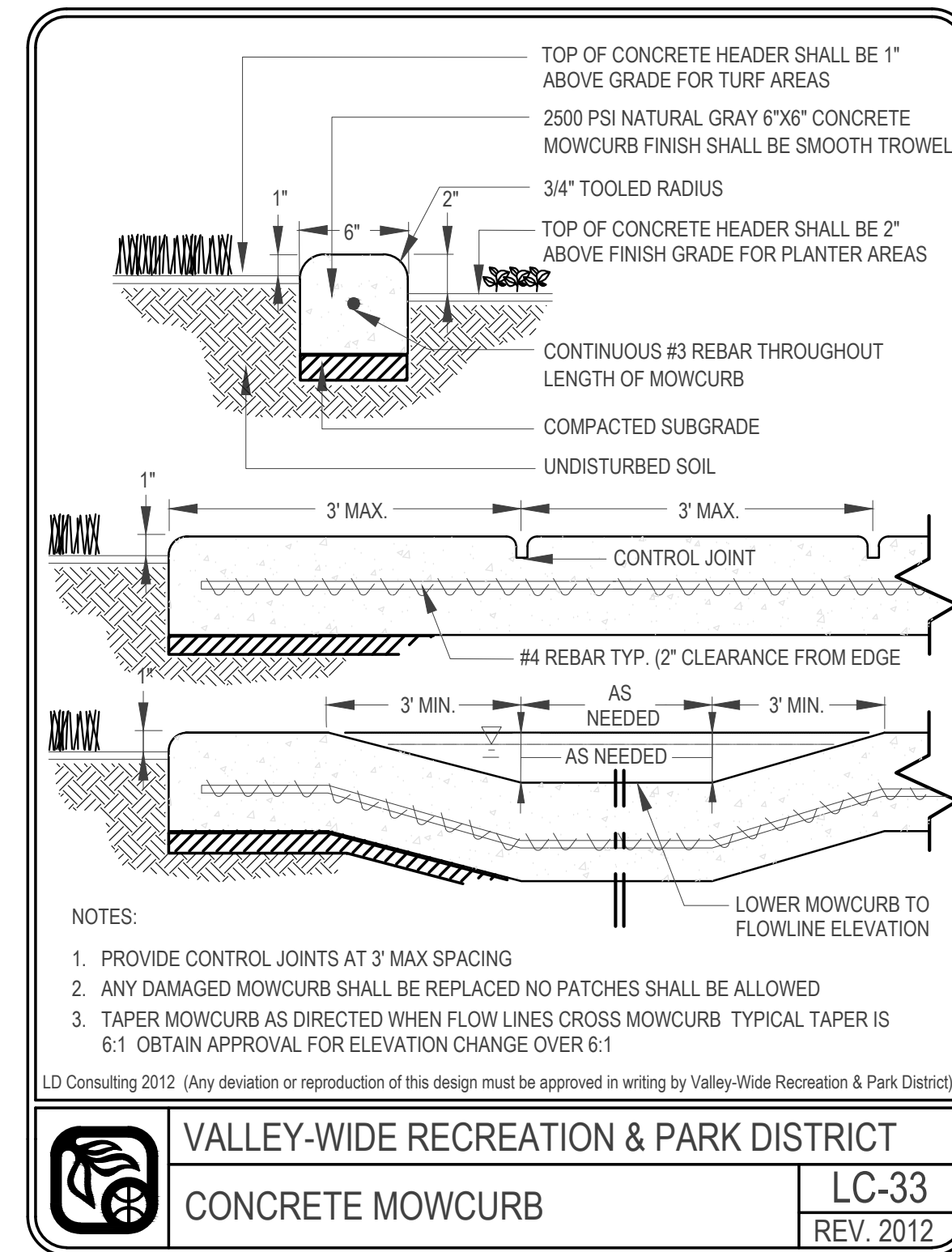
VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS  
POC #24 - ABELIA AND BROOKFIELD PARK  
**PLANTING PLAN**

**PL-03**

SHT. 3 OF 15  
DATE: 03-07-2023

MATCHLINE SEE SHEET 02

MATCHLINE SEE SHEET 03



MATCHLINE SEE SHEET 06

SEE SHEET 07

**PLANTING LEGEND**

SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
⊕	111	5 GAL.	HETEROMOLES ARBUTIFOLIA	TOYON	PL-04
⊕	179	5 GAL.	LEUCOPHYLLUM FRUITESCENS	TEXAS RANGER	PL-04
⊕	326	1 GAL.	WESTRINGIA FRUITICOSA	DWARF COSTA ROSEMARY	PL-04
⊕	92	1 GAL.	CALISTOMEN VIMINALIS	BOTTLEBRUSH 'LITTLE JOHN'	PL-04
⊕	146	1 GAL.	SALVIA GREGGII	AUTUMN SAGE	PL-04
⊕	445	1 GAL.	MUHLENBERGIA REGENS	DEERGRASS	PL-04
⊕	758	1 GAL.	ROSMARINUS OFFICINALIS	TRAILING ROSEMARY	PL-04
⊕	62	1 GAL.	JUNCUS PATENS	GRAY RUSH	PL-04
⊕	296	1 GAL.	ACACIA REDOLENS	ACACIA 'DESERT CARPET'	PL-04
⊕	193	1 GAL.	JUNIPERUS WILTONII	CREEPING JUNIPER	PL-04
(A)	PER PLAN	6"x6"	CONCRETE HEADER (+/-490 L.F.)	POURED IN PLACE PER DETAIL	LC-33
■	99,790	3' DEEP	ORGANIC COVER MULCH	TURF REMOVAL +/- 99,600 SQ.FT	PL-07
■	2,820	3' DEEP	CA. GOLD STABILIZED DG	COMPACT TO 90% DENSITY	LC-01

1. CONVERT EXISTING RCV TO DRIP RCV PER VALLEY-WIDE STANDARD SPECIFICATIONS.
2. PROVIDE AND INSTALL DRIP SUPPLY LATERAL LINE WITH CHECK VALVES AS NEEDED PER VALLEY-WIDE STANDARD SPECIFICATIONS. ALL PIPING MUST BE UVR BURIED 4" BELOW GRADE.
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4. PROTECT IN PLACE EXISTING RCV TYP.
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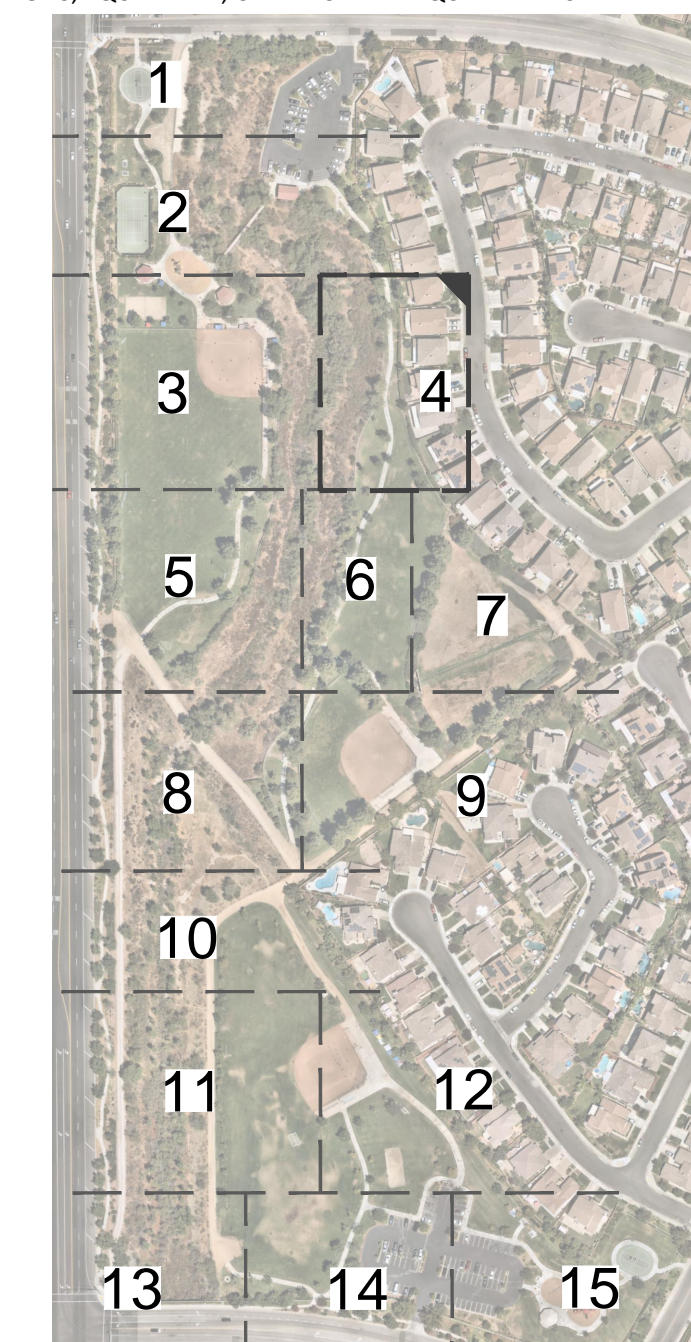
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BENCH MARK DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	3-22-23

DATE: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

REVISIONS						
DATE	BY	MARK	DESCRIPTION	APPR.	DATE	EMWD

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT

SENIOR CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS

POC #24 - ABELIA AND BROOKFIELD PARK

PLANTING PLAN

**PL-04**

SHT. 4 OF 15

DATE: 03-07-2023

MATCHLINE SEE SHEET 03



SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL	
⊕	111	5 GAL.	HETEROMOLIS ARBUTIFOLIA	TOYON	PL-04	
⊕	179	5 GAL.	LEUCOPHYLLUM FRUITESCENS	TEXAS RANGER	PL-04	
⊕	326	1 GAL.	WESTRINGA FRUITICOSA	DWARF COSTA ROSEMARY	PL-04	
⊕	92	1 GAL.	CALISTOMEN VIMINALIS	BOTTLEBRUSH 'LITTLE JOHN'	PL-04	
⊕	146	1 GAL.	SALVIA GREGGII	AUTUMN SAGE	PL-04	
⊕	445	1 GAL.	MUHLENBERGIA REGENS	DEERGRASS	PL-04	
⊕	758	1 GAL.	ROSMARINUS OFFICINALIS	TRAILING ROSEMARY	PL-04	
⊕	62	1 GAL.	JUNCUS PATENS	GRAY RUSH	PL-04	
⊕	296	1 GAL.	ACACIA REDOLENS	ACACIA 'DESERT CARPET'	PL-04	
⊕	193	1 GAL.	JUNIPERUS WILTONII	CREeping JUNIPER	PL-04	
⊕	PER PLAN	6"X6"	CONCRETE HEADER (+/-490 L.F.)	POURED IN PLACE PER DETAIL	LC-33	
⊕	15,780	SQ. FT.	3' DEEP	ORGANIC COVER MULCH	TURF REMOVAL +/- 99,600 SQ.FT	PL-07
⊕	2,820	SQ. FT.	3' DEEP	CA. GOLD STABILIZED DG	COMPACT TO 90% DENSITY	LC-01

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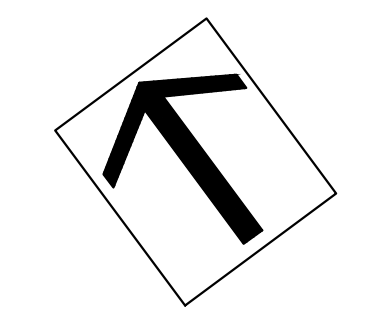
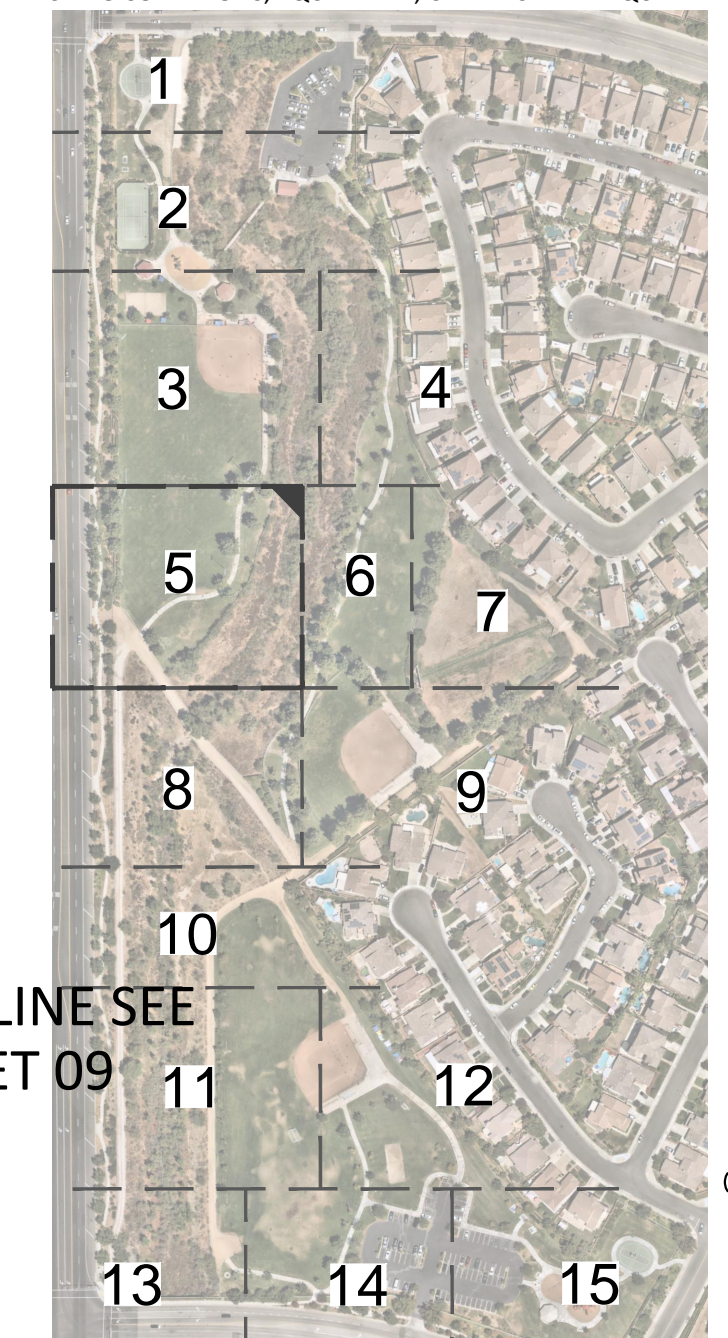
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MATCHLINE SEE SHEET 06

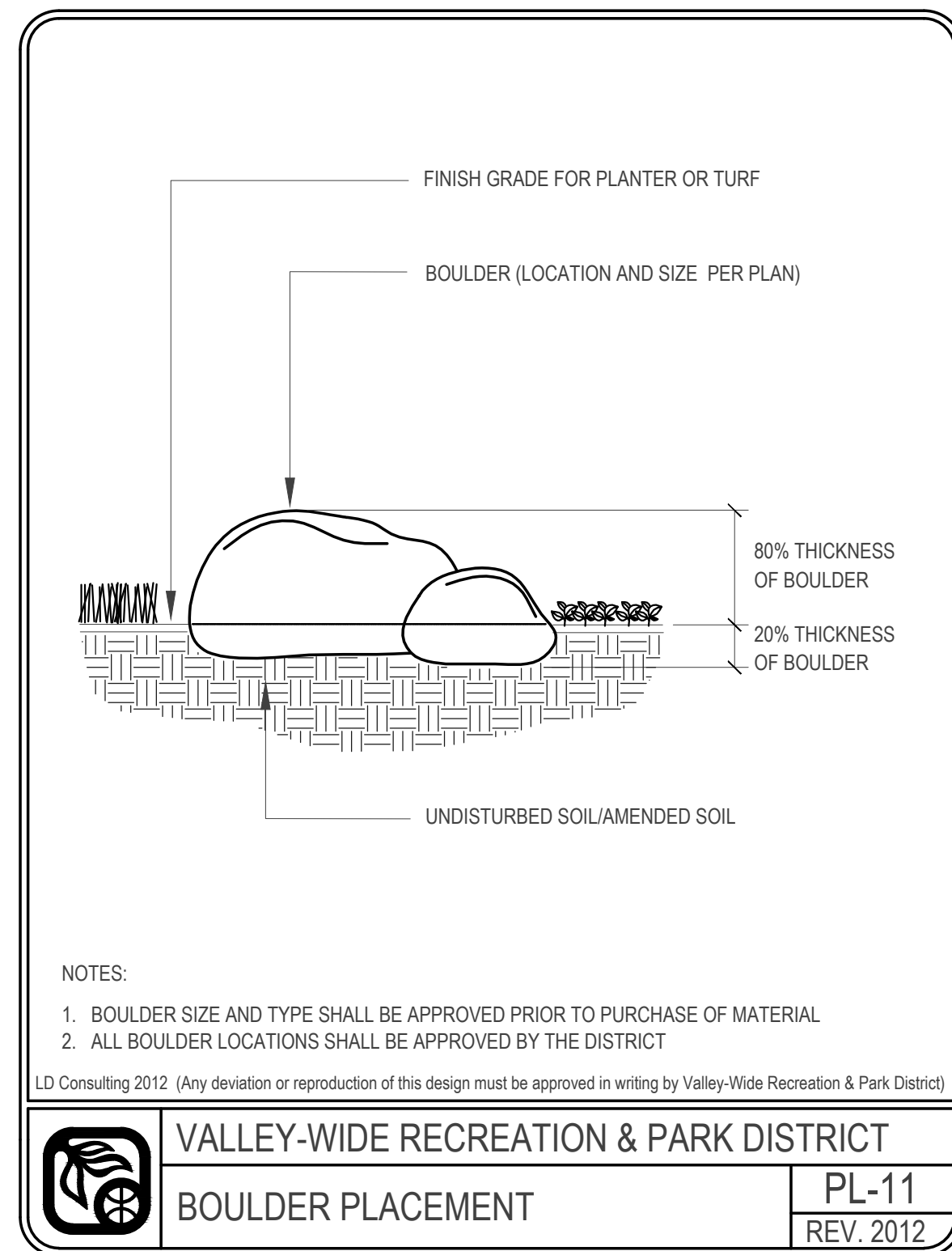
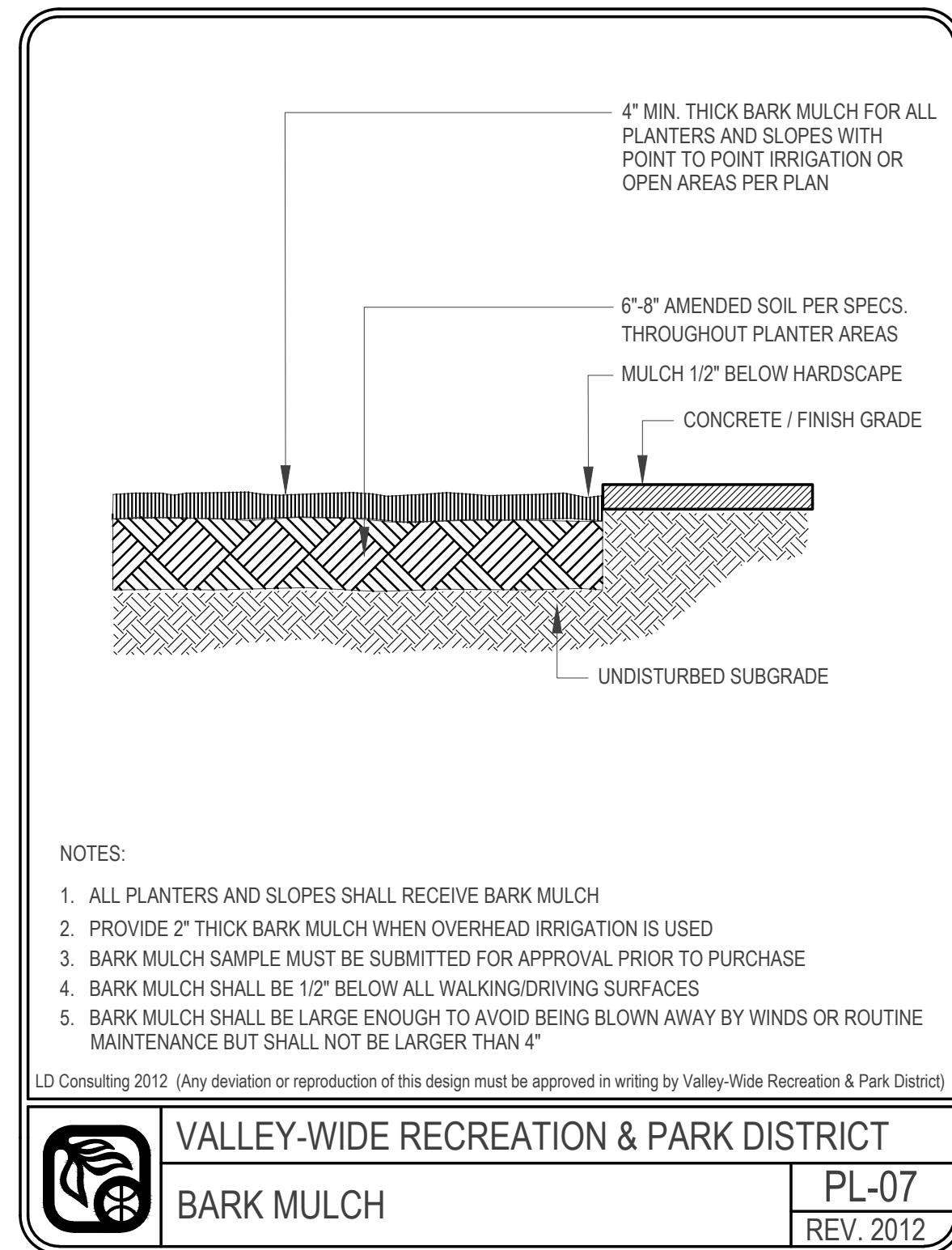
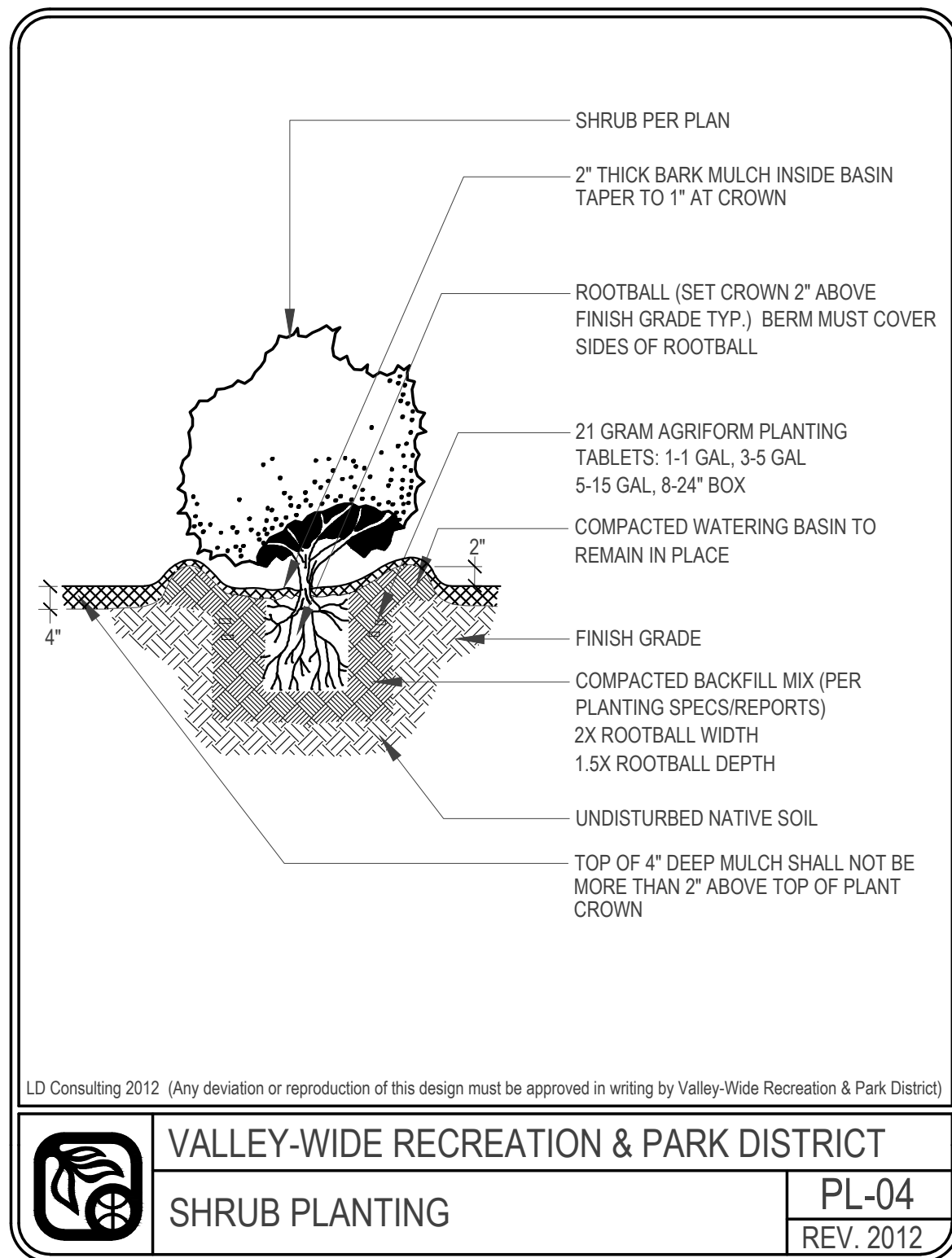
MATCHLINE SEE SHEET 09

MATCHLINE SEE SHEET 08



SCALE: 1"=20'

<b>DIG ALERT</b> Call: TOLL FREE 1-800-227-2600 OR 811 TWO FULL WORKING DAYS BEFORE YOU DIG	BENCH MARK DESCRIPTION: _____ LOCATION: _____ VERTICAL DATUM: _____ HORIZONTAL DATUM: _____	ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT DEPARTMENT: _____ ACCEPTANCE: <i>[Signature]</i> DATE: <b>3-22-23</b>	REVISIONS <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																			ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT SENIOR CIVIL ENGINEER: _____ DATE: _____	VALLEY-WIDE RECREATION AND PARK DISTRICT WINCHESTER, CA. TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS POC #24 - ABELIA AND BROOKFIELD PARK PLANTING PLAN	PL-05 SHT. 5 OF 15 DATE: 03-07-2023
DEPARTMENT: _____ DATE: _____ DRAWN BY: _____ CHECKED BY: _____	DATE: _____ BY: _____ MARK: _____ ENGINEER: _____	APPR. DATE: _____ EMWD: _____ POS ENGINEER: _____	DEPARTMENT: _____ ACCEPTANCE: _____ DATE: _____																					



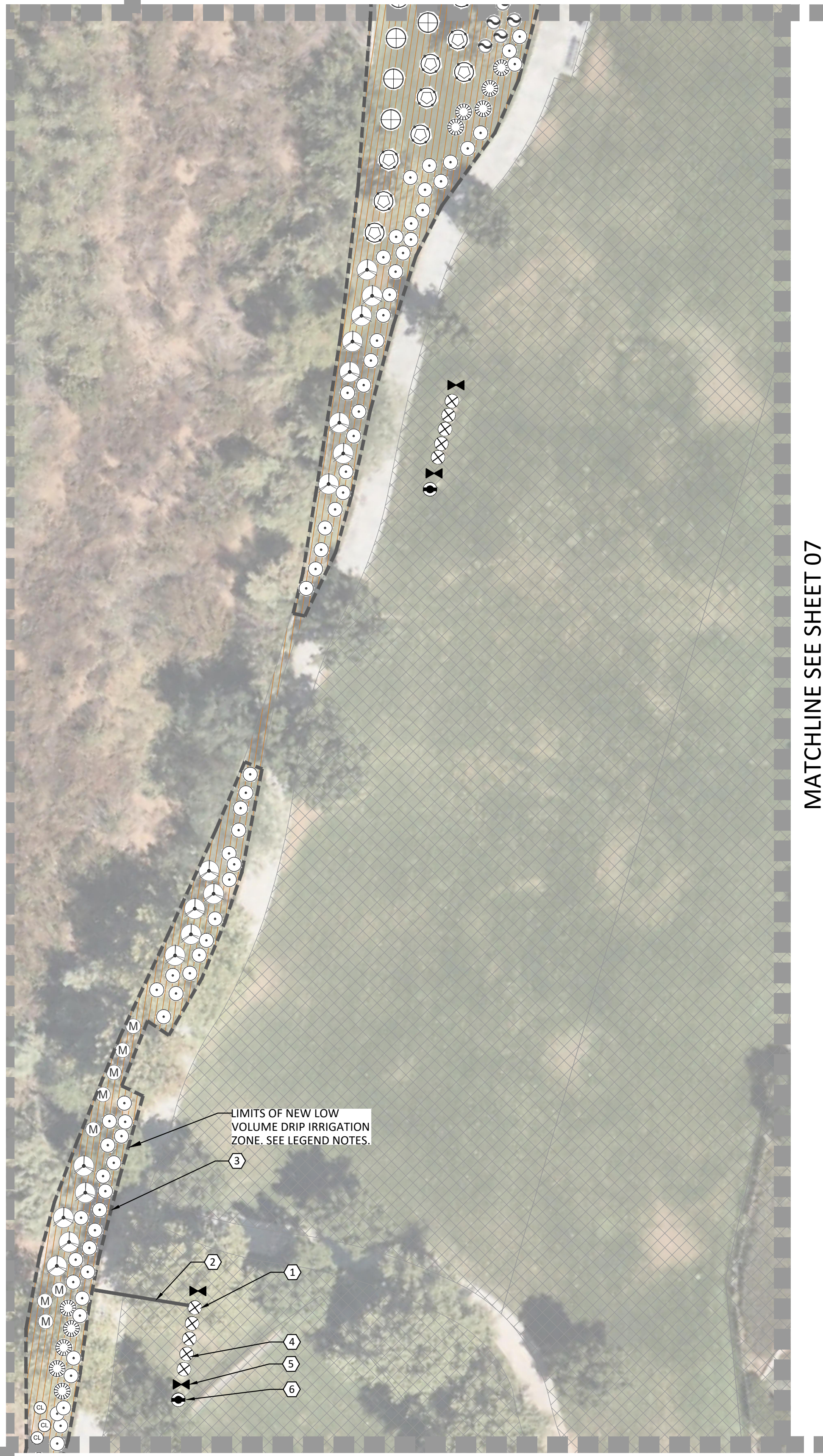
MATCHLINE SEE SHEET 03

MATCHLINE SEE SHEET 04

MATCHLINE SEE SHEET 05

MATCHLINE SEE SHEET 08

MATCHLINE SEE SHEET 09



SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
⊕	111	5 GAL.	HETEROMOLIS ARBUTIFOLIA	TOYON	PL-04
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⊕	146	1 GAL.	SALVIA GREGGII	AUTUMN SAGE	PL-04
(M)	445	1 GAL.	MUHLENBERGIA REGENS	DEERGRASS	PL-04
⊕	758	1 GAL.	ROSMARINUS OFFICINALIS	TRAILING ROSEMARY	PL-04
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⊕	193	1 GAL.	JUNIPERUS WILTONII	CREEPING JUNIPER	PL-04
(A)	PER PLAN	6"X6"	CONCRETE HEADER (+/-490 L.F.)	POURED IN PLACE PER DETAIL	LC-33
(A)	86,750 SQ.FT.	3" DEEP	ORGANIC COVER MULCH	TURF REMOVAL +/- 99,600 SQ.FT	PL-07
(A)	2,820 SQ.FT.	3" DEEP	CA. GOLD STABILIZED DG	COMPACT TO 90% DENSITY	LC-01

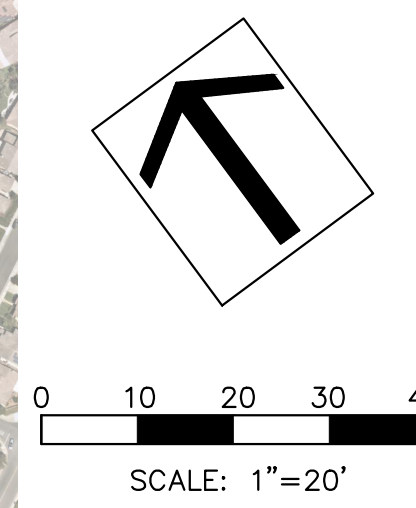
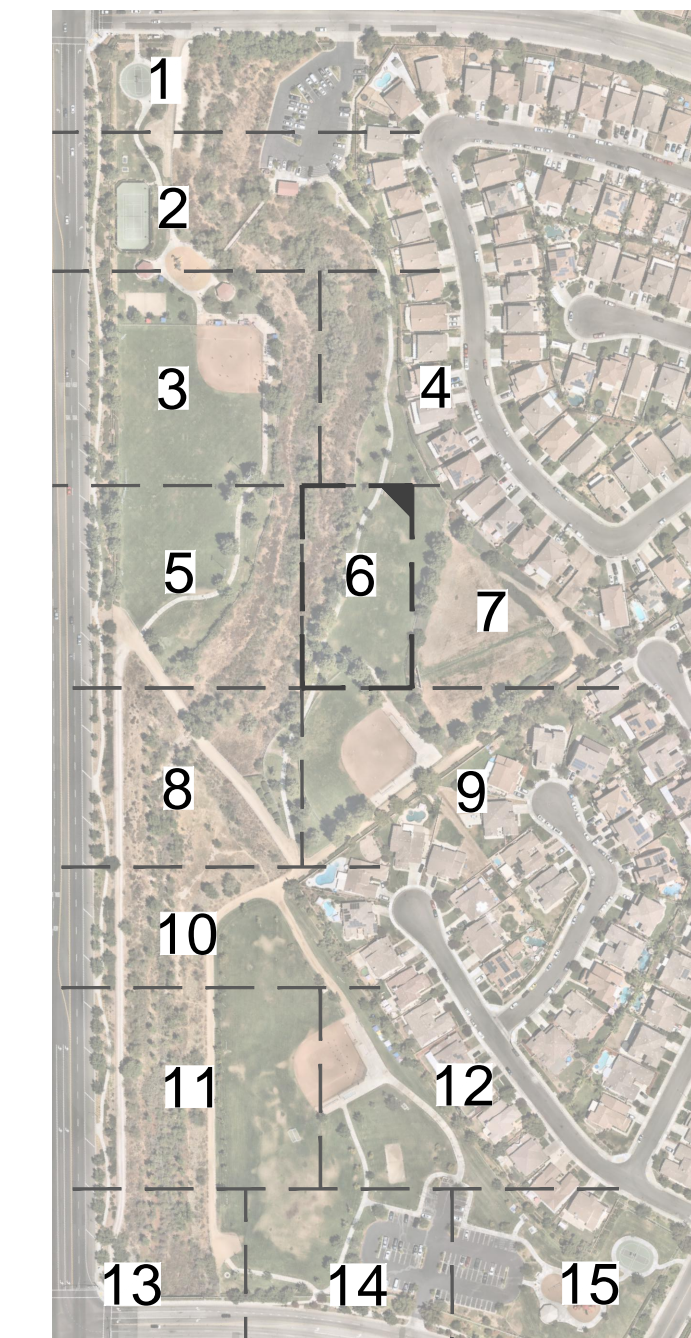
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MATCHLINE SEE SHEET 07



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BENCH MARK DESCRIPTION: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 VERTICAL DATUM: \_\_\_\_\_  
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ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	3-22-23

DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_

REVISIONS					
DATE	BY	MARK	DESCRIPTION	APPR.	DATE

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
 WINCHESTER, CA.  
 TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS  
 POC #24 - ABELIA AND BROOKFIELD PARK  
 PLANTING PLAN

**PL-06**  
 SHT. 6 OF 15  
 DATE: 03-07-2023

MATCHLINE SEE SHEET 04



MATCHLINE SEE SHEET 06

MATCHLINE SEE SHEET 09

**PLANTING LEGEND**

SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
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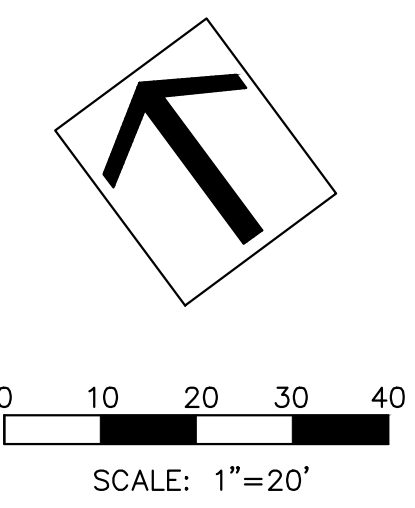
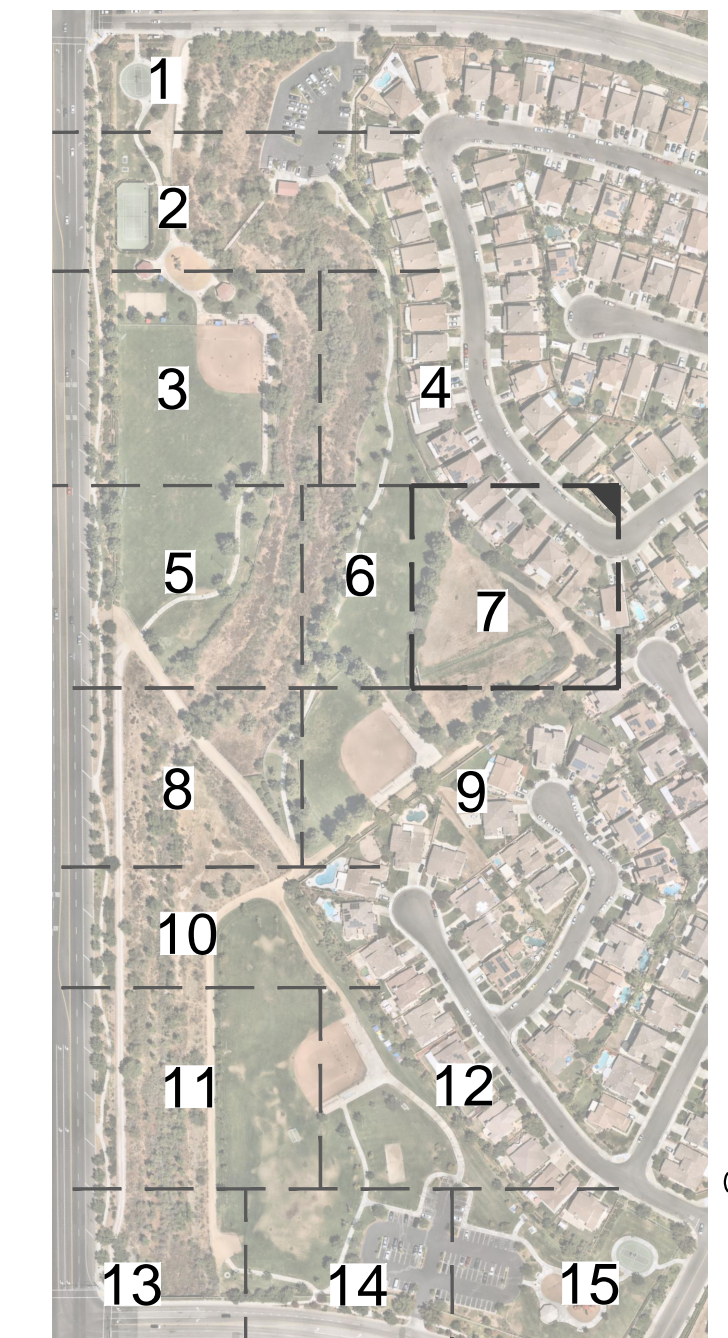
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**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	3-22-23

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY:

EASTERN MUNICIPAL WATER DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
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POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS  
POC #24 - ABELIA AND BROOKFIELD PARK  
PLANTING PLAN

**PL-07**

SHT. 7 OF 15  
DATE: 03-07-2023



WINCHESTER RD.

MATCHLINE SEE SHEET 05

SHEET 06

MATCHLINE SEE SHEET 09

MATCHLINE SEE SHEET 10

LIMITS OF NEW LOW VOLUME DRIP IRRIGATION ZONE. SEE LEGEND NOTES.

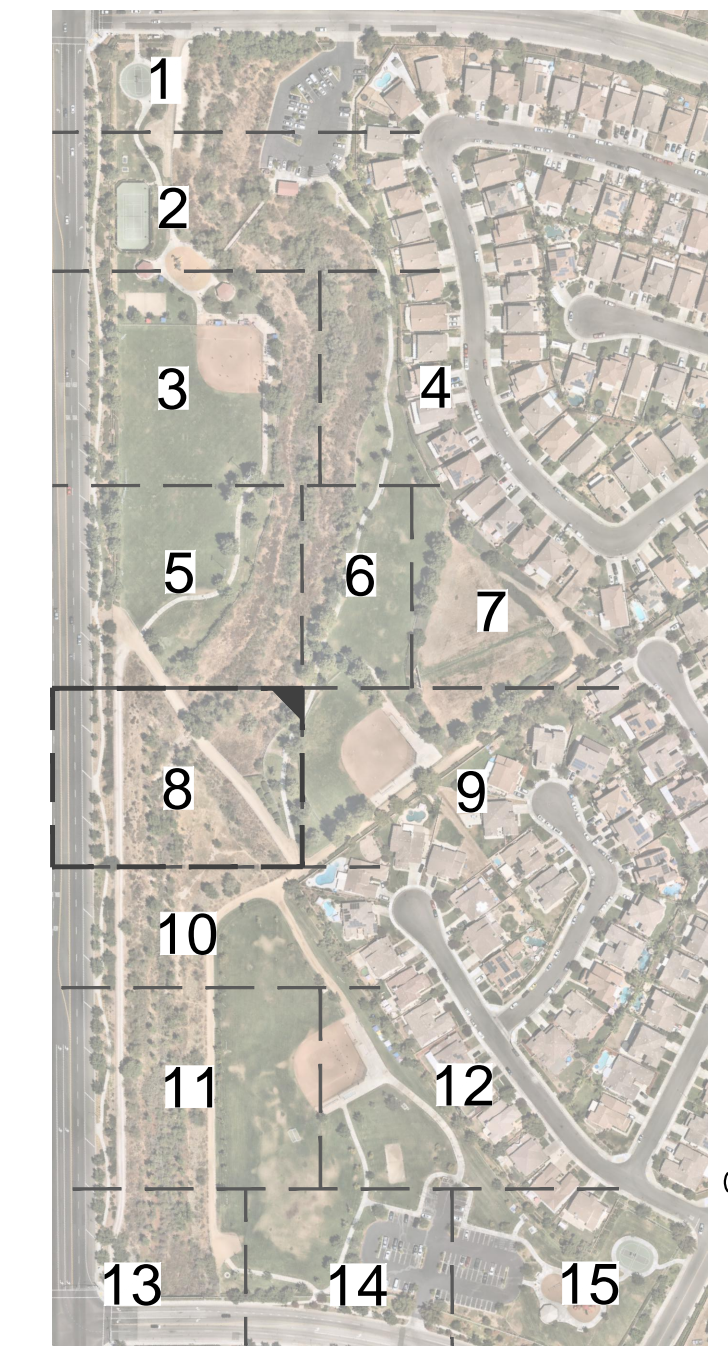
SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
⊕	111	5 GAL.	HETEROMOLIS ARBUTIFOLIA	TOYON	PL-04
⊕	179	5 GAL.	LEUCOPHYLLUM FRUITESCENS	TEXAS RANGER	PL-04
⊕	326	1 GAL.	WESTRINGA FRUITICOSA	DWARF COSTA ROSEMARY	PL-04
⊕	92	1 GAL.	CALISTOMEN VIMINALIS	BOTTLEBRUSH 'LITTLE JOHN'	PL-04
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⊕	445	1 GAL.	MUHLENBERGIA REGENS	DEERGRASS	PL-04
⊕	758	1 GAL.	ROSMARINUS OFFICINALIS	TRAILING ROSEMARY	PL-04
⊕	62	1 GAL.	JUNCUS PATENS	GRAY RUSH	PL-04
⊕	296	1 GAL.	ACACIA REDOLENS	ACACIA 'DESERT CARPET'	PL-04
⊕	193	1 GAL.	JUNIPERUS WILTONII	CREEPPING JUNIPER	PL-04
(A)	PER PLAN	6"X6"	CONCRETE HEADER (+/-490 L.F.)	POURED IN PLACE PER DETAIL	LC-33
	86,780	3' DEEP	ORGANIC COVER MULCH	TURF REMOVAL +/- 99,600 SQ.FT	PL-07
	2,820	3' DEEP	CA. GOLD STABILIZED DG	COMPACT TO 90% DENSITY	LC-01

- 1 CONVERT EXISTING RCV TO DRIP RCV PER VALLEY-WIDE STANDARD SPECIFICATIONS.
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DRAWN BY: _____ DATE: _____ BY: _____ MARK: _____ CHECKED BY: _____ ENGINEER: _____ DESCRIPTION: _____ APPR. DATE: _____ EMWD: _____	DEPARTMENT: _____ ACCEPTANCE: _____ DATE: _____ NEW BUSINESS P.C.: _____ OPERATIONS: _____ ENGINEERING: _____ POS ENGINEER: _____	VALLEY-WIDE RECREATION AND PARK DISTRICT WINCHESTER, CA. <b>TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS</b> POC #24 - ABELIA AND BROOKFIELD PARK <b>PLANTING PLAN</b>	<b>PL-08</b> SHT. 8 OF 15 DATE: 03-07-2023																					

05 MATCHLINE SEE SHEET 06

MATCHLINE SEE SHEET 07

MATCHLINE SEE SHEET 08



MATCHLINE SEE SHEET 10

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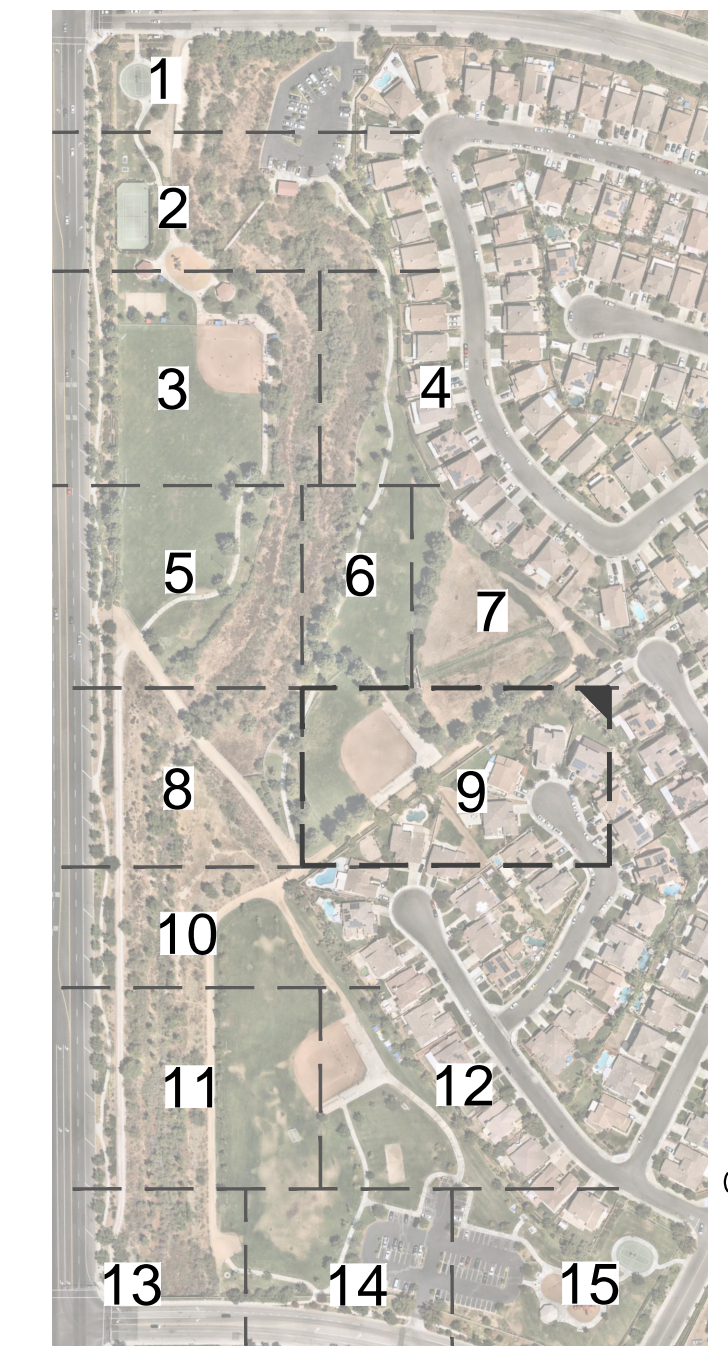
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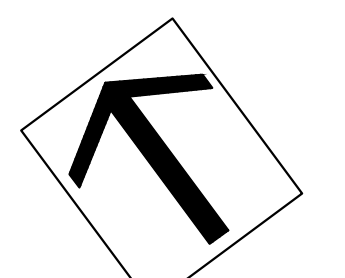
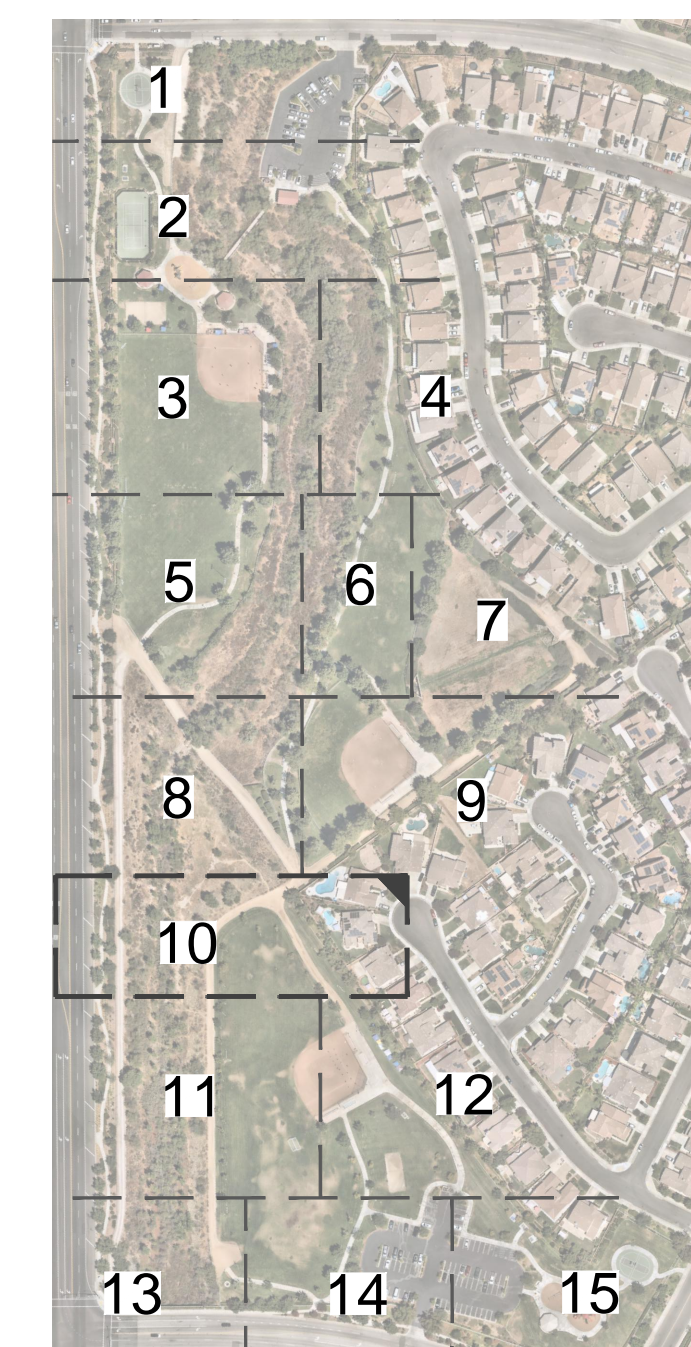
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0 10 20 30 40  
SCALE: 1"=20'

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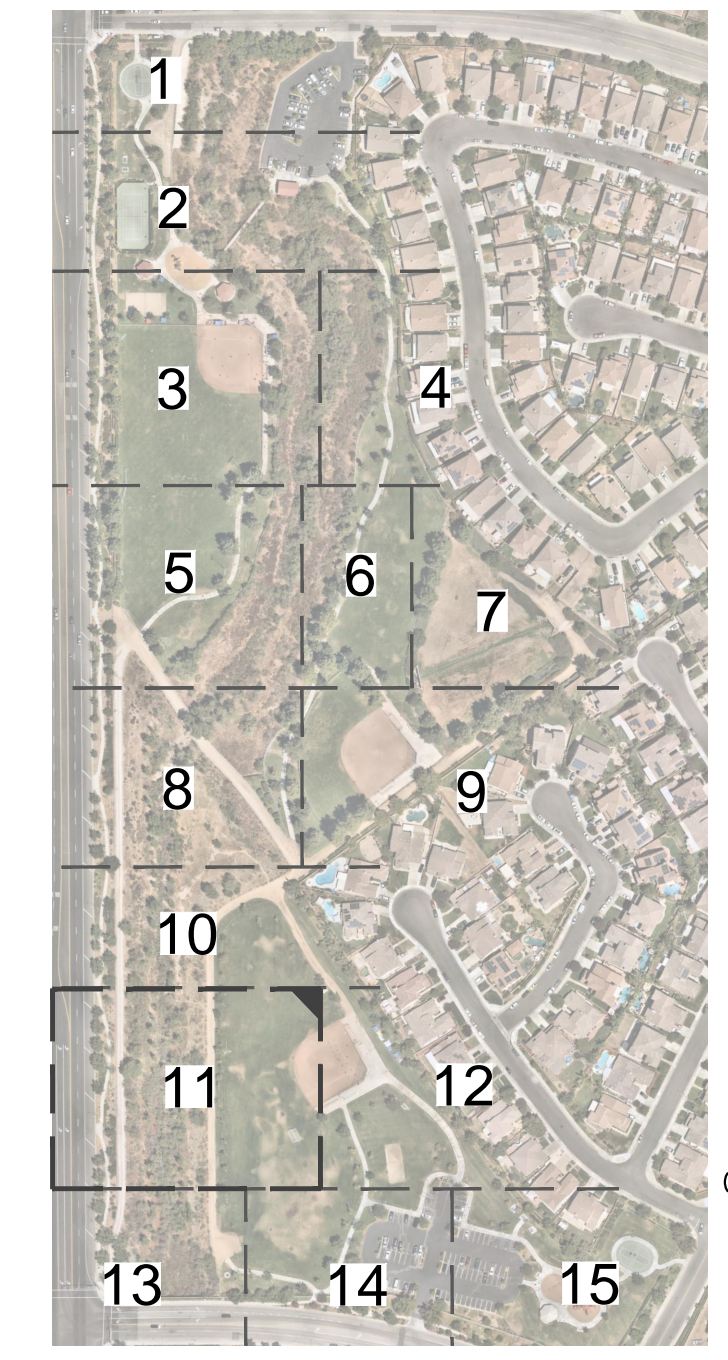
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296	1 GAL.		ACACIA REDOLENS	ACACIA 'DESERT CARPET'	PL-04
193	1 GAL.		JUNIPERUS WILTONII	CREeping JUNIPER	PL-04
	PER PLAN	6"X6"	CONCRETE HEADER (+/-490 L.F.)	POURED IN PLACE PER DETAIL	LC-33
	96,780 SQ.FT.	3" DEEP	ORGANIC COVER MULCH	TURF REMOVAL +/- 99,600 SQ.FT	PL-07
	2,820 SQ.FT.	3" DEEP	CA. GOLD STABILIZED DG	COMPACT TO 90% DENSITY	LC-01

- 1 CONVERT EXISTING RCV TO DRIP RCV PER VALLEY-WIDE STANDARD SPECIFICATIONS.
- 2 PROVIDE AND INSTALL DRIP SUPPLY LATERAL LINE WITH CHECK VALVES AS NEEDED PER VALLEY-WIDE STANDARD SPECIFICATIONS. ALL PIPING MUST BE UVR BURIED 4" BELOW GRADE.
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- 5 PROTECT IN PLACE EXISTING ISOLATION VALVE TYP.
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 CONTRACTOR SHALL PLACE PLANTS AS NEEDED TO AVOID EXISTING TREES, TREE ROOTS OR OTHER FIELD CONDITIONS.  
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 CONTRACTOR SHALL BE RESPONSIBLE FOR PLANT ESTABLISHMENT UNTIL ACCEPTANCE OF PLANTING HAS BEEN CONFIRMED WITH VALLEY-WIDE.

**INSTALLATION NOTES**  
 THE MATERIALS AND THE INSTALLATION OF THE PLANTING SHOWN ON THIS PLAN SHALL MEET THE LATEST VALLEY-WIDE STANDARDS AND SPECIFICATIONS AT COMMENCEMENT OF WORK. IF CONTRACTOR NOTICES ANY INCONSISTENCIES WITH THE LATEST DESIGN STANDARDS, ONE SHALL IMMEDIATELY NOTIFY ALL PARTIES.

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SCALE: 1"=20'

MATCHLINE SEE SHEET 13

MATCHLINE SEE SHEET 14

**DIG ALERT**  
 Call: TOLL FREE 1-800-227-2600 OR 811  
 TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK DESCRIPTION:**  
 LOCATION:  
 VERTICAL DATUM:  
 HORIZONTAL DATUM:

ACCEPTED BY:  
 VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	3-22-23

DATE:  
 DRAWN BY:  
 CHECKED BY:

REVISIONS					
NO.	DATE	BY	MARK	DESCRIPTION	EMWD

ACCEPTED BY:  
 EASTERN MUNICIPAL WATER DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
 WINCHESTER, CA.  
 TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS  
 POC #24 - ABELIA AND BROOKFIELD PARK  
 PLANTING PLAN

**PL-11**  
 SHT. 11 OF 15  
 DATE: 03-07-2023



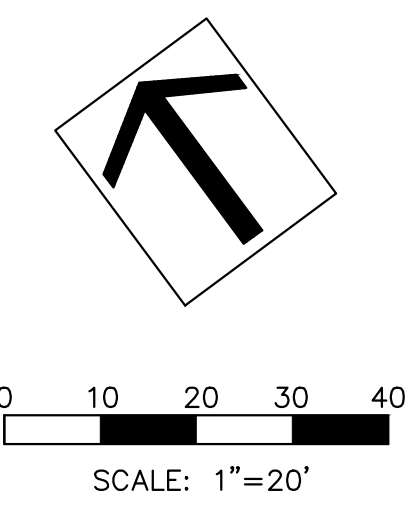
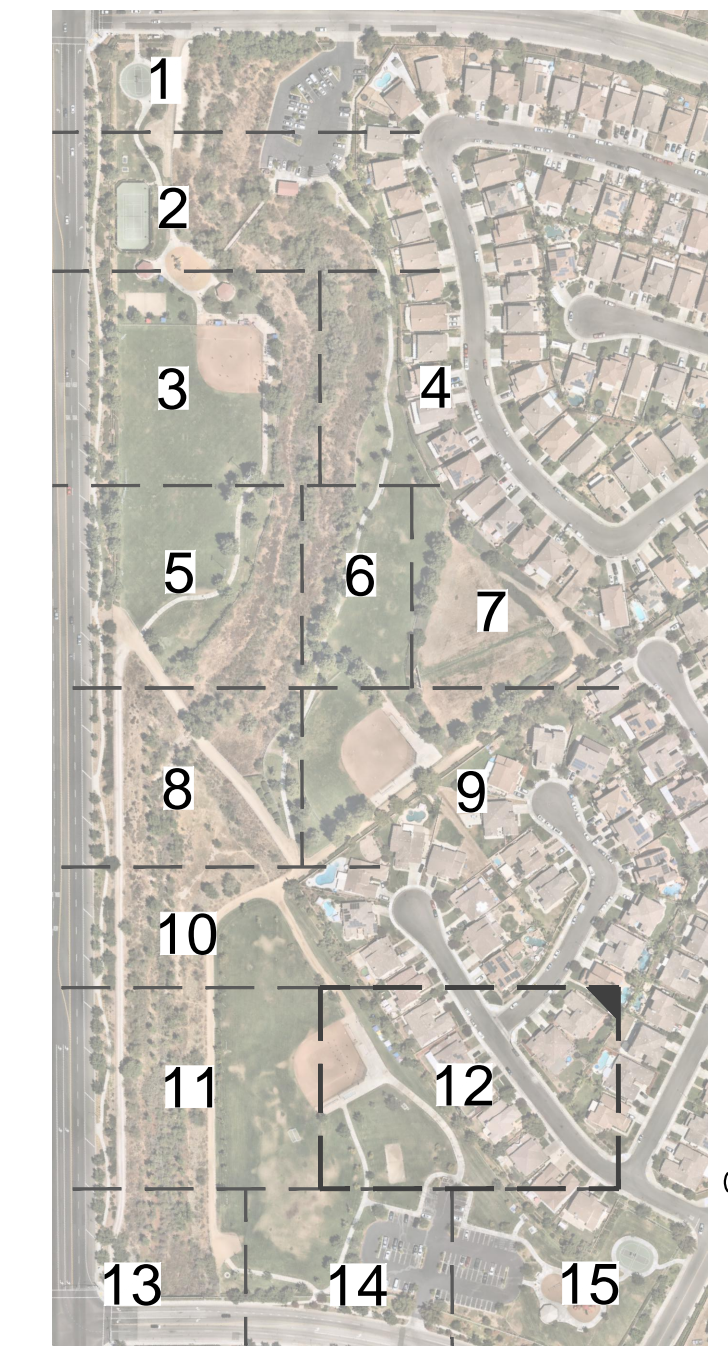
SYB	QTY	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
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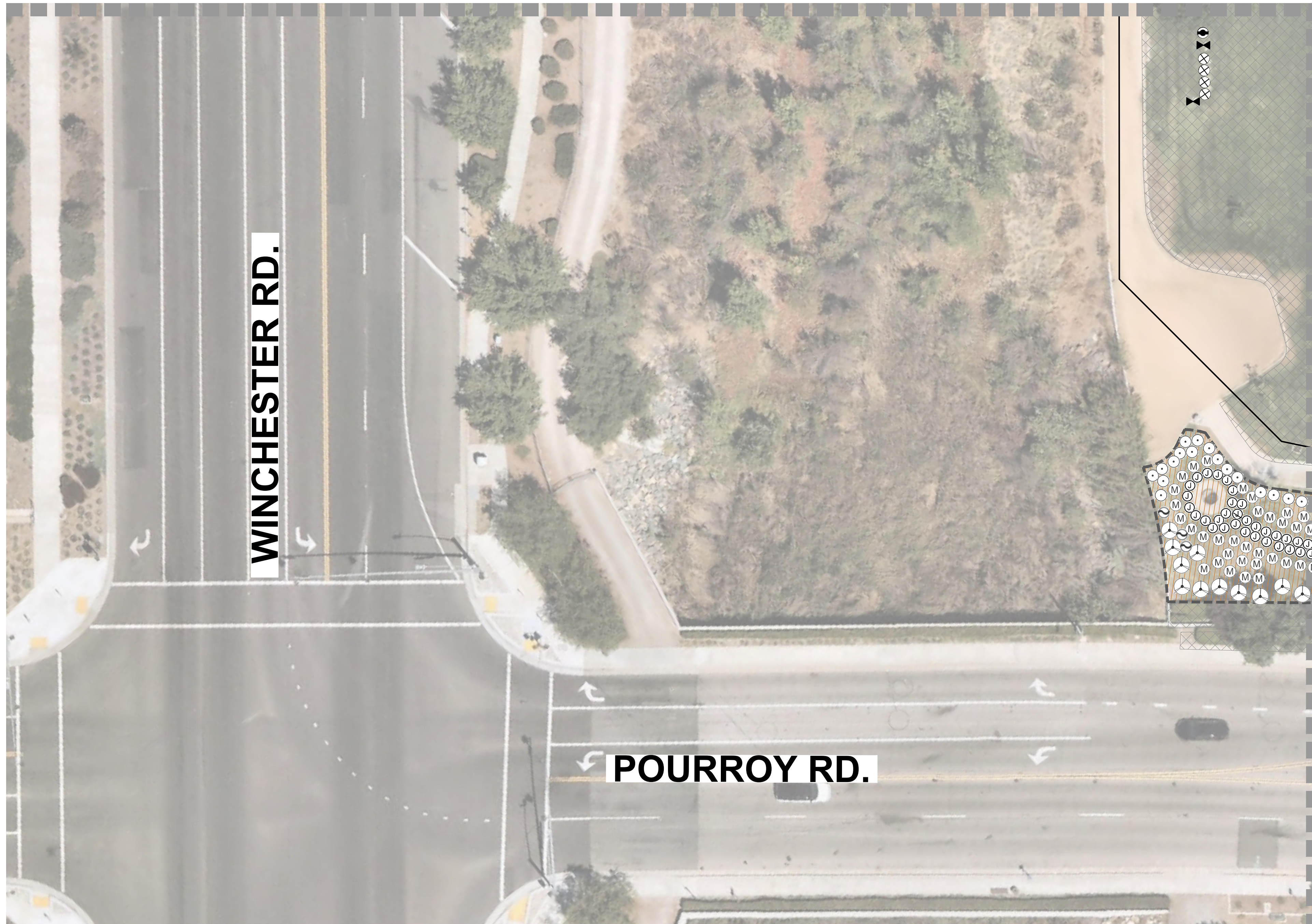
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<b>DIG ALERT</b>  Call: TOLL FREE 1-800-227-2600 OR 811 TWO FULL WORKING DAYS BEFORE YOU DIG	BENCH MARK DESCRIPTION: _____ LOCATION: _____ VERTICAL DATUM: _____ HORIZONTAL DATUM: _____	ACCEPTED BY: <b>VALLEY-WIDE RECREATION AND PARK DISTRICT</b> DEPARTMENT: _____ ACCEPTANCE: DATE: <b>3-22-23</b>	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>MARK</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	BY	MARK	DESCRIPTION																ACCEPTED BY: <b>EASTERN MUNICIPAL WATER DISTRICT</b> SENIOR CIVIL ENGINEER: _____ DATE: _____	VALLEY-WIDE RECREATION AND PARK DISTRICT WINCHESTER, CA. TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS POC #24 - ABELIA AND BROOKFIELD PARK PLANTING PLAN	<b>PL-12</b> <small>SHT. 12 OF 15</small> DATE: 03-07-2023
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DRAWN BY: _____ DATE: _____ BY: _____ MARK: _____ CHECKED BY: _____ ENGINEER: _____ DESCRIPTION: _____ APPR. DATE EMWD POS ENGINEER		DEPARTMENT: _____ ACCEPTANCE: _____ DATE: _____ NEW BUSINESS P.C. _____ OPERATIONS _____ ENGINEERING _____ POS ENGINEER _____																								

MATCHLINE SEE SHEET 11



PLANTING LEGEND

SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
⊕	111	5 GAL.	HETEROMOLIS ARBUTIFOLIA	TOYON	PL-04
⊕	179	5 GAL.	LEUCOPHYLLUM FRUITESCENS	TEXAS RANGER	PL-04
⊕	326	1 GAL.	WESTRINGIA FRUITICOSA	DWARF COSTA ROSEMARY	PL-04
⊕	92	1 GAL.	CALISTOMEN VIMINALIS	BOTTLEBRUSH 'LITTLE JOHN'	PL-04
⊕	146	1 GAL.	SALVIA GREGGII	AUTUMN SAGE	PL-04
(M)	445	1 GAL.	MUHLENBERGIA REGENS	DEERGRASS	PL-04
⊕	758	1 GAL.	ROSMARINUS OFFICINALIS	TRAILING ROSEMARY	PL-04
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⊕	296	1 GAL.	ACACIA REDOLENS	ACACIA 'DESERT CARPET'	PL-04
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(A)	PER PLAN	6"X6"	CONCRETE HEADER (+/-490 L.F.)	POURED IN PLACE PER DETAIL	LC-33
	86,750	3" DEEP	ORGANIC COVER MULCH	TURF REMOVAL +/- 99,600 SQ.FT	PL-07
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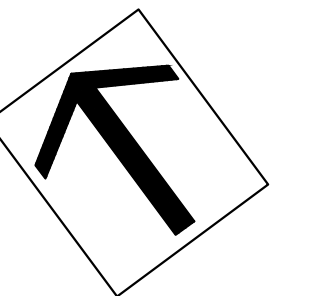
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MATCHLINE SEE SHEET 14



0 10 20 30 40  
SCALE: 1"=20'

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Call: TOLL FREE  
1-800-227-2600  
OR  
811  
TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK  
DESCRIPTION: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
VERTICAL DATUM: \_\_\_\_\_  
HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:  
VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	3-22-23

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION

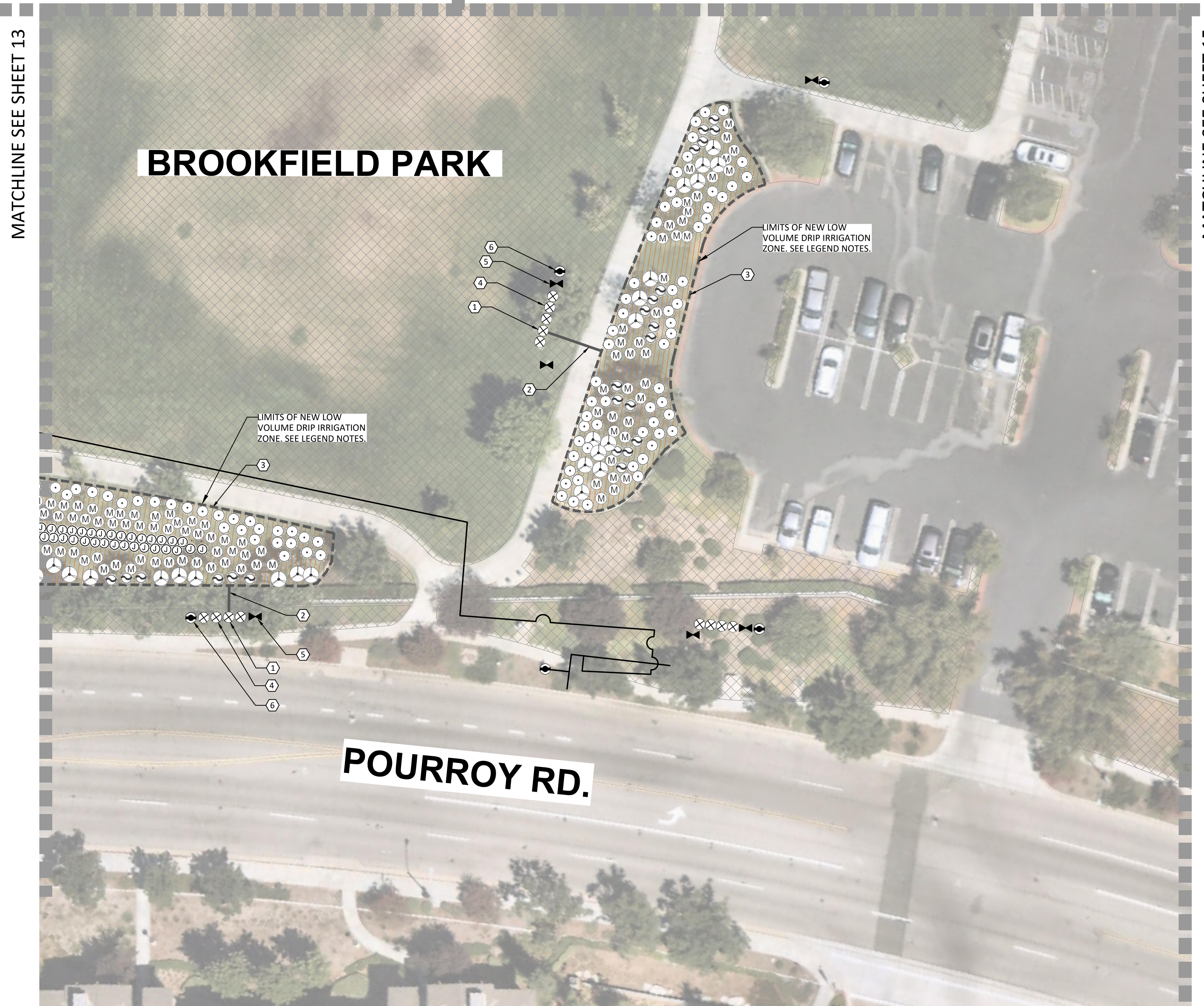
ACCEPTED BY:  
EASTERN MUNICIPAL WATER DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS  
POC #24 - ABELIA AND BROOKFIELD PARK  
PLANTING PLAN

**PL-13**  
SHT. 13 OF 15  
DATE: 03-07-2023

MATCHLINE SEE SHEET 11 MATCHLINE SEE SHEET 12



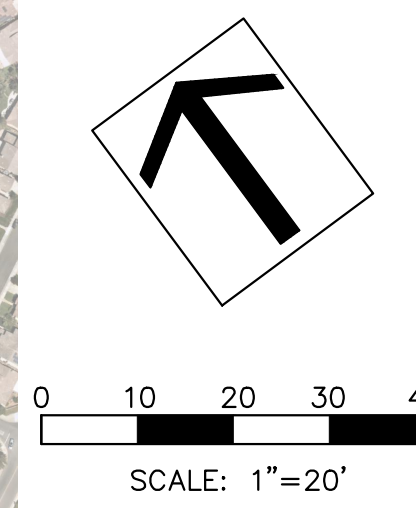
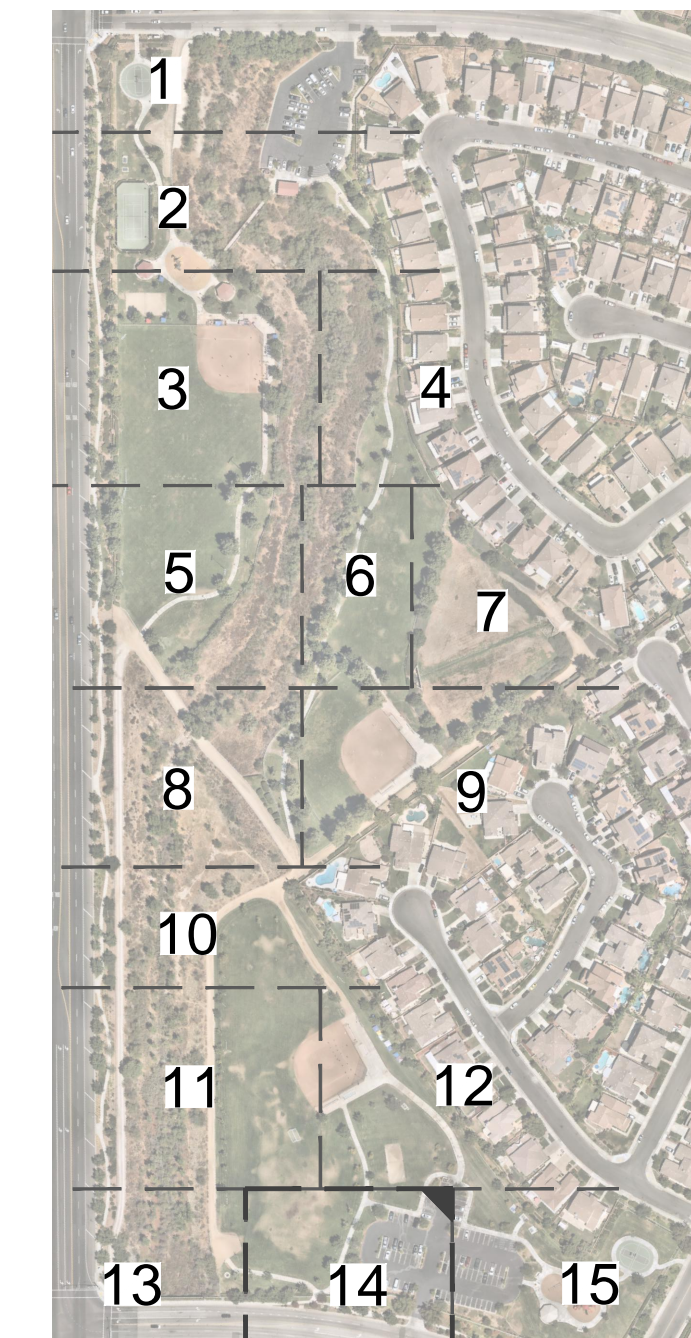
SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
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ACCEPTED BY:  
 VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	3-22-23

**REVISIONS**

NO.	DATE	BY	MARK	DESCRIPTION

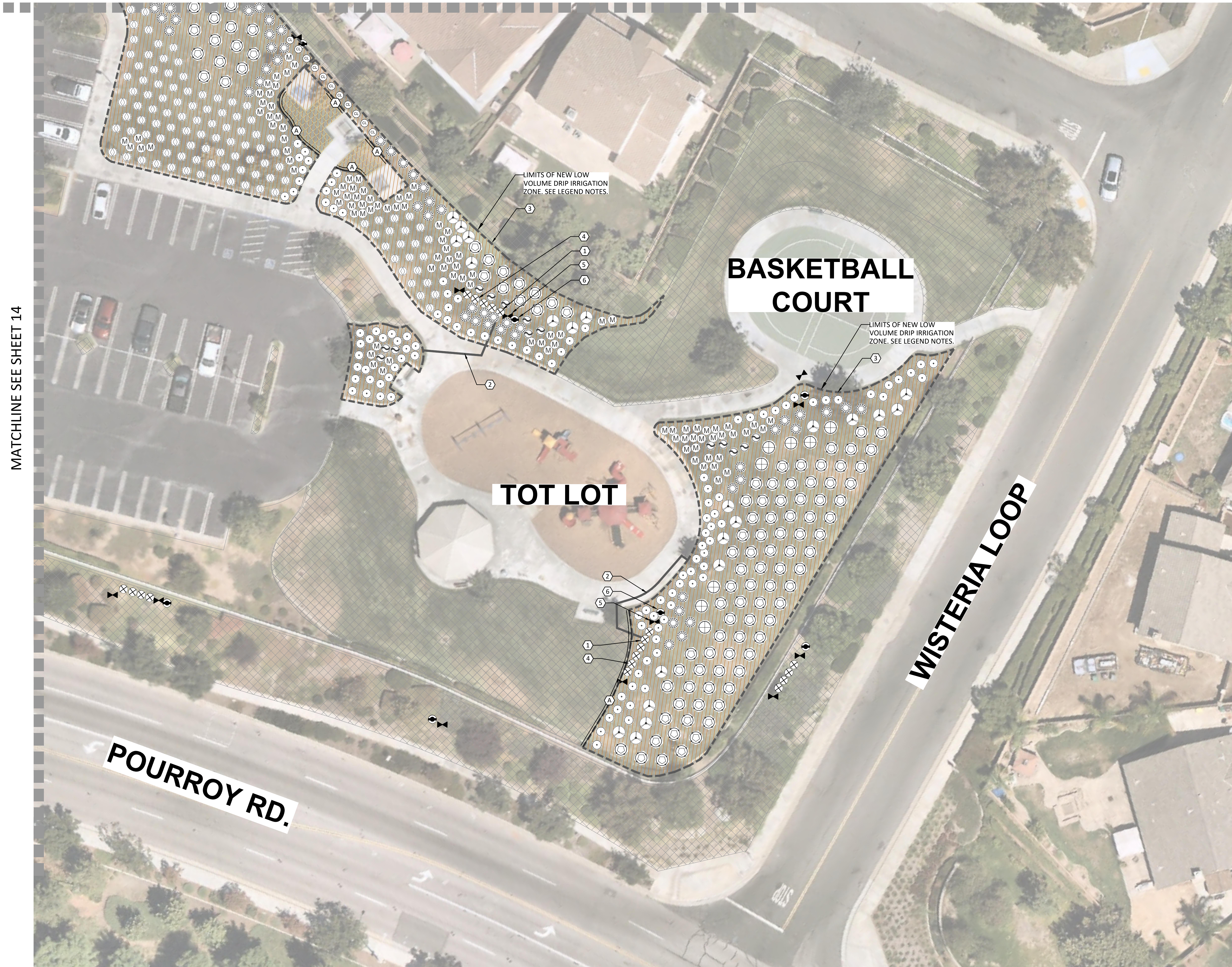
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NEW BUSINESS P.C.		
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VALLEY-WIDE RECREATION AND PARK DISTRICT  
 WINCHESTER, CA.  
 TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS  
 POC #24 - ABELIA AND BROOKFIELD PARK  
 PLANTING PLAN

**PL-14**  
 SHT. 14 OF 15  
 DATE: 03-07-2023

MATCHLINE SEE SHEET 12



SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
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- ⑥ PROTECT IN PLACE EXISTING QCV TYP.

**TURF CONVERSION NOTE:**  
 ALL WORK RELATED TO TURF CONVERSION, REPLACING DRIP VALVES, NEW PLANT MATERIALS AND DRIP IRRIGATION SYSTEMS WILL BE ON SEPARATE BID ITEMS.  
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 ALL AREAS WITH REMOVED TURF PER THIS PLAN SHALL HAVE 4" DEEP COURSE ORGANIC MULCH AS APPROVED BY VALLEY-WIDE.  
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**DIG ALERT**  
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 TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**  
 DESCRIPTION: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 VERTICAL DATUM: \_\_\_\_\_  
 HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:  
 VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	3-22-23

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY:  
 EASTERN MUNICIPAL WATER DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
 WINCHESTER, CA.  
 TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS  
 POC #24 - ABELIA AND BROOKFIELD PARK  
 PLANTING PLAN

**PL-15**  
 SHT. 15 OF 15  
 DATE: 03-07-2023



**PLANTING LEGEND**

SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
(S)	55	5 GAL.	HETEROMOLIS ARBUTIFOLIA	TOYON	PL-04
(L)	60	5 GAL.	LEUCOPHYLLUM FRUITESCENS	TEXAS RANGER	PL-04
(R)	35	1 GAL.	WESTRINGA FRUITICOSA	DWARF COSTA ROSEMARY	PL-04
(C)	6	1 GAL.	CALISTOMEN VIMINALIS	BOTTLEBRUSH 'LITTLE JOHN'	PL-04
(M)	7	1 GAL.	SALVIA GREGGII	AUTUMN SAGE	PL-04
(M)	36	1 GAL.	MUHLENBERGIA REGENS	DEERGRASS	PL-04
(C)	98	1 GAL.	ROSMARINUS OFFICINALIS	TRAILING ROSEMARY	PL-04
(O)	103	1 GAL.	JUNCUS PATENS	GRAY RUSH	PL-04
(Hatched)	PER PLAN	11,900 SQ. FT.	AREA OF TURF REMOVAL		
(Hatched)	PER PLAN	3" DEEP	ORGANIC COVER MULCH		PL-07

- ① CONVERT EXISTING RCV TO DRIP RCV PER VALLEY-WIDE STANDARD SPECIFICATIONS.
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- ⑤ PROTECT IN PLACE EXISTING ISOLATION VALVE TYP.
- ⑥ PROTECT IN PLACE EXISTING OCQ TYP.
- ⑦ VEGETATIVE SWALE STORM WATER FEATURE PER DETAIL.

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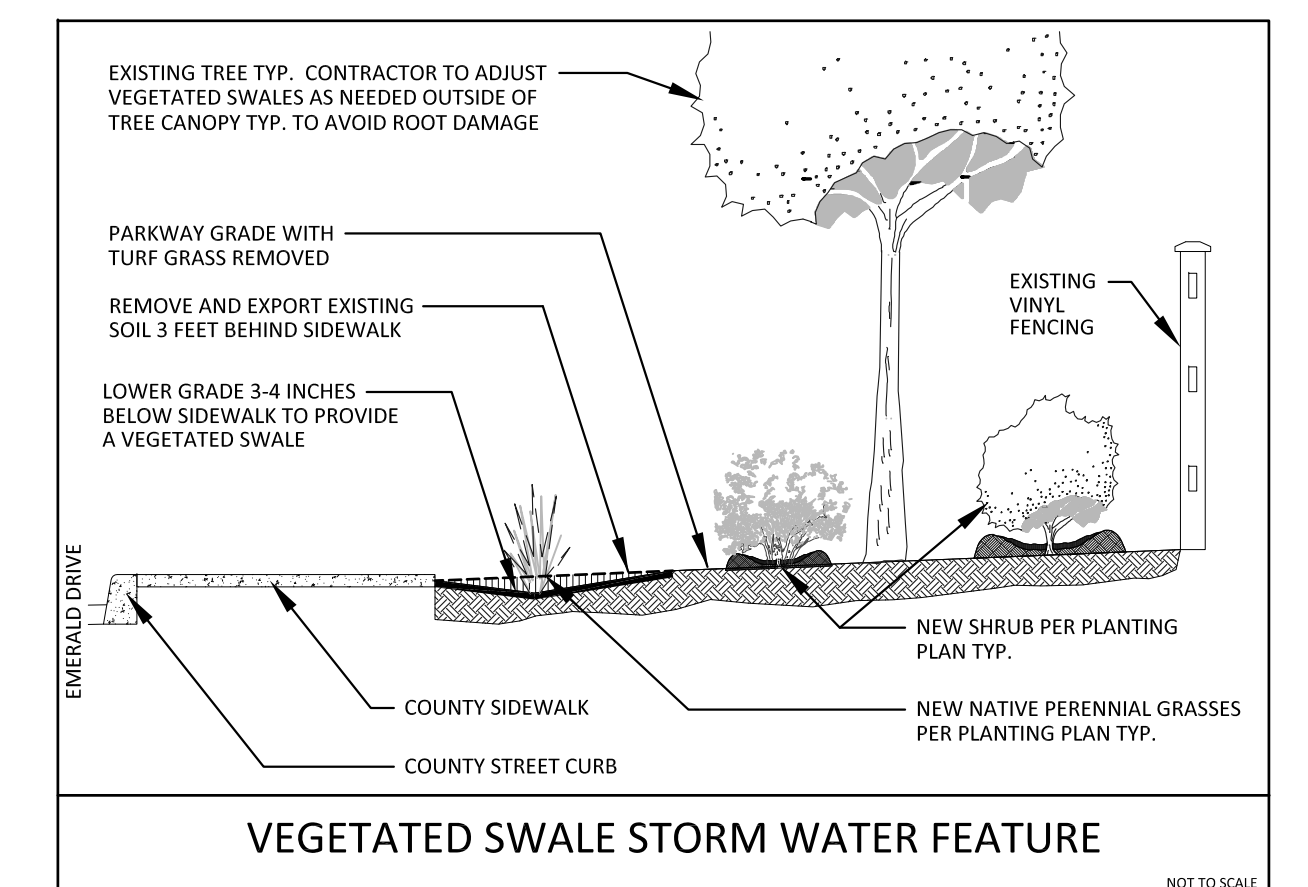
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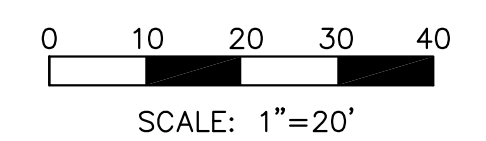
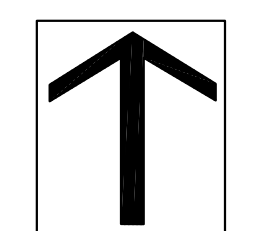
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MATCHLINE SEE SHEET 3

MATCHLINE SEE SHEET 2



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OR  
811

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**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>Denise</i>	3-22-23

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

SENIOR CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS

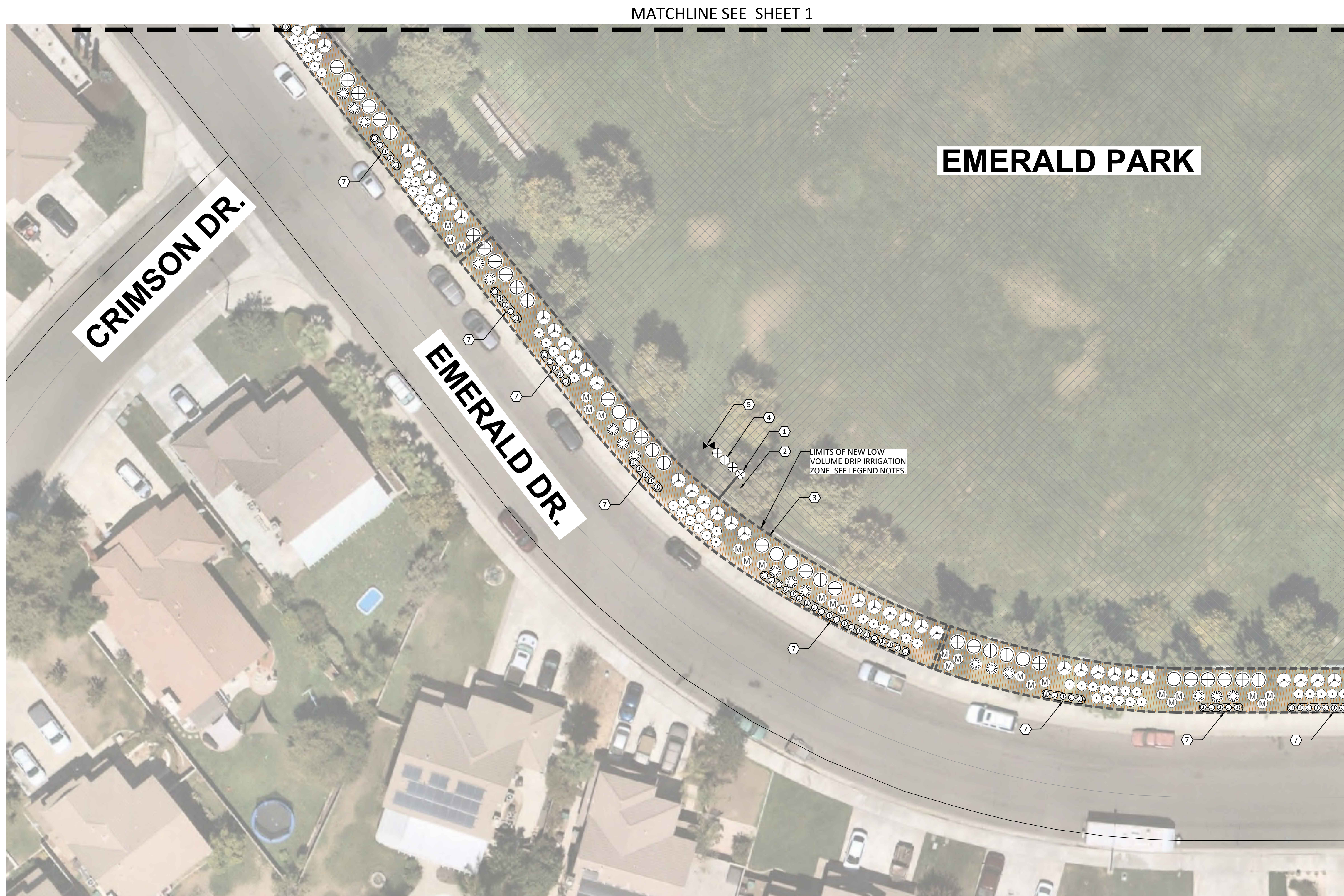
POC #82 - EMERALD PARK

**PLANTING PLAN**

**PL-01**

SHT. 1 OF 3

DATE: 03-15-2023



MATCHLINE SEE SHEET 1

# EMERALD PARK

SYB.	QTY.	SIZE	BOTANICAL NAME	COMMON NAME	DETAIL
⊕	55	5 GAL.	HETEROMOLIS ARBUTIFOLIA	TOYON	PL-04
⊕	60	5 GAL.	LEUCOPHYLLUM FRUITESCENS	TEXAS RANGER	PL-04
⊕	35	1 GAL.	WESTRINGIA FRUITICOSA	DWARF COSTA ROSEMARY	PL-04
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⊕	36	1 GAL.	MUHLENBERGIA REGENS	DEERGRASS	PL-04
⊕	98	1 GAL.	ROSMARINUS OFFICINALIS	TRAILING ROSEMARY	PL-04
⊕	103	1 GAL.	JUNCUS PATENS	GRAY RUSH	PL-04
⊕	PER PLAN	11,900 SQ. FT.	AREA OF TURF REMOVAL		
⊕	PER PLAN	3" DEEP	ORGANIC COVER MULCH		PL-07

- ① CONVERT EXISTING RCV TO DRIP RCV PER VALLEY-WIDE STANDARD SPECIFICATIONS.
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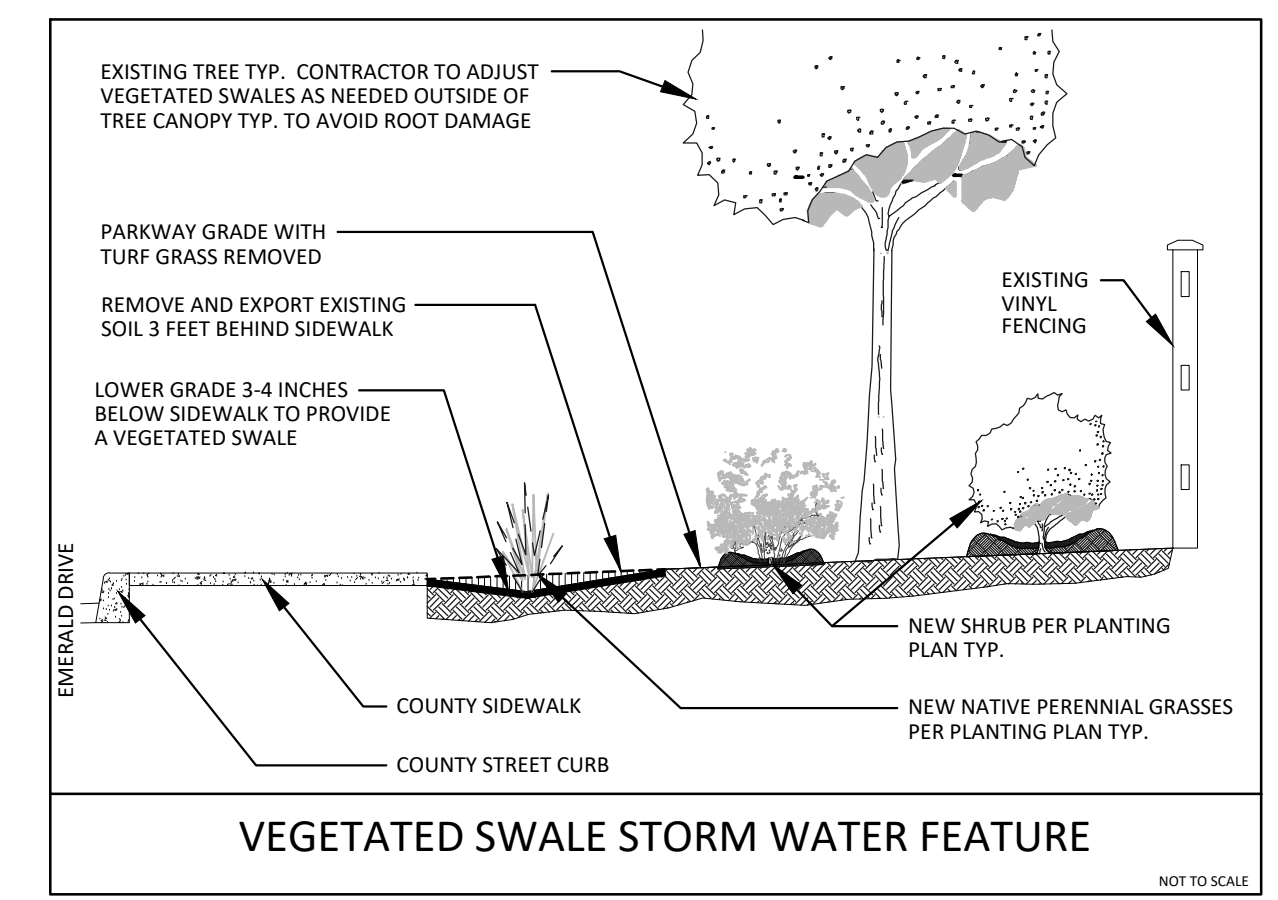
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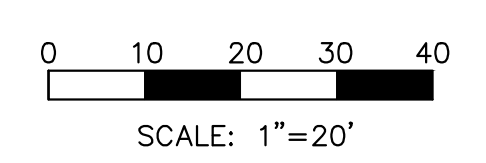
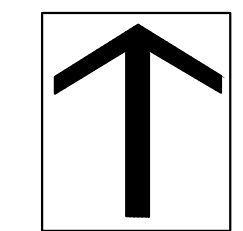
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VEGETATED SWALE STORM WATER FEATURE

MATCHLINE SEE SHEET 3

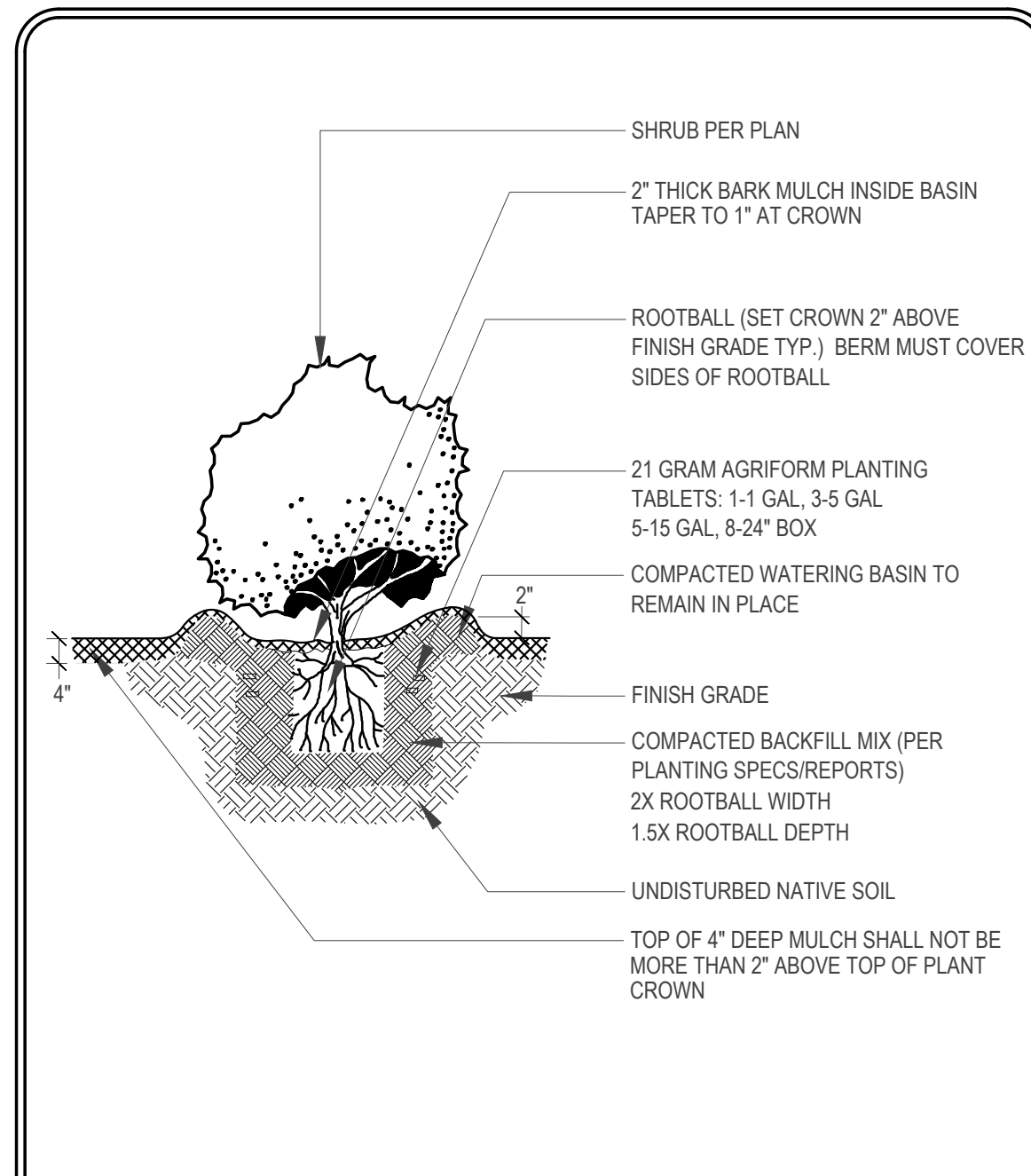


<p><b>DIG ALERT</b> Call: TOLL FREE 1-800-227-2600 OR 811 TWO FULL WORKING DAYS BEFORE YOU DIG</p>	<p><b>BENCH MARK</b> DESCRIPTION: _____ LOCATION: _____ VERTICAL DATUM: _____ HORIZONTAL DATUM: _____</p>	<p>ACCEPTED BY: <b>VALLEY-WIDE RECREATION AND PARK DISTRICT</b></p>	<p>ACCEPTED BY: <b>EASTERN MUNICIPAL WATER DISTRICT</b></p>	<p>ACCEPTED BY: <b>VALLEY-WIDE RECREATION AND PARK DISTRICT</b></p>	<p>ACCEPTED BY: <b>EASTERN MUNICIPAL WATER DISTRICT</b></p>
	<p>DEPARTMENT: _____</p> <p>ACCEPTANCE: <i>[Signature]</i> DATE: <b>3-22-23</b></p> <p>HORIZONTAL DATUM: _____</p>	<p>DATE: _____</p> <p>DRAWN BY: _____ DATE: _____ BY: _____ MARK: _____</p> <p>CHECKED BY: _____ ENGINEER: _____ DESCRIPTION: _____</p>	<p>DEPARTMENT: _____</p> <p>ACCEPTANCE: _____ DATE: _____</p> <p>NEW BUSINESS P.C. _____</p> <p>OPERATIONS _____</p> <p>ENGINEERING _____</p> <p>POS ENGINEER _____</p>	<p>DEPARTMENT: _____</p> <p>ACCEPTANCE: _____ DATE: _____</p> <p>NEW BUSINESS P.C. _____</p> <p>OPERATIONS _____</p> <p>ENGINEERING _____</p> <p>POS ENGINEER _____</p>	<p>DEPARTMENT: _____</p> <p>ACCEPTANCE: _____ DATE: _____</p> <p>NEW BUSINESS P.C. _____</p> <p>OPERATIONS _____</p> <p>ENGINEERING _____</p> <p>POS ENGINEER _____</p>

**PL-02**

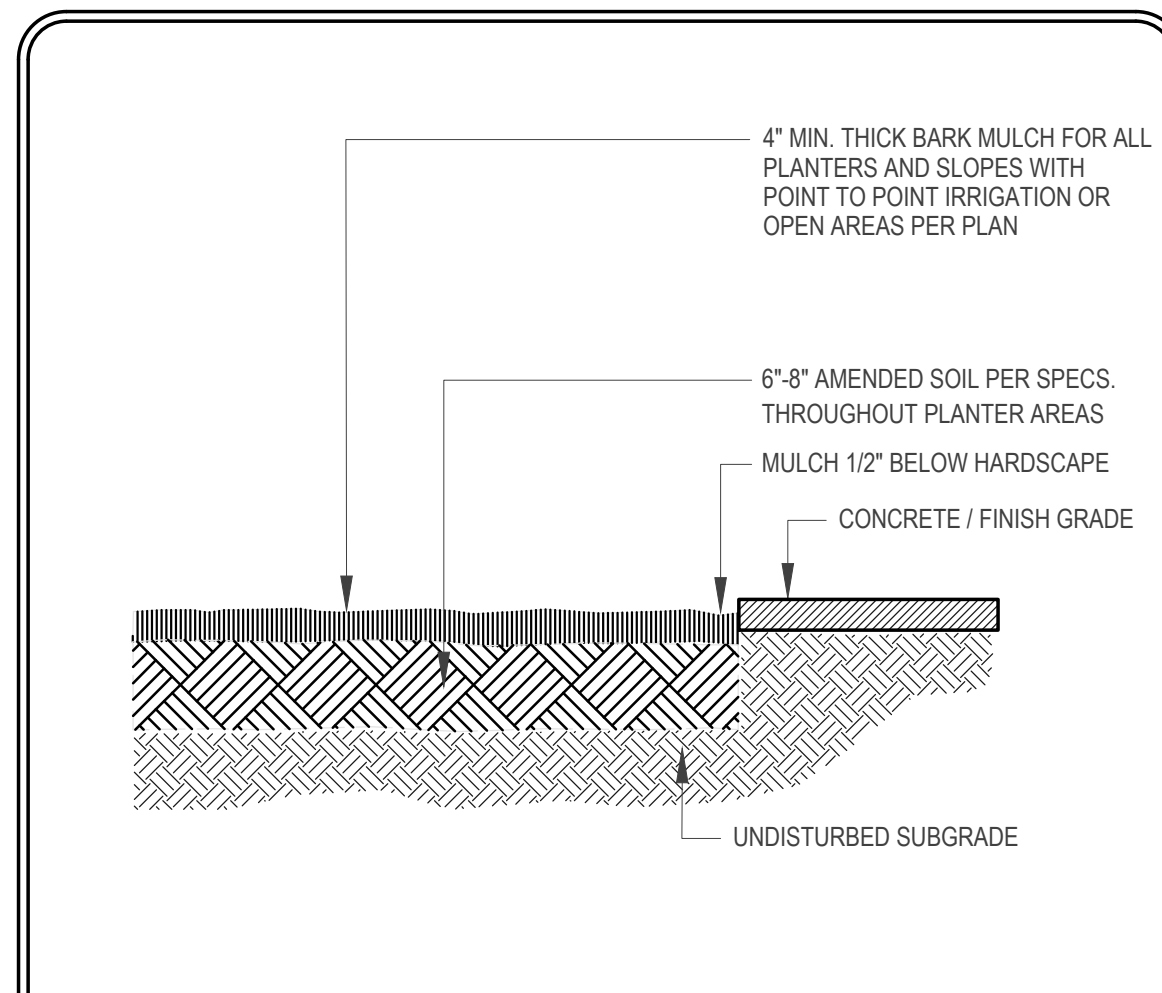
SHT. 2 OF 3  
DATE: 03-15-2023





LD Consulting 2012 (Any deviation or reproduction of this design must be approved in writing by Valley-Wide Recreation & Park District)

**VALLEY-WIDE RECREATION & PARK DISTRICT**  
SHRUB PLANTING **PL-04**  
REV. 2012

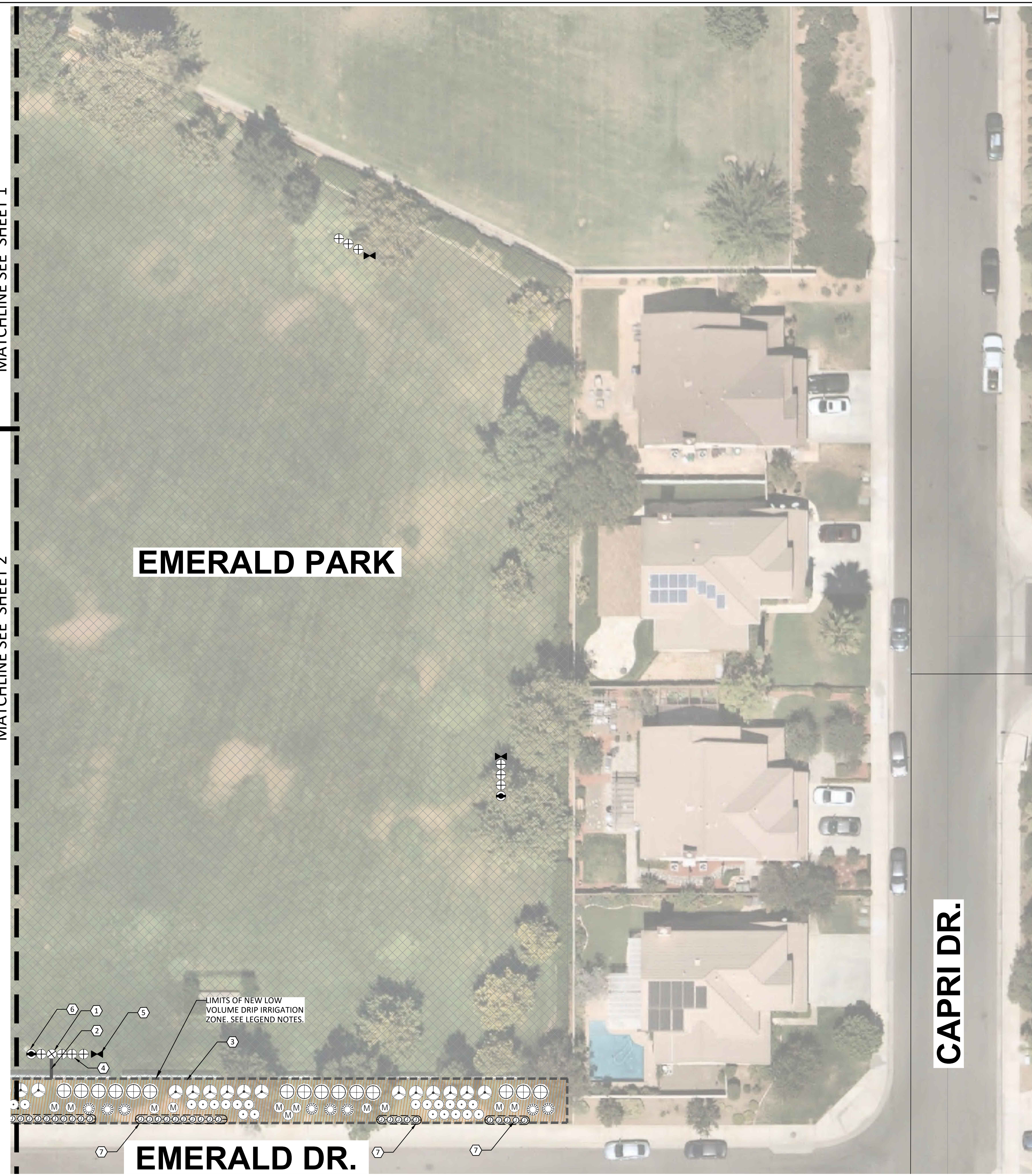


- NOTES:
- ALL PLANTERS AND SLOPES SHALL RECEIVE BARK MULCH
  - PROVIDE 2" THICK BARK MULCH WHEN OVERHEAD IRRIGATION IS USED
  - BARK MULCH SAMPLE MUST BE SUBMITTED FOR APPROVAL PRIOR TO PURCHASE
  - BARK MULCH SHALL BE 1/2" BELOW ALL WALKING/DRIVING SURFACES
  - BARK MULCH SHALL BE LARGE ENOUGH TO AVOID BEING BLOWN AWAY BY WINDS OR ROUTINE MAINTENANCE BUT SHALL NOT BE LARGER THAN 4"

LD Consulting 2012 (Any deviation or reproduction of this design must be approved in writing by Valley-Wide Recreation & Park District)

**VALLEY-WIDE RECREATION & PARK DISTRICT**  
BARK MULCH **PL-07**  
REV. 2012

MATCHLINE SEE SHEET 1  
MATCHLINE SEE SHEET 2



**PLANTING LEGEND**

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⊕	55	5 GAL.	HETEROMOLIS ARBUTIFOLIA	TOYON	PL-04
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⊕	PER PLAN	11,900 SQ. FT.	AREA OF TURF REMOVAL		
⊕	PER PLAN	3" DEEP	ORGANIC COVER MULCH		PL-07

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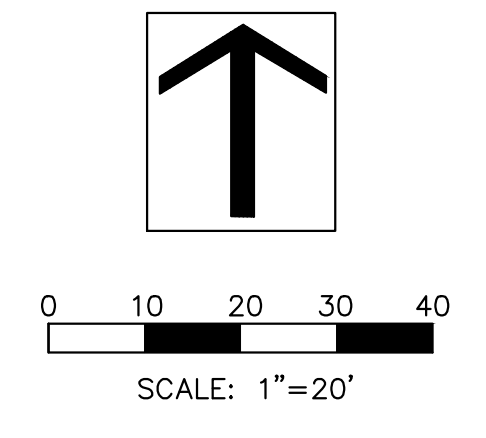
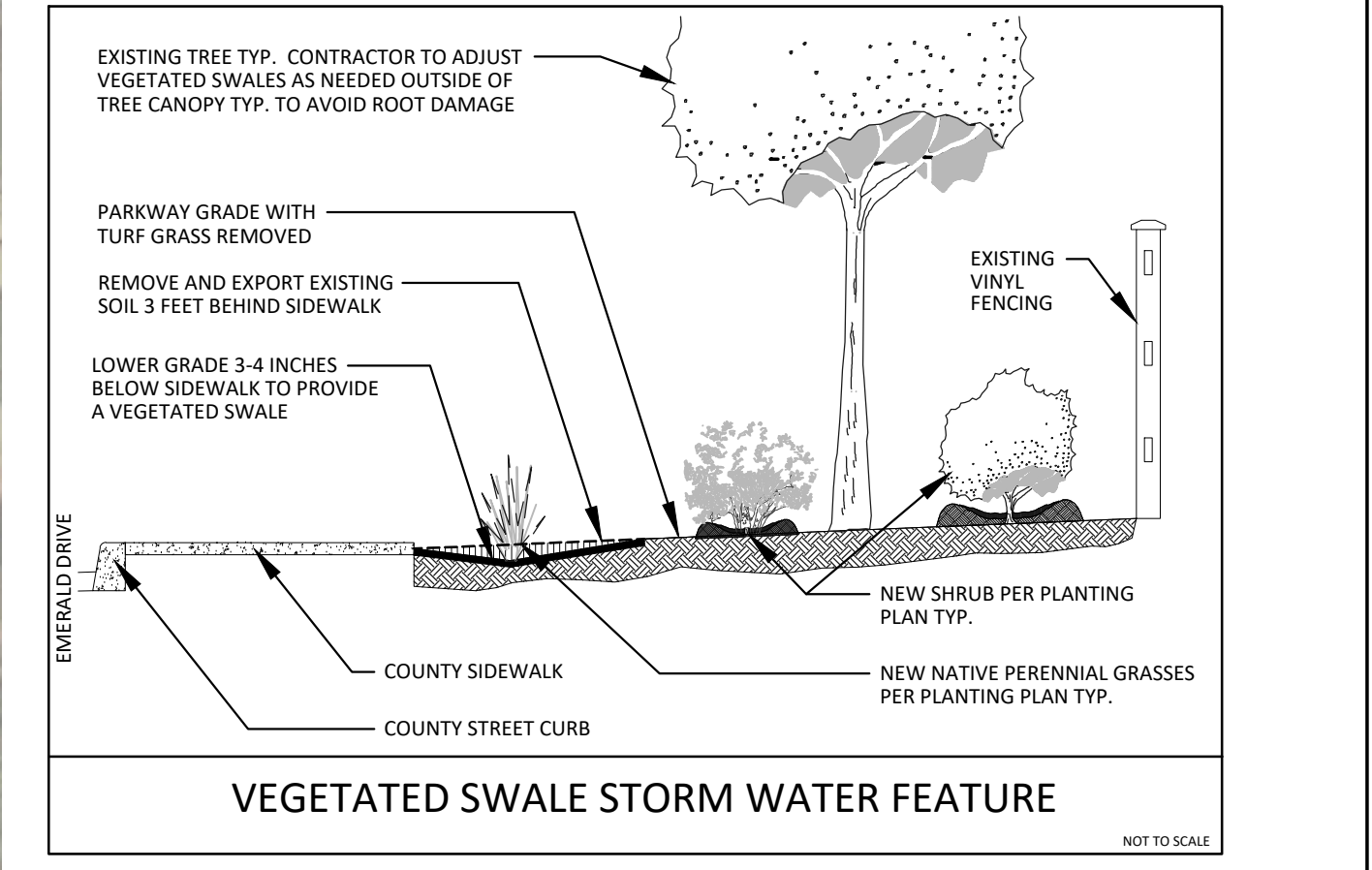
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**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>Den W...</i>	3-22-23

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

SENIOR CIVIL ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		
OPERATIONS		
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
TURF REMOVAL RETROFIT AND PLANTING IMPROVEMENTS  
POC #82 - EMERALD PARK  
**PLANTING PLAN**

**PL-03**

SHT. 3 OF 3  
DATE: 03-15-2023

# VALLEY-WIDE RECREATION AND PARK DISTRICT

## RECYCLED WATER RETROFIT PLAN

### FOR

## POC # 28 (POUROY RD., WISTERIA LOOP, GERANIUM ST. AND ABELIA ST.)

### CITY OF WINCHESTER, CALIFORNIA

EMWD WO# 77451

#### SHEET INDEX

- 1 COVER SHEET
- 2 INDEX MAP
- 3 INDEX MAP
- 4 INDEX MAP
- 5 INDEX MAP
- 6 INDEX MAP
- 7 IRRIGATION PLAN
- 8 IRRIGATION PLAN
- 9 IRRIGATION PLAN
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- 19 IRRIGATION PLAN
- 20 IRRIGATION PLAN
- 21 IRRIGATION DETAILS
- 22 IRRIGATION DETAILS
- 23 IRRIGATION SPECIFICATIONS

#### IRRIGATION NOTES

1. CONTRACTOR SHALL CAREFULLY PERFORM WORK TO INSURE THAT NO SERVICE INTERRUPTION OF DOMESTIC WATER OCCURS DURING OPERATION HOURS. CONTRACTOR SHALL NOTIFY THE DISTRICT 24 HOURS PRIOR TO ANY SCHEDULED SHUTDOWN OF DOMESTIC OR IRRIGATION WATER.
2. IRRIGATION WATER SUPPLY SHALL NOT BE TERMINATED FOR ANY PERIOD LONGER THAN 24 HOURS. IN THE EVENT THAT WATER IS TERMINATED LONGER THAN 24 HOURS, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO ANY LANDSCAPE RELATED TO LACK OF WATER.
3. CONTRACTOR SHALL DISCONNECT AND CAP ALL EXISTING MAINLINE AT LOCATIONS AS SHOWN ON THE PLANS. ALL FITTINGS (INCLUDING CAPS) 3" AND SMALLER SHALL BE SCH 80 PVC AND ALL FITTINGS LARGER THAN 3" SHALL BE LEEMCO IRON DUCTILE RESTRAINTS.
4. ALL NEW WORK SHALL COMPLY WITH CURRENT DISTRICT STANDARDS AND SPECIFICATIONS.
5. ALL NEW PRESSURE LINE PIPING SHALL BE PRESSURE TESTED PER EMWD REQUIREMENTS BEFORE CONNECTING TO ANY EXISTING MAINLINE. ANY EXISTING MAINLINE WILL NOT BE REQUIRED TO BE PRESSURE TESTED.
6. CONTRACTOR SHALL SLEEVE ALL EXISTING POTABLE PRESSURE LINE PIPING WITHIN 4 FEET OF ANY NEW RECYCLED WATER LINE AS REQUIRED BY EMWD. LOCATIONS OF DOMESTIC WATER PIPING IS SHOWN ON PLANS TO BE THE BEST KNOWLEDGE OF EMWD. IN THE EVENT ANY DISCREPANCY BETWEEN FIELD CONDITIONS AND PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SEPARATIONS SLEEVING AS REQUIRED BY EMWD WITHOUT ADDITIONAL COMPENSATION.
7. ALL EXISTING VALVE BOXES THAT ARE UNEVEN, OUT OF PLUMB, ABOVE OR BELOW GRADE SHALL BE ADJUSTED TO GRADE PER DISTRICT DETAILS.
8. ALL NEW VALVES AND PIPING SHALL BE MEASURED AND AS-BUILT PER EMWD REQUIREMENTS PRIOR TO BACKFILLING. ALL EXISTING PIPING LOCATED DURING CONSTRUCTION SHALL BE IDENTIFIED, MEASURED AND INCLUDED WITH THE AS-BUILTS.
9. ALL NEW PURPLE VALVE BOX LID SHALL BE HEAT BRANDED TO INDICATE THE CORRESPONDING CONTROLLER AND STATION NUMBER PER DISTRICT DETAIL.
10. INSTALL PURPLE CAPS FOR ALL SPRAY HEADS AND ROTORS THAT ARE CONNECTED TO RECYCLED WATER SYSTEM.
11. CONTRACTOR TO LOCATE AND REDLINE (DOCUMENT) ALL POTABLE AND FIRE WATER LINE ON-SITE FACILITIES WITHIN CLOSE PROXIMITY OF NEW RECYCLED WATER LINES.
12. ALL WORK SHALL CONFORM TO EASTERN MUNICIPAL WATER DISTRICT'S CURRENT STANDARDS, SPECIFICATIONS AND GUIDELINES FOR RECYCLED WATER.
13. IN THE EVENT OF ANY DISCREPANCY BETWEEN PLANS AND EMWD STANDARD GUIDELINES / SPECIFICATIONS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE OVER PLANS AS DETERMINED BY THE DISTRICT.
14. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT PRIOR TO ANY DIGGING AND SHALL BE RESPONSIBLE FOR ANY DAMAGED UTILITIES.
15. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR REPAIRING AND OR REPLACING ANY DAMAGE TO EXISTING LANDSCAPE AND IRRIGATION REQUIRED TO RETROFIT PROJECT TO RECYCLED WATER.
16. CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIM / HERSELF WITH EXISTING SITE CONDITIONS PRIOR TO SUBMITTAL OF BID.
17. IF FIELD CONDITIONS ARE DIFFERENT FROM WHAT IS SHOWN ON THE PLANS, THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONTINUING WITH SITE IMPROVEMENTS.
18. ANY COMPONENTS OF THE IRRIGATION SYSTEM WHICH ARE REPLACED / REPAIRED MUST BE REPLACED WITH PURPLE RECYCLED WATER COMPONENTS PER EMWD STANDARDS.
19. ALL WORK MUST CONFORM TO VALLEY-WIDE RECREATION AND PARK DISTRICT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF ANY CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT STANDARD SHALL PREVAIL, UNLESS OTHERWISE APPROVED BY BOTH EMWD AND VALLEY-WIDE.

#### HOLD HARMLESS AND INDEMNIFICATION CLAUSE

CONTRACTOR AGREES TO ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, THE CSA, COUNTY OF LOCAL JURISDICTION, THE CITY OF WINCHESTER, VALLEY-WIDE RECREATION AND PARK DISTRICT AND EASTERN MUNICIPAL WATER DISTRICT HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, THE CSA, AND COUNTY OF LOCAL JURISDICTION.

#### EMWD STANDARD RECYCLED WATER IRRIGATION PLAN NOTES

1. THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EMWD RECYCLED WATER IRRIGATION GUIDELINES, AND EMWD STANDARDS AND SPECIFICATIONS.
2. THE USE OF RECYCLED WATER SHALL ADHERE TO CDPH TITLE 22, DIVISION 4, CHAPTER 3 OF THE CALIFORNIA CODE OF REGULATIONS AND THE CURRENT RULES, ORDINANCES, REGULATIONS OF EMWD.
3. EMWD REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EMWD FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.
4. THE EASTERN MUNICIPAL WATER DISTRICT OPERATION DEPARTMENT SHALL BE NOTIFIED TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (951) 679-3222. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
5. WHEN POTABLE WATER IS ONSITE, THE CDPH TITLE 22 REQUIRES A CROSS CONNECTION SHUTDOWN TEST TO PRECEDE THE FINAL RELEASE OF THE IRRIGATION SYSTEM. THIS TEST WILL BE CONDUCTED BY EMWD.
6. THE RECYCLED WATER IRRIGATION PLAN IS A "LIVING" DOCUMENT OF RECORD THAT SHALL BE UPDATED IF THE PROJECT CONDITIONS, THE SITE PLAN, FACILITIES, IRRIGATED AREA, IRRIGATION DEMAND, OR DATA RELATIVE TO THE SITE CHANGES ONCE IT VARIES FROM THE ACCEPTED PLAN. DELTA REVISIONS OF THE PLAN SHALL BE AS DEEMED NECESSARY BY EMWD TO MAINTAIN ACCURATE DOCUMENT RECORDS OF THE PROJECT SITE AND LANDSCAPE IRRIGATION INSTALLATION.
7. ANY PROPOSED CHANGES TO A SYSTEM DURING CONSTRUCTION MUST BE SUBMITTED TO EMWD FOR AUTHORIZATION OF THE CHANGES PRIOR TO THE CHANGE BEING MADE IN THE FIELD.
8. UPON FINAL ACCEPTANCE OF AN IRRIGATION SYSTEM ANY FUTURE MODIFICATIONS MUST BE APPROVED THROUGH EMWD PRIOR TO THE START OF CONSTRUCTION.
9. ALL PUBLIC AND PRIVATE POTABLE WATER MAINS INCLUDING FIRE MAINS, ANY WATER WELLS AND/OR WATER COURSES WITHIN THE RECYCLED WATER PROJECT SHALL BE SHOWN ON THE PLANS.
10. DURING CONSTRUCTION, ALL RECYCLED IRRIGATION SYSTEMS SHALL BE CONNECTED TO A TEMPORARY POTABLE WATER SOURCE AT A T-METER CONNECTION TO A PUBLIC FIRE HYDRANT AS APPROVED BY EMWD. THIS CONNECTION WILL SERVE THE IRRIGATION SYSTEM WITH POTABLE WATER UNTIL THE METER IS RELEASED AT PROJECT APPROVAL. ALL TEMPORARY POTABLE CONNECTIONS FOR CONSTRUCTION OR IRRIGATION MUST BE HI-LINED THROUGH A T-METER AND AN APPROVED ABOVE GROUND REDUCED PRESSURE (RP) PRINCIPAL BACKFLOW DEVICE WITHIN 5 FEET OF METER. NO PURPLE COLORED PIPING OR APPURTENANCES SHALL BE CONNECTED TO ANY POTABLE WATER SOURCE.
11. REDUCED PRESSURE (RP) PRINCIPAL BACKFLOW DEVICES MUST BE APPROVED AND TESTED BY AN EMWD APPROVED BACKFLOW TESTER (A LIST OF APPROVED TESTERS ARE AVAILABLE UPON REQUEST).
12. CROSS CONNECTIONS BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED. FINES MAY BE LEVIED.
13. INTERCONNECTION OF IRRIGATION PRESSURE SUPPLY MAINLINES ORIGINATING FROM MORE THAN ONE METER IS STRICTLY PROHIBITED.
14. NO PONDING, RUNOFF OR OVERSPRAY IS PERMITTED. ADJUST ALL SPRINKLER HEADS TO MINIMIZE OVERSPRAY ONTO SIDEWALKS, STREETS, DRINKING FOUNTAINS, DECORATIVE FOUNTAINS, COMFORT STATIONS, PLAYGROUND EQUIPMENT, PICNIC TABLES, BBQ, PRIVATE LOTS, POTABLE WATER AREAS AND EQUIPMENT, FOOD PREPARATION, OUTDOOR EATING AREAS, OR NON-DESIGNATED USE AREAS MUST NOT BE SUBJECT TO RECYCLED WATER OVERSPRAY, WINDBLOWN SPRAY, RUNOFF, PONDING, OR UNAUTHORIZED USE. LACK OF PREVENTION, WHETHER BY DESIGN, CONSTRUCTION PRACTICE, OR SYSTEM OPERATION, IS STRICTLY PROHIBITED.
15. HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER SYSTEMS. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATED AREA.
16. QUICK COUPLING VALVES SHALL BE OF A TYPE APPROVED FOR RECYCLED WATER USE WITH BRASS CONSTRUCTION, A SPECIAL QUICK COUPLER KEY WITH AN ACME THREAD FOR OPENING AND CLOSING THE VALVE. QUICK COUPLER VALVES CANNOT BE LOCATED WITHIN 50 FEET OF FOOD PREPARATION, OUTDOOR EATING AREAS, OR DESIGNATED CHILDREN PLAY EQUIPMENT OR WITHIN THE FENCED PERIMETER SURROUNDING SWIMMING POOLS.
17. ALL NEW ON-SITE RECYCLED WATER PIPING INSTALLED ON THIS PROJECT SHALL BE PURPLE IN COLOR, PANTONE 522C AND IDENTIFIED IN ACCORDANCE WITH THE CURRENT CDPH GUIDELINES AND EASTERN MUNICIPAL WATER DISTRICTS STANDARDS AND SPECIFICATIONS.
18. WARNING TAPE FOR THE RECYCLED WATER PIPING SHALL BE PURPLE IN COLOR, PANTONE 522C, WITH THE WORDS "CAUTION: RECYCLED WATER" IMPRINTED IN MINIMUM 1 INCH HIGH LETTERS. IMPRINTING SHALL BE CONTINUOUS AND PERMANENT. THE WARNING TAPE SHALL BE INSTALLED CONTINUOUSLY ABOVE THE NEW RECYCLED WATER IRRIGATION MAINLINE.

20. EACH AUTOMATIC CONTROLLER AND ITS ASSOCIATED EQUIPMENT SHALL BE IDENTIFIED WITH A SIGN BEARING THE WORDS "CAUTION: RECYCLED WATER DO NOT DRINK", WITH LETTERS AT LEAST 1 INCH HIGH ON A PURPLE BACKGROUND AND WITH A "DO NOT DRINK" SYMBOL SIGN. THE SIGNS SHALL BE PLACED AS TO BE READILY SEEN BY ANY OPERATIONS PERSONNEL UTILIZING THE EQUIPMENT.
21. SIGNS OR DECALS WITH "RECYCLED WATER, DO NOT DRINK" AND THE DO NOT DRINK SYMBOL MUST BE POSTED ON PUMP CABINETS, AND ALL ENCLOSURES.
22. RECYCLED WATER SPRINKLERS / SPRAY HEADS MUST HAVE PURPLE CAPS, PURPLE COLLARS, AND THE RISERS HAVE A RECYCLED WATER DECAL. LARGE THROW HEADS MUST HAVE PURPLE INSERTS. PURPLE CAPS AND COLLARS MUST BE FIRMLY AFFIXED TO SPRINKLER HEADS. ALL OTHER ABOVE GROUND EQUIPMENTS MUST BE COLORED PURPLE OR HAVE A "RECYCLED WATER, DO NOT DRINK" DECAL OR SIGN.
23. ALL AUTOMATIC CONTROLLERS MUST BE SET TO OPERATE BETWEEN THE HOURS OF 9:00 P.M. AND 6:00 A.M. UNLESS OTHERWISE PERMITTED BY EMWD.
24. EDUCATE ALL MAINTENANCE PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORMED THAT RECYCLED WATER IS MEANT FOR IRRIGATION PURPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PURPOSES, HAND WASHING, CLEANING OF TOOLS, ETC.

IN CASE OF EMERGENCY, CONTACT GREGG WORTHINGTON AT (951) 654-1505 OR AFTER HOURS,

CONTACT GREGG WORTHINGTON AT (951) 306-2965

25. AN ON-SITE USER/SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM. SAID PERSON IS REQUIRED TO PROVIDE A 24 HOUR CONTACT PHONE NUMBER AND ATTEND APPROVED SITE SUPERVISOR CLASS. COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO EASTERN MUNICIPAL WATER DISTRICT.
26. FAILURE TO COMPLY WITH THESE NOTES AND EMWD'S RULES AND REGULATIONS IS A VIOLATION AND COULD RESULT IN SUSPENSION OF SERVICE UNTIL THE APPROPRIATE CORRECTIVE STEPS HAVE BEEN TAKEN.

#### LANDSCAPE MAINTENANCE RESPONSIBILITY NOTE

IT SHALL BE THE RESPONSIBILITY OF VALLEY-WIDE RECREATION AND PARK DISTRICT TO MAINTAIN ALL ON SITE RECYCLED WATER IRRIGATION IN ACCORDANCE WITH EMWD ORDINANCE 68 LATEST EDITION.

#### EMWD TIME LIMITATION NOTE

THE TIME LIMIT ON DRAWING APPROVAL SHALL BE SIX (6) MONTHS FROM THE DATE OF PLAN APPROVAL. IF CONSTRUCTION HAS NOT COMMENCED WITHIN THE STATED TIME, EMWD REQUIRES DRAWING(S) TO BE REVIEWED BY THE DESIGN ENGINEER AND/OR ARCHITECT AND RESUBMITTED TO EMWD FOR POSSIBLE CHANGES IN MASTER PLANNED FACILITIES, SPECIFICATIONS AND STANDARDS.

#### EMWD STANDARD NOTE

INSTALLATION NOTES  
THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS.

#### COLOR CODING NOTES

1. ALL IRRIGATION RISERS, DRIP LINE, AND COMPONENTS THAT ARE NOT AVAILABLE FROM THE MANUFACTURE WITH PURPLE RECYCLED WATER IDENTIFICATION SHALL BE LABELED WITH RECYCLED WATER DECALS OR STICKERS.
2. ALL IRRIGATION COMPONENTS AND VALVES MUST HAVE A RECYCLED WATER ID TAG AND A VALVE ID TAG IN A VALVE BOX WITH A PURPLE LID. THE PURPLE LID SHALL BE HEAT BRANDED WITH THE VALVE LABEL.
3. ROTOR HEADS MAY BE PAINTED PURPLE WHEN REPLACEMENT CAPS OR COLLARS ARE NOT AVAILABLE. CONTRACTOR TO SUBMIT QUANTITIES, MANUFACTURER AND MODEL NUMBER OF THE HEAD TO EMWD FOR APPROVAL.

#### RECYCLED WATER AND POTABLE WATER SEPARATION CLEARANCE NOTE

THE RECYCLED WATER IRRIGATION MAINLINE IS SHOWN DIAGRAMMATICALLY FOR CLARITY PURPOSES ONLY. THE RECYCLED WATER IRRIGATION MAINLINE MUST:

1. BE INSTALLED WITH A 4' (FOOT) MINIMUM HORIZONTAL CLEARANCE FROM ALL POTABLE WATERLINES AND FIRE LINES.
2. BE INSTALLED WITH A 1' (FOOT) OF VERTICAL CLEARANCE AND BE LOCATED UNDER ALL POTABLE WATERLINES AND FIRE LINES.
3. WHERE THE RECYCLED WATER IRRIGATION MAINLINES MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A 4" (INCH) MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER IRRIGATION MAINLINE MUST BE INSTALLED IN A CONTINUOUS SLEEVE (PVC CLASS 200 PIPE MINIMUM) WHICH EXTENDS A MINIMUM OF 10' (FEET) EACH SIDE OF THE POTABLE WATERLINE OR FIRE LINE.

CUSTOMER ACKNOWLEDGES AND AGREES THAT THIS DESIGN AND PLAN IS CONSISTENT WITH CUSTOMER'S OWN STANDARDS AND FIT FOR ITS INTENDED PURPOSE.

NAME: Dean Wetter

TITLE: General Manager

SIGNATURE: Dean Wetter

DATE: 1-20-2023

EXISTING POTABLE IRRIGATION DATA TABLE				
EXISTING POTABLE METER LOCATION	EXISTING P.O.C. DESIGNATION	SERVICE ORDER (SO) NUMBER	HISTORICAL USAGE (AF/Y)	EXISTING POTABLE METER SIZE (IN.)
WISTERIA LOOP	28	171016	3.80	1.5
WISTERIA LOOP	29	201612	2.26	2
WISTERIA LOOP	31	190818	7.67	2
TOTAL			13.73	

#### RECYCLED METER INFORMATION TABLE

POC ID	POC STA.	DWG #	IRRIGATED AREA (SF)	DEMAND (GPM)	ANNUAL USAGE ACRE FEET	LATERAL SIZE (IN.)	METER SIZE (IN.)
POC #28	81+89.00	D-60497	204,180	120	13.73	4"	2"
TOTAL			204,180	120	13.73		

**DIG ALERT**

Call: TOLL FREE 1-800-227-2600 OR 811

TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<u>Dean Wetter</u>	<u>1-20-23</u>

DATE: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

REVISIONS

DATE	BY	MARK	DESCRIPTION
3/24/23	JP	△	POC 28 POC RELOCATION (PAGES 2 & 8)

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

SENIOR CIVIL ENGINEER

DATE: 1/23/23

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<u>Zeta Arman</u>	<u>1/23/23</u>
OPERATIONS ENGINEERING	<u>[Signature]</u>	<u>1/23/23</u>
POS ENGINEER		

APPR. DATE: \_\_\_\_\_

EMWD: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

SENIOR CIVIL ENGINEER

DATE: 1/23/23

DEPARTMENT: \_\_\_\_\_

ACCEPTANCE: \_\_\_\_\_

DATE: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

**COVER SHEET**

WO: 77451

PCWO: \_\_\_\_\_

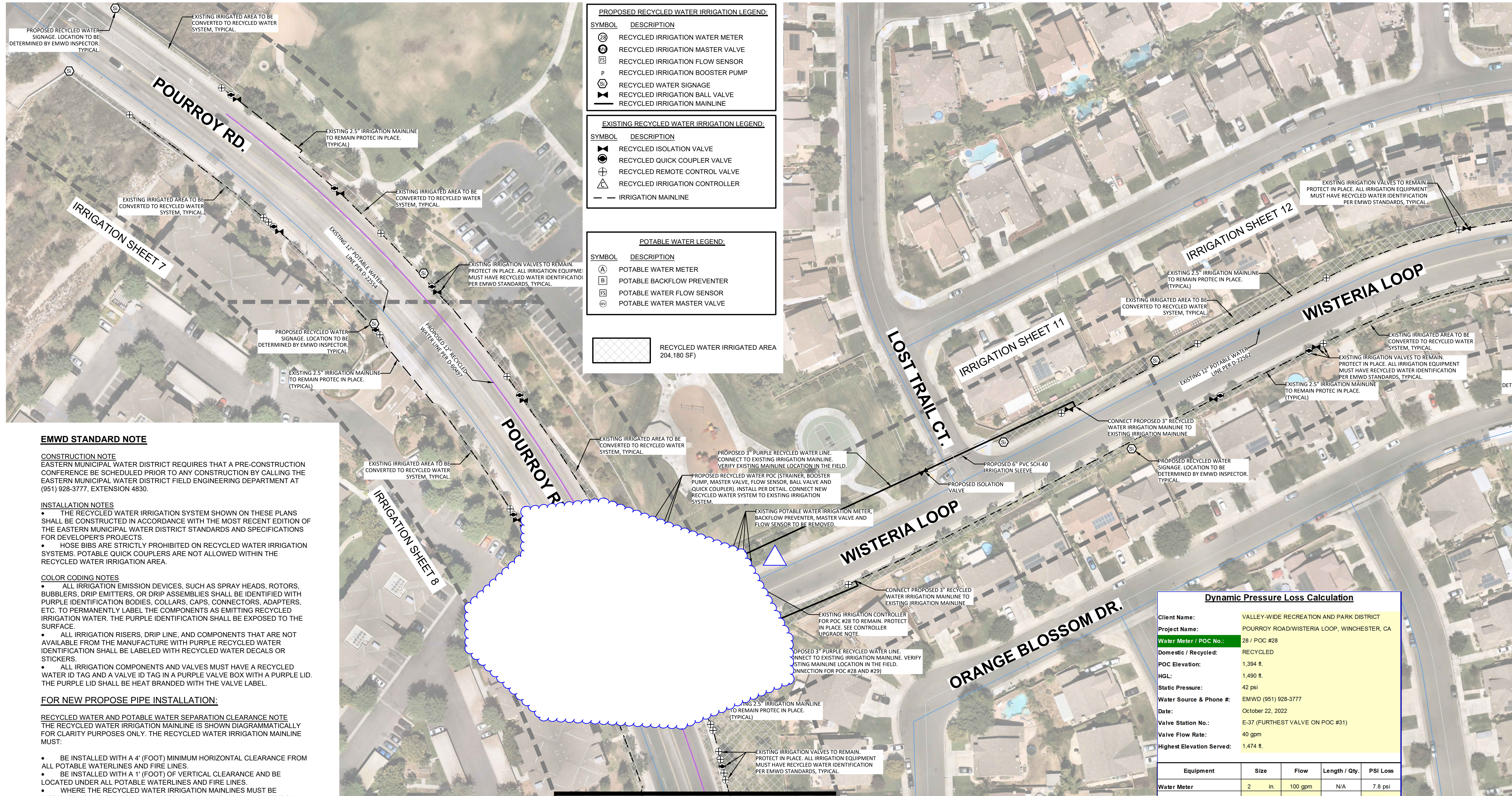
DOPP: \_\_\_\_\_

COORD. 14-A-03  
14-A-04  
14-A-12

RWUP: \_\_\_\_\_

I.D. 98 SHT. 1 OF 23

S.A. 34 D-66262



**PROPOSED RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
(M)	RECYCLED IRRIGATION WATER METER
(S)	RECYCLED IRRIGATION MASTER VALVE
(F)	RECYCLED FLOW SENSOR
(P)	RECYCLED IRRIGATION BOOSTER PUMP
(S)	RECYCLED WATER SIGNAGE
(B)	RECYCLED IRRIGATION BALL VALVE
(M)	RECYCLED IRRIGATION MAINLINE

**EXISTING RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
(X)	RECYCLED ISOLATION VALVE
(C)	RECYCLED QUICK COUPLER VALVE
(R)	RECYCLED REMOTE CONTROL VALVE
(C)	RECYCLED IRRIGATION CONTROLLER
(M)	IRRIGATION MAINLINE

**POTABLE WATER LEGEND:**

SYMBOL	DESCRIPTION
(M)	POTABLE WATER METER
(B)	POTABLE BACKFLOW PREVENTER
(F)	POTABLE WATER FLOW SENSOR
(M)	POTABLE WATER MASTER VALVE

RECYCLED WATER IRRIGATED AREA  
204,180 SF

**EMWD STANDARD NOTE**

**CONSTRUCTION NOTE**  
EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.

**INSTALLATION NOTES**

- THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS FOR DEVELOPER'S PROJECTS.
- HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER IRRIGATION SYSTEMS. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATION AREA.

**COLOR CODING NOTES**

- ALL IRRIGATION EMISSION DEVICES, SUCH AS SPRAY HEADS, ROTORS, BUBBLERS, DRIP EMITTERS, OR DRIP ASSEMBLIES SHALL BE IDENTIFIED WITH PURPLE IDENTIFICATION BODIES, COLLARS, CAPS, CONNECTORS, ADAPTERS, ETC. TO PERMANENTLY LABEL THE COMPONENTS AS EMITTING RECYCLED IRRIGATION WATER. THE PURPLE IDENTIFICATION SHALL BE EXPOSED TO THE SURFACE.
- ALL IRRIGATION RISERS, DRIP LINE, AND COMPONENTS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER WITH PURPLE RECYCLED WATER IDENTIFICATION SHALL BE LABELED WITH RECYCLED WATER DECALS OR STICKERS.
- ALL IRRIGATION COMPONENTS AND VALVES MUST HAVE A RECYCLED WATER ID TAG AND A VALVE ID TAG IN A PURPLE VALVE BOX WITH A PURPLE LID. THE PURPLE LID SHALL BE HEAT BRANDED WITH THE VALVE LABEL.

**FOR NEW PROPOSE PIPE INSTALLATION:**

**RECYCLED WATER AND POTABLE WATER SEPARATION CLEARANCE NOTE**  
THE RECYCLED WATER IRRIGATION MAINLINE IS SHOWN DIAGRAMMATICALLY FOR CLARITY PURPOSES ONLY. THE RECYCLED WATER IRRIGATION MAINLINE MUST:

- BE INSTALLED WITH A 4' (FOOT) MINIMUM HORIZONTAL CLEARANCE FROM ALL POTABLE WATER LINES AND FIRE LINES.
- BE INSTALLED WITH A 1' (FOOT) OF VERTICAL CLEARANCE AND BE LOCATED UNDER ALL POTABLE WATER LINES AND FIRE LINES.
- WHERE THE RECYCLED WATER IRRIGATION MAINLINES MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A 4" (INCH) MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER IRRIGATION MAINLINE MUST BE INSTALLED IN A CONTINUOUS SLEEVE (PVC CLASS 200 PIPE MINIMUM) WHICH EXTENDS A MINIMUM OF 10' (FEET) EACH SIDE OF THE POTABLE WATERLINE OR FIRE LINE.

**VALVE BOX NOTE:**

1. CONTRACTOR TO REPLACE EXISTING LIDS OF IRRIGATION VALVE BOXES. VALVE BOX LID SHALL BE PURPLE AND HEAT BRANDED WITH REMOTE CONTROL VALVE STATION AND COMPONENT IDENTIFICATION.
2. CONTRACTOR TO ADJUST EXISTING VALVE BOXES TO GRADE PER VALLEY-WIDE STANDARD AND INSTALL RECYCLED WATER ID TAG.
3. ALL DAMAGED VALVE BOXES SHALL BE REPLACED WITH NEW PURPLE COLOR VALVE BOXES AND HEAT BRANDED LID AND INSTALL RECYCLED WATER ID TAG WITHIN EACH BOX.

**IRRIGATION SCHEDULING RUN TIME NOTE:**

PROPOSE NEW RECYCLED WATER POC #28 WILL SERVE EXISTING POTABLE WATER POC #28, #29 AND #31.  
COMBINED FLOW FROM ALL POC'S NOT TO EXCEED 50 GPM.  
CONTROLLER #28, #29 AND #31 MUST NOT BE RUNNING AT ON THE SAME TIME/DAY.  
PROGRAMMING MUST BE CONFIRMED BY VALLEY-WIDE SITE SUPERVISORS.

**CONTROLLER UPGRADE NOTES:**

CONTROLLER UPGRADE MUST BE PURCHASED FROM CALSENSE.  
CONTACT NOLAN MOXLEY (562) 682-2380  
CONTROLLER #28: SR-YAGI-9  
CONTROLLER #29: SR-STICK-6  
CONTROLLER #31: SR-YAGI-9

**Dynamic Pressure Loss Calculation**

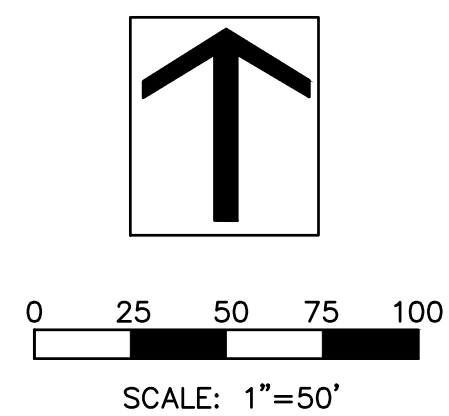
Client Name:	VALLEY-WIDE RECREATION AND PARK DISTRICT
Project Name:	POURROY ROAD/WISTERIA LOOP, WINCHESTER, CA
Water Meter / POC No.:	28 / POC #28
Domestic / Recycled:	RECYCLED
POC Elevation:	1,394 ft.
HGL:	1,490 ft.
Static Pressure:	42 psi
Water Source & Phone #:	EMWD (951) 928-3777
Date:	October 22, 2022
Valve Station No.:	E-37 (FURTHEST VALVE ON POC #31)
Valve Flow Rate:	40 gpm
Highest Elevation Served:	1,474 ft.

Equipment	Size	Flow	Length / Qty.	PSI Loss	
Water Meter	2 in.	100 gpm	N/A	7.8 psi	
Basket Strainer	2 in.	100 gpm	N/A	2.0 psi	
Mainline (PVC)	2 1/2 in.	40 gpm	3,780 ft.	19.1 psi	
Mainline (PVC)	3 in.	40 gpm	720 ft.	1.4 psi	
Master Valve	2 in.	100 gpm	N/A	3.2 psi	
Flow Meter	2 in.	100 gpm	N/A	0.2 psi	
Gate Valve	2 1/2 in.	100 gpm	5	1.0 psi	
Remote Control Valve	1 1/2 in.	40 gpm	N/A	3.5 psi	
Lateral Line	VARIABLES	VARIABLES	VARIABLES	4.0 psi	
Fittings (Estimate 10%)	N/A	N/A	N/A	4.2 psi	
				Elevation Change	34.6 psi
				Pressure Req. to Operate Heads	30.0 psi
				Total Pressure Required	111.0 psi
				Booster Pump Design Boost	80.0 psi
				Available Residual Pressure	10.5 psi

**BARRETT ENGINEERED PUMPS**  
SPECIALISTS IN PUMPS AND PUMPING SYSTEMS  
POURROY/WISTERIA LOOP October 31, 2022  
SYSTEM DESIGN PARAMETERS - POC #28

IBCR15-10-2-2.5/VFD-F	100 GPM	111 PSI	2 1/2 INCH
System Model Number	System Design Flow Rate	System Design Pressure	System Piping Size
42 PSI	230 VAC	1 PHASE 60 Hz	
Minimum Suction Pressure	System Electrical Voltage	System Electrical Phase and Frequency	
CR15-5	100 GPM	200 FEET	
Pump Model Number	Pump Capacity (GPM)	Pump Total Head (Feet)	
10 HP	3500 RPM	45 AMPS @ 230/1 ph	
Pump Horsepower	Pump RPM	System Full Load Amperage	

PROJECT:  
VALLEY  
WIDE -



**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

**REVISIONS**

DATE	BY	MARK	DESCRIPTION
3/24/23	JP	△	POC 28 POC RELOCATION

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_ MARK: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ ENGINEER: \_\_\_\_\_ DESCRIPTION: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING	<i>[Signature]</i>	
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

**INDEX MAP**

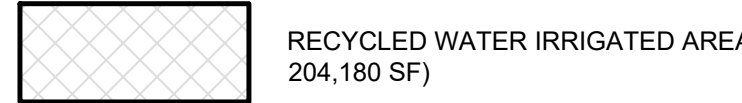
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DOPP: 14-A-03	RWUP:
COORD: 14-A-04	
14-A-12	
I.D. 98	SHT. 2 OF 23
S.A. 34	D-66263

MATCHLINE SEE INDEX MAP SHEET 2

SYMBOL	DESCRIPTION
(S)	RECYCLED IRRIGATION WATER METER
(M)	RECYCLED IRRIGATION MASTER VALVE
(FS)	RECYCLED IRRIGATION FLOW SENSOR
(P)	RECYCLED IRRIGATION BOOSTER PUMP
(S)	RECYCLED WATER SIGNAGE
(S)	RECYCLED IRRIGATION BALL VALVE
(S)	RECYCLED IRRIGATION MAINLINE

SYMBOL	DESCRIPTION
(S)	RECYCLED ISOLATION VALVE
(S)	RECYCLED QUICK COUPLER VALVE
(S)	RECYCLED REMOTE CONTROL VALVE
(S)	RECYCLED IRRIGATION CONTROLLER
(S)	IRRIGATION MAINLINE

SYMBOL	DESCRIPTION
(A)	POTABLE WATER METER
(B)	POTABLE BACKFLOW PREVENTER
(FS)	POTABLE WATER FLOW SENSOR
(M)	POTABLE WATER MASTER VALVE



**EMWD STANDARD NOTE**

**CONSTRUCTION NOTE**  
EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.

**INSTALLATION NOTES**  
 • THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS FOR DEVELOPER'S PROJECTS.  
 • HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER IRRIGATION SYSTEMS. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATION AREA.

**COLOR CODING NOTES**  
 • ALL IRRIGATION EMISSION DEVICES, SUCH AS SPRAY HEADS, ROTORS, BUBBLERS, DRIP EMITTERS, OR DRIP ASSEMBLIES SHALL BE IDENTIFIED WITH PURPLE IDENTIFICATION BODIES, COLLARS, CAPS, CONNECTORS, ADAPTERS, ETC. TO PERMANENTLY LABEL THE COMPONENTS AS EMITTING RECYCLED IRRIGATION WATER. THE PURPLE IDENTIFICATION SHALL BE EXPOSED TO THE SURFACE.  
 • ALL IRRIGATION RISERS, DRIP LINE, AND COMPONENTS THAT ARE NOT AVAILABLE FROM THE MANUFACTURE WITH PURPLE RECYCLED WATER IDENTIFICATION SHALL BE LABELED WITH RECYCLED WATER DECALS OR STICKERS.  
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**FOR NEW PROPOSE PIPE INSTALLATION:**

**RECYCLED WATER AND POTABLE WATER SEPARATION CLEARANCE NOTE**  
THE RECYCLED WATER IRRIGATION MAINLINE IS SHOWN DIAGRAMMATICALLY FOR CLARITY PURPOSES ONLY. THE RECYCLED WATER IRRIGATION MAINLINE MUST:

- BE INSTALLED WITH A 4' (FOOT) MINIMUM HORIZONTAL CLEARANCE FROM ALL POTABLE WATERLINES AND FIRE LINES.
- BE INSTALLED WITH A 1' (FOOT) OF VERTICAL CLEARANCE AND BE LOCATED UNDER ALL POTABLE WATERLINES AND FIRE LINES.
- WHERE THE RECYCLED WATER IRRIGATION MAINLINES MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A 4" (INCH) MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER IRRIGATION MAINLINE MUST BE INSTALLED IN A CONTINUOUS SLEEVE (PVC CLASS 200 PIPE MINIMUM) WHICH EXTENDS A MINIMUM OF 10' (FEET) EACH SIDE OF THE POTABLE WATERLINE OR FIRE LINE.

**VALVE BOX NOTE:**

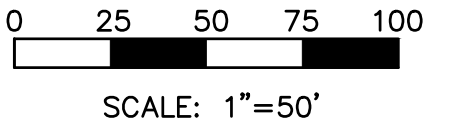
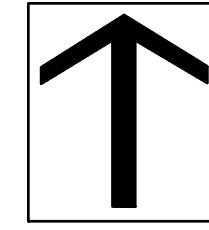
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**IRRIGATION SCHEDULING RUN TIME NOTE:**

PROPOSE NEW RECYCLED WATER POC #28 WILL SERVE EXISTING POTABLE WATER POC #28, #29 AND #31.  
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CONTROLLER #28, #29 AND #31 MUST NOT BE RUNNING AT ON THE SAME TIME/DAY.  
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CONTROLLER UPGRADE MUST BE PURCHASED FROM CALSENSE.  
CONTACT NOLAN MOXLEY (562) 682-2380  
CONTROLLER #28: SR-YAGI-9  
CONTROLLER #29: SR-STICK-6  
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**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK	
DESCRIPTION:	_____
LOCATION:	_____
VERTICAL DATUM:	_____
HORIZONTAL DATUM:	_____

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT		
DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23
DATE:		
DRAWN BY:	DATE	BY MARK
CHECKED BY:	ENGINEER	DESCRIPTION

REVISIONS			

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT		
<i>John Wueth</i>	1/23/23	DATE
SENIOR CIVIL ENGINEER		
DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT		WO: 77451
WINCHESTER, CA.		PCWO:
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS		DOPP: 14-A-03 14-A-04 14-A-12
POC #28		RWUJ:
<b>INDEX MAP</b>		RWUP:
I.D. 98	SHT. 3	OF 23
S.A. 34	D-66264	

**PROPOSED RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
	RECYCLED IRRIGATION WATER METER
	RECYCLED IRRIGATION MASTER VALVE
	RECYCLED IRRIGATION FLOW SENSOR
	RECYCLED IRRIGATION BOOSTER PUMP
	RECYCLED WATER SIGNAGE
	RECYCLED IRRIGATION BALL VALVE
	RECYCLED IRRIGATION MAINLINE

**EXISTING RECYCLED WATER IRRIGATION LEGEND:**

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	RECYCLED QUICK COUPLER VALVE
	RECYCLED REMOTE CONTROL VALVE
	RECYCLED IRRIGATION CONTROLLER
	IRRIGATION MAINLINE

**POTABLE WATER LEGEND:**

SYMBOL	DESCRIPTION
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	POTABLE BACKFLOW PREVENTER
	POTABLE WATER FLOW SENSOR
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RECYCLED WATER IRRIGATED AREA  
204,180 SF)

**EMWD STANDARD NOTE**

**CONSTRUCTION NOTE**  
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**VALVE BOX NOTE:**

- CONTRACTOR TO REPLACE EXISTING LIDS OF IRRIGATION VALVE BOXES. VALVE BOX LID SHALL BE PURPLE AND HEAT BRANDED WITH REMOTE CONTROL VALVE STATION AND COMPONENT IDENTIFICATION.
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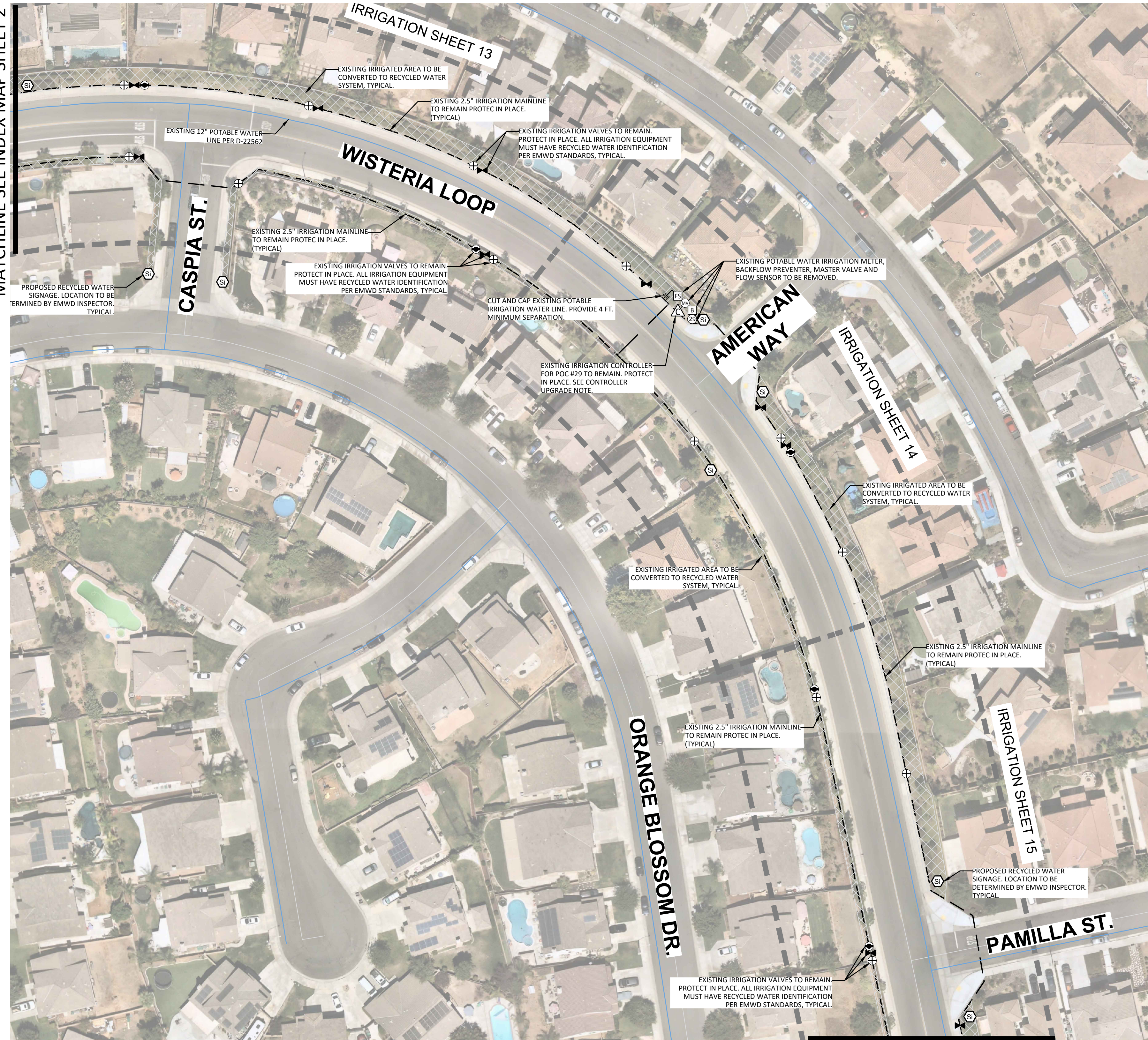
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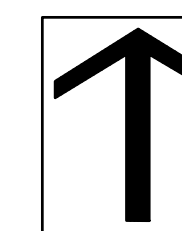
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CONTROLLER #28: SR-YAGI-9  
CONTROLLER #29: SR-STICK-6  
CONTROLLER #31: SR-YAGI-9

MATCHLINE SEE INDEX MAP SHEET 2



MATCHLINE SEE INDEX MAP SHEET 5



0 25 50 75 100  
SCALE: 1"=50'

**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

**REVISIONS**

DATE	BY	MARK	DESCRIPTION

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_ MARK: \_\_\_\_\_ APPR. DATE: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ ENGINEER: \_\_\_\_\_ DESCRIPTION: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>Sue Aman</i>	1/23/23
OPERATIONS	<i>David Wueth</i>	1/23/23

POS ENGINEER

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

**INDEX MAP**

WO: 77451

PCWO: \_\_\_\_\_

DOPP: \_\_\_\_\_ RWUE: \_\_\_\_\_

COORD. 14-A-03  
14-A-04  
14-A-12 RWUP: \_\_\_\_\_

I.D. 98 SHT. 4 OF 23

S.A. 34 D-66265

MATCHLINE SEE INDEX MAP SHEET 4

**PROPOSED RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
(28)	RECYCLED IRRIGATION WATER METER
(S)	RECYCLED IRRIGATION MASTER VALVE
(F)	RECYCLED IRRIGATION FLOW SENSOR
P	RECYCLED IRRIGATION BOOSTER PUMP
(S)	RECYCLED WATER SIGNAGE
(X)	RECYCLED IRRIGATION BALL VALVE
(—)	RECYCLED IRRIGATION MAINLINE

**EXISTING RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
(X)	RECYCLED ISOLATION VALVE
(C)	RECYCLED QUICK COUPLER VALVE
(R)	RECYCLED REMOTE CONTROL VALVE
(A)	RECYCLED IRRIGATION CONTROLLER
(—)	IRRIGATION MAINLINE

**POTABLE WATER LEGEND:**

SYMBOL	DESCRIPTION
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RECYCLED WATER IRRIGATED AREA  
204,180 SF

**EMWD STANDARD NOTE**

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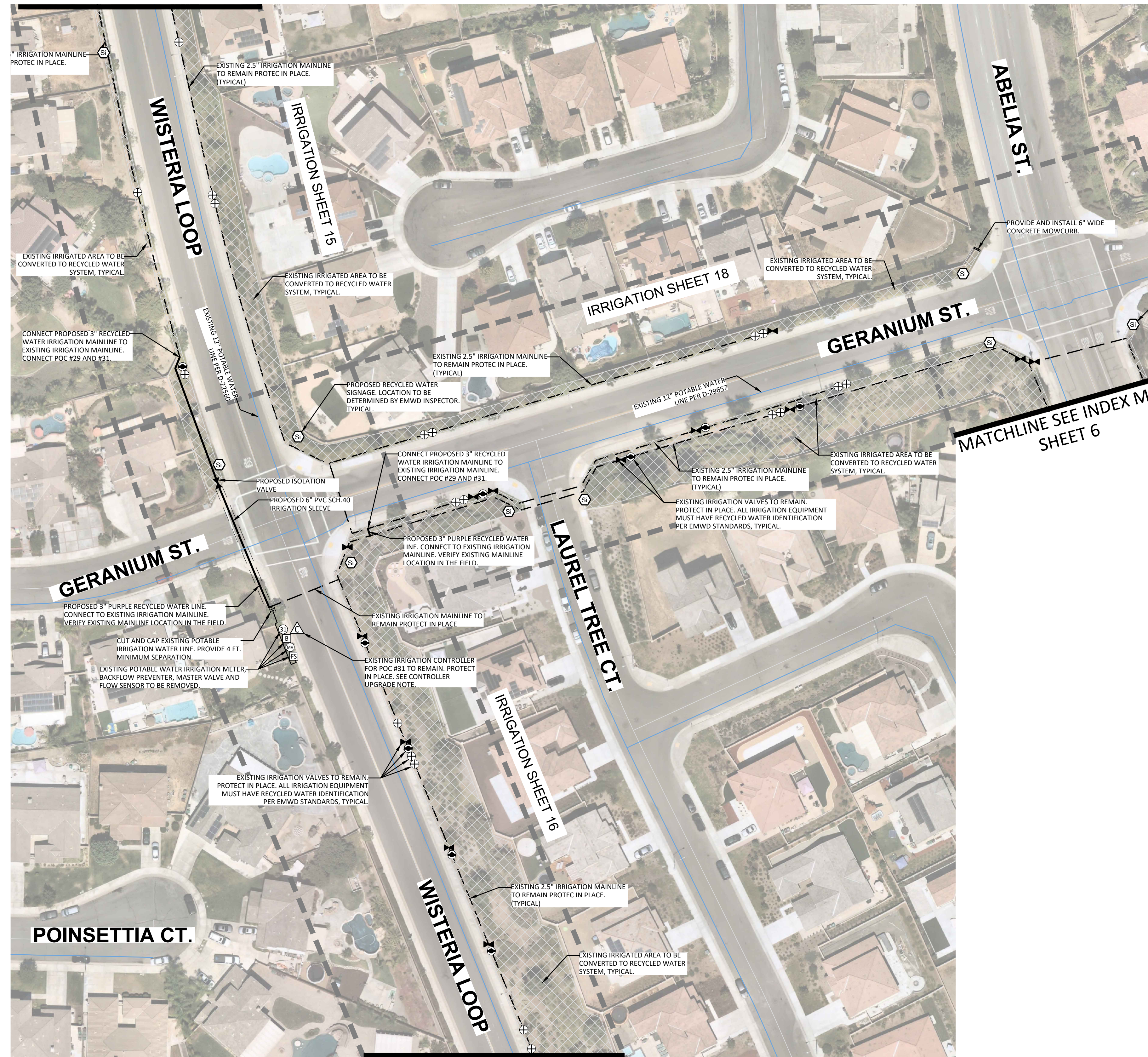
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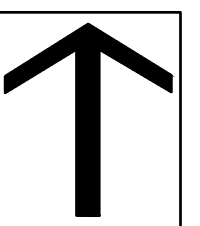
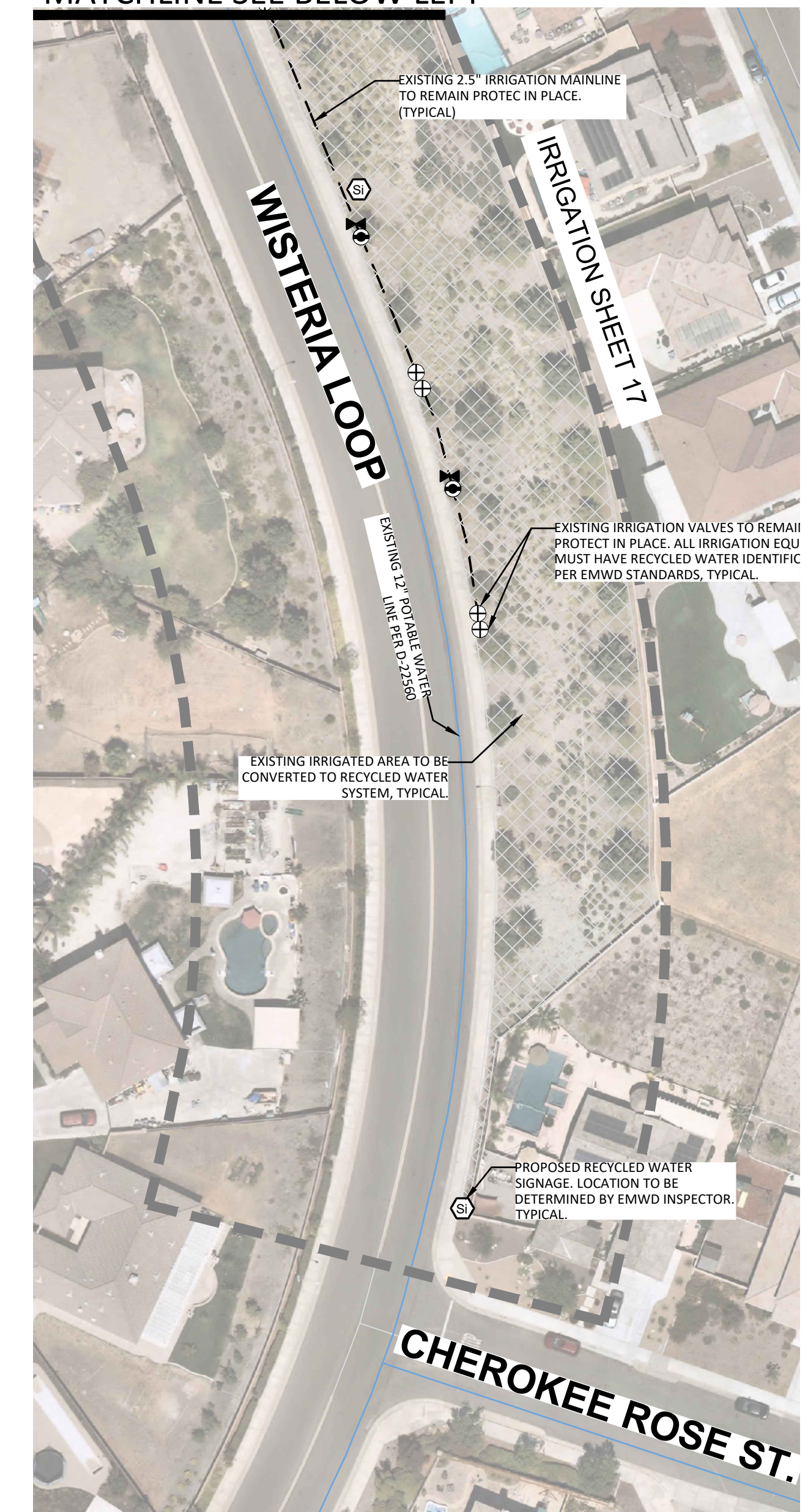
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MATCHLINE SEE ABOVE RIGHT

MATCHLINE SEE BELOW LEFT



0 25 50 75 100  
SCALE: 1"=50'

**DIG ALERT**  
Call: TOLL FREE  
1-800-227-2600  
OR  
811  
TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**  
DESCRIPTION: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
VERTICAL DATUM: \_\_\_\_\_  
HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_  
VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

DATE: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_ DATE BY MARK \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_ ENGINEER DESCRIPTION \_\_\_\_\_

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION	APPR.	DATE

ACCEPTED BY: \_\_\_\_\_  
EASTERN MUNICIPAL WATER DISTRICT  
*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
POC #28  
**INDEX MAP**

WO: 77451	PCWO: _____
DOPP: 14-A-03	RWUE: _____
COORD: 14-A-04	RWUP: _____
14-A-12	
I.D. 98	SHT. 5 OF 23
S.A. 34	D-66266

**PROPOSED RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
	RECYCLED IRRIGATION WATER METER
	RECYCLED IRRIGATION MASTER VALVE
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SYMBOL	DESCRIPTION
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RECYCLED WATER IRRIGATED AREA (204,180 SF)

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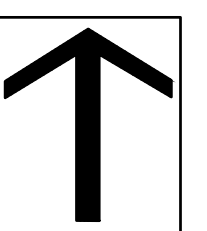
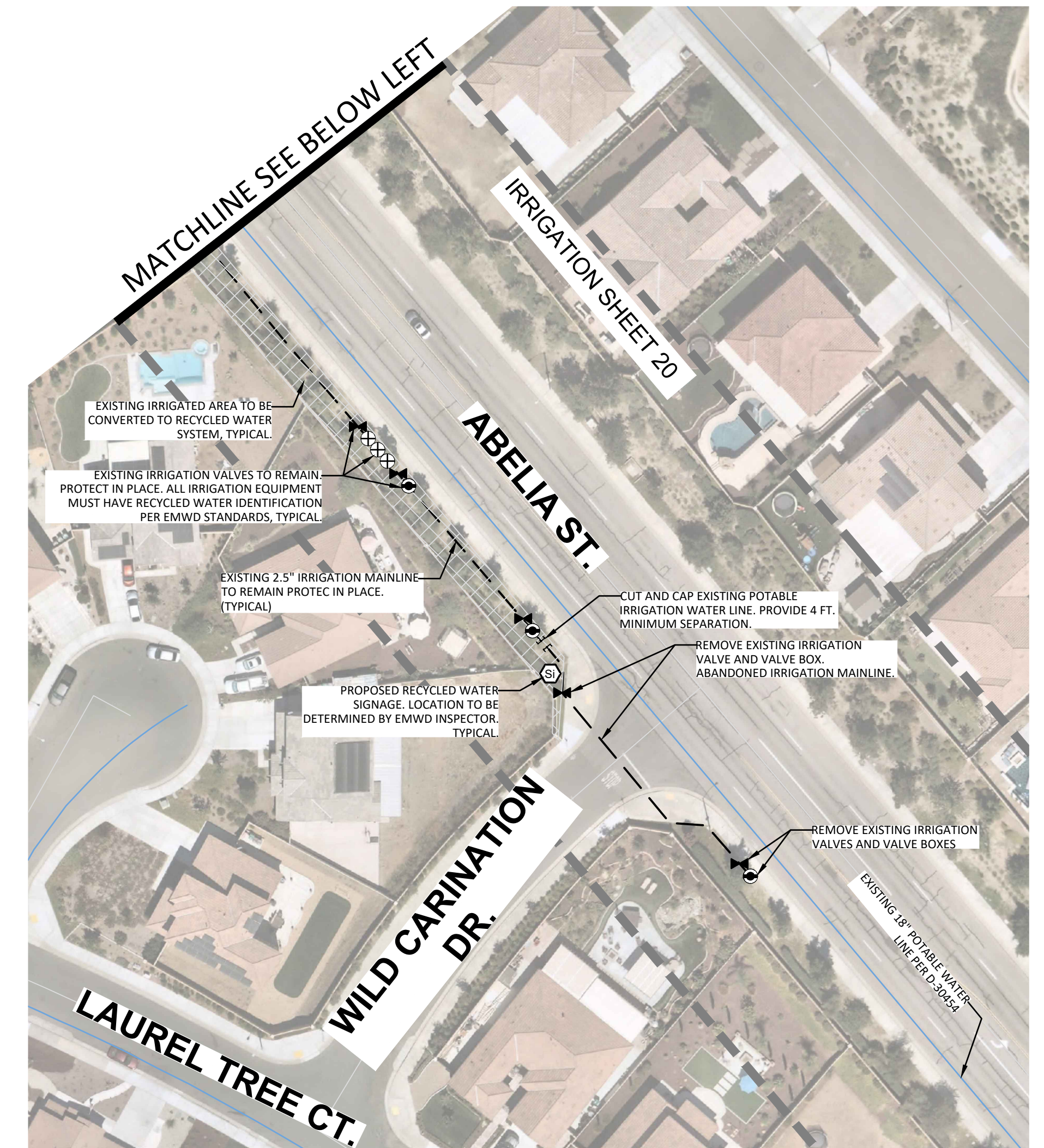
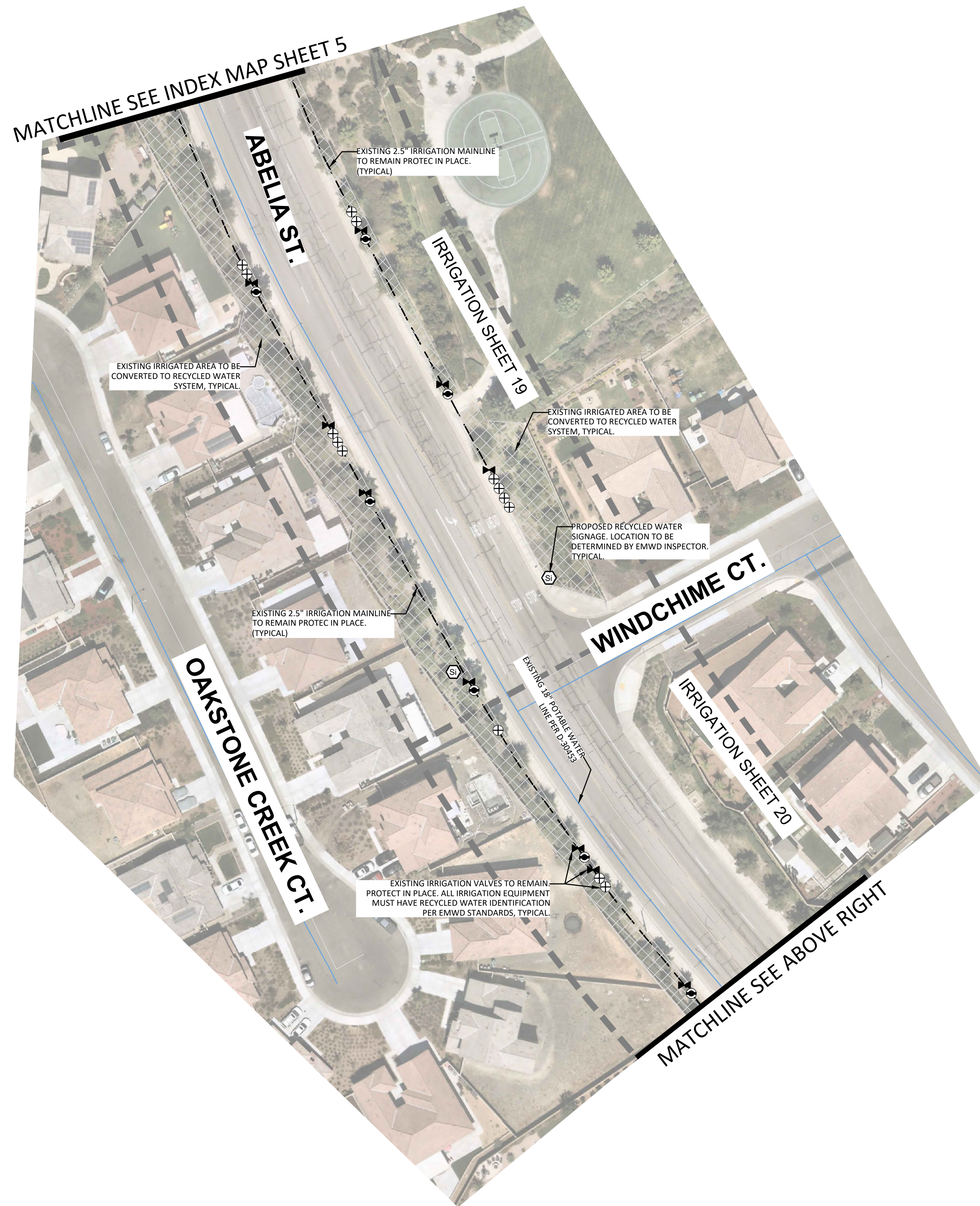
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- ALL DAMAGED VALVE BOXES SHALL BE REPLACED WITH NEW PURPLE COLOR VALVE BOXES AND HEAT BRANDED LID AND INSTALL RECYCLED WATER ID TAG WITHIN EACH BOX.

**IRRIGATION SCHEDULING RUN TIME NOTE:**

PROPOSE NEW RECYCLED WATER POC #28 WILL SERVE EXISTING POTABLE WATER POC #28, #29 AND #31.  
COMBINED FLOW FROM ALL POC'S NOT TO EXCEED 50 GPM.  
CONTROLLER #28, #29 AND #31 MUST NOT BE RUNNING AT ON THE SAME TIME/DAY.  
PROGRAMMING MUST BE CONFIRMED BY VALLEY-WIDE SITE SUPERVISORS.

**CONTROLLER UPGRADE NOTES:**

CONTROLLER UPGRADE MUST BE PURCHASED FROM CALSENSE.  
CONTACT NOLAN MOXLEY (562) 682-2380  
CONTROLLER #28: SR-YAGI-9  
CONTROLLER #29: SR-STICK-6  
CONTROLLER #31: SR-YAGI-9



SCALE: 1"=50'

<b>DIG ALERT</b>  Call: TOLL FREE 1-800-227-2600 OR 811 TWO FULL WORKING DAYS BEFORE YOU DIG	<b>BENCH MARK</b> DESCRIPTION: _____ LOCATION: _____ VERTICAL DATUM: _____ HORIZONTAL DATUM: _____	ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT	<b>REVISIONS</b>				ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT <i>John Wueth</i> 1/23/23 SENIOR CIVIL ENGINEER	VALLEY-WIDE RECREATION AND PARK DISTRICT WINCHESTER, CA. RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS POC #28 <b>INDEX MAP</b>	WO: 77451
		DEPARTMENT: _____ ACCEPTANCE: <i>[Signature]</i> DATE: 1-20-23	DATE: _____ BY: _____ MARK: _____	DEPARTMENT: _____ ACCEPTANCE: <i>[Signature]</i> DATE: 1/23/23	NEW BUSINESS P.C. OPERATIONS ENGINEERING POS ENGINEER	RWUJ: RWUP: SHT. 6 OF 23 D-66267			



MATCHLINE SEE SHEET 8

CONSTRUCTION LEGEND

- | SYMBOL | DESCRIPTION   |
|--------|---|
| ①      | INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.  |
| ②      | PROVIDE AND INSTALL NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL PER DETAIL.  |
| ③      | PROVIDE AND INSTALL YARDNEY STRAINER MCS2-1. SIZE: 2" WITH MAX. FLOW 110 GPM. INSTALL ABOVE GROUND WITH STAINLESS STEEL ENCLOSURE PER MANUFACTURER STANDARD AND DETAIL.   |
| ④      | PROVIDE AND INSTALL BUCKNER SUPERIOR 3300 NORMALLY OPEN MASTER VALVE (SIZE: 2") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.   |
| ⑤      | PROVIDE AND INSTALL CALSENSE FLOW SENSOR FM-2B (SIZE: 2") INSTALL PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.   |
| ⑥      | PROVIDE AND INSTALL 1" BALL VALVE INSIDE ROUND PURPLE VALVE BOX.  |
| ⑦      | PROVIDE AND INSTALL 3" CLASS 315 PVC PURPLE RECYCLED WATER IRRIGATION MAINLINE (24" DEEP MIN.) AND CONNECT TO EXISTING IRRIGATION POC AS SHOWN ON PLAN.   |
| ⑧      | PROVIDE AND INSTALL 14GA. VALVE WIRES FOR MASTER VALVE AND P7162D PAIGE CABLE FOR FLOW SENSOR INSIDE A 1.5" PVC SCH-40 CONDUIT. INSTALL PULL BOX AT ANY CHANGE IN DIRECTION. CONNECT TO EXISTING IRRIGATION CONTROLLER. |
| ⑨      | PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.  |
| ⑩      | CUT AND CAP EXISTING IRRIGATION MAINLINE-PROVIDE A MINIMUM OF 4FT. SEPARATION AND REMOVE UNUSED PIPE.   |
| ⑪      | REPLACE EXISTING QUICK COUPLER WITH NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL NEW PURPLE VALVE BOX PER DETAIL.   |
| ⑫      | REPLACE ALL EXISTING IRRIGATION VALVE BOX'S LIDS ONLY WITH PURPLE RECYCLED WATER AND LABEL ACCORDINGLY.   |
| ⑬      | EXISTING DOMESTIC IRRIGATION WATER METER TO BE REMOVED (BY OTHERS)  |
| ⑭      | EXISTING BACKFLOW PREVENTER TO BE REMOVED. CUT AND CAP EXISTING LINE. REMOVE ALL UNUSED PIPE.   |
| ⑮      | CONNECT PROPOSE NEW MASTER VALVE AND FLOW SENSOR WIRES TO EXISTING CONTROLLER. ADJUST EXISTING CONTROLLER FOR HIGH-FLOW SHUT-OFF SETTING.   |
| ⑯      | PROVIDE AND INSTALL NIBCO T-113 GATE VALVE (MAINLINE SIZE). TO BE INSTALLED PER DETAIL.   |
| ⑰      | INSTALL 6" PVC PURPLE CLASS 200 SLEEVE. SLEEVE MUST BE BURIED MINIMUM OF 36" FROM FINISH GRADE OR PER THE COUNTY STANDARD.  |
| ⑱      | REMOVE EXISTING MASTER VALVE, FLOW SENSOR AND ISOLATION VALVE. CUT AND CAP MAINLINE.  |
| ⑲      | PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.   |
| ⑳      | PROVIDE AND INSTALL ELECTRICAL POWER CONNECTION FROM NEARBY POWER SOURCE TO NEW PROPOSED IRRIGATION BOOSTER PUMP. ELECTRICAL WIRING INSTALLATION TO BE PER COUNTY AND NEC STANDARD CODE.                                |
| ㉑      | PROVIDE AND INSTALL 6" WIDE CONCRETE MOWCURB  |
| ㉒      | REMOVE EXISTING VALVE AND VALVE BOX.  |

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COLOR CODING

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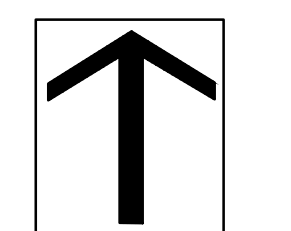
POTABLE AND RECYCLED WATER SEPARATION NOTE

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INSTALLATION NOTES

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0 10 20 30 40  
SCALE: 1"=20'

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Call: TOLL FREE 1-800-227-2600 OR 811  
TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
VERTICAL DATUM: \_\_\_\_\_  
HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

REVISIONS

DATE	BY	MARK	DESCRIPTION

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT

*John Wuerth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
POC #28  
IRRIGATION PLAN

WO: 77451	PCWO:
DOPP: 14-A-03	RWUE:
COORD. 14-A-04	RWUP:
14-A-12	
I.D. 98	SHT. 7 OF 23
S.A. 34	D-66268



MATCHLINE SEE SHEET 7

MATCHLINE SEE BELOW LEFT

MATCHLINE SEE SHEET 11

MATCHLINE SEE TOP RIGHT

MATCHLINE SEE SHEET 9

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COLOR CODING

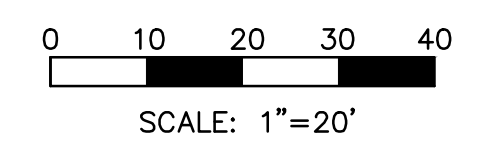
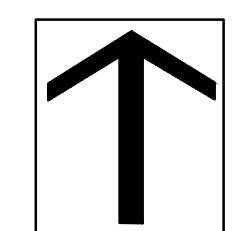
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LOCATION: \_\_\_\_\_  
VERTICAL DATUM: \_\_\_\_\_  
HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

REVISIONS

DATE	BY	MARK	DESCRIPTION
3/24/23	JP	△	POC 28 POC RELOCATION

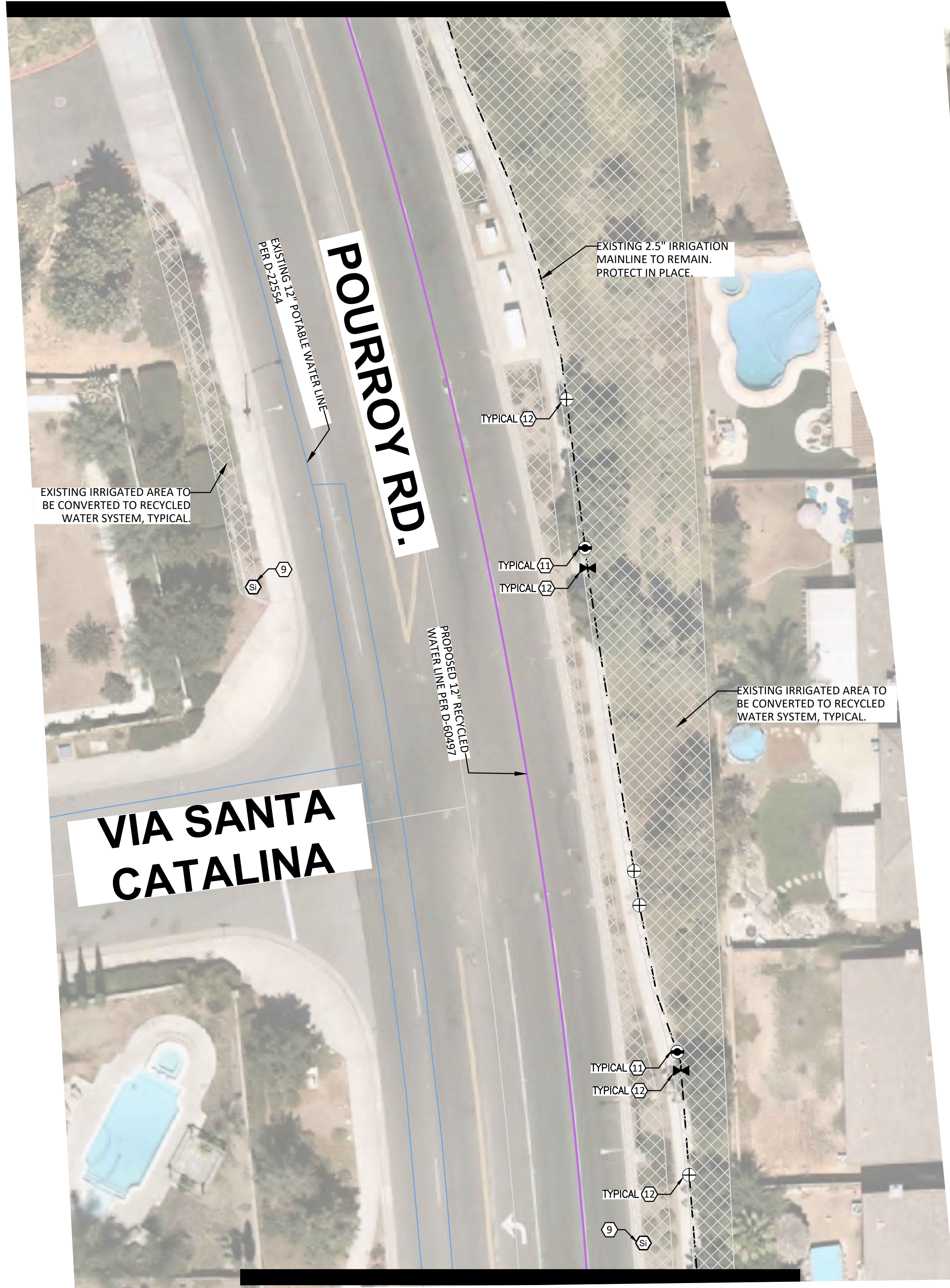
ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT  
*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>Seru Aman</i>	1/23/23
OPERATIONS	<i>David Wueth</i>	1/23/23

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
POC #28  
IRRIGATION PLAN

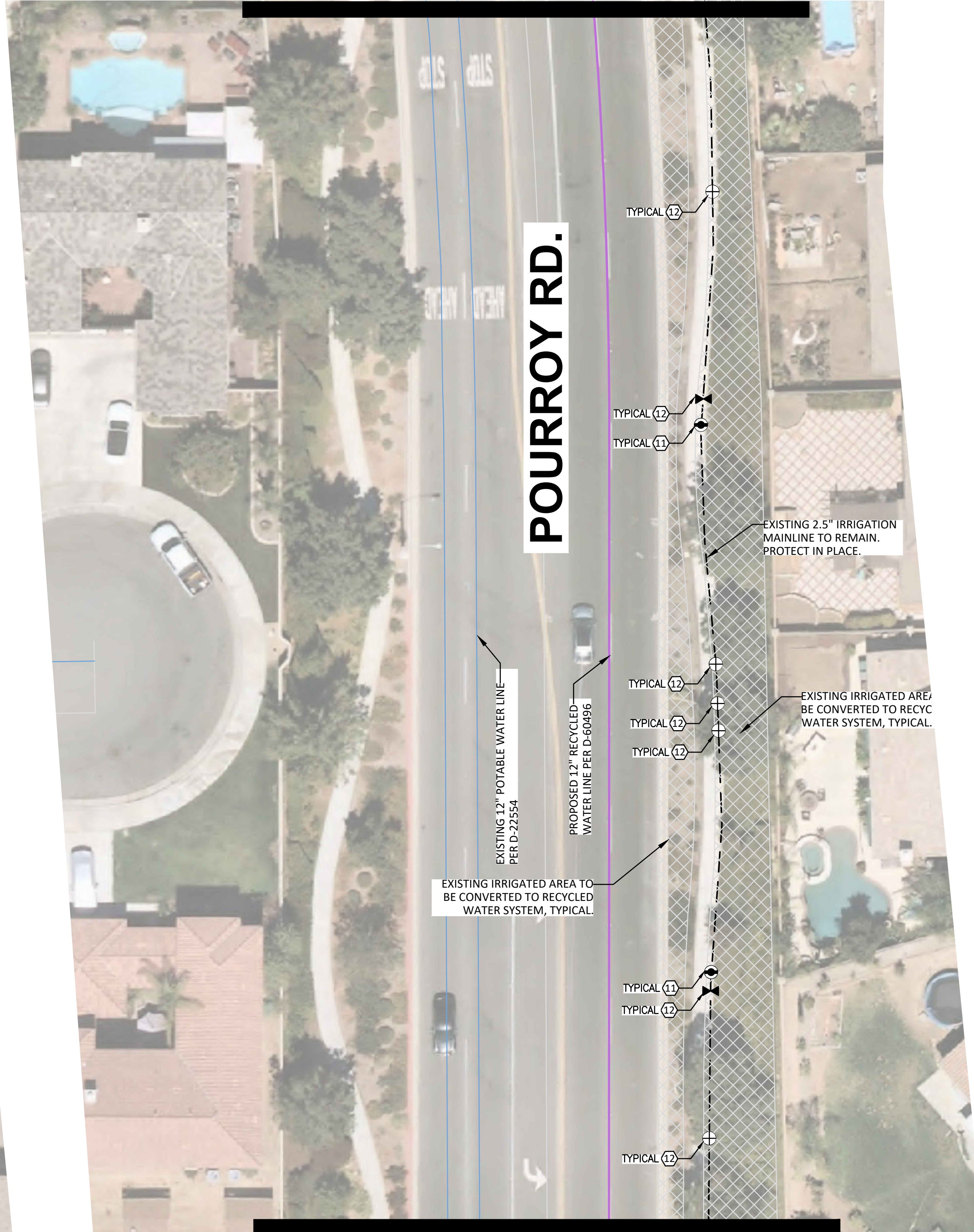
WO: 77451	PCWO:
DOPP: 14-A-03	RWUE:
COORD: 14-A-04	RWUP:
14-A-12	
I.D. 98	SHT. 8 OF 23
S.A. 34	D-66269

MATCHLINE SEE SHEET 8



MATCHLINE SEE TOP RIGHT

MATCHLINE SEE BELOW LEFT



MATCHLINE SEE SHEET 10

CONSTRUCTION LEGEND

SYMBOL	DESCRIPTION
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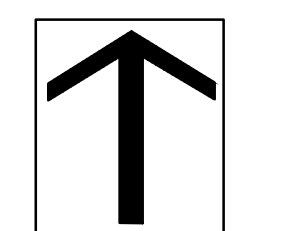
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BENCH MARK  
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ACCEPTED BY:  
VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

REVISIONS

DATE	BY	MARK	DESCRIPTION

ACCEPTED BY:  
EASTERN MUNICIPAL WATER DISTRICT  
*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
POC #28  
IRRIGATION PLAN

WO: 77451	PCWO:
DOPP: 14-A-03	RWUE:
COORD: 14-A-04	RWUP:
14-A-12	
I.D. 98	SHT. 9 OF 23
S.A. 34	D-66270

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| ①      | INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.  |
| ②      | PROVIDE AND INSTALL NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL PER DETAIL   |
| ③      | PROVIDE AND INSTALL YARDNEY STRAINER MCS2-1, SIZE: 2" WITH MAX. FLOW 110 GPM. INSTALL ABOVE GROUND WITH STAINLESS STEEL ENCLOSURE PER MANUFACTURER STANDARD AND DETAIL.   |
| ④      | PROVIDE AND INSTALL BUCKNER SUPERIOR 3300 NORMALLY OPEN MASTER VALVE (SIZE: 2") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.   |
| ⑤      | PROVIDE AND INSTALL CALSENSE FLOW SENSOR FM-2B (SIZE: 2"). INSTALL PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.  |
| ⑥      | PROVIDE AND INSTALL 1" BALL VALVE INSIDE ROUND PURPLE VALVE BOX.  |
| ⑦      | PROVIDE AND INSTALL 3" CLASS 315 PVC PURPLE RECYCLED WATER IRRIGATION MAINLINE (24" DEEP MIN.) AND CONNECT TO EXISTING IRRIGATION POC AS SHOWN ON PLAN.   |
| ⑧      | PROVIDE AND INSTALL 14GA. VALVE WIRES FOR MASTER VALVE AND P7162D PAIGE CABLE FOR FLOW SENSOR INSIDE A 1.5" PVC SCH.40 CONDUIT. INSTALL PULL BOX AT ANY CHANGE IN DIRECTION. CONNECT TO EXISTING IRRIGATION CONTROLLER. |
| ⑨      | PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.  |
| ⑩      | CUT AND CAP EXISTING IRRIGATION MAINLINE-PROVIDE A MINIMUM OF 4FT. SEPARATION AND REMOVE UNUSED PIPE.   |
| ⑪      | REPLACE EXISTING QUICK COUPLER WITH NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL NEW PURPLE VALVE BOX PER DETAIL  |
| ⑫      | REPLACE ALL EXISTING IRRIGATION VALVE BOX'S LIDS ONLY WITH PURPLE RECYCLED WATER AND LABEL ACCORDINGLY.   |
| ⑬      | EXISTING DOMESTIC IRRIGATION WATER METER TO BE REMOVED (BY OTHERS)  |
| ⑭      | EXISTING BACKFLOW PREVENTER TO BE REMOVED. CUT AND CAP EXISTING LINE. REMOVE ALL UNUSED PIPE.   |
| ⑮      | CONNECT PROPOSE NEW MASTER VALVE AND FLOW SENSOR WIRES TO EXISTING CONTROLLER. ADJUST EXISTING CONTROLLER FOR HIGH-FLOW SHUT-OFF SETTING.   |
| ⑯      | PROVIDE AND INSTALL NIBCO T-113 GATE VALVE (MAINLINE SIZE). TO BE INSTALLED PER DETAIL.   |
| ⑰      | INSTALL 6" PVC PURPLE CLASS 200 SLEEVE. SLEEVE MUST BE BURIED MINIMUM OF 36" FROM FINISH GRADE OR PER THE COUNTY STANDARD.  |
| ⑱      | REMOVE EXISTING MASTER VALVE, FLOW SENSOR AND ISOLATION VALVE. CUT AND CAP MAINLINE.  |
| ⑲      | PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.   |
| ⑳      | PROVIDE AND INSTALL ELECTRICAL POWER CONNECTION FROM NEARBY POWER SOURCE TO NEW PROPOSED IRRIGATION BOOSTER PUMP. ELECTRICAL WIRING INSTALLATION TO BE PER COUNTY AND NEC STANDARD CODE.                                |
| ㉑      | PROVIDE AND INSTALL 6" WIDE CONCRETE MOWCURB  |
| ㉒      | REMOVE EXISTING VALVE AND VALVE BOX.  |



MATCHLINE SEE SHEET 9

IRRIGATION DRAWING NOTE:

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COLOR CODING

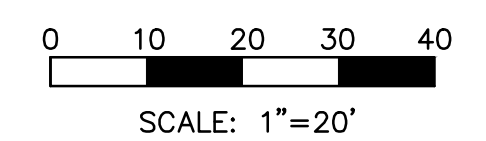
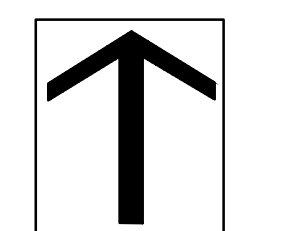
SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. VALVE BOX LIDS SHALL BE PURPLE PER INDUSTRY STANDARDS. THE LIDS SHALL HAVE THE WARNING "RECYCLED: DO NOT DRINK" IN ENGLISH AND SPANISH AND THE INTERNATIONAL "DO NOT DRINK" ON ONE SIDE AND "PELIGRO: AGUA IMPURA-NO BEBER" ON THE OPPOSITE SIDE. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS. ROTOR HEADS MAYBE PAINTED PURPLE WHEN REPLACEMENT CAPS OR COLLARS ARE NOT AVAILABLE. CONTRACTOR TO SUBMIT QUANTITIES, MANUFACTURER AND MODEL NUMBER OF THE HEAD TO EMWD FOR APPROVAL.

POTABLE AND RECYCLED WATER SEPARATION NOTE

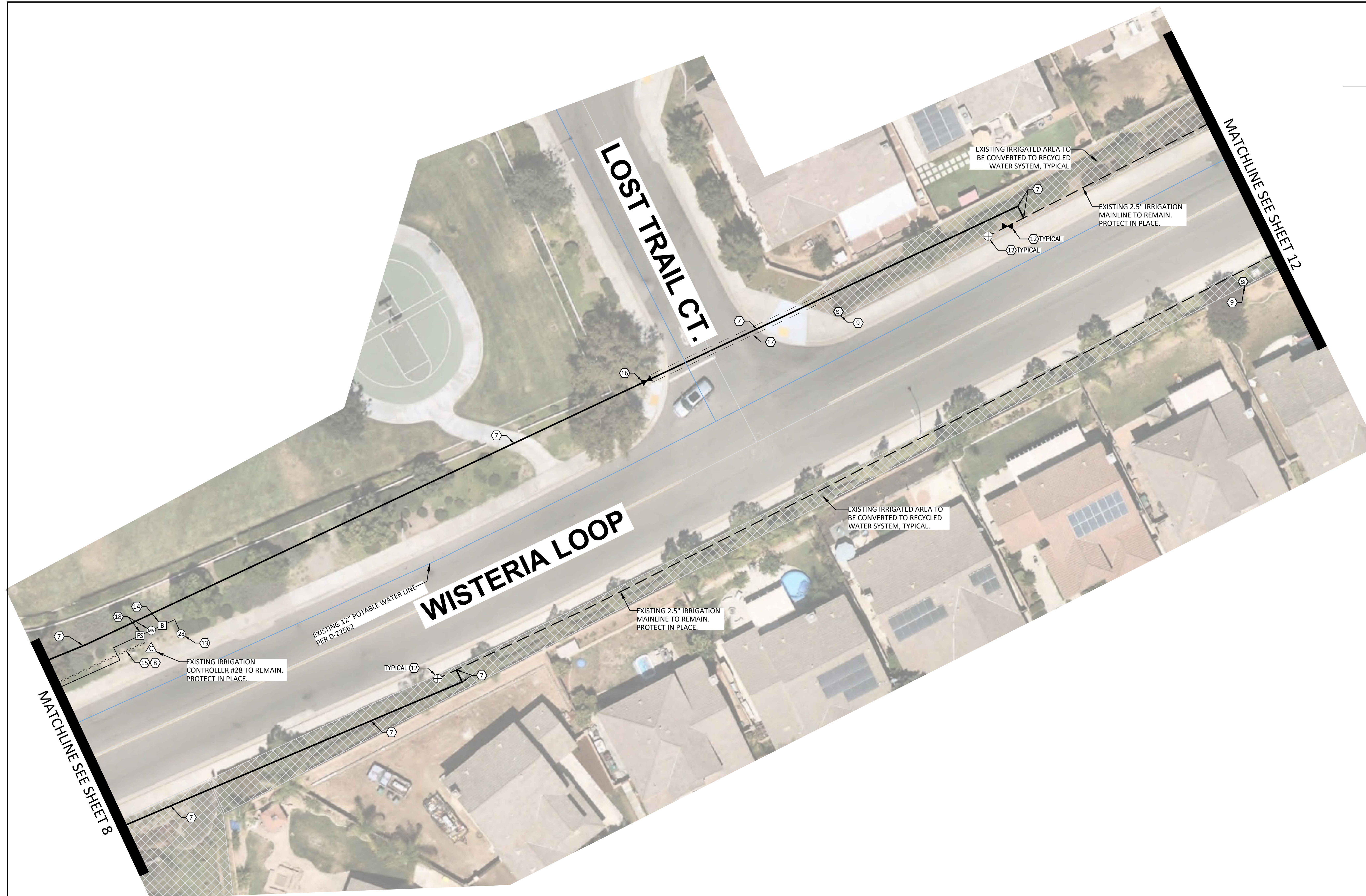
RECYCLED MAINLINE (CONSTANT PRESSURE) SHOWN DIAGRAMMATICALLY FOR CLARITY ONLY. ACTUAL LOCATION MUST PROVIDE A MINIMUM FOUR (4) FEET HORIZONTAL CLEARANCE BETWEEN ALL POTABLE AND CONSTANT PRESSURE RECYCLED WATERLINES. RECYCLED WATER MAINLINE SHOULD BE INSTALLED UNDER POTABLE WATERLINES AND MAINTAIN ONE (1) FOOT OF VERTICAL CLEARANCE. WHERE THE RECYCLED WATER CONSTANT PRESSURE LINE MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A FOUR (4) INCH MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER PRESSURE LINE MUST BE INSTALLED IN A CONTINUOUS PVC CLASS 200 PIPE SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE WATERLINE.

INSTALLATION NOTES

THE MATERIALS AND THE INSTALLATION OF THE IRRIGATION SYSTEM SHOWN ON THIS PLAN SHALL MEET THE LATEST EMWD STANDARDS AND SPECIFICATIONS AT COMMENCEMENT OF WORK. IF CONTRACTOR NOTICES ANY INCONSISTENCIES WITH THE LATEST IRRIGATION DESIGN STANDARDS, ONE SHALL IMMEDIATELY NOTIFY ALL PARTIES. NO HOSE BIBS WILL BE ALLOWED FOR INSTALLATION ON SYSTEMS USING RECYCLED WATER.



<b>DIG ALERT</b>  Call: TOLL FREE 1-800-227-2600 OR 811 TWO FULL WORKING DAYS BEFORE YOU DIG	BENCH MARK DESCRIPTION: _____ LOCATION: _____ VERTICAL DATUM: _____ HORIZONTAL DATUM: _____	ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT		REVISIONS				ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT <i>John Wueth</i> 1/23/23 SENIOR CIVIL ENGINEER DATE			VALLEY-WIDE RECREATION AND PARK DISTRICT WINCHESTER, CA. RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS POC #28 <b>IRRIGATION PLAN</b>		WO: 77451
		DEPARTMENT: _____ ACCEPTANCE: <i>[Signature]</i> DATE: 1-20-23	DATE: _____ DRAWN BY: _____ CHECKED BY: _____	DATE: _____ BY: _____ MARK: _____	DATE: _____ APPR: _____ DATE: _____ EMWD: _____	DEPARTMENT: _____ ACCEPTANCE: <i>[Signature]</i> DATE: 1/23/23	NEW BUSINESS P.C. _____ OPERATIONS _____ ENGINEERING _____ POS ENGINEER _____	RWUJ: _____ RWUP: _____ SHT. 10 OF 23 D-66271					



- ### CONSTRUCTION LEGEND
- | SYMBOL | DESCRIPTION   |
|--------|---|
| ①      | INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.  |
| ②      | PROVIDE AND INSTALL NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL PER DETAIL.  |
| ③      | PROVIDE AND INSTALL YARDNEY STRAINER MCS2-1. SIZE: 2" WITH MAX. FLOW 110 GPM. INSTALL ABOVE GROUND WITH STAINLESS STEEL ENCLOSURE PER MANUFACTURER STANDARD AND DETAIL.   |
| ④      | PROVIDE AND INSTALL BUCKNER SUPERIOR 3300 NORMALLY OPEN MASTER VALVE (SIZE: 2") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.   |
| ⑤      | PROVIDE AND INSTALL CALSENSE FLOW SENSOR FM-2B (SIZE: 2") INSTALL PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.   |
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| ⑧      | PROVIDE AND INSTALL 14GA. VALVE WIRES FOR MASTER VALVE AND P7162D PAIGE CABLE FOR FLOW SENSOR INSIDE A 1.5" PVC SCH-40 CONDUIT. INSTALL PULL BOX AT ANY CHANGE IN DIRECTION. CONNECT TO EXISTING IRRIGATION CONTROLLER. |
| ⑨      | PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.  |
| ⑩      | CUT AND CAP EXISTING IRRIGATION MAINLINE-PROVIDE A MINIMUM OF 4FT. SEPARATION AND REMOVE UNUSED PIPE.   |
| ⑪      | REPLACE EXISTING QUICK COUPLER WITH NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL NEW PURPLE VALVE BOX PER DETAIL.   |
| ⑫      | REPLACE ALL EXISTING IRRIGATION VALVE BOX'S LIDS ONLY WITH PURPLE RECYCLED WATER AND LABEL ACCORDINGLY.   |
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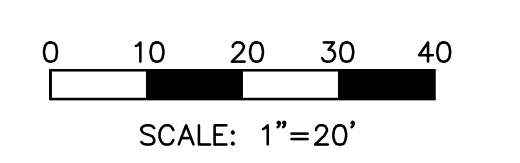
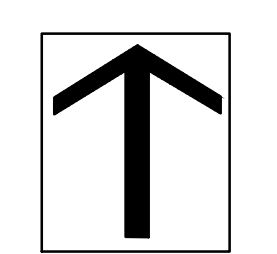
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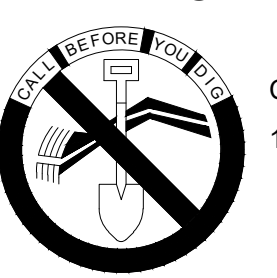
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	NO.	DATE	BY	MARK	DESCRIPTION											
DEPARTMENT: _____ ACCEPTANCE: _____ DATE: _____ DRAWN BY: _____ DATE: _____ BY: _____ MARK: _____ APPR: _____ DATE: _____ CHECKED BY: _____ ENGINEER: _____ DESCRIPTION: _____ EMWD: _____ POS ENGINEER: _____	DEPARTMENT: _____ ACCEPTANCE: _____ DATE: _____ NEW BUSINESS P.C. _____ DATE: <b>1/23/23</b> OPERATIONS _____ DATE: <b>1/23/23</b> ENGINEERING _____ POS ENGINEER _____	DOPP: 14-A-03 14-A-04 14-A-12 COORD. _____ I.D. 98 S.A. 34														



MATCHLINE SEE SHEET 13

MATCHLINE SEE SHEET 11

**CONSTRUCTION LEGEND**

SYMBOL	DESCRIPTION
①	INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.
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⑨	PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.
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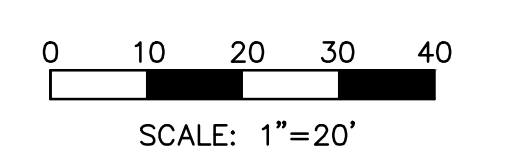
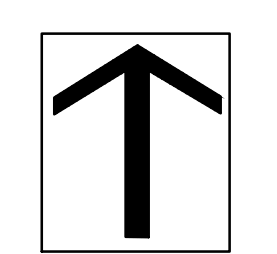
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**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ ENGINEER

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

**IRRIGATION PLAN**

WO: 77451	PCWO:
DOPP: 14-A-03	RWUE:
COORD. 14-A-04	RWUP:
14-A-12	
I.D. 98	SHT. 12 OF 23
S.A. 34	D-66273

MATCHLINE SEE SHEET 12



MATCHLINE SEE SHEET 14

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⑨	PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.
⑩	CUT AND CAP EXISTING IRRIGATION MAINLINE-PROVIDE A MINIMUM OF 4FT. SEPARATION AND REMOVE UNUSED PIPE.
⑪	REPLACE EXISTING QUICK COUPLER WITH NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL NEW PURPLE VALVE BOX PER DETAIL.
⑫	REPLACE ALL EXISTING IRRIGATION VALVE BOX'S LIDS ONLY WITH PURPLE RECYCLED WATER AND LABEL ACCORDINGLY.
⑬	EXISTING DOMESTIC IRRIGATION WATER METER TO BE REMOVED (BY OTHERS)
⑭	EXISTING BACKFLOW PREVENTER TO BE REMOVED. CUT AND CAP EXISTING LINE. REMOVE ALL UNUSED PIPE.
⑮	CONNECT PROPOSE NEW MASTER VALVE AND FLOW SENSOR WIRES TO EXISTING CONTROLLER. ADJUST EXISTING CONTROLLER FOR HIGH-FLOW SHUT-OFF SETTING.
⑯	PROVIDE AND INSTALL NIBCO T-113 GATE VALVE (MAINLINE SIZE). TO BE INSTALLED PER DETAIL.
⑰	INSTALL 6" PVC PURPLE CLASS 200 SLEEVE. SLEEVE MUST BE BURIED MINIMUM OF 36" FROM FINISH GRADE OR PER THE COUNTY STANDARD.
⑱	REMOVE EXISTING MASTER VALVE, FLOW SENSOR AND ISOLATION VALVE. CUT AND CAP MAINLINE.
⑲	PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.
⑳	PROVIDE AND INSTALL ELECTRICAL POWER CONNECTION FROM NEARBY POWER SOURCE TO NEW PROPOSED IRRIGATION BOOSTER PUMP. ELECTRICAL WIRING INSTALLATION TO BE PER COUNTY AND NEC STANDARD CODE.
㉑	PROVIDE AND INSTALL 6" WIDE CONCRETE MOWCURB
㉒	REMOVE EXISTING VALVE AND VALVE BOX.

**IRRIGATION DRAWING NOTE:**

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**COLOR CODING**

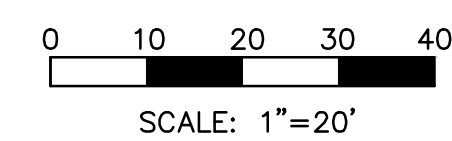
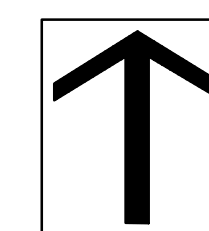
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**POTABLE AND RECYCLED WATER SEPARATION NOTE**

RECYCLED MAINLINE (CONSTANT PRESSURE) SHOWN DIAGRAMMATICALLY FOR CLARITY ONLY. ACTUAL LOCATION MUST PROVIDE A MINIMUM FOUR (4) FEET HORIZONTAL CLEARANCE BETWEEN ALL POTABLE AND CONSTANT PRESSURE RECYCLED WATERLINES. RECYCLED WATER MAINLINE SHOULD BE INSTALLED UNDER POTABLE WATERLINES AND MAINTAIN ONE (1) FOOT OF VERTICAL CLEARANCE. WHERE THE RECYCLED WATER CONSTANT PRESSURE LINE MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A FOUR (4) INCH MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER PRESSURE LINE MUST BE INSTALLED IN A CONTINUOUS PVC CLASS 200 PIPE SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE WATERLINE.

**INSTALLATION NOTES**

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NO HOSE BIBS WILL BE ALLOWED FOR INSTALLATION ON SYSTEMS USING RECYCLED WATER.



**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

**REVISIONS**

DATE	BY	MARK	DESCRIPTION

DRAWN BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>Seru Aman</i>	1/23/23
OPERATIONS	<i>David Wueth</i>	1/23/23

ENGINEERING

POS ENGINEER

VALLEY-WIDE RECREATION AND PARK DISTRICT

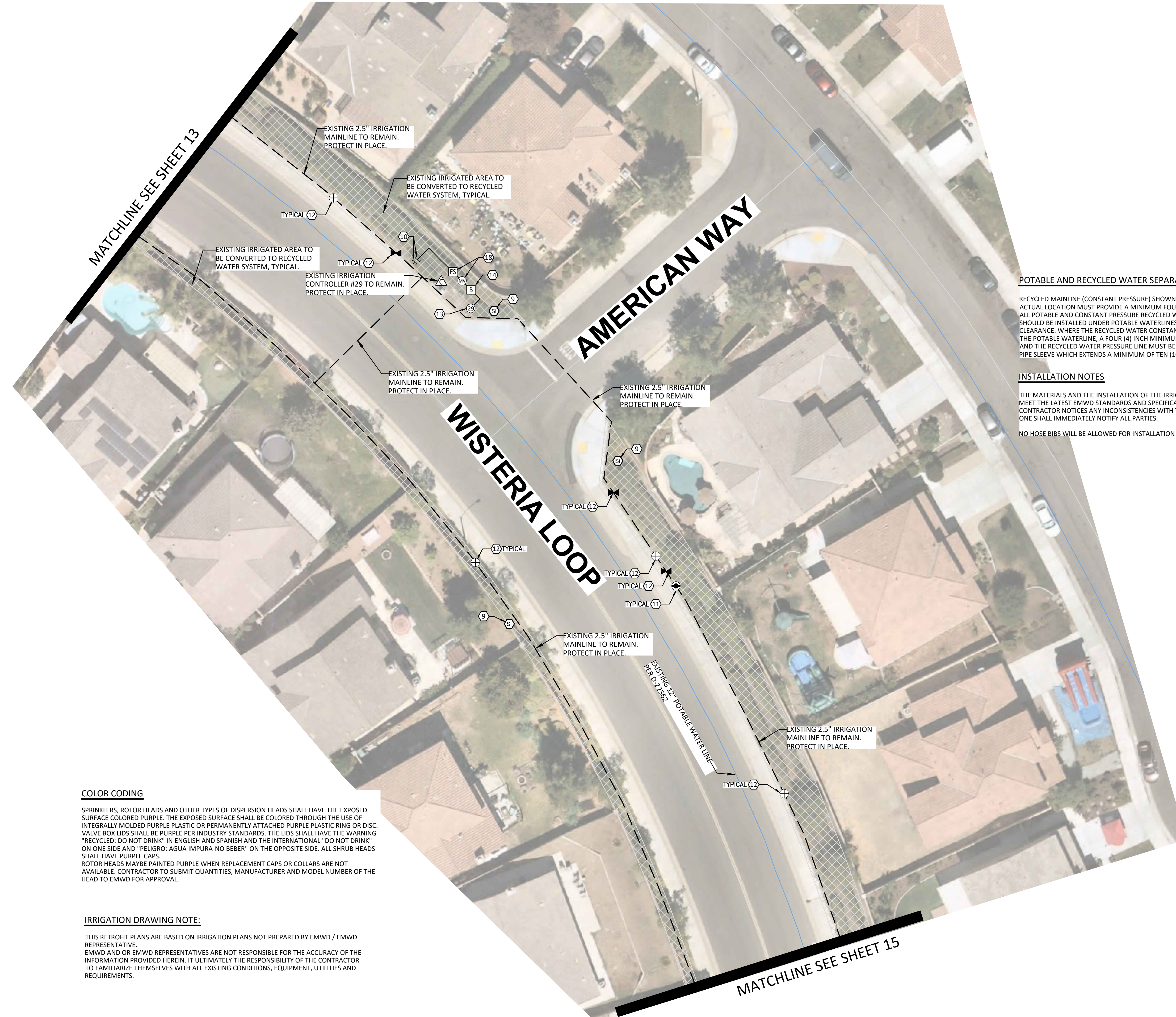
WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

**IRRIGATION PLAN**

WO: 77451	PCWO: _____
DOPP: _____	RWUE: _____
COORD. 14-A-03 14-A-04 14-A-12	RWUP: _____
I.D. 98	SHT. 13 OF 23
S.A. 34	D-66274



**CONSTRUCTION LEGEND**

- | SYMBOL | DESCRIPTION   |
|--------|---|
| ①      | INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.  |
| ②      | PROVIDE AND INSTALL NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL PER DETAIL.  |
| ③      | PROVIDE AND INSTALL YARDNEY STRAINER MCS2-1. SIZE: 2" WITH MAX. FLOW 110 GPM. INSTALL ABOVE GROUND WITH STAINLESS STEEL ENCLOSURE PER MANUFACTURER STANDARD AND DETAIL.   |
| ④      | PROVIDE AND INSTALL BUCKNER SUPERIOR 3300 NORMALLY OPEN MASTER VALVE (SIZE: 2") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.   |
| ⑤      | PROVIDE AND INSTALL CAISENSE FLOW SENSOR FM-2B (SIZE: 2"). INSTALL PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.  |
| ⑥      | PROVIDE AND INSTALL 1" BALL VALVE INSIDE ROUND PURPLE VALVE BOX.  |
| ⑦      | PROVIDE AND INSTALL 3" CLASS 315 PVC PURPLE RECYCLED WATER IRRIGATION MAINLINE (24" DEEP MIN.) AND CONNECT TO EXISTING IRRIGATION POC AS SHOWN ON PLAN.   |
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| ⑯      | PROVIDE AND INSTALL NIBCO T-113 GATE VALVE (MAINLINE SIZE). TO BE INSTALLED PER DETAIL.   |
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| ⑲      | PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.   |
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**POTABLE AND RECYCLED WATER SEPARATION NOTE**

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**INSTALLATION NOTES**

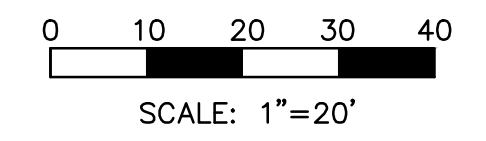
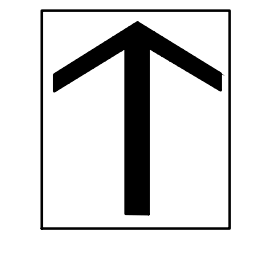
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**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

**IRRIGATION PLAN**

WO: 77451

PCWO: \_\_\_\_\_

DOPP: 14-A-03  
14-A-04  
14-A-12

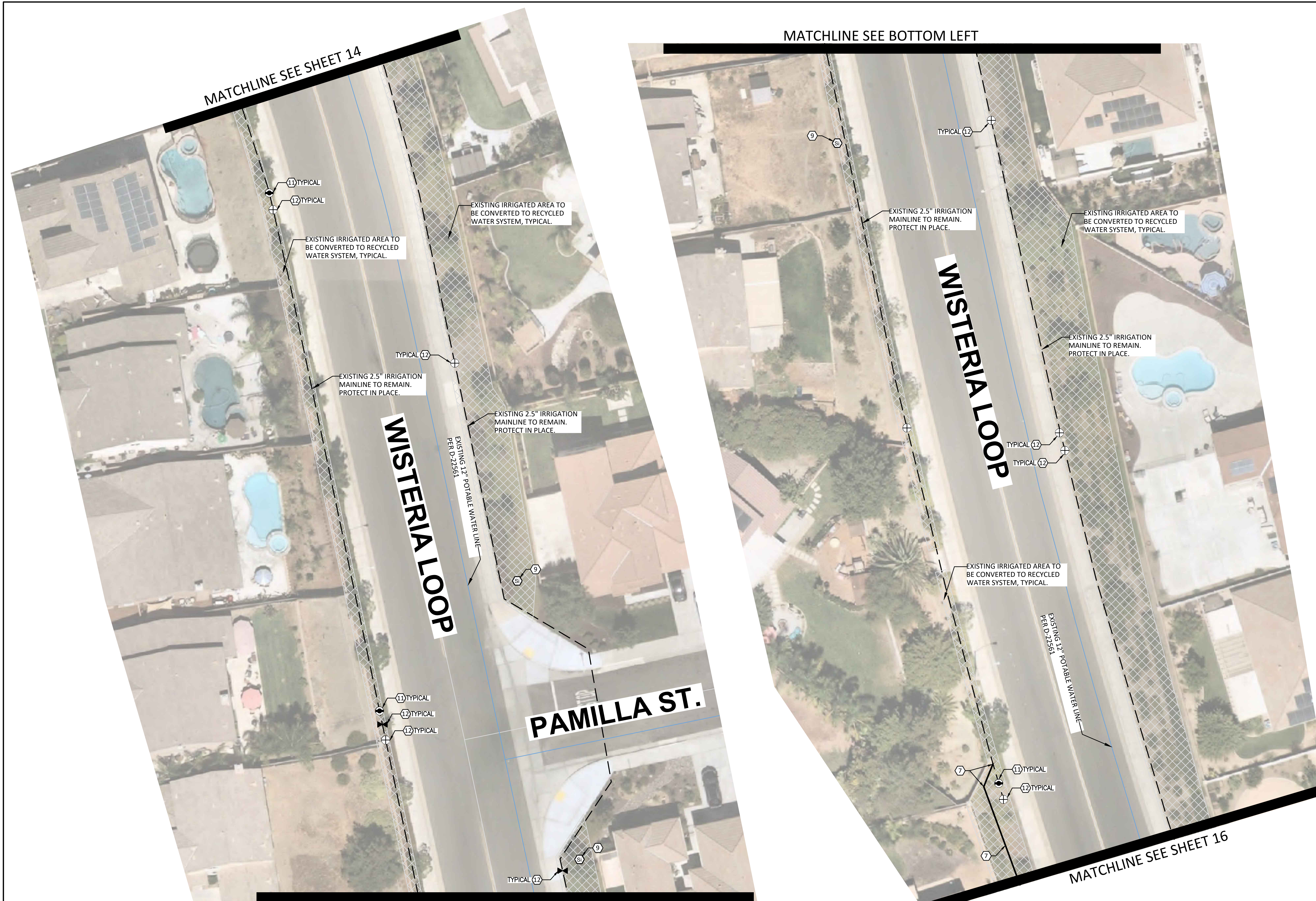
COORD. RWUP: \_\_\_\_\_

I.D. 98 SHT. 14 OF 23

S.A. 34 D-66275

MATCHLINE SEE BOTTOM LEFT

MATCHLINE SEE SHEET 14



CONSTRUCTION LEGEND

- | SYMBOL | DESCRIPTION   |
|--------|---|
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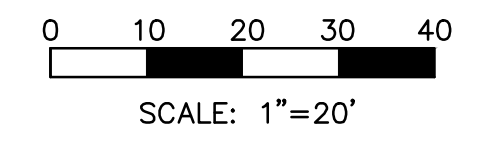
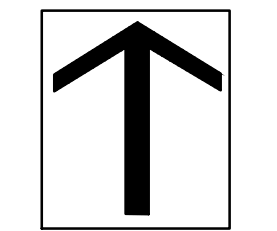
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MATCHLINE SEE TOP RIGHT

COLOR CODING

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TWO FULL WORKING DAYS BEFORE YOU DIG

ACCEPTED BY:

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT: \_\_\_\_\_ ACCEPTANCE: \_\_\_\_\_ DATE: 1-20-23

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

DATE	BY	MARK	DESCRIPTION

ACCEPTED BY:

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT: \_\_\_\_\_ ACCEPTANCE: \_\_\_\_\_ DATE: 1/23/23

NEW BUSINESS P.C. \_\_\_\_\_

OPERATIONS \_\_\_\_\_

ENGINEERING \_\_\_\_\_

POS ENGINEER \_\_\_\_\_

ACCEPTED BY:

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

**IRRIGATION PLAN**

WO: 77451

PCWO: \_\_\_\_\_

DOPP: 14-A-03  
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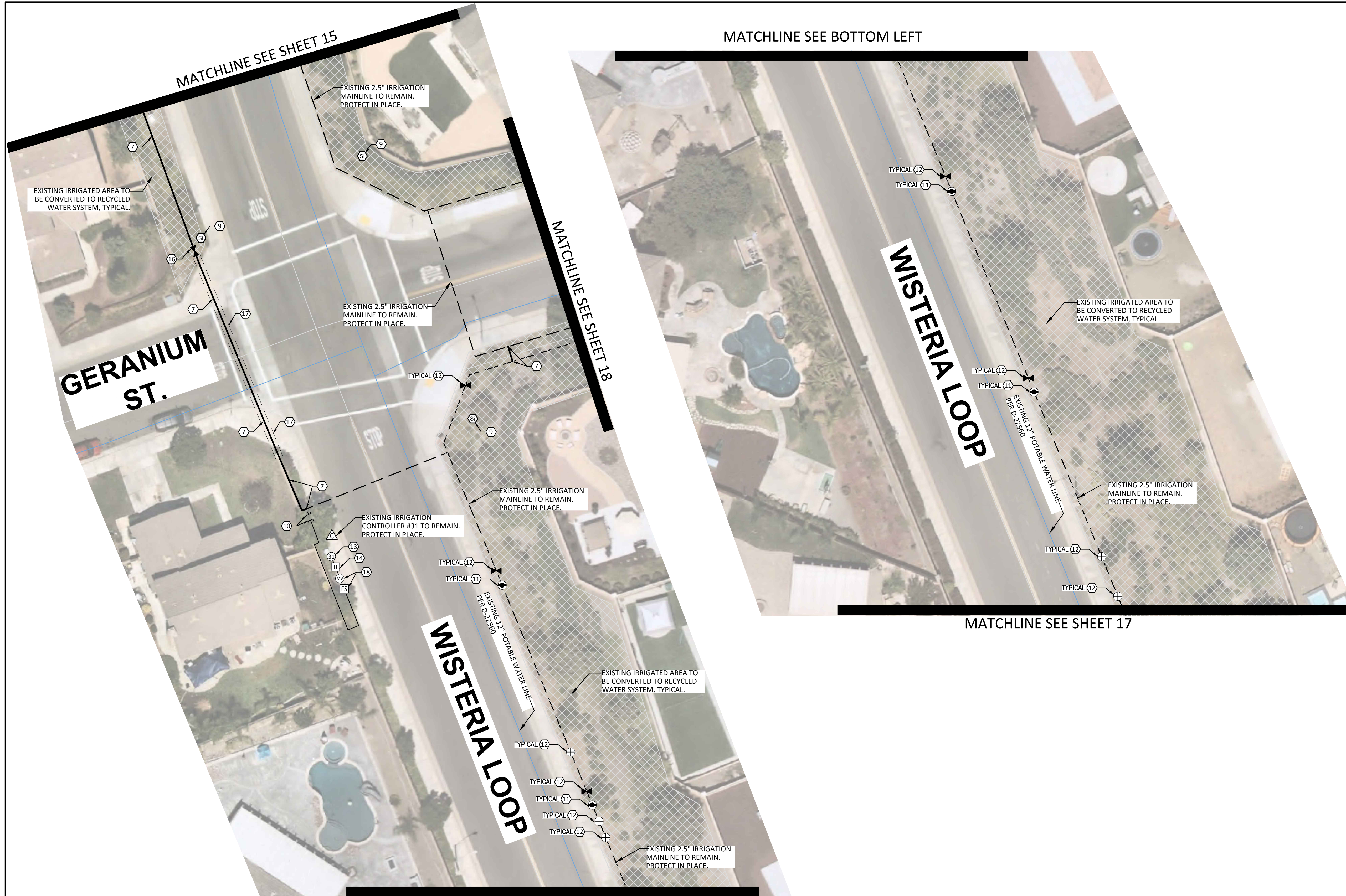
COORD. \_\_\_\_\_ RWUP: \_\_\_\_\_

I.D. 98 SHT. 15 OF 23

S.A. 34 D-66276



MATCHLINE SEE BOTTOM LEFT



CONSTRUCTION LEGEND

- | SYMBOL | DESCRIPTION   |
|--------|---|
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| ⑬      | EXISTING DOMESTIC IRRIGATION WATER METER TO BE REMOVED (BY OTHERS)  |
| ⑭      | EXISTING BACKFLOW PREVENTER TO BE REMOVED. CUT AND CAP EXISTING LINE. REMOVE ALL UNUSED PIPE.   |
| ⑮      | CONNECT PROPOSE NEW MASTER VALVE AND FLOW SENSOR WIRES TO EXISTING CONTROLLER. ADJUST EXISTING CONTROLLER FOR HIGH-FLOW SHUT-OFF SETTING.   |
| ⑯      | PROVIDE AND INSTALL NIBCO T-113 GATE VALVE (MAINLINE SIZE). TO BE INSTALLED PER DETAIL.   |
| ⑰      | INSTALL 6" PVC PURPLE CLASS 200 SLEEVE. SLEEVE MUST BE BURIED MINIMUM OF 36" FROM FINISH GRADE OR PER THE COUNTY STANDARD.  |
| ⑱      | REMOVE EXISTING MASTER VALVE, FLOW SENSOR AND ISOLATION VALVE. CUT AND CAP MAINLINE.  |
| ⑲      | PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.   |
| ⑳      | PROVIDE AND INSTALL ELECTRICAL POWER CONNECTION FROM NEARBY POWER SOURCE TO NEW PROPOSED IRRIGATION BOOSTER PUMP. ELECTRICAL WIRING INSTALLATION TO BE PER COUNTY AND NEC STANDARD CODE.                                |
| ㉑      | PROVIDE AND INSTALL 6" WIDE CONCRETE MOWCURB  |
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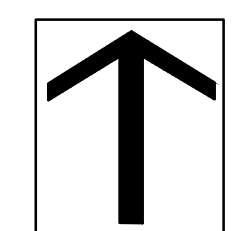
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POTABLE AND RECYCLED WATER SEPARATION NOTE

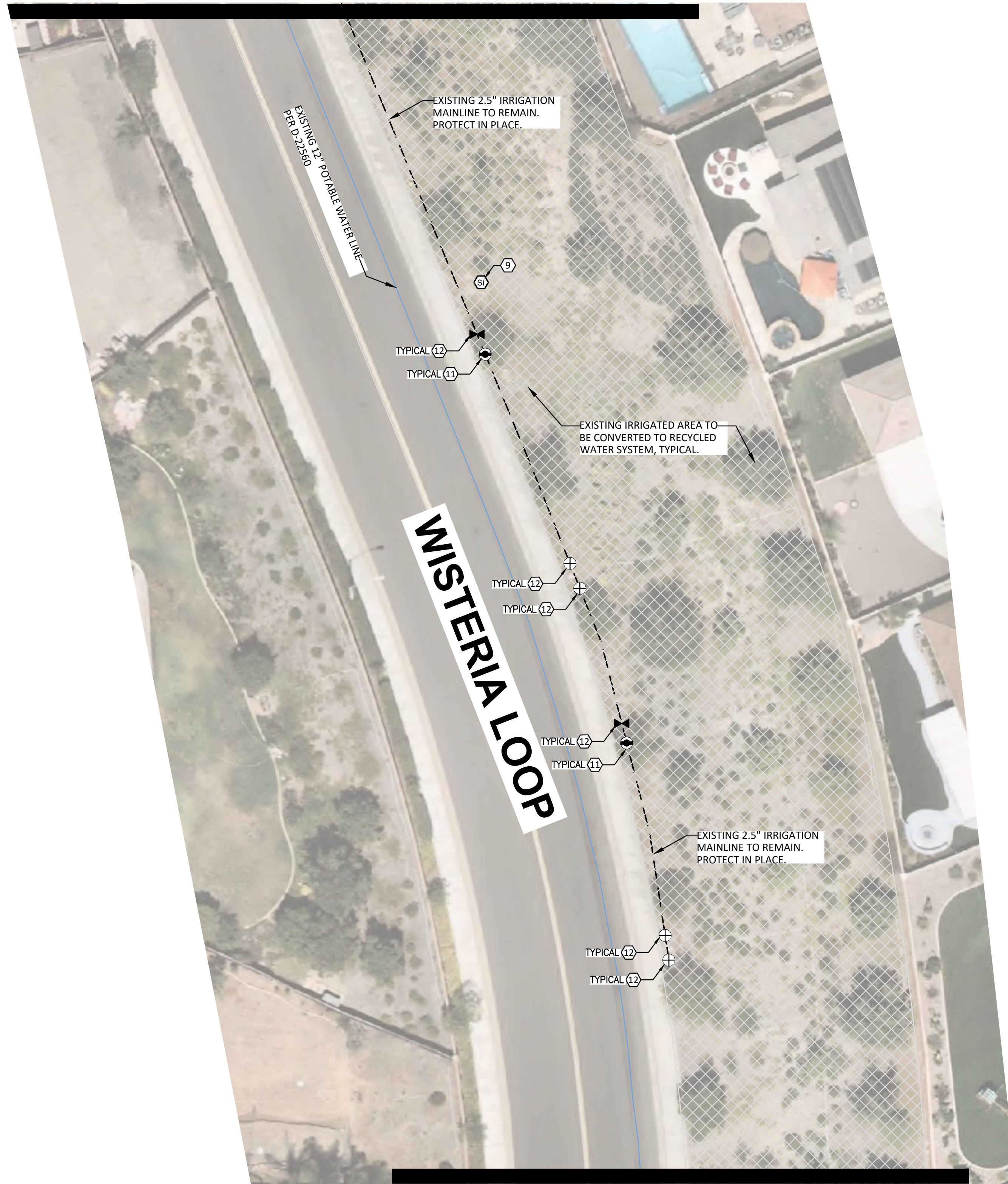
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0 10 20 30 40  
SCALE: 1"=20'

<b>DIG ALERT</b>  Call: TOLL FREE 1-800-227-2600 OR 811 TWO FULL WORKING DAYS BEFORE YOU DIG	BENCH MARK DESCRIPTION: LOCATION: VERTICAL DATUM: HORIZONTAL DATUM:	ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT	REVISIONS				ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT John Wueth 1/23/23 SENIOR CIVIL ENGINEER DATE	VALLEY-WIDE RECREATION AND PARK DISTRICT WINCHESTER, CA. RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS POC #28 IRRIGATION PLAN		WO: 77451 PCWO:
		DEPARTMENT: _____ ACCEPTANCE: _____ DATE: 1-20-23	DATE: _____ BY: _____ MARK: _____ DRAWN BY: _____ ENGINEER CHECKED BY: _____ ENGINEER	DEPARTMENT: _____ ACCEPTANCE: _____ DATE: 1/23/23 NEW BUSINESS P.C. _____ OPERATIONS _____ ENGINEERING _____ POS ENGINEER _____	DOPP: 14-A-03 COORD. 14-A-04 14-A-12 RWUP: _____ I.D. 98 SHT. 16 OF 23 S.A. 34 D-66277					

MATCHLINE SEE SHEET 16



MATCHLINE SEE TOP RIGHT

MATCHLINE SEE BOTTOM LEFT



CONSTRUCTION LEGEND

- | SYMBOL | DESCRIPTION   |
|--------|---|
| ①      | INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.  |
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| ④      | PROVIDE AND INSTALL BUCKNER SUPERIOR 3300 NORMALLY OPEN MASTER VALVE (SIZE: 2") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.   |
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| ⑦      | PROVIDE AND INSTALL 3" CLASS 315 PVC PURPLE RECYCLED WATER IRRIGATION MAINLINE (24" DEEP MIN.) AND CONNECT TO EXISTING IRRIGATION POC AS SHOWN ON PLAN.   |
| ⑧      | PROVIDE AND INSTALL 14GA. VALVE WIRES FOR MASTER VALVE AND P7162D PAIGE CABLE FOR FLOW SENSOR INSIDE A 1.5" PVC SCH-40 CONDUIT. INSTALL PULL BOX AT ANY CHANGE IN DIRECTION. CONNECT TO EXISTING IRRIGATION CONTROLLER. |
| ⑨      | PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.  |
| ⑩      | CUT AND CAP EXISTING IRRIGATION MAINLINE-PROVIDE A MINIMUM OF 4FT. SEPARATION AND REMOVE UNUSED PIPE.   |
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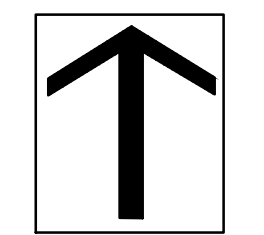
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0 10 20 30 40  
SCALE: 1"=20'

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Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK  
DESCRIPTION: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
VERTICAL DATUM: \_\_\_\_\_  
HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:  
VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

REVISIONS

DATE	BY	MARK	DESCRIPTION

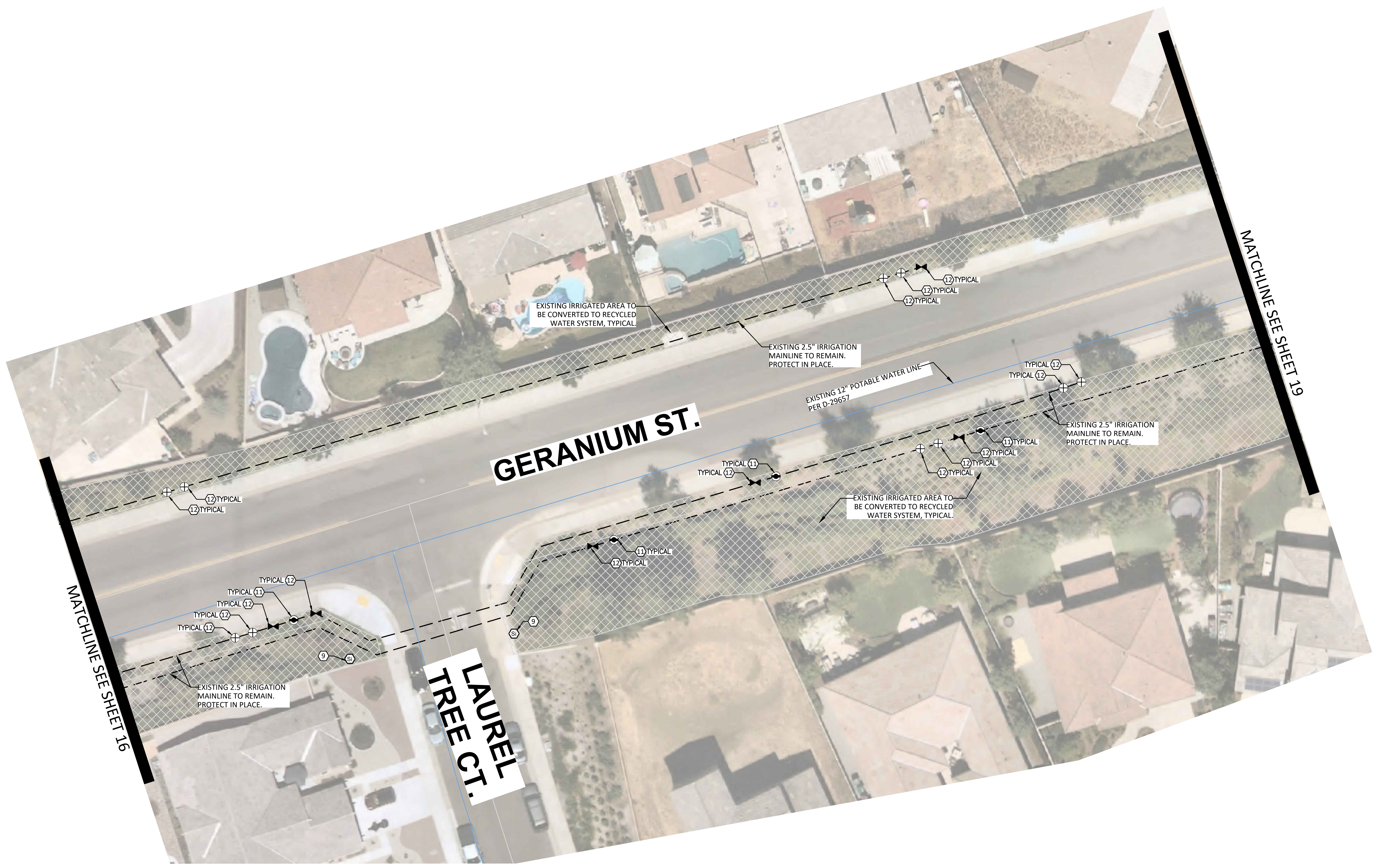
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

ACCEPTED BY:  
EASTERN MUNICIPAL WATER DISTRICT  
*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
RECYCLED WATER IRRIGATION RETROFIT  
IMPROVEMENTS  
POC #28  
**IRRIGATION PLAN**

WO: 77451	PCWO: _____
DOPP: _____	RWUE: _____
COORD. 14-A-03 14-A-04 14-A-12	RWUP: _____
I.D. 98	SHT. 17 OF 23
S.A. 34	D-66278



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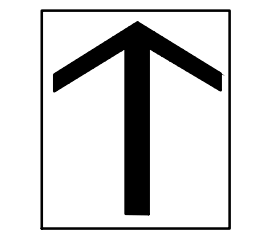
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**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

**REVISIONS**

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

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ENGINEERING		
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VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

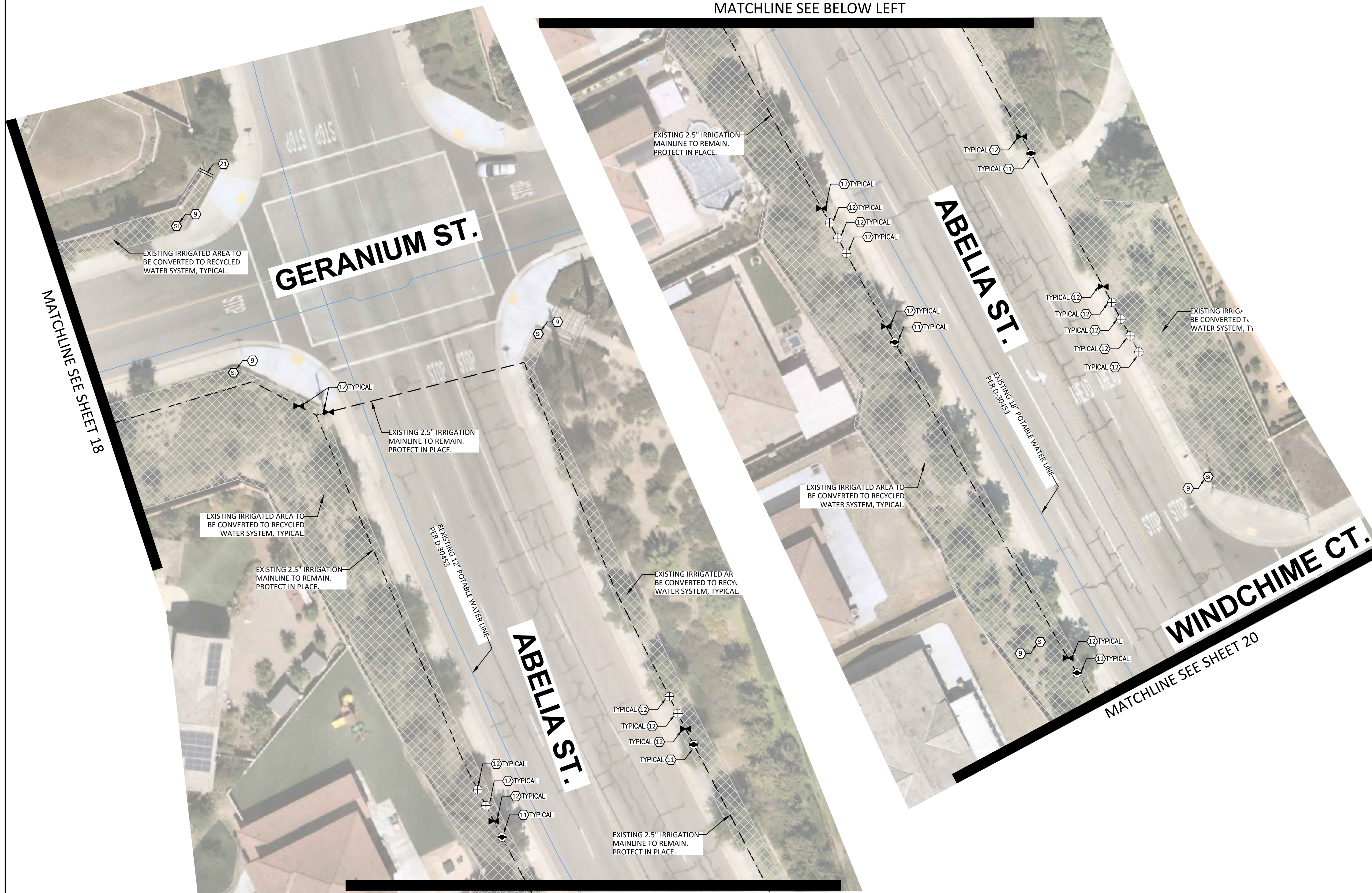
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

**IRRIGATION PLAN**

WO: 77451	PCWO: _____
DOPP: _____	RWUE: _____
COORD. 14-A-03 14-A-04 14-A-12	RWUP: _____
I.D. 98	SHT. 18 OF 23
S.A. 34	D-66279

MATCHLINE SEE BELOW LEFT



CONSTRUCTION LEGEND

SYMBOL	DESCRIPTION
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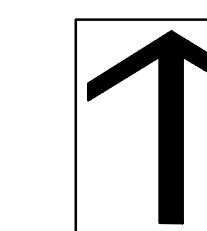
NO HOSE BIBS WILL BE ALLOWED FOR INSTALLATION ON SYSTEMS USING RECYCLED WATER.

COLOR CODING

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POTABLE AND RECYCLED WATER SEPARATION NOTE

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0 10 20 30 40  
SCALE: 1"=20'

**DIG ALERT**  
Call: TOLL FREE 1-800-227-2600 OR 811  
TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
VERTICAL DATUM: \_\_\_\_\_  
HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT  
*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
POC #28  
IRRIGATION PLAN

WO: 77451	PCWO:
DOPP: 14-A-03	RWUJ:
COORD: 14-A-04	RWUP:
14-A-12	
I.D. 98	SHT. 19 OF 23
S.A. 34	D-66280



**CONSTRUCTION LEGEND**

- | SYMBOL | DESCRIPTION   |
|--------|---|
| ①      | INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.  |
| ②      | PROVIDE AND INSTALL NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL PER DETAIL.  |
| ③      | PROVIDE AND INSTALL YARDNEY STRAINER MCS2-1. SIZE: 2" WITH MAX. FLOW 110 GPM. INSTALL ABOVE GROUND WITH STAINLESS STEEL ENCLOSURE PER MANUFACTURER STANDARD AND DETAIL.   |
| ④      | PROVIDE AND INSTALL BUCKNER SUPERIOR 3300 NORMALLY OPEN MASTER VALVE (SIZE: 2") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.   |
| ⑤      | PROVIDE AND INSTALL CALSENSE FLOW SENSOR FM-2B (SIZE: 2"). INSTALL PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.  |
| ⑥      | PROVIDE AND INSTALL 1" BALL VALVE INSIDE ROUND PURPLE VALVE BOX.  |
| ⑦      | PROVIDE AND INSTALL 3" CLASS 315 PVC PURPLE RECYCLED WATER IRRIGATION MAINLINE (24" DEEP MIN.) AND CONNECT TO EXISTING IRRIGATION POC AS SHOWN ON PLAN.   |
| ⑧      | PROVIDE AND INSTALL 14GA. VALVE WIRES FOR MASTER VALVE AND P7162D PAIGE CABLE FOR FLOW SENSOR INSIDE A 1.5" PVC SCH-40 CONDUIT. INSTALL PULL BOX AT ANY CHANGE IN DIRECTION. CONNECT TO EXISTING IRRIGATION CONTROLLER. |
| ⑨      | PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.  |
| ⑩      | CUT AND CAP EXISTING IRRIGATION MAINLINE-PROVIDE A MINIMUM OF 4FT. SEPARATION AND REMOVE UNUSED PIPE.   |
| ⑪      | REPLACE EXISTING QUICK COUPLER WITH NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL NEW PURPLE VALVE BOX PER DETAIL.   |
| ⑫      | REPLACE ALL EXISTING IRRIGATION VALVE BOX'S LIDS ONLY WITH PURPLE RECYCLED WATER AND LABEL ACCORDINGLY.   |
| ⑬      | EXISTING DOMESTIC IRRIGATION WATER METER TO BE REMOVED (BY OTHERS)  |
| ⑭      | EXISTING BACKFLOW PREVENTER TO BE REMOVED. CUT AND CAP EXISTING LINE. REMOVE ALL UNUSED PIPE.   |
| ⑮      | CONNECT PROPOSE NEW MASTER VALVE AND FLOW SENSOR WIRES TO EXISTING CONTROLLER. ADJUST EXISTING CONTROLLER FOR HIGH-FLOW SHUT-OFF SETTING.   |
| ⑯      | PROVIDE AND INSTALL NIBCO T-113 GATE VALVE (MAINLINE SIZE). TO BE INSTALLED PER DETAIL.   |
| ⑰      | INSTALL 6" PVC PURPLE CLASS 200 SLEEVE. SLEEVE MUST BE BURIED MINIMUM OF 36" FROM FINISH GRADE OR PER THE COUNTY STANDARD.  |
| ⑱      | REMOVE EXISTING MASTER VALVE, FLOW SENSOR AND ISOLATION VALVE. CUT AND CAP MAINLINE.  |
| ⑲      | PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.   |
| ⑳      | PROVIDE AND INSTALL ELECTRICAL POWER CONNECTION FROM NEARBY POWER SOURCE TO NEW PROPOSED IRRIGATION BOOSTER PUMP. ELECTRICAL WIRING INSTALLATION TO BE PER COUNTY AND NEC STANDARD CODE.                                |
| ㉑      | PROVIDE AND INSTALL 6" WIDE CONCRETE MOWCURB  |
| ㉒      | REMOVE EXISTING VALVE AND VALVE BOX.  |

**IRRIGATION DRAWING NOTE:**

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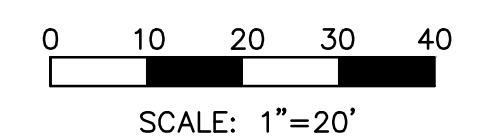
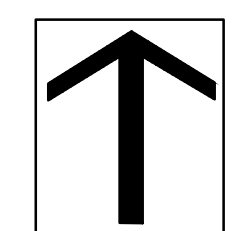
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TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

**REVISIONS**

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT

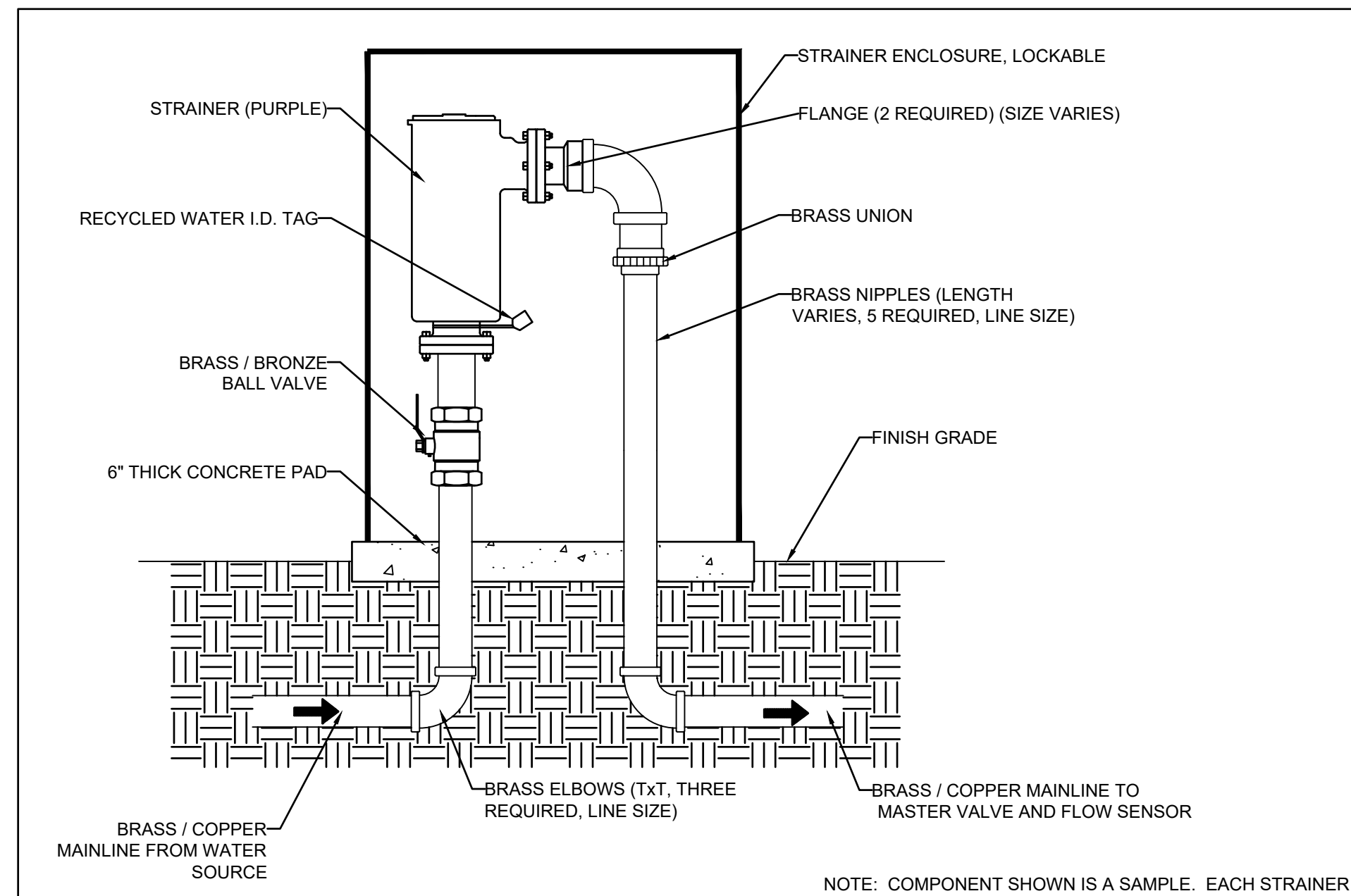
WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

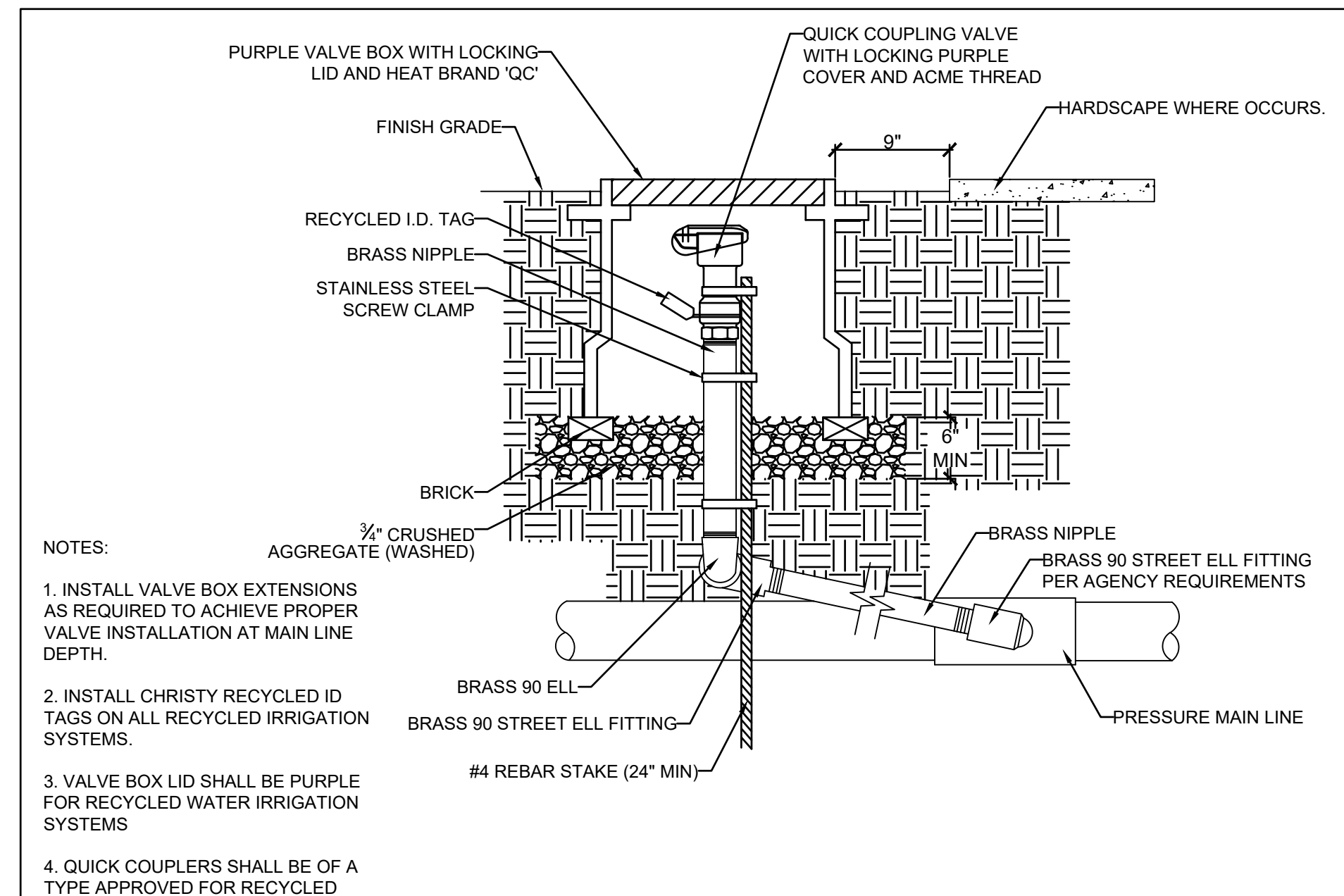
POC #28

**IRRIGATION PLAN**

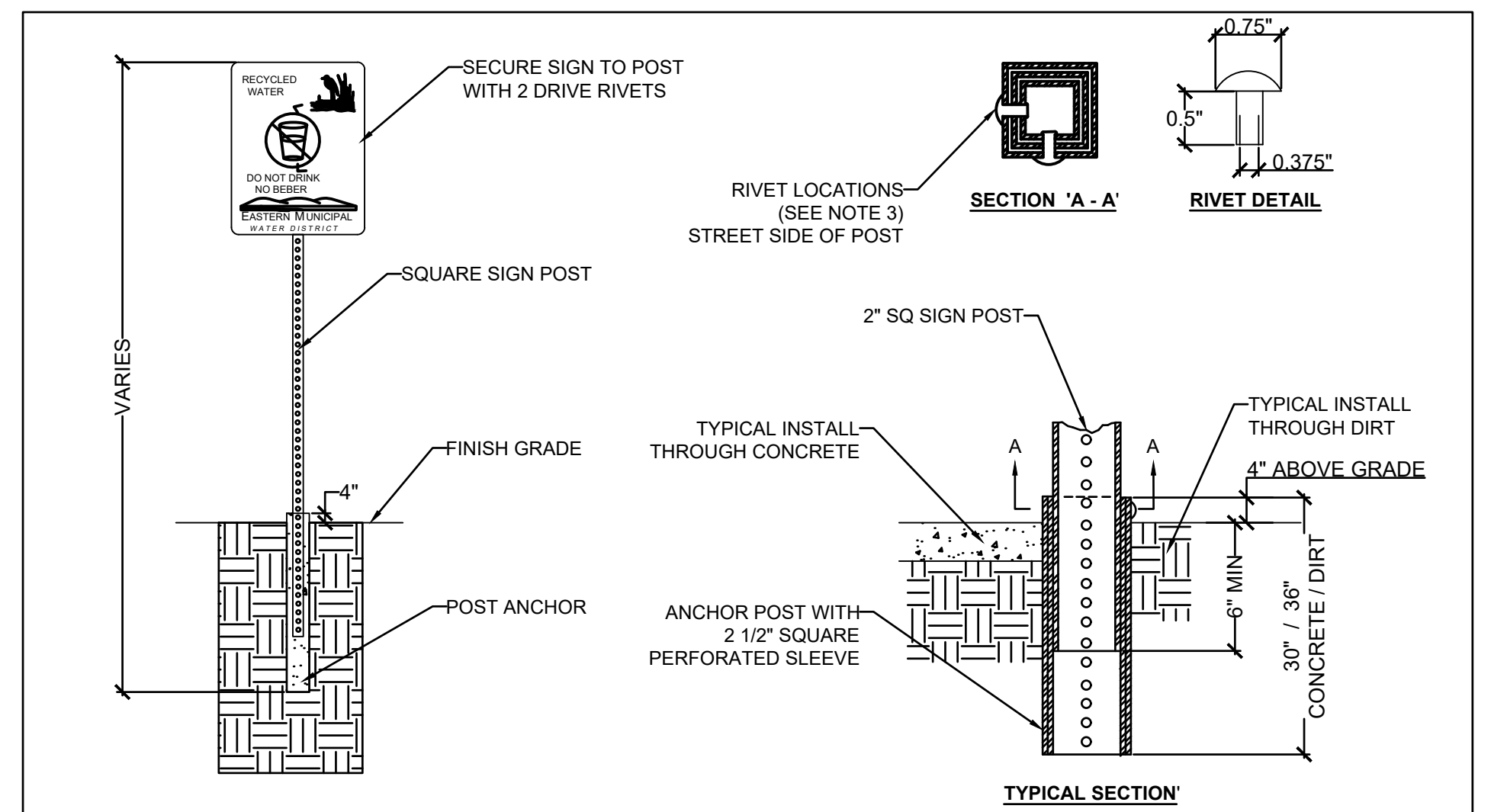
WO: 77451	PCWO: _____
DOPP: _____	RWUE: _____
COORD. 14-A-03 14-A-04 14-A-12	RWUP: _____
I.D. 98	SHT. 20 OF 23
S.A. 34	D-66281



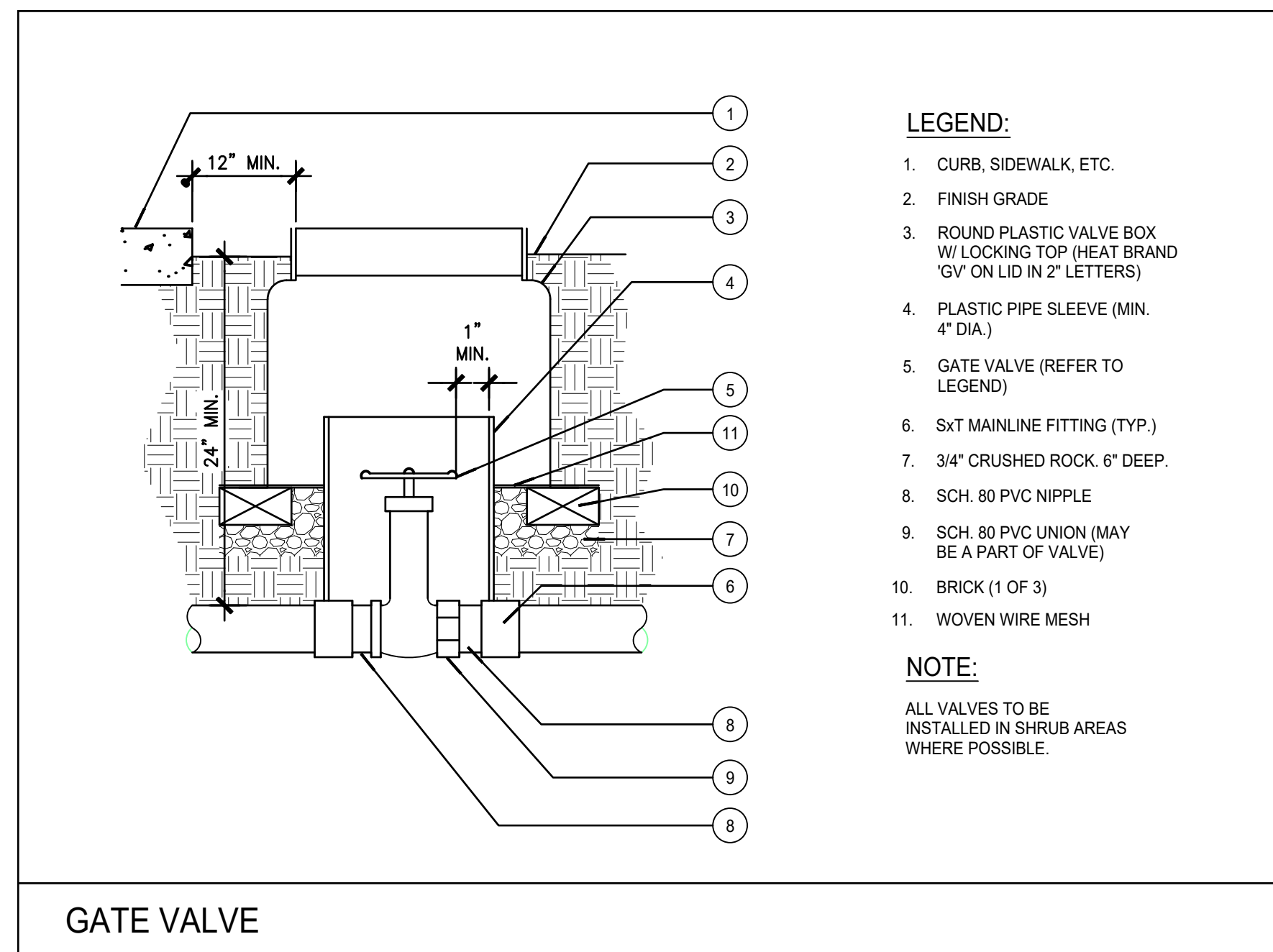
REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						STRAINER	A-005
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	



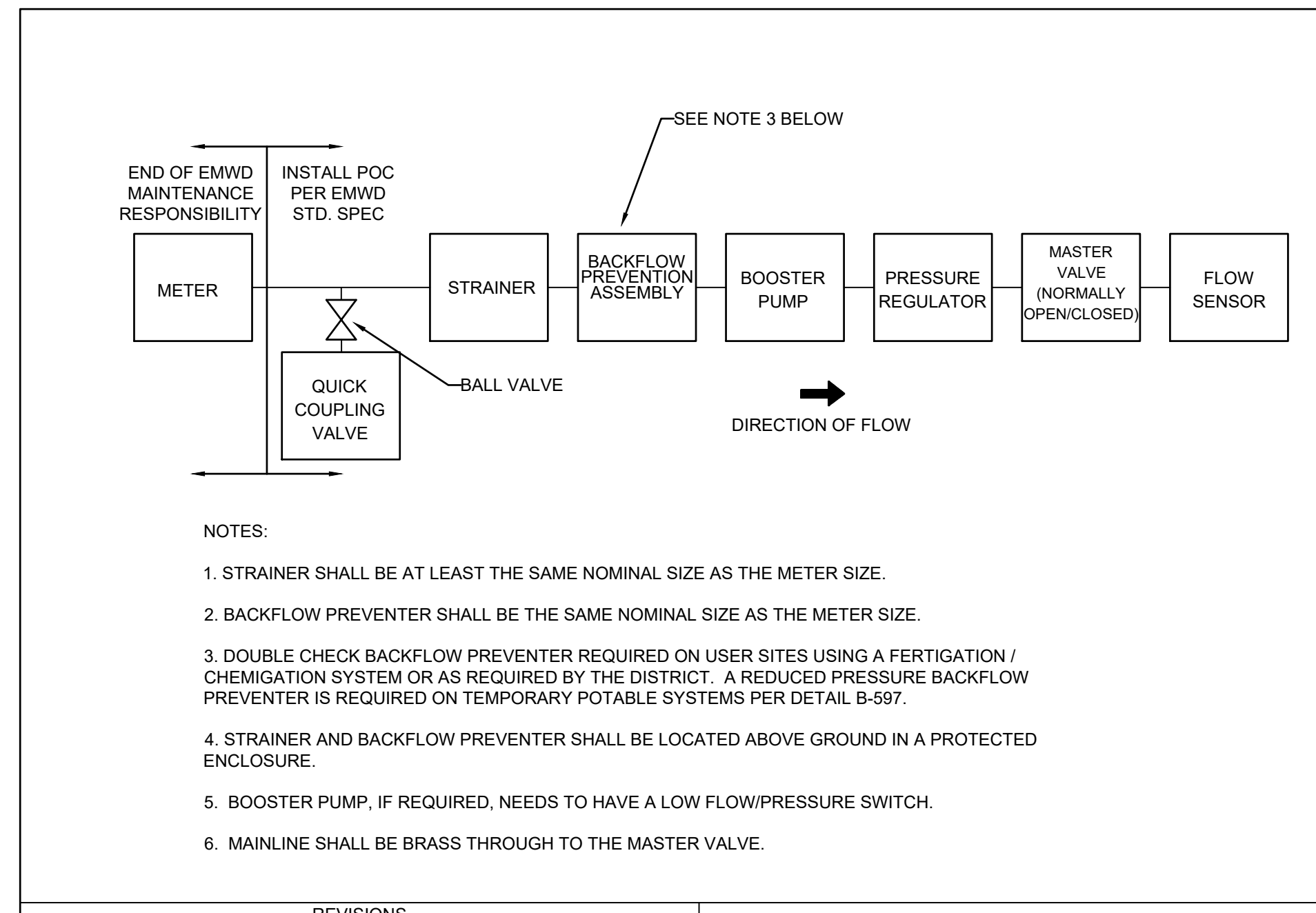
REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						QUICK COUPLING VALVE	A-007
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	



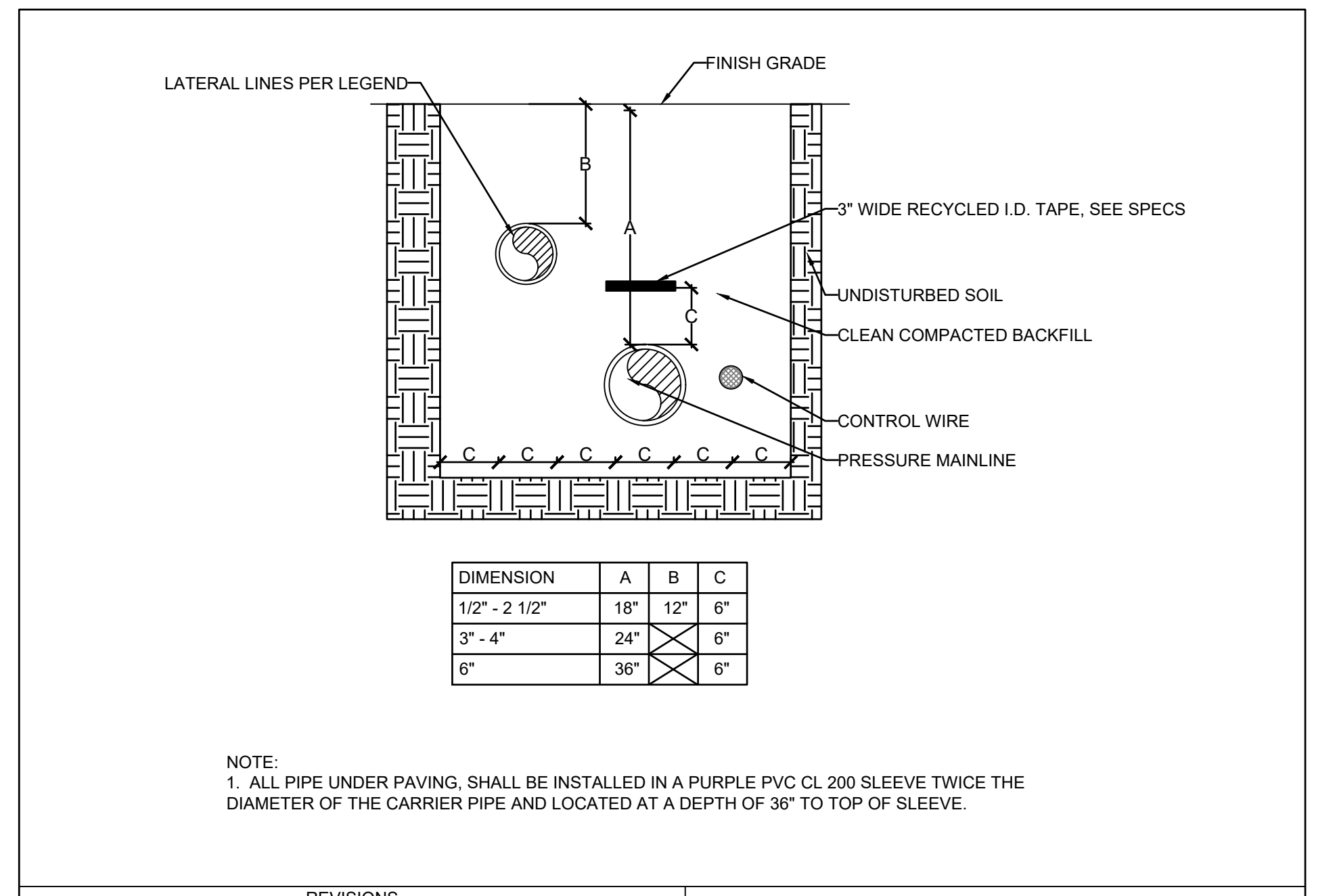
REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						RECYCLED WATER IRRIGATION ADVISORY SIGN	A-008
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	



REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						RECYCLED WATER POC SEQUENCE	A-002
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	



REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						PIPE TRENCH	A-004
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	



REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						PIPE TRENCH	A-004
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	

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ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

DATE: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_ MARK: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ ENGINEER DESCRIPTION

REVISIONS					
DATE	BY	MARK	DESCRIPTION	APPR.	DATE

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23

DATE: \_\_\_\_\_

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VALLEY-WIDE RECREATION AND PARK DISTRICT

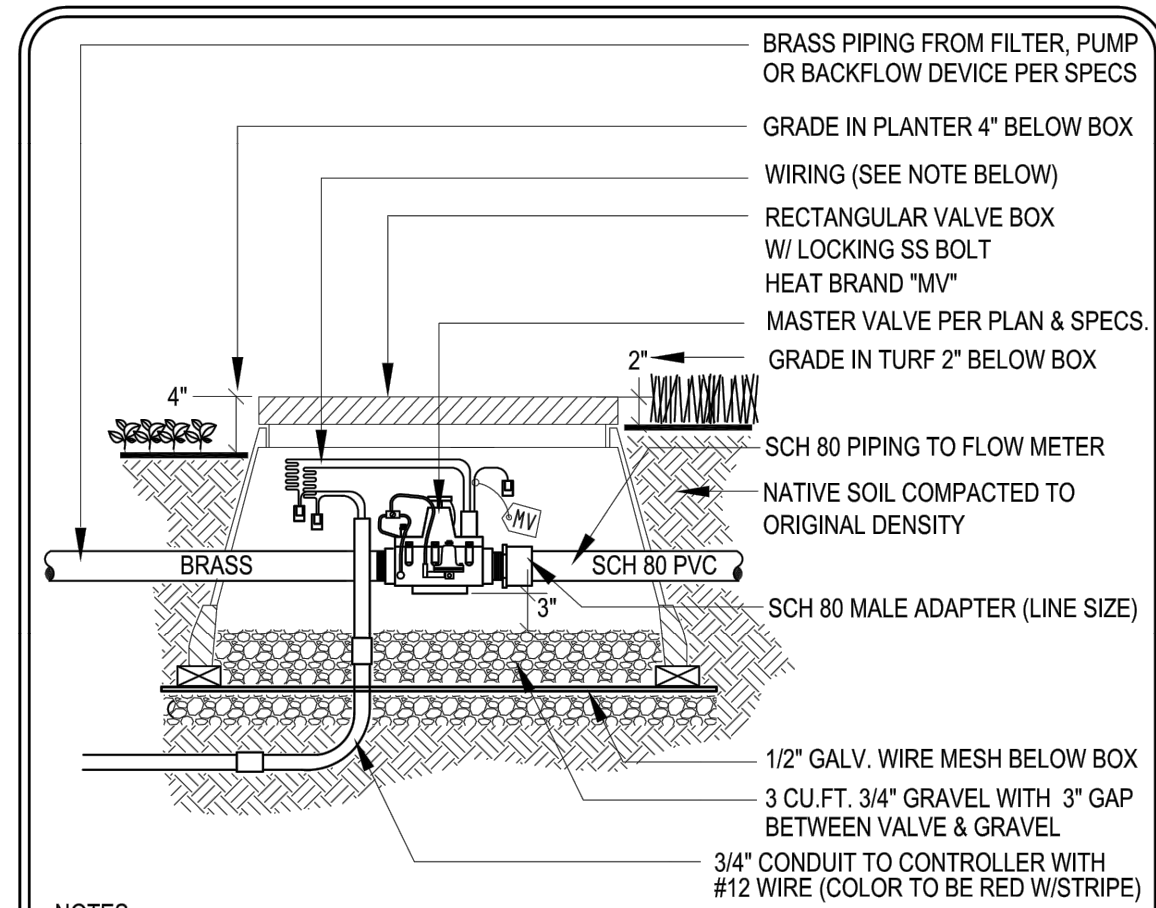
WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

IRRIGATION DETAILS

WO: 77451
PCWO: _____
RWUJ: _____
DOPP: 14-A-03
COORD: 14-A-04
14-A-12
RWUP: _____
I.D. 98
SHT. 21 OF 23
S.A. 34
D-66282



- NOTES:
1. ALL WIRING SHALL BE APPROVED BY THE DISTRICT PRIOR TO BACKFILL
  2. PROVIDE 24" LONG EXPANSION COILS AT EACH WIRE CONNECTION
  3. PROVIDE 4 EA. CONCRETE BRICKS UNDER VALVE BOX (TYP.)
  4. USE IRON DUCTILE FITTINGS FOR 4" & LARGER MAINLINE
  5. PROVIDE SEPARATE MASTER VALVE AND FLOW METER WHEN AN ADDITIONAL CONTROLLER IS SPECIFIED OR USE SINGLE MASTER VALVE AND FLOW METER WHEN THE "FL" OPTION IS USED FOR MULTIPLE CONTROLLERS AS APPROVED BY THE DISTRICT AND CALSENSE
  6. NEVER CONNECT SINGLE MASTER VALVES AND FLOW METERS TO BOTH CONTROLLERS
  7. PROVIDE BRASS PIPING IN LIEU OF SCH 80 PVC WHEN BRASS FLOW METER IS SPECIFIED
  8. SEAL WIRE CONNECTORS AND CONDUIT OPENING WITH HARDENING SEALANT PER SPECS.
  9. FLOW METERS 3" AND LARGER SHALL BE FLANGED. PROVIDE SPOOLS AND ADAPTERS AS REQ'D.
  10. MASTER VALVE SHALL BE STAINLESS STEEL W/PRESSURE REDUCING AND SURGE RELIEF OPTIONS

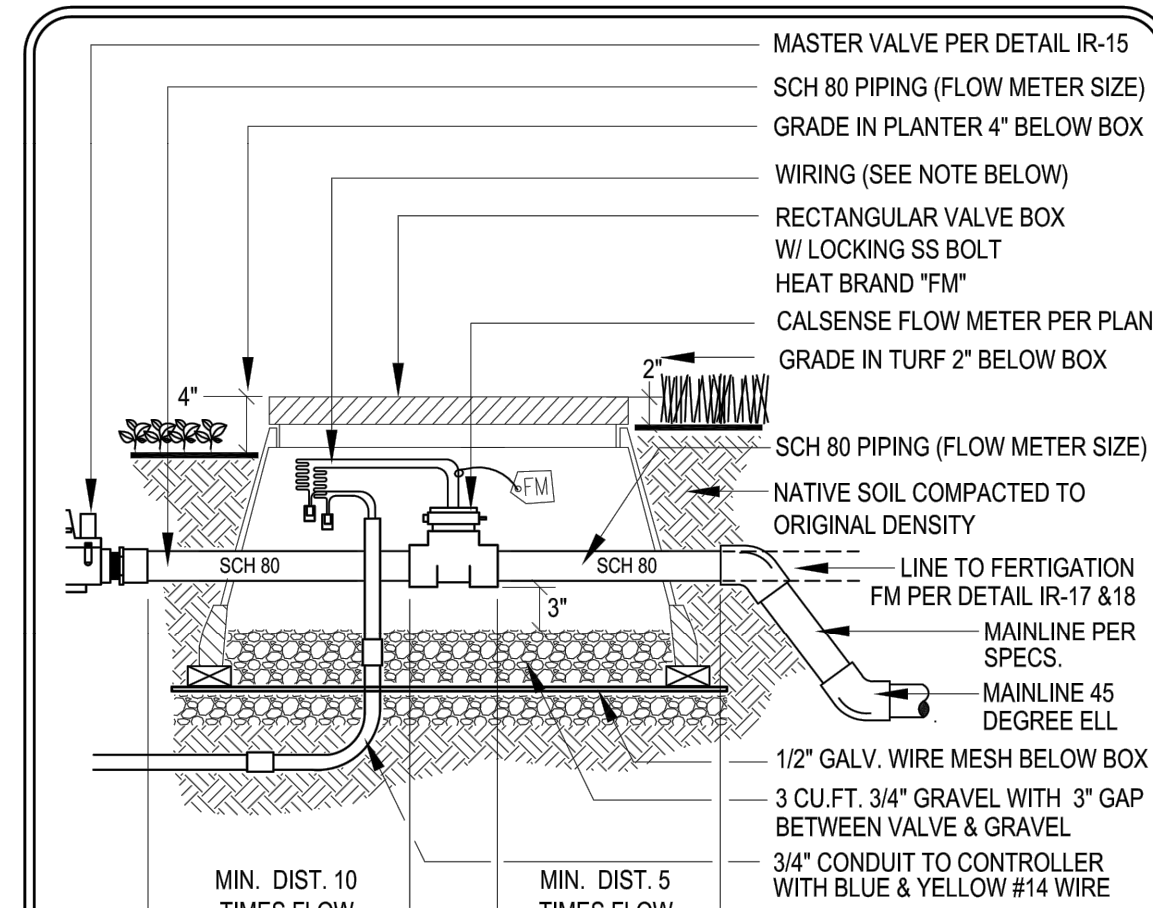
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**VALLEY-WIDE RECREATION & PARK DISTRICT**

MASTER CONTROL VALVE

IR-15  
REV. 2012

Valley-Wide Recreation & Park District 2012 Standards & Specifications 205



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  3. PROVIDE 4 EA. CONCRETE BRICKS UNDER VALVE BOX (TYP.)
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  6. NEVER CONNECT SINGLE MASTER VALVES AND FLOW METERS TO BOTH CONTROLLERS
  7. PROVIDE BRASS PIPING IN LIEU OF SCH 80 PVC WHEN BRASS FLOW METER IS SPECIFIED
  8. SEAL WIRE CONNECTORS AND CONDUIT OPENING WITH HARDENING SEALANT PER SPECS.
  9. PIPING AFTER FLOW METER CAN RUN DIRECTLY TO FERTIGATION FLOW METER WHEN USED

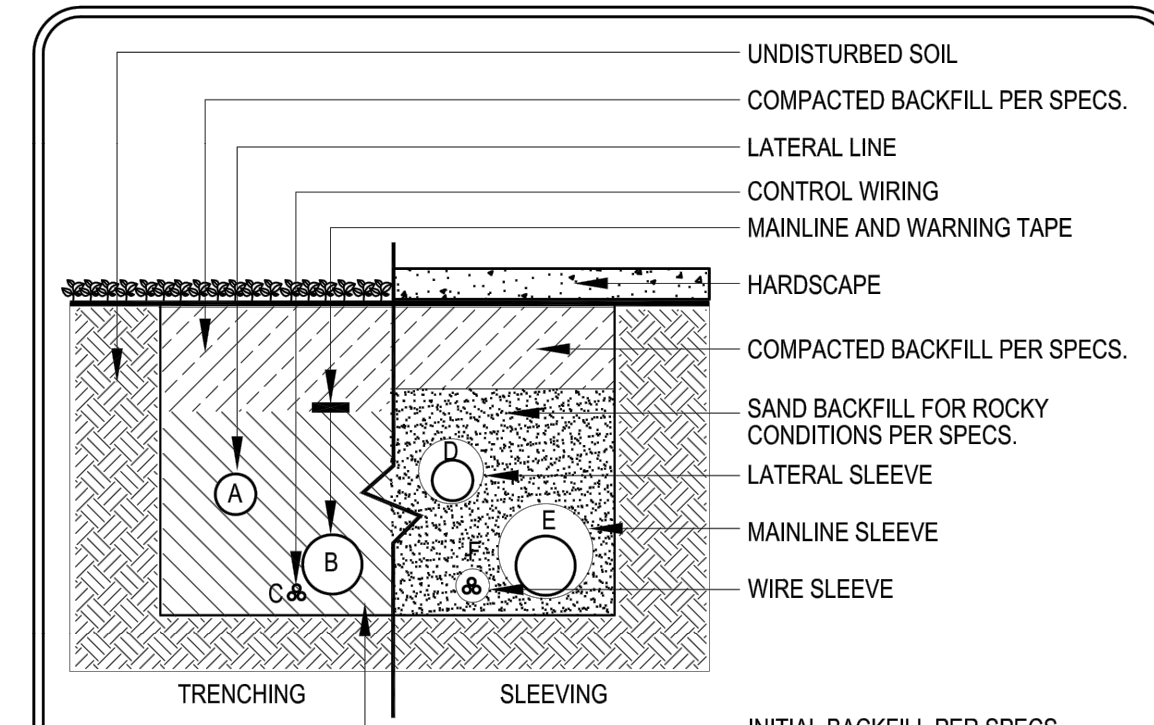
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**VALLEY-WIDE RECREATION & PARK DISTRICT**

FLOW METER

IR-16  
REV. 2012

Valley-Wide Recreation & Park District 2012 Standards & Specifications 206



INITIAL BACKFILL PER SPECS.

DEPTH	A	B	C	D	E	F
4" & LARGER	-	30"	30"	36"	36"	36"
3" & SMALLER	18"	24"	24"	30"	36"	36"
2-1/2" & SMALLER	12"	24"	24"	24"	30"	30"

WIRING: BELOW MAIN, BELOW MAIN

- NOTES:
1. LINES MUST HAVE MIN. CLEARANCE OF 4" FROM EACH OTHER & 24" FROM OTHER TRADES
  2. RUN WIRING UNDER MAINLINE TAPE & BUNDLE @ 10" O.C.
  3. PROVIDE A 24" LOOP IN ALL WIRING AT CHANGES IN DIRECTION
  4. ALL SLEEVES MUST BE 2 TIMES THE DIAMETER OF THE PIPE WITHIN
  5. ALL SLEEVES MUST HAVE FOAM AT PIPE OPENING TO PREVENT DIRT ENTRY
  6. ALL SLEEVES MUST EXTEND 12" MIN. DISTANCE PAST CURB OR SIDEWALK
  7. CONTRACTOR MUST ADJUST MAINLINE AROUND ALL STREET LIGHT LOCATIONS

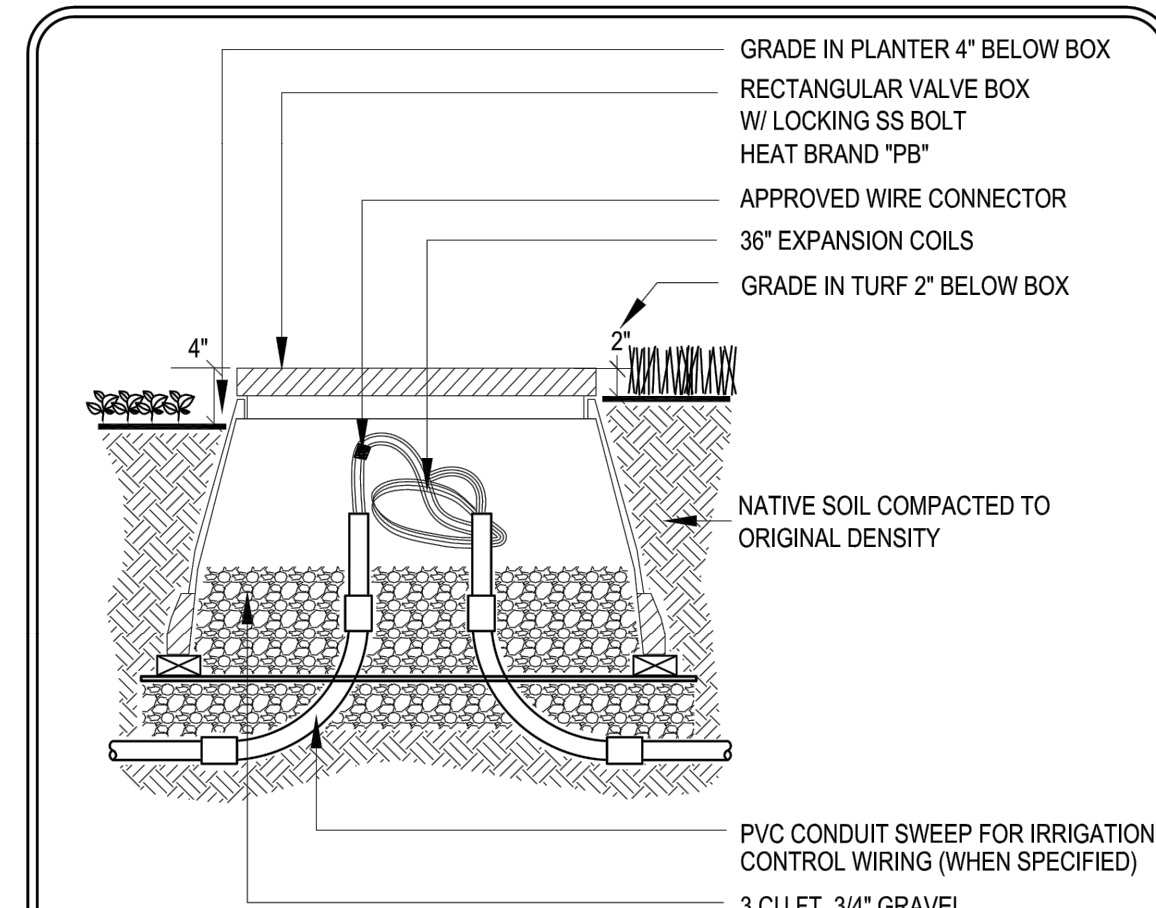
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**VALLEY-WIDE RECREATION & PARK DISTRICT**

TRENCHING & SLEEVING

IR-23  
REV. 2012

Valley-Wide Recreation & Park District 2012 Standards & Specifications 213



- NOTES:
1. ALL WIRING MUST CONFORM TO LOCAL CODES
  2. PROVIDE 24" EXPANSION COILS AT EACH WIRE CONNECTION
  3. PROVIDE 3" CLEARANCE BETWEEN WIRES & BOX
  4. EPOXY ALL GAPS BETWEEN WIRE AND CONDUIT AT EXPOSED SWEEP ENDS
  5. PROVIDE 4 EA. CONCRETE BRICKS UNDER VALVE BOX (TYP.)
  6. NO WIRE SPLICES SHALL BE ALLOWED UNLESS APPROVED BY THE DISTRICT
  7. ALL SPARE WIRES FOR END OF RUN SHALL BE IN A PULL BOX TYP. AND SHALL BE LABELED IN BOX AND AT CONTROLLER
  8. PROVIDE PULL BOX FOR ALL WIRE SPLICES FOR RUNS OVER 2500 FEET OR AS APPROVED

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**VALLEY-WIDE RECREATION & PARK DISTRICT**

PULL BOX

IR-27  
REV. 2012

Valley-Wide Recreation & Park District 2012 Standards & Specifications 217

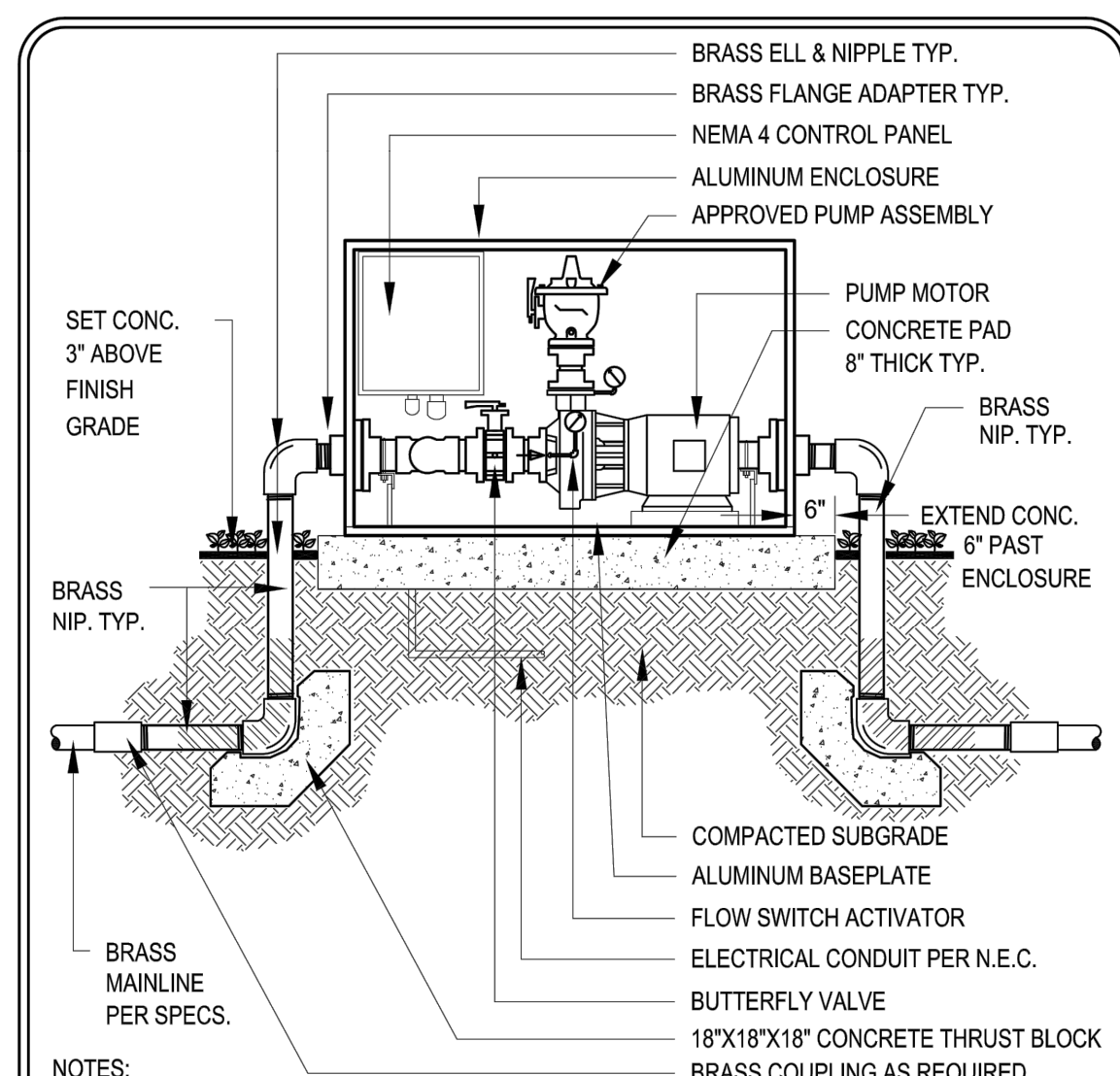
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- NOTES:
1. BOOSTER PUMP SHALL BE PRE-ASSEMBLED BY BARRETT ENGINEERED PUMPS
  2. ALL PIPING OVER 4" SHALL BE FLANGED
  3. WRAP ALL PIPING WHERE CONCRETE OCCURS
  4. REFER TO PLANS FOR PROJECT SPECIFIC MODEL NUMBERS AND NOTES
  5. INSTALL FERTIGATION WIRING, PUMP AND CONTROLS PER DETAILS IR-17 & 18 AND FERTIGATION MANUFACTURER REQUIREMENTS

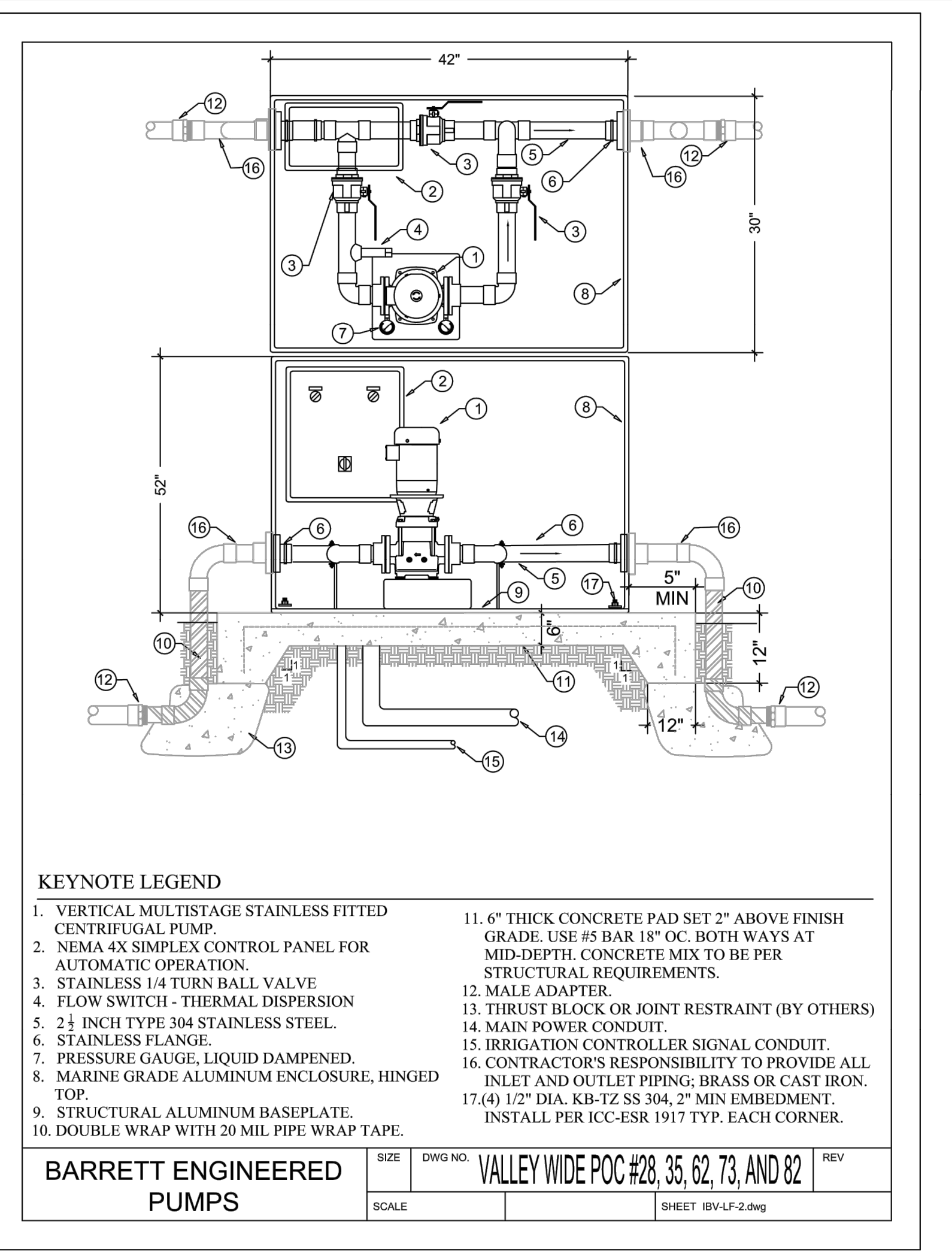
LD Consulting 2012 (Any deviation or reproduction of this design must be approved in writing by Valley-Wide Recreation & Park District)

**VALLEY-WIDE RECREATION & PARK DISTRICT**

BOOSTER PUMP

IR-14  
REV. 2012

Valley-Wide Recreation & Park District 2012 Standards & Specifications 204

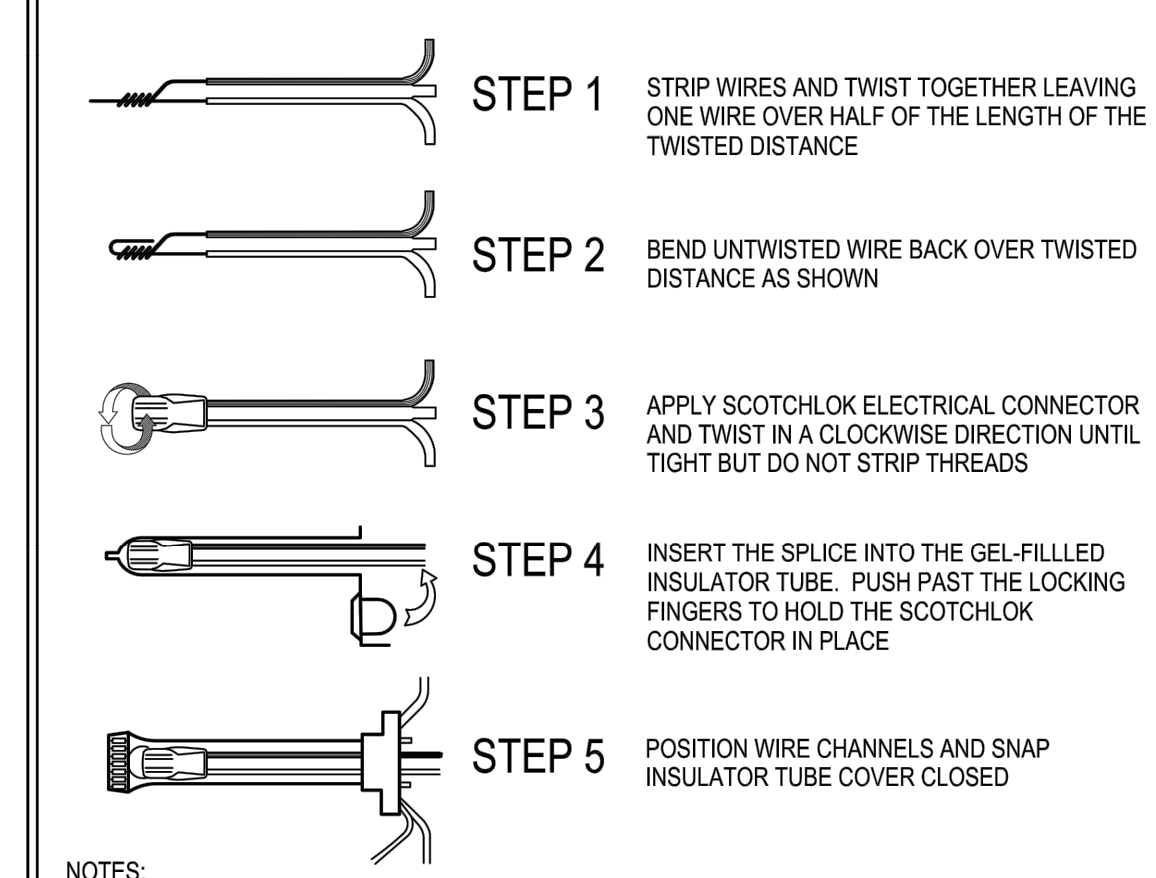


- KEYNOTE LEGEND**
1. VERTICAL MULTISTAGE STAINLESS FITTED CENTRIFUGAL PUMP.
  2. NEMA 4X SIMPLEX CONTROL PANEL FOR AUTOMATIC OPERATION.
  3. STAINLESS 1/4 TURN BALL VALVE
  4. FLOW SWITCH- THERMAL DISPERSION
  5. 2 1/2 INCH TYPE 304 STAINLESS STEEL.
  6. STAINLESS FLANGE.
  7. PRESSURE GAUGE, LIQUID DAMPENED.
  8. MARINE GRADE ALUMINUM ENCLOSURE, HINGED TOP.
  9. STRUCTURAL ALUMINUM BASEPLATE.
  10. DOUBLE WRAP WITH 20 MIL PIPE WRAP TAPE.
  11. 6" THICK CONCRETE PAD SET 2" ABOVE FINISH GRADE. USE #5 BAR 18" OC. BOTH WAYS AT MID-DEPTH. CONCRETE MIX TO BE PER STRUCTURAL REQUIREMENTS.
  12. MALE ADAPTER.
  13. THRUST BLOCK OR JOINT RESTRAINT (BY OTHERS)
  14. MAIN POWER CONDUIT.
  15. IRRIGATION CONTROLLER SIGNAL CONDUIT.
  16. CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL INLET AND OUTLET PIPING, BRASS OR CAST IRON.
  17. (4) 1/2" DIA. KB-TZ SS 304, 2" MIN EMBEDMENT. INSTALL PER ICC-ESR 1917 TYP. EACH CORNER.

**BARRETT ENGINEERED PUMPS**

SIZE: VALLEY WIDE POC #28, 35, 62, 73, AND 82

SCALE: SHEET: IRV-LF-2.dwg



- NOTES:
1. PROVIDE BLUE SEALANT IN ADDITION TO PRE-FILLED CONNECTOR
  2. PROVIDE WIRE CONNECTORS FOR ALL CONTROL WIRE SPLICES
  3. PROVIDE WIRE CONNECTORS AT ENDS OF ALL EXTRA WIRES
  4. WIRE SPLICES SHALL BE INSIDE VALVE BOXES AT VALVES OR FOR RUNS OVER 2500 FEET
  5. PROVIDE #12 CONTROL WIRE & #10 COMMON WIRE FOR RUNS OVER 2500 FEET
  6. SOLDER WIRE SPLICES FOR MASTER VALVE AND FLOW METER CONNECTIONS
  7. WIRE CONNECTORS SHALL BE 3M DBR-6 PER SPECS OR APPROVED EQUAL
  8. INSTALL WIRING PER DETAIL LC-23

LD Consulting 2012 (Any deviation or reproduction of this design must be approved in writing by Valley-Wide Recreation & Park District)

**VALLEY-WIDE RECREATION & PARK DISTRICT**

WIRE CONNECTORS

IR-28  
REV. 2012

Valley-Wide Recreation & Park District 2012 Standards & Specifications 218

**DIG ALERT**

Call: TOLL FREE 1-800-227-2600 OR 811

TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-23

DATE: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_ MARK: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ ENGINEER: \_\_\_\_\_

REVISIONS

NO.	DESCRIPTION	DATE

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>Saru Aman</i>	1/23/23
OPERATIONS	<i>David Wueth</i>	1/23/23

APPR. DATE: \_\_\_\_\_ ENGINEERING: \_\_\_\_\_ POS ENGINEER: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #28

IRRIGATION DETAILS

WO: 77451

PCWO: \_\_\_\_\_

DOPP: 14-A-03 RWUJ: \_\_\_\_\_

COORD. 14-A-04 RWUP: \_\_\_\_\_

14-A-12

I.D. 98 SHT. 22 OF 23

S.A. 34 D-66283





# VALLEY-WIDE RECREATION AND PARK DISTRICT

## RECYCLED WATER RETROFIT PLAN FOR POC # 67 (POURROY FIELDS) CITY OF WINCHESTER, CALIFORNIA

EMWD WO# 77443

### SHEET INDEX

- 1 COVER SHEET
- 2 INDEX MAP
- 3 INDEX MAP
- 4 IRRIGATION PLAN
- 5 IRRIGATION PLAN
- 6 IRRIGATION PLAN
- 7 IRRIGATION PLAN
- 8 IRRIGATION DETAILS
- 9 IRRIGATION DETAILS
- 10 IRRIGATION SPECIFICATIONS

### EMWD STANDARD RECYCLED WATER IRRIGATION PLAN NOTES

1. THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EMWD RECYCLED WATER IRRIGATION GUIDELINES, AND EMWD STANDARDS AND SPECIFICATIONS.
2. THE USE OF RECYCLED WATER SHALL ADHERE TO CDPH TITLE 22, DIVISION 4, CHAPTER 3 OF THE CALIFORNIA CODE OF REGULATIONS AND THE CURRENT RULES, ORDINANCES, REGULATIONS OF EMWD.
3. EMWD REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EMWD FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.
4. THE EASTERN MUNICIPAL WATER DISTRICT OPERATION DEPARTMENT SHALL BE NOTIFIED TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (951) 679-3222. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
5. WHEN POTABLE WATER IS ONSITE, THE CDPH TITLE 22 REQUIRES A CROSS CONNECTION SHUTDOWN TEST TO PRECEDE THE FINAL RELEASE OF THE IRRIGATION SYSTEM. THIS TEST WILL BE CONDUCTED BY EMWD.
6. THE RECYCLED WATER IRRIGATION PLAN IS A "LIVING" DOCUMENT OF RECORD THAT SHALL BE UPDATED IF THE PROJECT CONDITIONS, THE SITE PLAN, FACILITIES, IRRIGATED AREA, IRRIGATION DEMAND, OR DATA RELATIVE TO THE SITE CHANGES ONCE IT VARIES FROM THE ACCEPTED PLAN. DELTA REVISIONS OF THE PLAN SHALL BE AS DEEMED NECESSARY BY EMWD TO MAINTAIN ACCURATE DOCUMENT RECORDS OF THE PROJECT SITE AND LANDSCAPE IRRIGATION INSTALLATION.
7. ANY PROPOSED CHANGES TO A SYSTEM DURING CONSTRUCTION MUST BE SUBMITTED TO EMWD FOR AUTHORIZATION OF THE CHANGES PRIOR TO THE CHANGE BEING MADE IN THE FIELD.
8. UPON FINAL ACCEPTANCE OF AN IRRIGATION SYSTEM ANY FUTURE MODIFICATIONS MUST BE APPROVED THROUGH EMWD PRIOR TO THE START OF CONSTRUCTION.
9. ALL PUBLIC AND PRIVATE POTABLE WATER MAINS INCLUDING FIRE MAINS, ANY WATER WELLS AND/OR WATER COURSES WITHIN THE RECYCLED WATER PROJECT SHALL BE SHOWN ON THE PLANS.
10. DURING CONSTRUCTION, ALL RECYCLED IRRIGATION SYSTEMS SHALL BE CONNECTED TO A TEMPORARY POTABLE WATER SOURCE AT A T-METER CONNECTION TO A PUBLIC FIRE HYDRANT AS APPROVED BY EMWD. THIS CONNECTION WILL SERVE THE IRRIGATION SYSTEM WITH POTABLE WATER UNTIL THE METER IS RELEASED AT PROJECT APPROVAL. ALL TEMPORARY POTABLE CONNECTIONS FOR CONSTRUCTION OR IRRIGATION MUST BE HI-LINED THROUGH A T-METER AND AN APPROVED ABOVE GROUND REDUCED PRESSURE (RP) PRINCIPAL BACKFLOW DEVICE WITHIN 3 FEET OF METER. NO PURPLE COLORED PIPING OR APPURTENANCES SHALL BE CONNECTED TO ANY POTABLE WATER SOURCE.
11. REDUCED PRESSURE (RP) PRINCIPAL BACKFLOW DEVICES MUST BE APPROVED AND TESTED BY AN EMWD APPROVED BACKFLOW TESTER (A LIST OF APPROVED TESTERS ARE AVAILABLE UPON REQUEST).
12. CROSS CONNECTIONS BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED. FINES MAY BE LEVIED.
13. INTERCONNECTION OF IRRIGATION PRESSURE SUPPLY MAINLINES ORIGINATING FROM MORE THAN ONE METER IS STRICTLY PROHIBITED.
14. NO PONDING, RUNOFF OR OVERSPRAY IS PERMITTED. ADJUST ALL SPRINKLER HEADS TO MINIMIZE OVERSPRAY ONTO SIDEWALKS, STREETS, DRINKING FOUNTAINS, DECORATIVE FOUNTAINS, COMFORT STATIONS, PLAYGROUND EQUIPMENT, PICNIC TABLES, BBQ, PRIVATE LOTS, POTABLE WATER AREAS AND EQUIPMENT, FOOD PREPARATION, OUTDOOR EATING AREAS, OR NON-DESIGNATED USE AREAS MUST NOT BE SUBJECT TO RECYCLED WATER OVERSPRAY, WINDBLOWN SPRAY, RUNOFF, PONDING, OR UNAUTHORIZED USE. LACK OF PREVENTION, WHETHER BY DESIGN, CONSTRUCTION PRACTICE, OR SYSTEM OPERATION, IS STRICTLY PROHIBITED.
15. HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER SYSTEMS. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATED AREA.
16. QUICK COUPLING VALVES SHALL BE OF A TYPE APPROVED FOR RECYCLED WATER USE WITH BRASS CONSTRUCTION. A SPECIAL QUICK COUPLER KEY WITH AN ACME THREAD FOR OPENING AND CLOSING THE VALVE. QUICK COUPLER VALVES CANNOT BE LOCATED WITHIN 50 FEET OF FOOD PREPARATION, OUTDOOR EATING AREAS, OR DESIGNATED CHILDREN PLAY EQUIPMENT OR WITHIN THE FENCED PERIMETER SURROUNDING SWIMMING POOLS.
17. ALL NEW ON-SITE RECYCLED WATER PIPING INSTALLED ON THIS PROJECT SHALL BE PURPLE IN COLOR, PANTONE 522C AND IDENTIFIED IN ACCORDANCE WITH THE CURRENT CDPH GUIDELINES AND EASTERN MUNICIPAL WATER DISTRICTS STANDARDS AND SPECIFICATIONS.
18. WARNING TAPE FOR THE RECYCLED WATER PIPING SHALL BE PURPLE IN COLOR, PANTONE 522C, WITH THE WORDS "CAUTION: RECYCLED WATER" IMPRINTED IN MINIMUM 1 INCH HIGH LETTERS. IMPRINTING SHALL BE CONTINUOUS AND PERMANENT. THE WARNING TAPE SHALL BE INSTALLED CONTINUOUSLY ABOVE THE NEW RECYCLED WATER IRRIGATION MAINLINE.
19. WARNING SIGNS AND LABELS SHALL READ "CAUTION: RECYCLED WATER DO NOT DRINK" AND INCLUDE THE INTERNATIONAL SYMBOL FOR DO NOT DRINK. THE LOCATION FOR WARNING SIGNS SHALL BE AS CALLED OUT ON THE PLANS AND AT BOTH SIDES OF ALL DRIVEWAY AND WALKWAY ENTRANCES, AT RECYCLED WATER METERS AND POSTED EVERY 500' ALONG THE RECYCLED WATER USE SITE PERIMETER. FINAL FIELD LOCATIONS SHALL BE AS DIRECTED BY THE DISTRICT REPRESENTATIVE.

20. EACH AUTOMATIC CONTROLLER AND ITS ASSOCIATED EQUIPMENT SHALL BE IDENTIFIED WITH A SIGN BEARING THE WORDS "CAUTION: RECYCLED WATER DO NOT DRINK", WITH LETTERS AT LEAST 1 INCH HIGH ON A PURPLE BACKGROUND AND WITH A "DO NOT DRINK" SYMBOL SIGN. THE SIGNS SHALL BE PLACED AS TO BE READILY SEEN BY ANY OPERATIONS PERSONNEL UTILIZING THE EQUIPMENT.
21. SIGNS OR DECALS WITH "RECYCLED WATER, DO NOT DRINK" AND THE DO NOT DRINK SYMBOL MUST BE POSTED ON PUMP CABINETS, AND ALL ENCLOSURES.
22. RECYCLED WATER SPRINKLERS / SPRAY HEADS MUST HAVE PURPLE CAPS, PURPLE COLLARS, AND THE RISERS HAVE A RECYCLED WATER DECAL. LARGE THROW HEADS MUST HAVE PURPLE INSERTS. PURPLE CAPS AND COLLARS MUST BE FIRMLY AFFIXED TO SPRINKLER HEADS. ALL OTHER ABOVE GROUND EQUIPMENTS MUST BE COLORED PURPLE OR HAVE A "RECYCLED WATER, DO NOT DRINK" DECAL OR SIGN.
23. ALL AUTOMATIC CONTROLLERS MUST BE SET TO OPERATE BETWEEN THE HOURS OF 9:00 P.M. AND 6:00 A.M. UNLESS OTHERWISE PERMITTED BY EMWD.
24. EDUCATE ALL MAINTENANCE PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORMED THAT RECYCLED WATER IS MEANT FOR IRRIGATION PURPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PURPOSES, HAND WASHING, CLEANING OF TOOLS, ETC.  
  
IN CASE OF EMERGENCY, CONTACT GREG ODEN AT (951) 654-1505 OR AFTER HOURS,  
  
CONTACT GREG ODEN AT (951) 306-5016
25. AN ON-SITE USER/SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM. SAID PERSON IS REQUIRED TO PROVIDE A 24 HOUR CONTACT PHONE NUMBER AND ATTEND APPROVED SITE SUPERVISOR CLASS. COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO EASTERN MUNICIPAL WATER DISTRICT.
26. FAILURE TO COMPLY WITH THESE NOTES AND EMWD'S RULES AND REGULATIONS IS A VIOLATION AND COULD RESULT IN SUSPENSION OF SERVICE UNTIL THE APPROPRIATE CORRECTIVE STEPS HAVE BEEN TAKEN.

### LANDSCAPE MAINTENANCE RESPONSIBILITY NOTE

IT SHALL BE THE RESPONSIBILITY OF VALLEY-WIDE RECREATION AND PARK DISTRICT TO MAINTAIN ALL ON SITE RECYCLED WATER IRRIGATION IN ACCORDANCE WITH EMWD ORDINANCE 68 LATEST EDITION.

### EMWD TIME LIMITATION NOTE

THE TIME LIMIT ON DRAWING APPROVAL SHALL BE SIX (6) MONTHS FROM THE DATE OF PLAN APPROVAL. IF CONSTRUCTION HAS NOT COMMENCED WITHIN THE STATED TIME, EMWD REQUIRES DRAWING(S) TO BE REVIEWED BY THE DESIGN ENGINEER AND/OR ARCHITECT AND RESUBMITTED TO EMWD FOR POSSIBLE CHANGES IN MASTER PLANNED FACILITIES, SPECIFICATIONS AND STANDARDS.

### EMWD STANDARD NOTE

INSTALLATION NOTES  
THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS.

### COLOR CODING NOTES

1. ALL IRRIGATION RISERS, DRIP LINE, AND COMPONENTS THAT ARE NOT AVAILABLE FROM THE MANUFACTURE WITH PURPLE RECYCLED WATER IDENTIFICATION SHALL BE LABELED WITH RECYCLED WATER DECALS OR STICKERS.
2. ALL IRRIGATION COMPONENTS AND VALVES MUST HAVE A RECYCLED WATER ID TAG AND A VALVE ID TAG IN A VALVE BOX WITH A PURPLE LID. THE PURPLE LID SHALL BE HEAT BRANDED WITH THE VALVE LABEL.
3. ROTOR HEADS MAY BE PAINTED PURPLE WHEN REPLACEMENT CAPS OR COLLARS ARE NOT AVAILABLE. CONTRACTOR TO SUBMIT QUANTITIES, MANUFACTURER AND MODEL NUMBER OF THE HEAD TO EMWD FOR APPROVAL.

### RECYCLED WATER AND POTABLE WATER SEPARATION CLEARANCE NOTE

THE RECYCLED WATER IRRIGATION MAINLINE IS SHOWN DIAGRAMMATICALLY FOR CLARITY PURPOSES ONLY. THE RECYCLED WATER IRRIGATION MAINLINE MUST:

1. BE INSTALLED WITH A 4' (FOOT) MINIMUM HORIZONTAL CLEARANCE FROM ALL POTABLE WATERLINES AND FIRE LINES.
2. BE INSTALLED WITH A 1' (FOOT) OF VERTICAL CLEARANCE AND BE LOCATED UNDER ALL POTABLE WATERLINES AND FIRE LINES.
3. WHERE THE RECYCLED WATER IRRIGATION MAINLINES MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A 4" (INCH) MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER IRRIGATION MAINLINE MUST BE INSTALLED IN A CONTINUOUS SLEEVE (PVC CLASS 200 PIPE MINIMUM) WHICH EXTENDS A MINIMUM OF 10' (FEET) EACH SIDE OF THE POTABLE WATERLINE OR FIRE LINE.

### IRRIGATION NOTES

1. CONTRACTOR SHALL CAREFULLY PERFORM WORK TO INSURE THAT NO SERVICE INTERRUPTION OF DOMESTIC WATER OCCURS DURING OPERATION HOURS. CONTRACTOR SHALL NOTIFY THE DISTRICT 24 HOURS PRIOR TO ANY SCHEDULED SHUTDOWN OF DOMESTIC OR IRRIGATION WATER.
2. IRRIGATION WATER SUPPLY SHALL NOT BE TERMINATED FOR ANY PERIOD LONGER THAN 24 HOURS. IN THE EVENT THAT WATER IS TERMINATED LONGER THAN 24 HOURS, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO ANY LANDSCAPE RELATED TO LACK OF WATER.
3. CONTRACTOR SHALL DISCONNECT AND CAP ALL EXISTING MAINLINE AT LOCATIONS AS SHOWN ON THE PLANS. ALL FITTINGS (INCLUDING CAPS) 3" AND SMALLER SHALL BE SCH 80 PVC AND ALL FITTINGS LARGER THAN 3" SHALL BE LEEMCO IRON DUCTILE RESTRAINTS.
4. ALL NEW WORK SHALL COMPLY WITH CURRENT DISTRICT STANDARDS AND SPECIFICATIONS.
5. ALL NEW PRESSURE LINE PIPING SHALL BE PRESSURE TESTED PER EMWD REQUIREMENTS BEFORE CONNECTING TO ANY EXISTING MAINLINE. ANY EXISTING MAINLINE WILL NOT BE REQUIRED TO BE PRESSURE TESTED.
6. CONTRACTOR SHALL SLEEVE ALL EXISTING POTABLE PRESSURE LINE PIPING WITHIN 4 FEET OF ANY NEW RECYCLED WATER LINE AS REQUIRED BY EMWD. LOCATIONS OF DOMESTIC WATER PIPING IS SHOWN ON PLANS TO BE THE BEST KNOWLEDGE OF EMWD. IN THE EVENT ANY DISCREPANCY BETWEEN FIELD CONDITIONS AND PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SEPARATIONS SLEEVING AS REQUIRED BY EMWD WITHOUT ADDITIONAL COMPENSATION.
7. ALL EXISTING VALVE BOXES THAT ARE UNEVEN, OUT OF PLUMB, ABOVE OR BELOW GRADE SHALL BE ADJUSTED TO GRADE PER DISTRICT DETAILS.
8. ALL NEW VALVES AND PIPING SHALL BE MEASURED AND AS-BUILT PER EMWD REQUIREMENTS PRIOR TO BACKFILLING. ALL EXISTING PIPING LOCATED DURING CONSTRUCTION SHALL BE IDENTIFIED, MEASURED AND INCLUDED WITH THE AS-BUILTS.
9. ALL NEW PURPLE VALVE BOX LID SHALL BE HEAT BRANDED TO INDICATE THE CORRESPONDING CONTROLLER AND STATION NUMBER PER DISTRICT DETAIL.
10. INSTALL PURPLE CAPS FOR ALL SPRAY HEADS AND ROTORS THAT ARE CONNECTED TO RECYCLED WATER SYSTEM.
11. CONTRACTOR TO LOCATE AND REDLINE (DOCUMENT) ALL POTABLE AND FIRE WATER LINE ON-SITE FACILITIES WITHIN CLOSE PROXIMITY OF NEW RECYCLED WATER LINES.
12. ALL WORK SHALL CONFORM TO EASTERN MUNICIPAL WATER DISTRICT'S CURRENT STANDARDS, SPECIFICATIONS AND GUIDELINES FOR RECYCLED WATER.
13. IN THE EVENT OF ANY DISCREPANCY BETWEEN PLANS AND EMWD STANDARD GUIDELINES / SPECIFICATIONS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE OVER PLANS AS DETERMINED BY THE DISTRICT.
14. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT PRIOR TO ANY DIGGING AND SHALL BE RESPONSIBLE FOR ANY DAMAGED UTILITIES.
15. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR REPAIRING AND OR REPLACING ANY DAMAGE TO EXISTING LANDSCAPE AND IRRIGATION REQUIRED TO RETROFIT PROJECT TO RECYCLED WATER.
16. CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIM / HERSELF WITH EXISTING SITE CONDITIONS PRIOR TO SUBMITTAL OF BID.
17. IF FIELD CONDITIONS ARE DIFFERENT FROM WHAT IS SHOWN ON THE PLANS, THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONTINUING WITH SITE IMPROVEMENTS.
18. ANY COMPONENTS OF THE IRRIGATION SYSTEM WHICH ARE REPLACED / REPAIRED MUST BE REPLACED WITH PURPLE RECYCLED WATER COMPONENTS PER EMWD STANDARDS.
19. ALL WORK MUST CONFORM TO VALLEY-WIDE RECREATION AND PARK DISTRICT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF ANY CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT STANDARD SHALL PREVAIL, UNLESS OTHERWISE APPROVED BY BOTH EMWD AND VALLEY-WIDE.

### HOLD HARMLESS AND INDEMNIFICATION CLAUSE

CONTRACTOR AGREES TO ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, THE CSA, COUNTY OF LOCAL JURISDICTION, THE CITY OF WINCHESTER, VALLEY-WIDE RECREATION AND PARK DISTRICT AND EASTERN MUNICIPAL WATER DISTRICT HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, THE CSA, AND COUNTY OF LOCAL JURISDICTION.

EXISTING POTABLE IRRIGATION DATA TABLE				
EXISTING POTABLE METER LOCATION	EXISTING P.O.C. DESIGNATION	SERVICE ORDER (SO) NUMBER	HISTORICAL USAGE (AF/Y)	EXISTING POTABLE METER SIZE (IN.)
POURROY RD.	67	213226	14.39	2
POURROY RD.	68	208720	0.61	2
TOTAL			15.00	


### RECYCLED METER INFORMATION TABLE

POC ID	POC STA.	DWG #	IRRIGATED AREA (SF)	DEMAND (GPM)	ANNUAL USAGE ACRE FEET	LATERAL SIZE (IN.)	METER SIZE (IN.)
POC #67	68+55	D-60496	382,500	120	15.0	4"	2"
TOTAL			382,500	120	15.0		

CUSTOMER ACKNOWLEDGES AND AGREES THAT THIS DESIGN AND PLAN IS CONSISTENT WITH CUSTOMER'S OWN STANDARDS AND FIT FOR ITS INTENDED PURPOSE.

NAME: Dean Wetter  
 TITLE: General Manager  
 SIGNATURE: [Signature] DATE: 2-23-23

APPROVED AS NOTED IN BLUE ON SHEETS 4 & 5.

<b>DIG ALERT</b>  Call: TOLL FREE 1-800-227-2600 OR 811 TWO FULL WORKING DAYS BEFORE YOU DIG	BENCH MARK DESCRIPTION:	ACCEPTED BY:	REVISIONS	ACCEPTED BY:	VALLEY-WIDE RECREATION AND PARK DISTRICT WINCHESTER, CA. RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS POC #67 COVER SHEET
	LOCATION:	VALLEY-WIDE RECREATION AND PARK DISTRICT	3/24/23 JP ▲ POC 67 POC RELOCATION	EASTERN MUNICIPAL WATER DISTRICT	
	VERTICAL DATUM:	DEPARTMENT: ACCEPTANCE DATE: 2-23-23	DATE: 3/24/23	DATE: 2/24/23	
	HORIZONTAL DATUM:	DRAWN BY: DATE: BY: MARK: APPR. DATE: EMWD: DESCRIPTION:	DEPARTMENT: NEW BUSINESS P.C. OPERATIONS ENGINEERING POS ENGINEER	DATE: 2/24/23	

**EMWD STANDARD NOTE**

**CONSTRUCTION NOTE**  
EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.

**INSTALLATION NOTES**

- THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS FOR DEVELOPER'S PROJECTS.
- HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER IRRIGATION SYSTEMS. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATION AREA.

**COLOR CODING NOTES**

- ALL IRRIGATION EMISSION DEVICES, SUCH AS SPRAY HEADS, ROTORS, BUBBLERS, DRIP EMITTERS, OR DRIP ASSEMBLIES SHALL BE IDENTIFIED WITH PURPLE IDENTIFICATION BODIES, COLLARS, CAPS, CONNECTORS, ADAPTERS, ETC. TO PERMANENTLY LABEL THE COMPONENTS AS EMITTING RECYCLED IRRIGATION WATER. THE PURPLE IDENTIFICATION SHALL BE EXPOSED TO THE SURFACE.
- ALL IRRIGATION RISERS, DRIP LINE, AND COMPONENTS THAT ARE NOT AVAILABLE FROM THE MANUFACTURE WITH PURPLE RECYCLED WATER IDENTIFICATION SHALL BE LABELED WITH RECYCLED WATER DECALS OR STICKERS.
- ALL IRRIGATION COMPONENTS AND VALVES MUST HAVE A RECYCLED WATER ID TAG AND A VALVE ID TAG IN A PURPLE VALVE BOX WITH A PURPLE LID. THE PURPLE LID SHALL BE HEAT BRANDED WITH THE VALVE LABEL.

**FOR NEW PROPOSED PIPE INSTALLATION:**

**RECYCLED WATER AND POTABLE WATER SEPARATION CLEARANCE NOTE**  
THE RECYCLED WATER IRRIGATION MAINLINE IS SHOWN DIAGRAMMATICALLY FOR CLARITY PURPOSES ONLY. THE RECYCLED WATER IRRIGATION MAINLINE MUST:

- BE INSTALLED WITH A 4' (FOOT) MINIMUM HORIZONTAL CLEARANCE FROM ALL POTABLE WATERLINES AND FIRE LINES.
- BE INSTALLED WITH A 1' (FOOT) OF VERTICAL CLEARANCE AND BE LOCATED UNDER ALL POTABLE WATERLINES AND FIRE LINES.
- WHERE THE RECYCLED WATER IRRIGATION MAINLINES MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A 4" (INCH) MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER IRRIGATION MAINLINE MUST BE INSTALLED IN A CONTINUOUS SLEEVE (PVC CLASS 200 PIPE MINIMUM) WHICH EXTENDS A MINIMUM OF 10' (FEET) EACH SIDE OF THE POTABLE WATERLINE OR FIRE LINE.

**PROPOSED RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
	RECYCLED IRRIGATION WATER METER
	RECYCLED IRRIGATION MASTER VALVE
	RECYCLED IRRIGATION FLOW SENSOR
	RECYCLED IRRIGATION BOOSTER PUMP
	RECYCLED WATER SIGNAGE
	RECYCLED IRRIGATION BALL VALVE
	RECYCLED IRRIGATION MAINLINE

**EXISTING RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
	RECYCLED ISOLATION VALVE
	RECYCLED QUICK COUPLER VALVE
	RECYCLED REMOTE CONTROL VALVE
	RECYCLED IRRIGATION CONTROLLER
	IRRIGATION MAINLINE

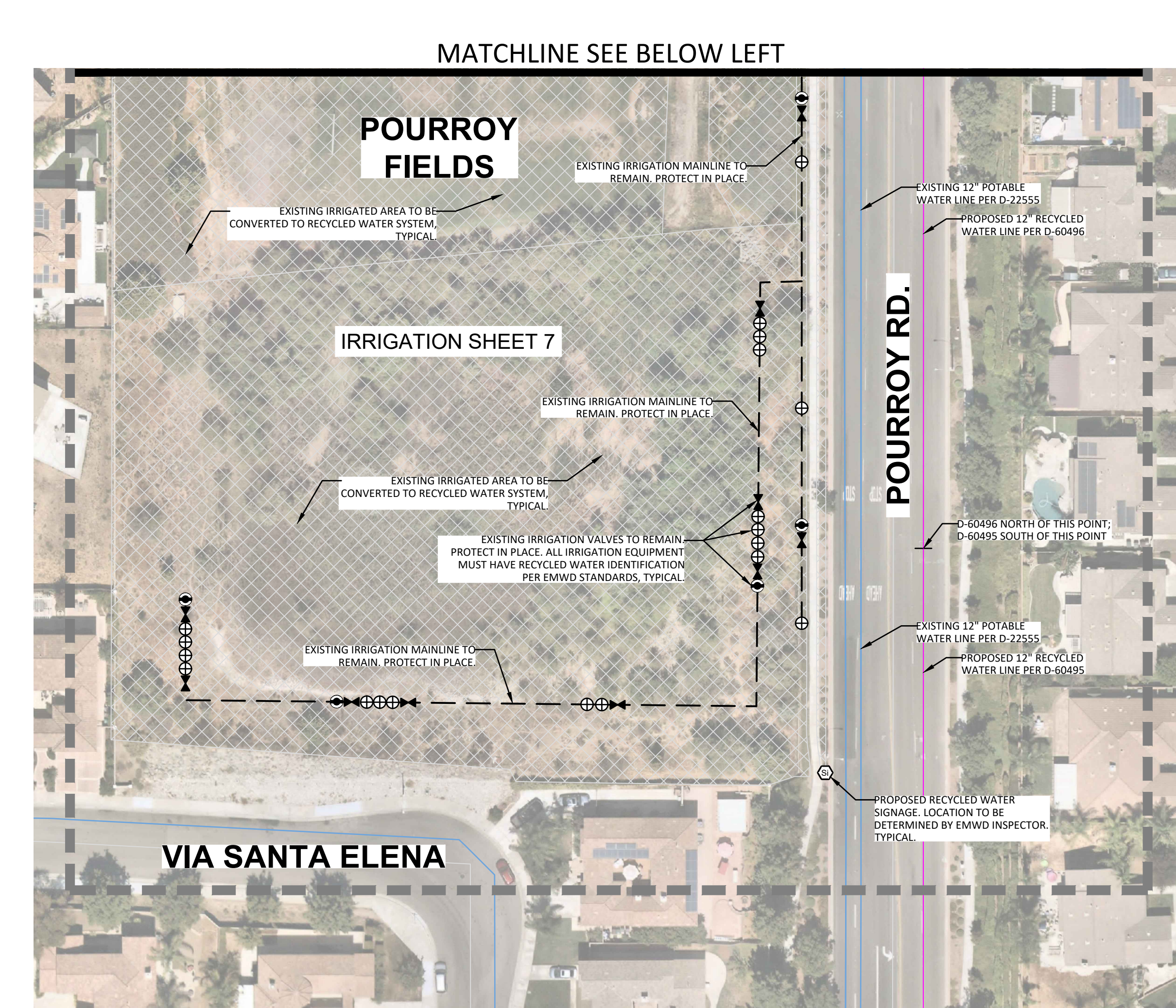
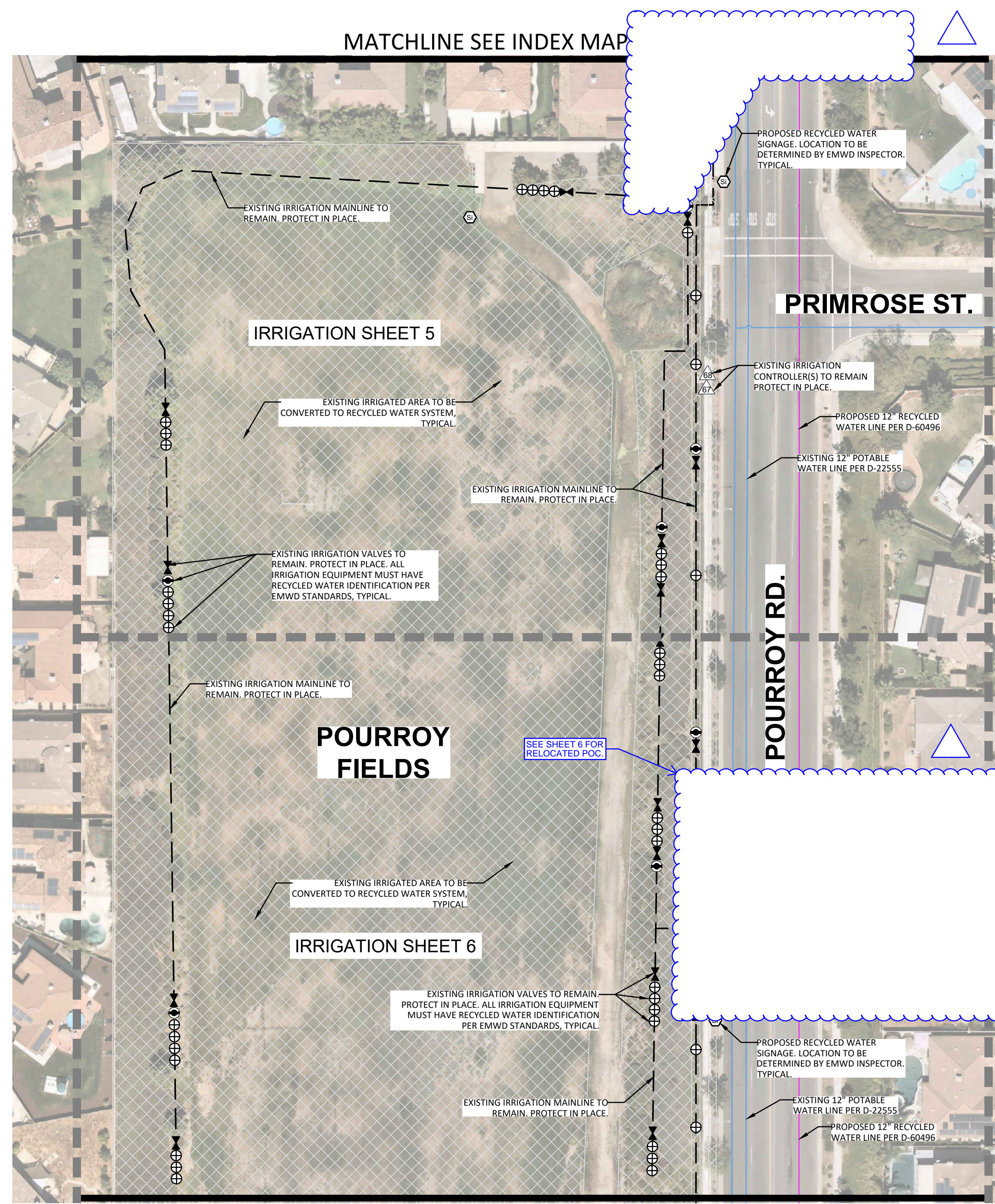
**POTABLE WATER LEGEND:**

SYMBOL	DESCRIPTION
	POTABLE WATER METER
	POTABLE BACKFLOW PREVENTER
	POTABLE WATER FLOW SENSOR
	POTABLE WATER MASTER VALVE

RECYCLED WATER IRRIGATED AREA (382,500 SF)

**VALVE BOX NOTE:**

1. CONTRACTOR TO REPLACE EXISTING LIDS OF IRRIGATION VALVE BOXES. VALVE BOX LID SHALL BE PURPLE AND HEAT BRANDED WITH REMOTE CONTROL VALVE STATION AND COMPONENT IDENTIFICATION.
2. CONTRACTOR TO ADJUST EXISTING VALVE BOXES TO GRADE PER VALLEY-WIDE STANDARD AND INSTALL RECYCLED WATER ID TAG.
3. ALL DAMAGED VALVE BOXES SHALL BE REPLACED WITH NEW PURPLE COLOR VALVE BOXES AND HEAT BRANDED LID AND INSTALL RECYCLED WATER ID TAG WITHIN EACH BOX.



**Dynamic Pressure Loss Calculation**

Client Name: VALLEY-WIDE RECREATION AND PARK DISTRICT  
Project Name: POURROY FIELDS, WINCHESTER, CA  
Water Meter / POC No.: 67 / POC #67  
Domestic / Recycled: RECYCLED  
POC Elevation: 1,380 ft.  
HGL: 1,490 ft.  
Static Pressure: 48 psi  
Water Source & Phone #: EMWD (951) 928-3777  
Date: October 22, 2022  
Valve Station No.: A-3 (HIGHEST FLOW VALVE ON POC #67)  
Valve Flow Rate: 85.2 gpm  
Highest Elevation Served: 1,385 ft.

Equipment	Size	Flow	Length / Qty.	PSI Loss	
Water Meter	2 in.	120 gpm	N/A	11.3 psi	
Basket Strainer	2 in.	120 gpm	N/A	2.0 psi	
Mainline (PVC)	4 in.	120 gpm	43 ft.	0.1 psi	
Mainline (PVC)	3 in.	86 gpm	780 ft.	6.1 psi	
Master Valve	2 in.	120 gpm	N/A	4.6 psi	
Flow Meter	2 in.	120 gpm	N/A	0.2 psi	
Gate Valve	4 in.	120 gpm	5	1.0 psi	
Remote Control Valve	2 in.	85.2 gpm	N/A	4.5 psi	
Lateral Line	VARIES	VARIES	VARIES	4.0 psi	
Fittings (Estimate 10%)	N/A	N/A	N/A	3.4 psi	
				Elevation Change	2.2 psi
				Pressure Req. to Operate Heads	50.0 psi
				Total Pressure Required	89.4 psi
				Booster Pump Design Boost	60.0 psi
				Available Residual Pressure	18.2 psi

**Dynamic Pressure Loss Calculation**

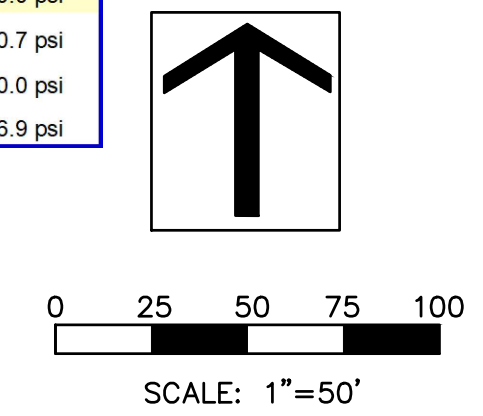
Client Name: VALLEY-WIDE RECREATION AND PARK DISTRICT  
Project Name: POURROY FIELDS, WINCHESTER, CA  
Water Meter / POC No.: CONTROLLER 66  
Domestic / Recycled: RECYCLED  
POC Elevation: 1,380 ft.  
HGL: 1,490 ft.  
Static Pressure: 48 psi  
Water Source & Phone #: EMWD (951) 928-3777  
Date: January 28, 2023  
Valve Station No.: A-X (HIGHEST FLOW VALVE ON POC #66)  
Valve Flow Rate: 20.0 gpm  
Highest Elevation Served: 1,385 ft.

Equipment	Size	Flow	Length / Qty.	PSI Loss	
Water Meter	2 in.	120 gpm	N/A	11.3 psi	
Basket Strainer	2 in.	120 gpm	N/A	2.0 psi	
Mainline (PVC)	4 in.	120 gpm	43 ft.	0.1 psi	
Mainline (PVC)	3 in.	100 gpm	500 ft.	5.3 psi	
Mainline (PVC)	1 1/4 in.	20 gpm	550 ft.	11.7 psi	
Master Valve	2 in.	120 gpm	N/A	4.6 psi	
Flow Meter	2 in.	120 gpm	N/A	0.2 psi	
Gate Valve	4 in.	120 gpm	5	1.0 psi	
Remote Control Valve	1 1/2 in.	20.0 gpm	N/A	3.9 psi	
Lateral Line	VARIES	VARIES	VARIES	4.0 psi	
Fittings (Estimate 10%)	N/A	N/A	N/A	4.4 psi	
				Elevation Change	2.2 psi
				Pressure Req. to Operate Heads	30.0 psi
				Total Pressure Required	80.7 psi
				Booster Pump Design Boost	60.0 psi
				Available Residual Pressure	26.9 psi

**BARRETT ENGINEERED PUMPS**

SPECIALISTS IN PUMPS AND PUMPING SYSTEMS  
PROJECT: VALLEY WIDE - POURROY FIELDS  
SYSTEM DESIGN PARAMETERS - POC #67

IBPCO-10-2-3/VFD-F System Model Number	120 GPM System Design Flow Rate	90 PSI System Design Pressure	3 INCH System Piping Size
48 PSI Minimum Suction Pressure	230 VAC System Electrical Voltage	1 PHASE 60 Hz System Electrical Phase and Frequency	
PACO 1570-5 SS Pump Model Number	120 GPM Pump Capacity (GPM)	150 FEET Pump Total Head (Feet)	
10 HP Pump Horsepower	3500 RPM Pump RPM	45 AMPS @ 230/1 ph System Full Load Amperage	



<p><b>DIG ALERT</b></p> <p>Call: TOLL FREE 1-800-227-2600 OR 811</p> <p>TWO FULL WORKING DAYS BEFORE YOU DIG</p>	<p>BENCH MARK</p> <p>DESCRIPTION: _____</p> <p>LOCATION: _____</p> <p>VERTICAL DATUM: _____</p> <p>HORIZONTAL DATUM: _____</p>	ACCEPTED BY:		<p>VALLEY-WIDE RECREATION AND PARK DISTRICT</p> <p>3/24/23 JP [Signature] POC 67 POC RELOCATION</p>				<p>ACCEPTED BY:</p> <p>EASTERN MUNICIPAL WATER DISTRICT</p> <p>John Wueth 2/24/23 SENIOR CIVIL ENGINEER DATE</p>				<p>VALLEY-WIDE RECREATION AND PARK DISTRICT</p> <p>WINCHESTER, CA.</p> <p>RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS</p> <p>POC #67</p> <p>INDEX MAP</p>				<p>WO: 77443</p>
		<p>DEPARTMENT</p> <p>ACCEPTANCE [Signature]</p> <p>DATE 2-23-23</p>	<p>DATE</p> <p>DRAWN BY:</p> <p>CHECKED BY:</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>APPR.</p> <p>DATE</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>	<p>DATE</p> <p>BY</p> <p>MARK</p>

**EMWD STANDARD NOTE**

**CONSTRUCTION NOTE**  
 EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.

**INSTALLATION NOTES**

- THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS FOR DEVELOPER'S PROJECTS.
- HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER IRRIGATION SYSTEMS. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATION AREA.

**COLOR CODING NOTES**

- ALL IRRIGATION EMISSION DEVICES, SUCH AS SPRAY HEADS, ROTORS, BUBBLERS, DRIP EMITTERS, OR DRIP ASSEMBLIES SHALL BE IDENTIFIED WITH PURPLE IDENTIFICATION BODIES, COLLARS, CAPS, CONNECTORS, ADAPTERS, ETC. TO PERMANENTLY LABEL THE COMPONENTS AS EMITTING RECYCLED IRRIGATION WATER. THE PURPLE IDENTIFICATION SHALL BE EXPOSED TO THE SURFACE.
- ALL IRRIGATION RISERS, DRIP LINE, AND COMPONENTS THAT ARE NOT AVAILABLE FROM THE MANUFACTURE WITH PURPLE RECYCLED WATER IDENTIFICATION SHALL BE LABELED WITH RECYCLED WATER DECALS OR STICKERS.
- ALL IRRIGATION COMPONENTS AND VALVES MUST HAVE A RECYCLED WATER ID TAG AND A VALVE ID TAG IN A PURPLE VALVE BOX WITH A PURPLE LID. THE PURPLE LID SHALL BE HEAT BRANDED WITH THE VALVE LABEL.

**FOR NEW PROPOSE PIPE INSTALLATION:**

**RECYCLED WATER AND POTABLE WATER SEPARATION CLEARANCE NOTE**  
 THE RECYCLED WATER IRRIGATION MAINLINE IS SHOWN DIAGRAMMATICALLY FOR CLARITY PURPOSES ONLY. THE RECYCLED WATER IRRIGATION MAINLINE MUST:

- BE INSTALLED WITH A 4' (FOOT) MINIMUM HORIZONTAL CLEARANCE FROM ALL POTABLE WATERLINES AND FIRE LINES.
- BE INSTALLED WITH A 1' (FOOT) OF VERTICAL CLEARANCE AND BE LOCATED UNDER ALL POTABLE WATERLINES AND FIRE LINES.
- WHERE THE RECYCLED WATER IRRIGATION MAINLINES MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A 4" (INCH) MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER IRRIGATION MAINLINE MUST BE INSTALLED IN A CONTINUOUS SLEEVE (PVC CLASS 200 PIPE MINIMUM) WHICH EXTENDS A MINIMUM OF 10' (FEET) EACH SIDE OF THE POTABLE WATERLINE OR FIRE LINE.

**PROPOSED RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
	RECYCLED IRRIGATION WATER METER
	RECYCLED IRRIGATION MASTER VALVE
	RECYCLED IRRIGATION FLOW SENSOR
	RECYCLED IRRIGATION BOOSTER PUMP
	RECYCLED WATER SIGNAGE
	RECYCLED IRRIGATION BALL VALVE
	RECYCLED IRRIGATION MAINLINE

**EXISTING RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
	RECYCLED ISOLATION VALVE
	RECYCLED QUICK COUPLER VALVE
	RECYCLED REMOTE CONTROL VALVE
	RECYCLED IRRIGATION CONTROLLER
	IRRIGATION MAINLINE

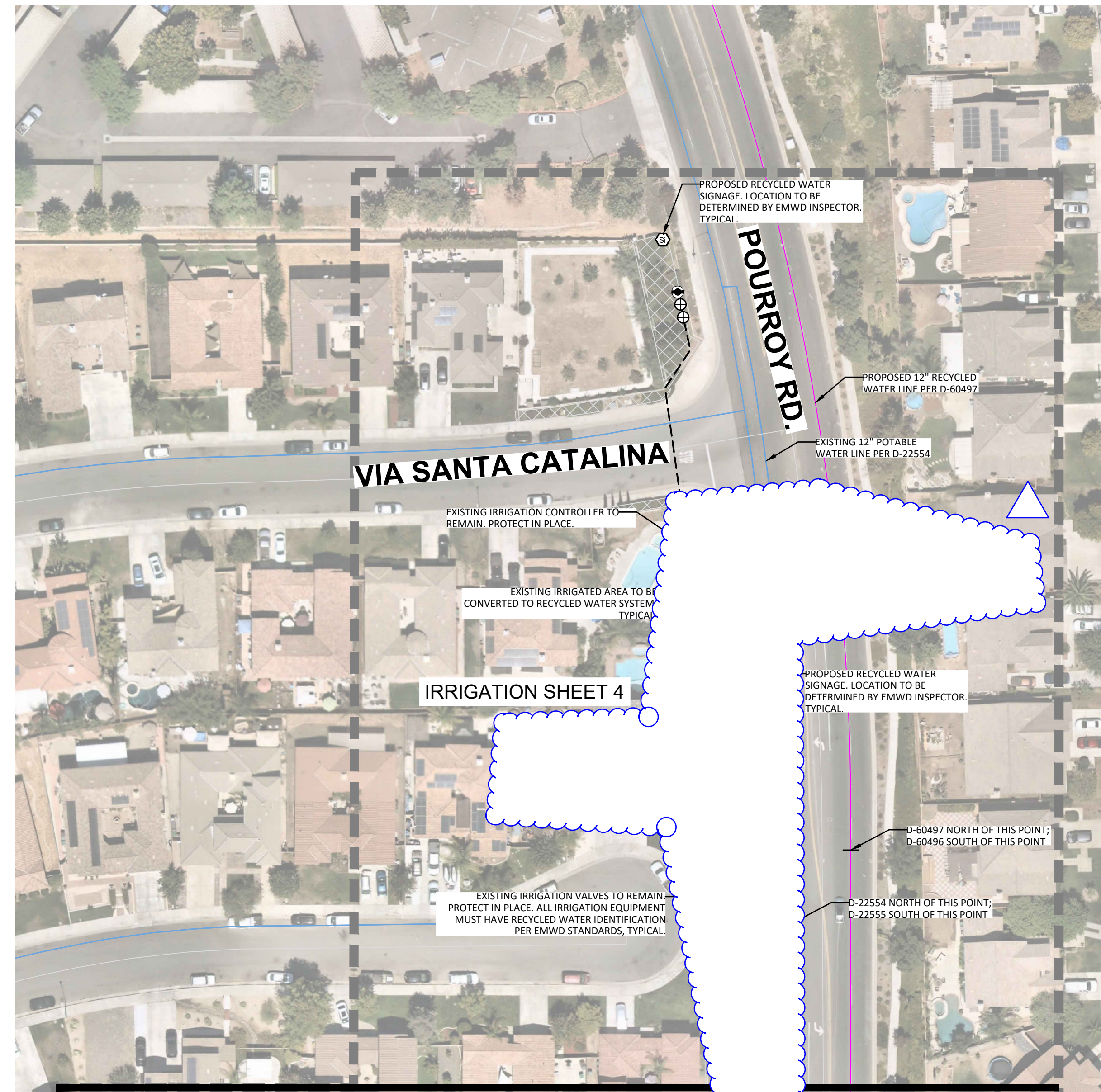
**POTABLE WATER LEGEND:**

SYMBOL	DESCRIPTION
	POTABLE WATER METER
	POTABLE BACKFLOW PREVENTER
	POTABLE WATER FLOW SENSOR
	POTABLE WATER MASTER VALVE

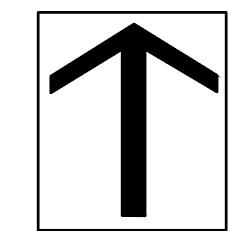
RECYCLED WATER IRRIGATED AREA (382,500 SF)

**VALVE BOX NOTE:**

1. CONTRACTOR TO REPLACE EXISTING LIDS OF IRRIGATION VALVE BOXES. VALVE BOX LID SHALL BE PURPLE AND HEAT BRANDED WITH REMOTE CONTROL VALVE STATION AND COMPONENT IDENTIFICATION.
2. CONTRACTOR TO ADJUST EXISTING VALVE BOXES TO GRADE PER VALLEY-WIDE STANDARD AND INSTALL RECYCLED WATER ID TAG.
3. ALL DAMAGED VALVE BOXES SHALL BE REPLACED WITH NEW PURPLE COLOR VALVE BOXES AND HEAT BRANDED LID AND INSTALL RECYCLED WATER ID TAG WITHIN EACH BOX.



MATCHLINE SEE INDEX MAP SHEET 2



0 25 50 75 100  
 SCALE: 1"=50'

**DIG ALERT**  
 Call: TOLL FREE 1-800-227-2600 OR 811  
 TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 VERTICAL DATUM: \_\_\_\_\_  
 HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	2-23-23

REVISIONS

DATE	BY	MARK	DESCRIPTION
3/24/23	JP		POC 67 POC RELOCATION

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_ MARK: \_\_\_\_\_ APPR. DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ ENGINEER DESCRIPTION EMWD POS ENGINEER

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT  
*John Wueth* SENIOR CIVIL ENGINEER 2/24/23  
 DATE

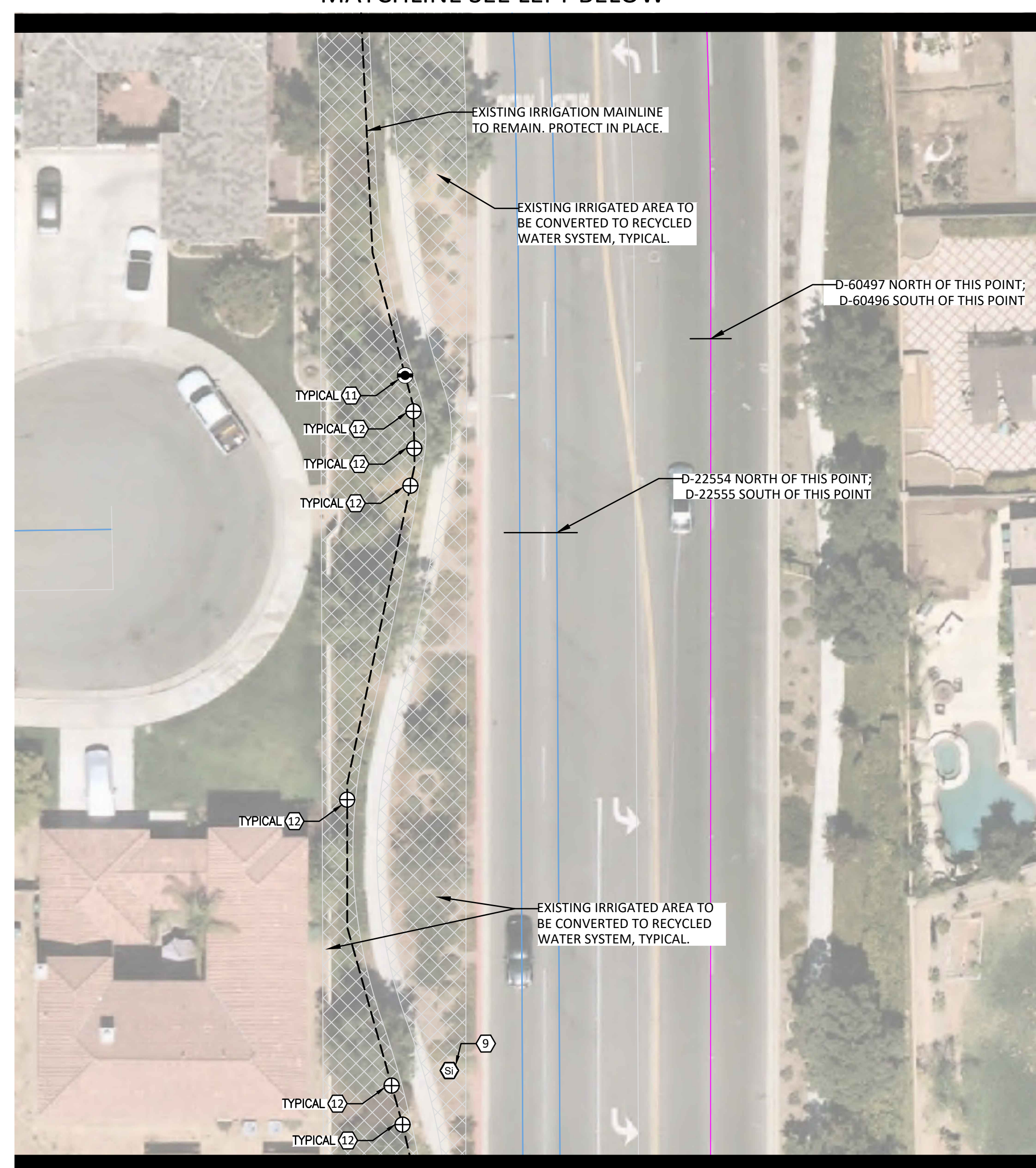
DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>Seu Aman</i>	2/24/23
OPERATIONS	<i>David Wueth</i>	2/24/23

VALLEY-WIDE RECREATION AND PARK DISTRICT  
 WINCHESTER, CA.  
 RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
 POC #67  
**INDEX MAP**

WO: 77443  
 PCWO: \_\_\_\_\_  
 DOPP: 14-A-03 RWUE: \_\_\_\_\_  
 COORD. 14-A-11 RWUP: \_\_\_\_\_  
 I.D. 98 SHT. 3 OF 10  
 S.A. 34 D-66674



MATCHLINE SEE TOP RIGHT



MATCHLINE SEE SHEET 5

**CONSTRUCTION LEGEND**

SYMBOL	DESCRIPTION
①	INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.
②	PROVIDE AND INSTALL NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL PER DETAIL.
③	PROVIDE AND INSTALL YARDNEY STRAINER MS3-1, SIZE: 3" WITH MAX. FLOW 225 GPM. INSTALL ABOVE GROUND WITH STAINLESS STEEL ENCLOSURE PER MANUFACTURER STANDARD AND DETAIL.
④	PROVIDE AND INSTALL BUCKNER SUPERIOR 3200 NORMALLY CLOSED MASTER VALVE (SIZE: 3") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.
⑤	PROVIDE AND INSTALL CALSENSE FLOW SENSOR FM-2B (SIZE: 2"). INSTALL PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.
⑥	PROVIDE AND INSTALL 1" BALL VALVE INSIDE ROUND PURPLE VALVE BOX.
⑦	PROVIDE AND INSTALL 4" CLASS 315 PVC PURPLE RECYCLED WATER IRRIGATION MAINLINE (24" DEEP MIN.) AND CONNECT TO EXISTING IRRIGATION POC AS SHOWN ON PLAN.
⑧	PROVIDE AND INSTALL 14GA. VALVE WIRES FOR MASTER VALVE AND P7162D PAIGE CABLE FOR FLOW SENSOR INSIDE A 1.5" PVC SCH 40 CONDUIT. INSTALL PULL BOX AT ANY CHANGE IN DIRECTION. CONNECT TO EXISTING IRRIGATION CONTROLLER.
⑨	PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.
⑩	NOT USED
⑪	REPLACE EXISTING QUICK COUPLER WITH NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL NEW PURPLE VALVE BOX PER DETAIL.
⑫	REPLACE ALL EXISTING IRRIGATION VALVE BOX'S LIDS ONLY WITH PURPLE RECYCLED WATER AND LABEL ACCORDINGLY.
⑬	EXISTING DOMESTIC IRRIGATION WATER METER TO BE REMOVED (BY OTHERS)
⑭	EXISTING BACKFLOW PREVENTER TO BE REMOVED. CUT AND CAP EXISTING LINE. REMOVE ALL UNUSED PIPE.
⑮	REMOVE EXISTING MASTER VALVE AND FLOW SENSOR. CUT AND CAP MAINLINE.
⑯	PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.

**IRRIGATION DRAWING NOTE:**

THIS RETROFIT PLANS ARE BASED ON IRRIGATION PLANS NOT PREPARED BY EMWD / EMWD REPRESENTATIVE. EMWD AND OR EMWD REPRESENTATIVES ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. IT ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS, EQUIPMENT, UTILITIES AND REQUIREMENTS.

**COLOR CODING**

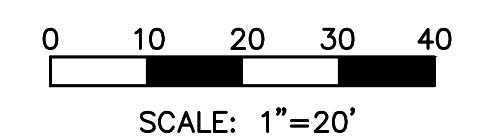
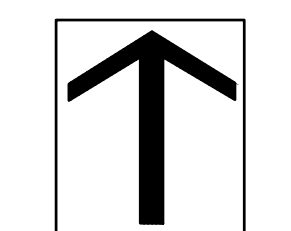
SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. VALVE BOX LIDS SHALL BE PURPLE PER INDUSTRY STANDARDS. THE LIDS SHALL HAVE THE WARNING "RECYCLED: DO NOT DRINK" IN ENGLISH AND SPANISH AND THE INTERNATIONAL "DO NOT DRINK" ON ONE SIDE AND "PELIGRO: AGUA IMPURA-NO BEBER" ON THE OPPOSITE SIDE. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS. ROTOR HEADS MAYBE PAINTED PURPLE WHEN REPLACEMENT CAPS OR COLLARS ARE NOT AVAILABLE. CONTRACTOR TO SUBMIT QUANTITIES, MANUFACTURER AND MODEL NUMBER OF THE HEAD TO EMWD FOR APPROVAL.

**POTABLE AND RECYCLED WATER SEPARATION NOTE**

RECYCLED MAINLINE (CONSTANT PRESSURE) SHOWN DIAGRAMMATICALLY FOR CLARITY ONLY. ACTUAL LOCATION MUST PROVIDE A MINIMUM FOUR (4) FEET HORIZONTAL CLEARANCE BETWEEN ALL POTABLE AND CONSTANT PRESSURE RECYCLED WATERLINES. RECYCLED WATER MAINLINE SHOULD BE INSTALLED UNDER POTABLE WATERLINES AND MAINTAIN ONE (1) FOOT OF VERTICAL CLEARANCE. WHERE THE RECYCLED WATER CONSTANT PRESSURE LINE MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A FOUR (4) INCH MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER PRESSURE LINE MUST BE INSTALLED IN A CONTINUOUS PVC CLASS 200 PIPE SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE WATERLINE.

**INSTALLATION NOTES**

THE MATERIALS AND THE INSTALLATION OF THE IRRIGATION SYSTEM SHOWN ON THIS PLAN SHALL MEET THE LATEST EMWD STANDARDS AND SPECIFICATIONS AT COMMENCEMENT OF WORK. IF CONTRACTOR NOTICES ANY INCONSISTENCIES WITH THE LATEST IRRIGATION DESIGN STANDARDS, ONE SHALL IMMEDIATELY NOTIFY ALL PARTIES.  
NO HOSE BIBS WILL BE ALLOWED FOR INSTALLATION ON SYSTEMS USING RECYCLED WATER.



**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

**BENCH MARK**

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	2-23-23

DATE: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

**REVISIONS**

DATE	BY	MARK	DESCRIPTION
3/24/23	JP	△	POC 67 POC RELOCATION

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 2/24/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>Saeu Aman</i>	2/24/23
OPERATIONS	<i>David Wueth</i>	2/24/23

DEPARTMENT: \_\_\_\_\_

OPERATIONS: \_\_\_\_\_

ENGINEERING: \_\_\_\_\_

POS ENGINEER: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

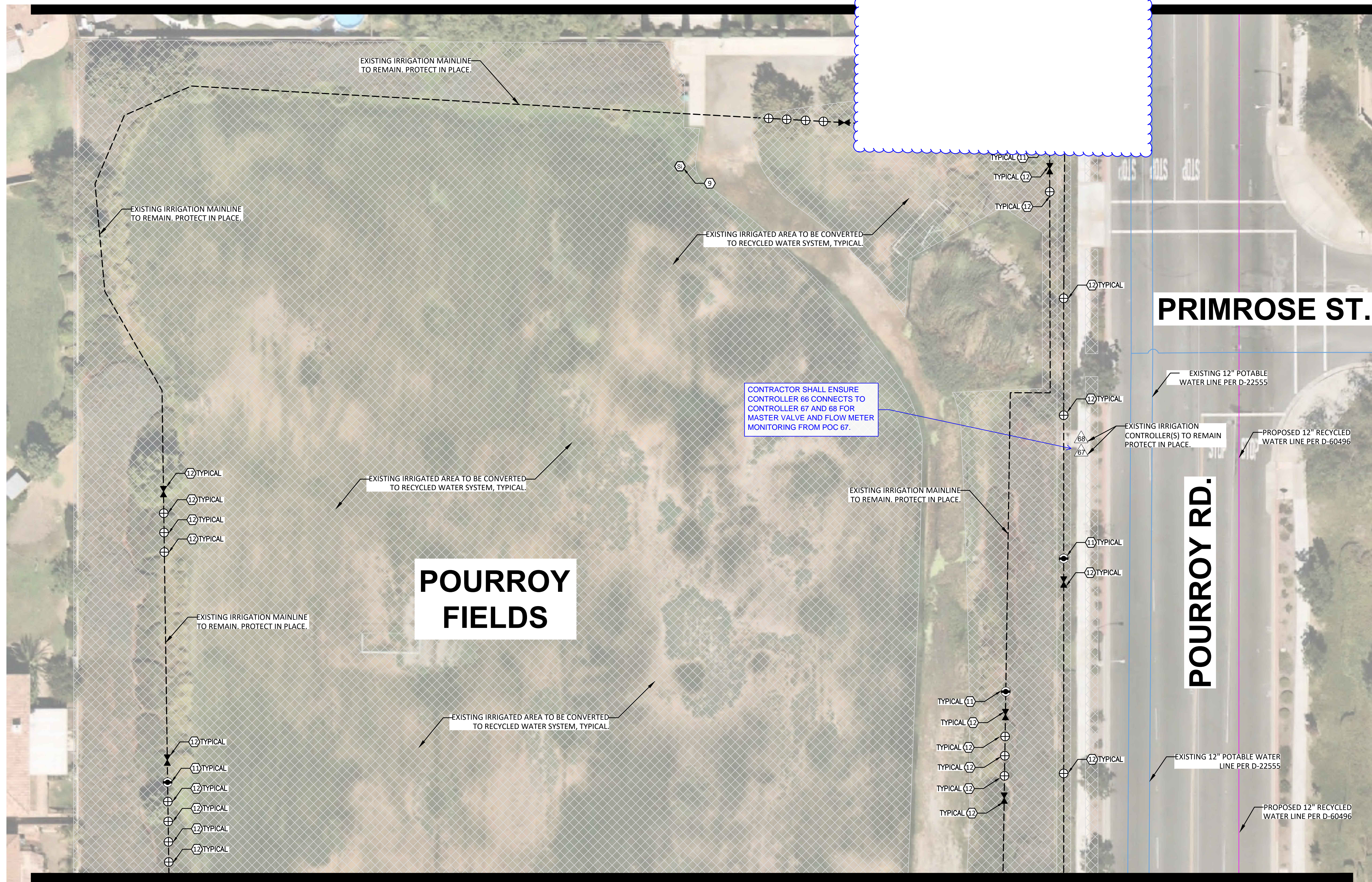
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #67

**IRRIGATION PLAN**

WO: 77443	PCWO: _____
DOPP: 14-A-03	RWUE: _____
COORD: 14-A-11	RWUP: _____
I.D. 98	SHT. 4 OF 10
S.A. 34	D-66675

MATCHLINE SEE SHEET 4



CONSTRUCTION LEGEND

SYMBOL	DESCRIPTION
①	INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.
②	PROVIDE AND INSTALL NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL PER DETAIL.
③	PROVIDE AND INSTALL YARDNEY STRAINER MS3-1, SIZE: 3" WITH MAX. FLOW 225 GPM. INSTALL ABOVE GROUND WITH STAINLESS STEEL ENCLOSURE PER MANUFACTURER STANDARD AND DETAIL.
④	PROVIDE AND INSTALL BUCKNER SUPERIOR 3200 NORMALLY CLOSED MASTER VALVE (SIZE: 3") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.
⑤	PROVIDE AND INSTALL CALSENSE FLOW SENSOR FM-2B (SIZE: 2"). INSTALL PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.
⑥	PROVIDE AND INSTALL 1" BALL VALVE INSIDE ROUND PURPLE VALVE BOX.
⑦	PROVIDE AND INSTALL 4" CLASS 315 PVC PURPLE RECYCLED WATER IRRIGATION MAINLINE (24" DEEP MIN.) AND CONNECT TO EXISTING IRRIGATION POC AS SHOWN ON PLAN.
⑧	PROVIDE AND INSTALL 14GA. VALVE WIRES FOR MASTER VALVE AND P7162D PAIGE CABLE FOR FLOW SENSOR INSIDE A 1.5" PVC SCH 40 CONDUIT. INSTALL PULL BOX AT ANY CHANGE IN DIRECTION. CONNECT TO EXISTING IRRIGATION CONTROLLER.
⑨	PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.
⑩	NOT USED
⑪	REPLACE EXISTING QUICK COUPLER WITH NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL NEW PURPLE VALVE BOX PER DETAIL.
⑫	REPLACE ALL EXISTING IRRIGATION VALVE BOX'S LIDS ONLY WITH PURPLE RECYCLED WATER AND LABEL ACCORDINGLY.
⑬	EXISTING DOMESTIC IRRIGATION WATER METER TO BE REMOVED (BY OTHERS)
⑭	EXISTING BACKFLOW PREVENTER TO BE REMOVED. CUT AND CAP EXISTING LINE. REMOVE ALL UNUSED PIPE.
⑮	REMOVE EXISTING MASTER VALVE AND FLOW SENSOR. CUT AND CAP MAINLINE.
⑯	PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.

MATCHLINE SEE SHEET 6

IRRIGATION DRAWING NOTE:

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COLOR CODING

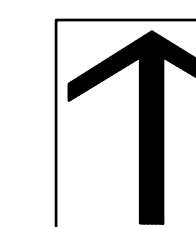
SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. VALVE BOX LIDS SHALL BE PURPLE PER INDUSTRY STANDARDS. THE LIDS SHALL HAVE THE WARNING "RECYCLED: DO NOT DRINK" IN ENGLISH AND SPANISH AND THE INTERNATIONAL "DO NOT DRINK" ON ONE SIDE AND "PELIGRO: AGUA IMPURA-NO BEBER" ON THE OPPOSITE SIDE. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS. ROTOR HEADS MAYBE PAINTED PURPLE WHEN REPLACEMENT CAPS OR COLLARS ARE NOT AVAILABLE. CONTRACTOR TO SUBMIT QUANTITIES, MANUFACTURER AND MODEL NUMBER OF THE HEAD TO EMWD FOR APPROVAL.

POTABLE AND RECYCLED WATER SEPARATION NOTE

RECYCLED MAINLINE (CONSTANT PRESSURE) SHOWN DIAGRAMMATICALLY FOR CLARITY ONLY. ACTUAL LOCATION MUST PROVIDE A MINIMUM FOUR (4) FEET HORIZONTAL CLEARANCE BETWEEN ALL POTABLE AND CONSTANT PRESSURE RECYCLED WATERLINES. RECYCLED WATER MAINLINE SHOULD BE INSTALLED UNDER POTABLE WATERLINES AND MAINTAIN ONE (1) FOOT OF VERTICAL CLEARANCE. WHERE THE RECYCLED WATER CONSTANT PRESSURE LINE MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A FOUR (4) INCH MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER PRESSURE LINE MUST BE INSTALLED IN A CONTINUOUS PVC CLASS 200 PIPE SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE WATERLINE.

INSTALLATION NOTES

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0 10 20 30 40  
SCALE: 1"=20'

**DIG ALERT**  
Call: TOLL FREE  
1-800-227-2600  
OR  
811  
TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK  
DESCRIPTION: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
VERTICAL DATUM: \_\_\_\_\_  
HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:  
VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	2-23-23

DATE: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

REVISIONS

DATE	BY	MARK	DESCRIPTION
3/24/23	JP	△	POC 67 POC RELOCATION

ACCEPTED BY:  
EASTERN MUNICIPAL WATER DISTRICT  
*John Wueth* 2/24/23  
SENIOR CIVIL ENGINEER DATE

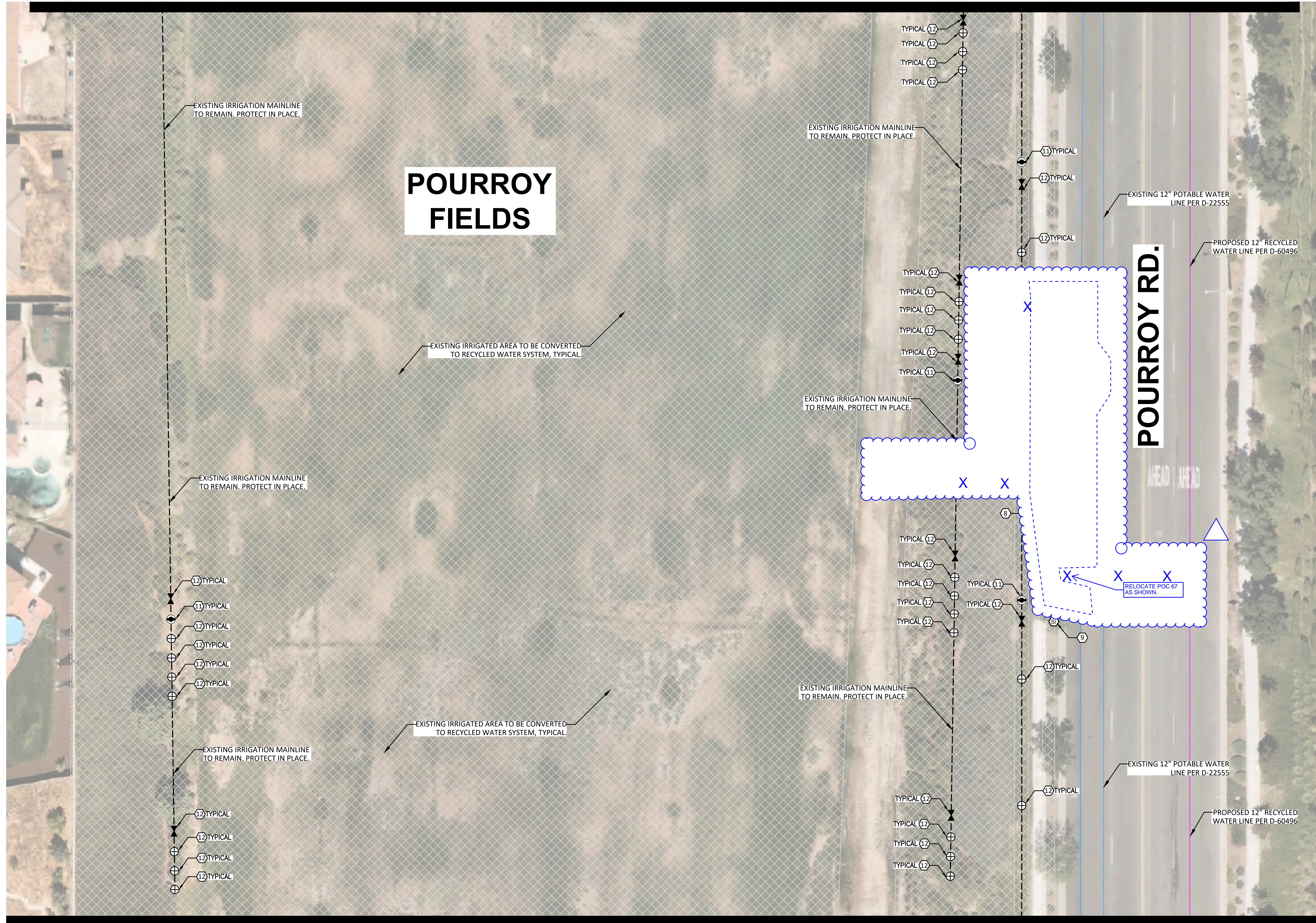
DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>Seru Aman</i>	2/24/23
OPERATIONS	<i>David Wueth</i>	2/24/23

ENGINEERING  
POS ENGINEER

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
RECYCLED WATER IRRIGATION RETROFIT  
IMPROVEMENTS  
POC #67  
IRRIGATION PLAN

WO: 77443  
PCWO: \_\_\_\_\_  
RWUE: \_\_\_\_\_  
DOPP: 14-A-03  
COORD. 14-A-11  
RWUP: \_\_\_\_\_  
I.D. 98 SHT. 5 OF 10  
S.A. 34 D-66676

MATCHLINE SEE SHEET 5



MATCHLINE SEE SHEET 7

CONSTRUCTION LEGEND

- | SYMBOL | DESCRIPTION   |
|--------|---|
| ①      | INSTALL NEW 2" RECYCLED WATER METER PER EMWD STANDARD PB-10. WATER METER WILL BE PROVIDED BY EMWD.  |
| ②      | PROVIDE AND INSTALL NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL PER DETAIL   |
| ③      | PROVIDE AND INSTALL YARDNEY STRAINER MCS3-1. SIZE: 3" WITH MAX. FLOW 225 GPM. INSTALL ABOVE GROUND WITH STAINLESS STEEL ENCLOSURE PER MANUFACTURER STANDARD AND DETAIL.   |
| ④      | PROVIDE AND INSTALL BUCKNER SUPERIOR 3200 NORMALLY CLOSED MASTER VALVE (SIZE: 3") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.   |
| ⑤      | PROVIDE AND INSTALL CALSENSE FLOW SENSOR FM-28 (SIZE: 2"). INSTALL PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.  |
| ⑥      | PROVIDE AND INSTALL 1" BALL VALVE INSIDE ROUND PURPLE VALVE BOX.  |
| ⑦      | PROVIDE AND INSTALL 4" CLASS 315 PVC PURPLE RECYCLED WATER IRRIGATION MAINLINE (24" DEEP MIN.) AND CONNECT TO EXISTING IRRIGATION POC AS SHOWN ON PLAN.   |
| ⑧      | PROVIDE AND INSTALL 14GA. VALVE WIRES FOR MASTER VALVE AND P7162D PAIGE CABLE FOR FLOW SENSOR INSIDE A 1.5" PVC SCH.40 CONDUIT. INSTALL PULL BOX AT ANY CHANGE IN DIRECTION. CONNECT TO EXISTING IRRIGATION CONTROLLER. |
| ⑨      | PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.  |
| ⑩      | NOT USED  |
| ⑪      | REPLACE EXISTING QUICK COUPLER WITH NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL NEW PURPLE VALVE BOX PER DETAIL  |
| ⑫      | REPLACE ALL EXISTING IRRIGATION VALVE BOX'S LIDS ONLY WITH PURPLE RECYCLED WATER AND LABEL ACCORDINGLY.   |
| ⑬      | EXISTING DOMESTIC IRRIGATION WATER METER TO BE REMOVED (BY OTHERS)  |
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| ⑯      | PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.   |

IRRIGATION DRAWING NOTE:

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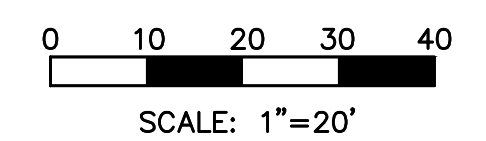
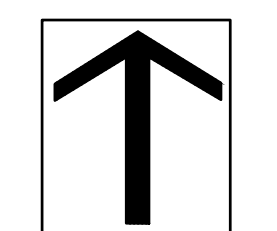
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811

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BENCH MARK  
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LOCATION: \_\_\_\_\_  
VERTICAL DATUM: \_\_\_\_\_  
HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:  
VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	2-23-23

REVISIONS

DATE	BY	MARK	DESCRIPTION
3/24/23	JP	△	POC 67 POC RELOCATION

ACCEPTED BY:  
EASTERN MUNICIPAL WATER DISTRICT

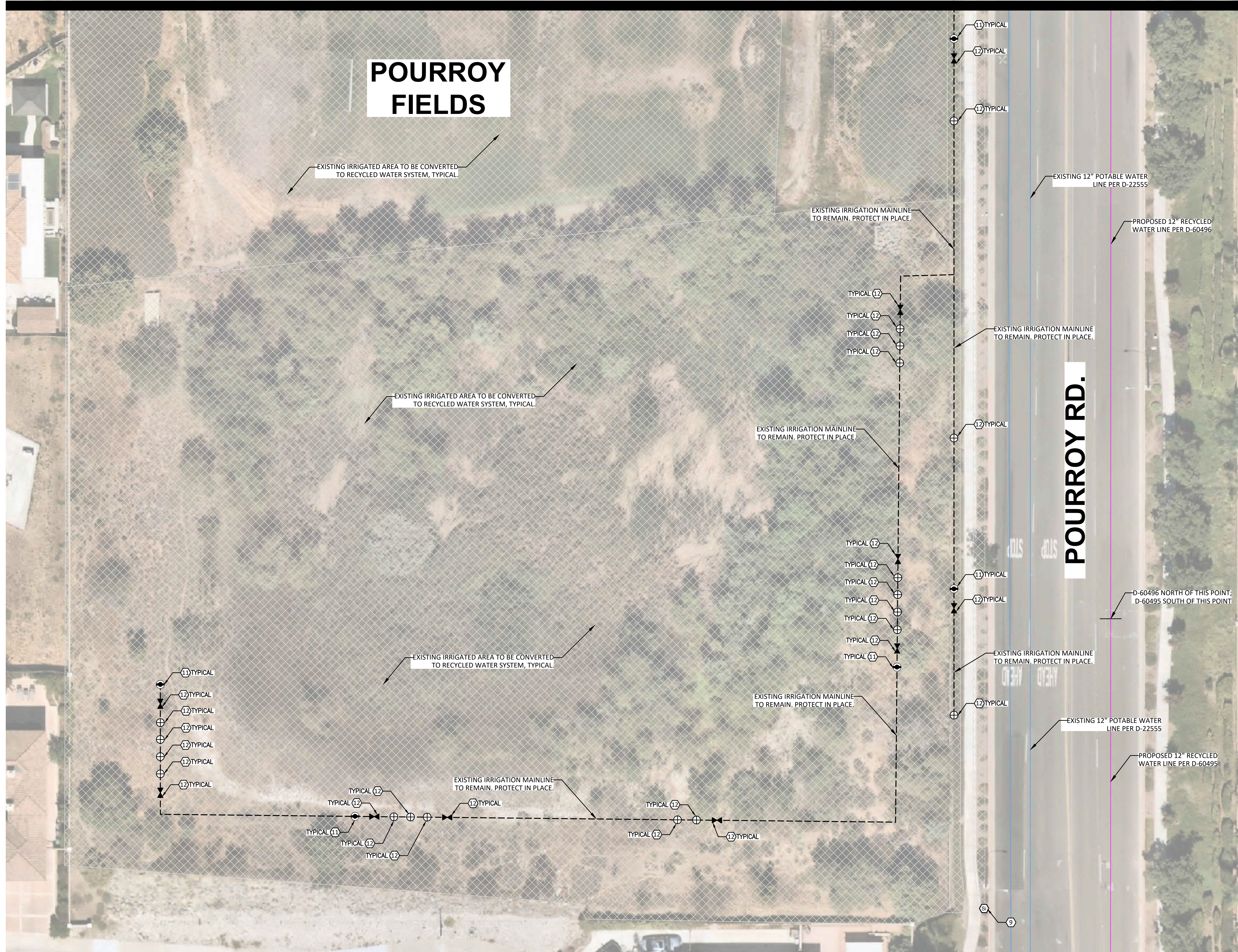
*John Wueth* 2/24/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>Sara Aman</i>	2/24/23
OPERATIONS	<i>David Wueth</i>	2/24/23

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
RECYCLED WATER IRRIGATION RETROFIT  
IMPROVEMENTS  
POC #67  
IRRIGATION PLAN

SH: 77443
PCWO: _____
ROWJ: _____
DOPP: 14-A-03
COORD: 14-A-11
RWUP: _____
I.D. 98
SHT. 6 OF 10
S.A. 34
D-6677

MATCHLINE SEE SHEET 6



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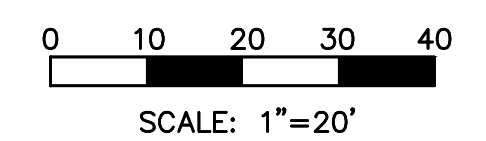
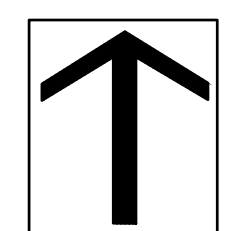
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**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	2-23-23

REVISIONS

NO.	DATE	BY	MARK	DESCRIPTION

ACCEPTED BY:

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 2/24/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	2/24/23
OPERATIONS	<i>[Signature]</i>	2/24/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT

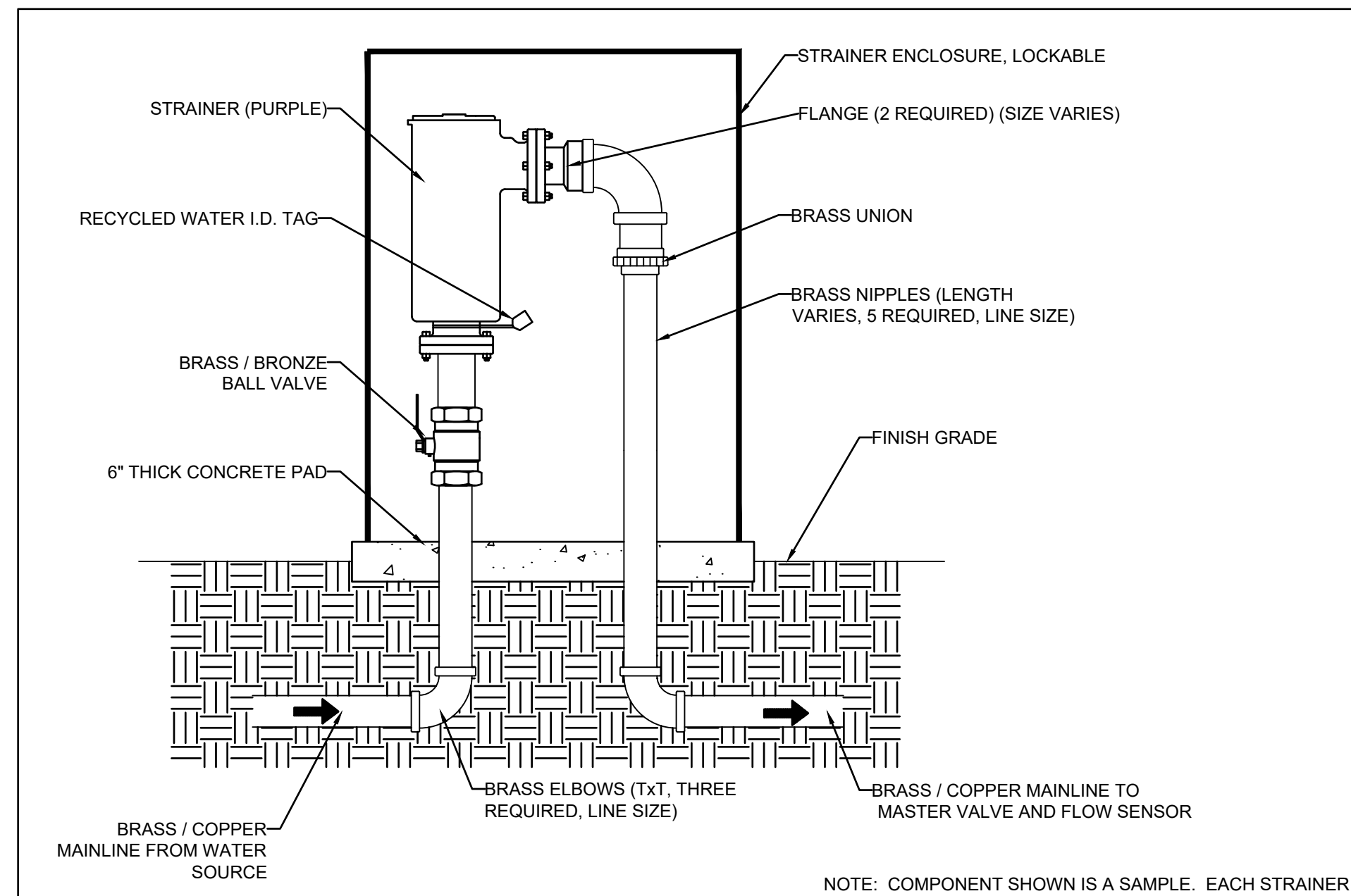
WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

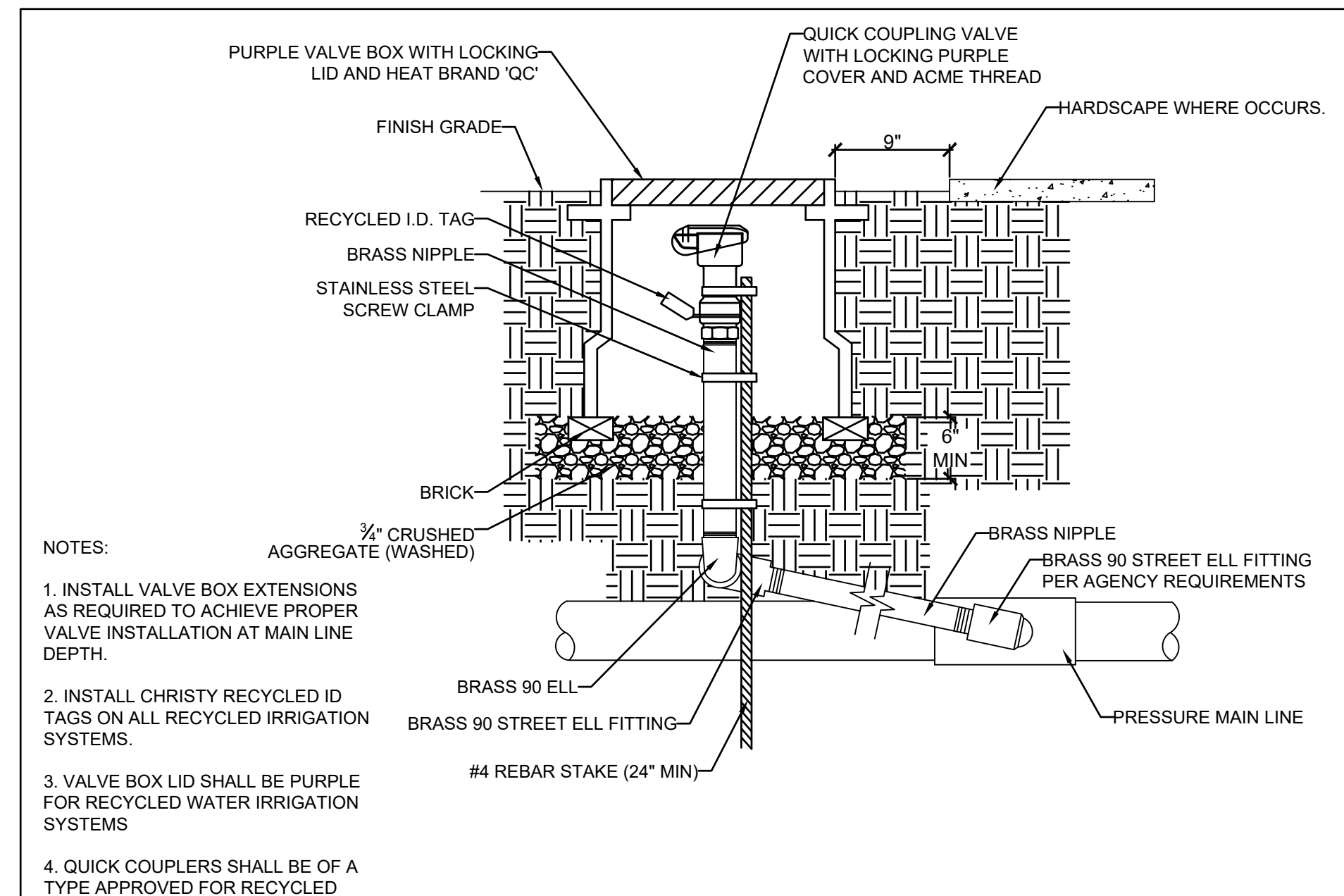
POC #67

**IRRIGATION PLAN**

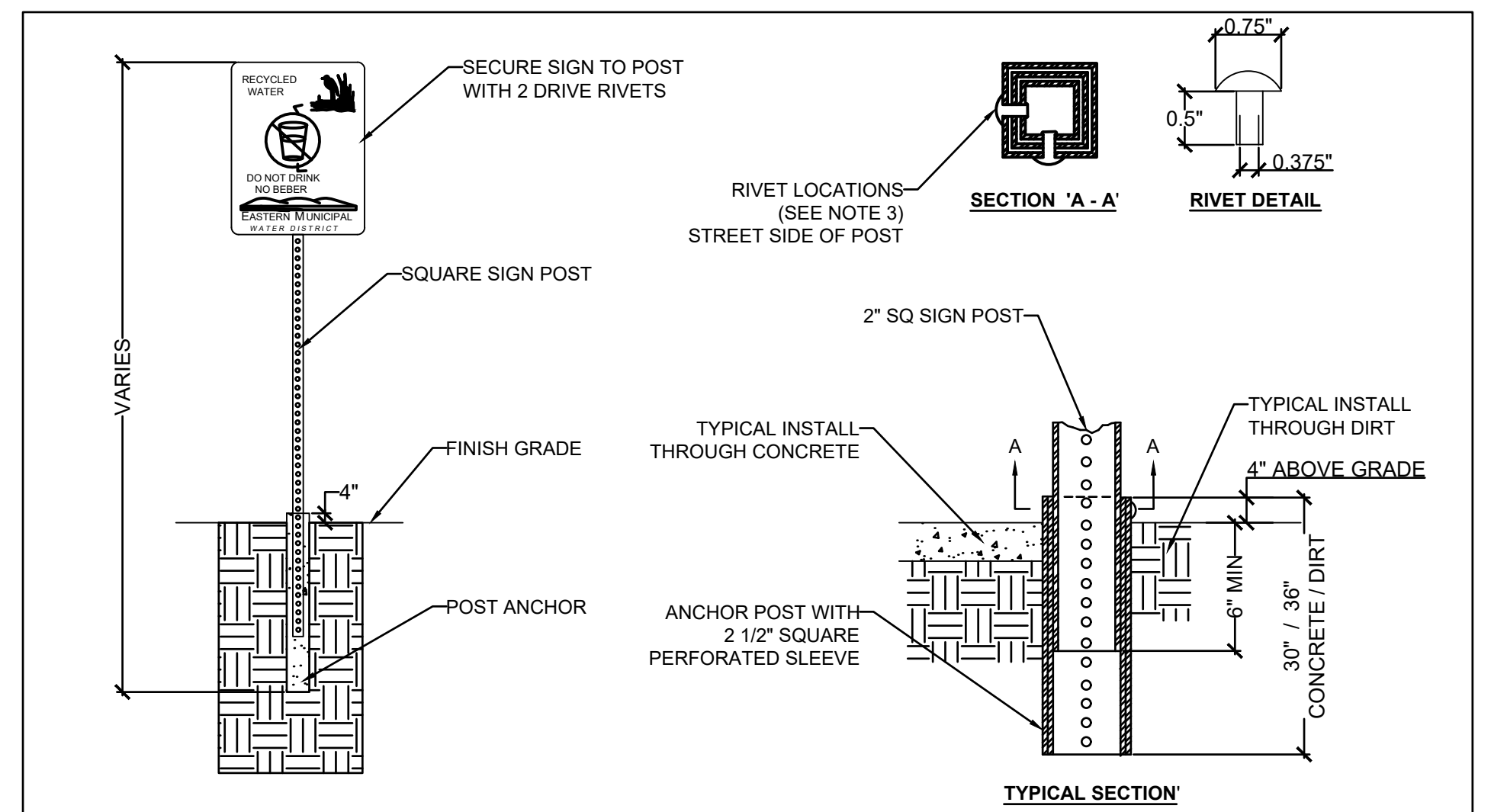
SW: 77443	PCWO:
DOPP: 14-A-03	RWUE:
COORD. 14-A-11	RWUP:
I.D. 98	SHT. 7 OF 10
S.A. 34	D-66678



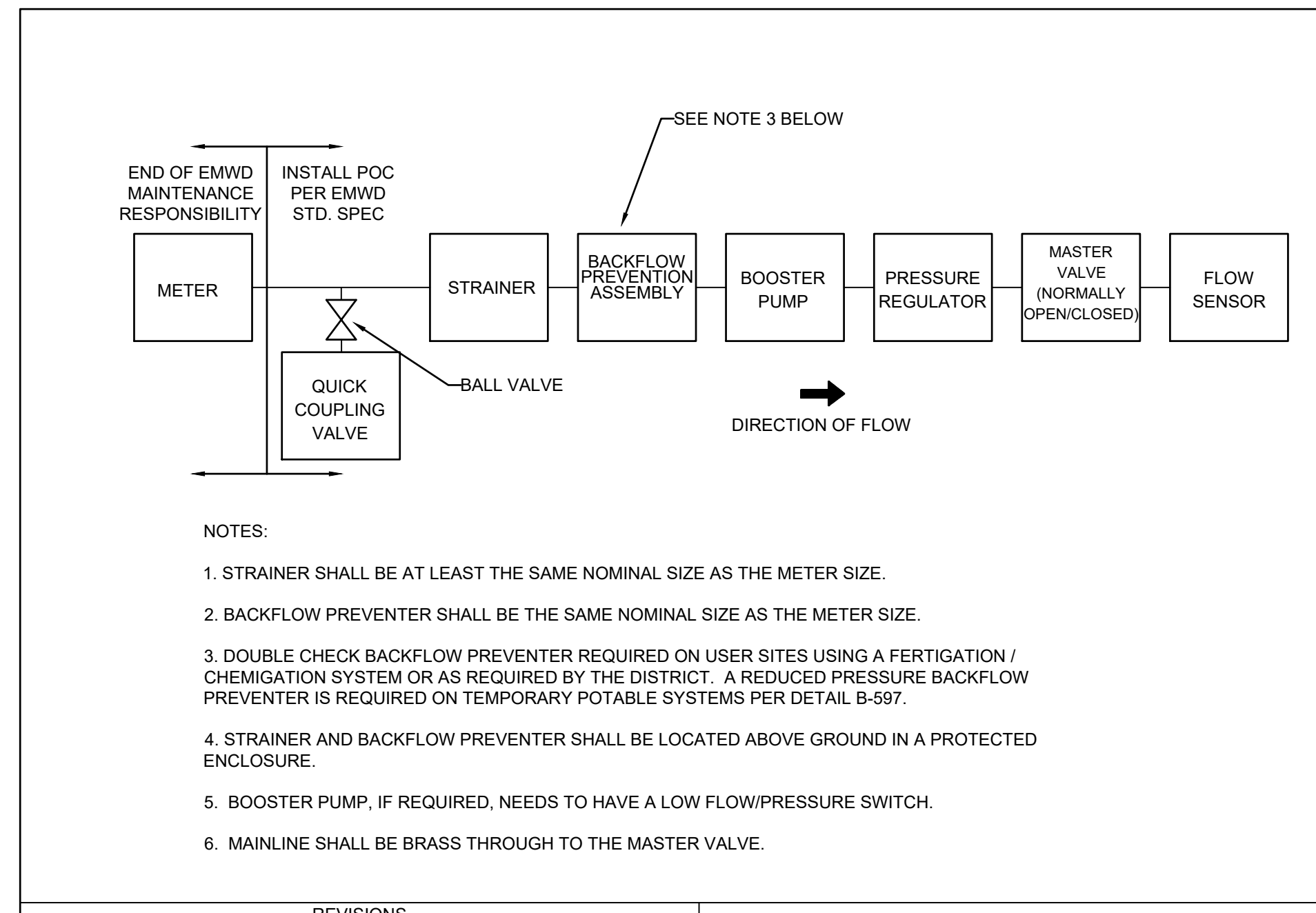
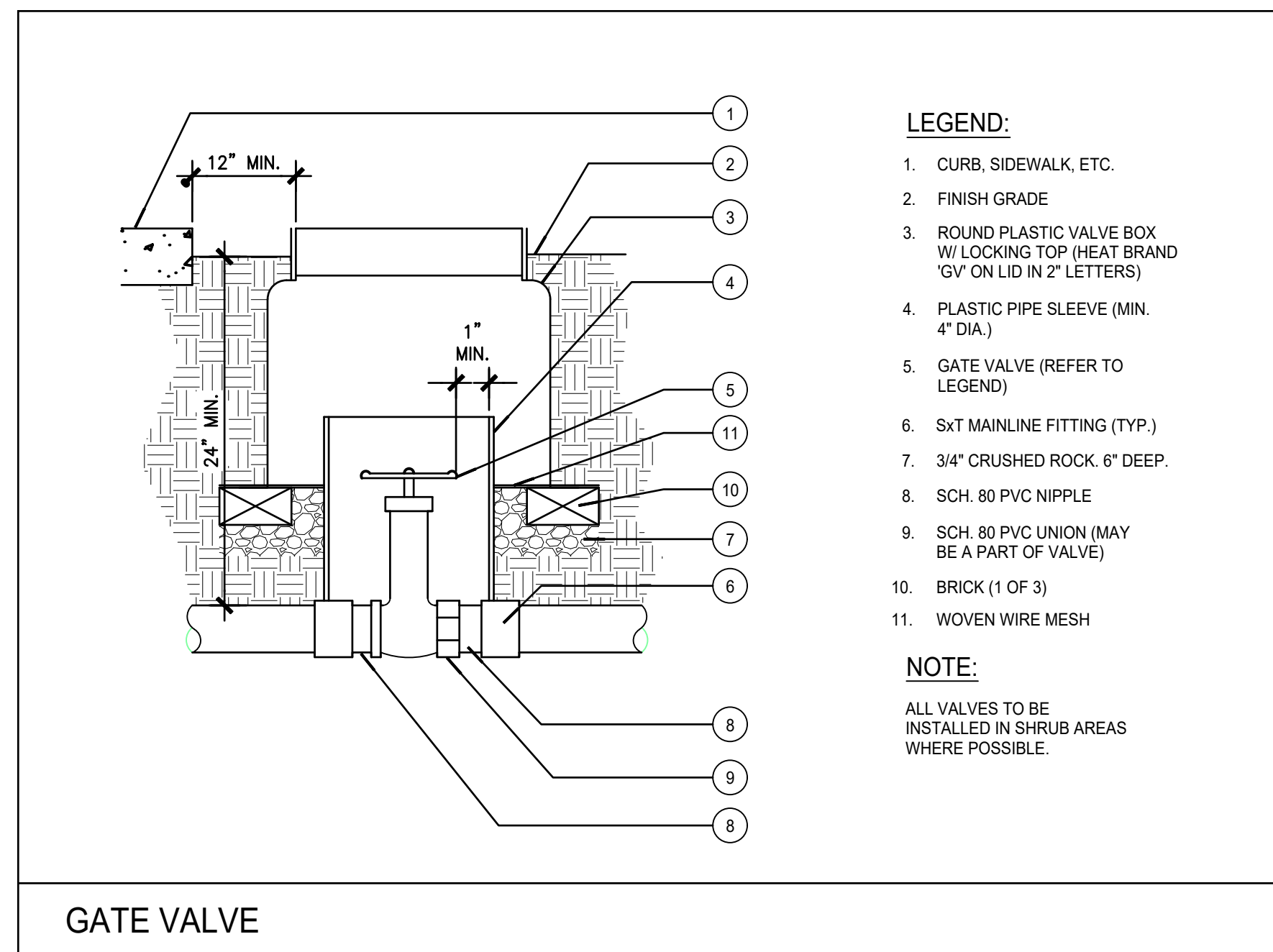
REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						STRAINER	A-005
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	



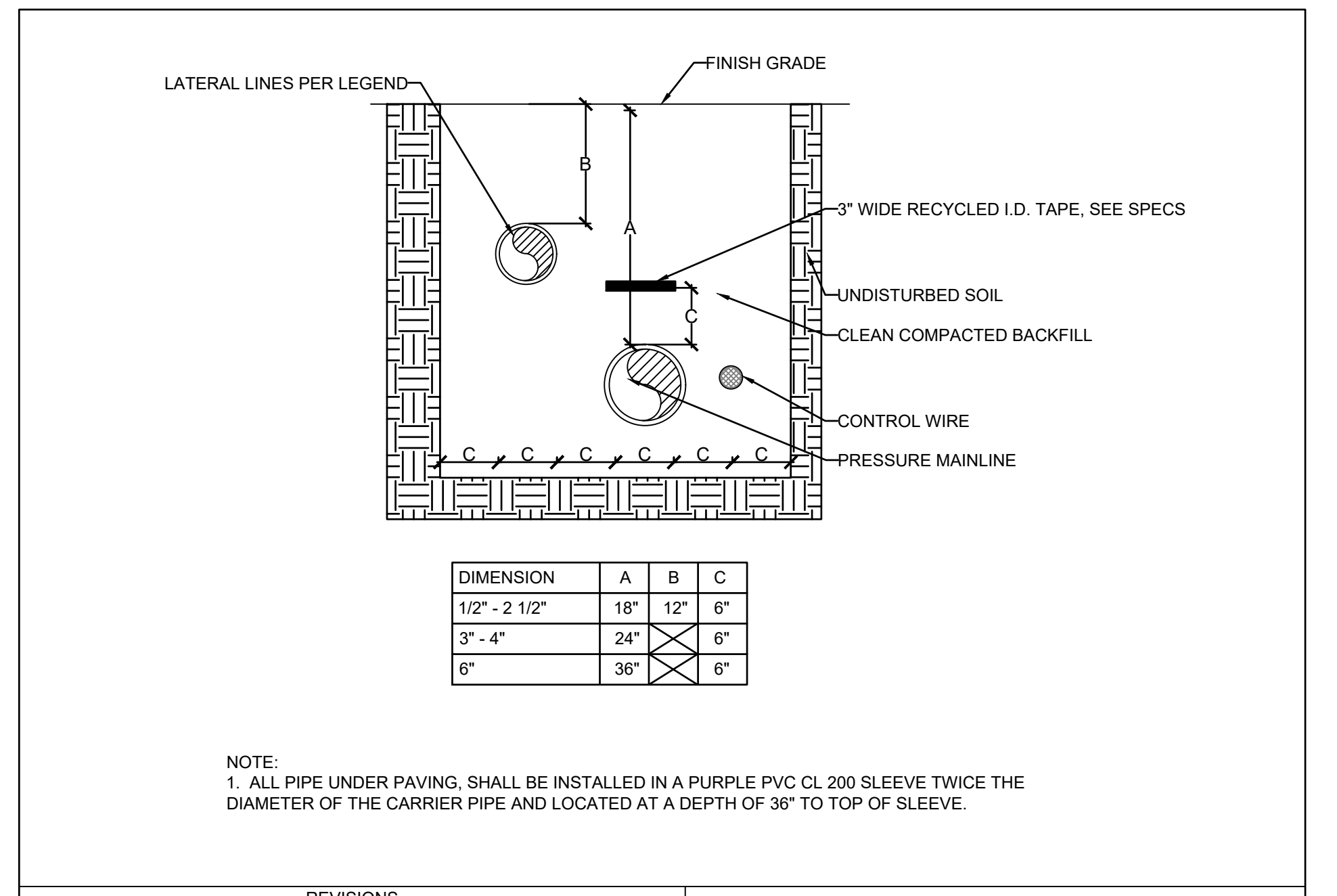
REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						QUICK COUPLING VALVE	A-007
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	



REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						RECYCLED WATER IRRIGATION ADVISORY SIGN	A-008
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	



REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						RECYCLED WATER POC SEQUENCE	A-002
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	



REVISIONS						EASTERN MUNICIPAL WATER DISTRICT	
DATE	BY	MARK	DESCRIPTION	APPR.	DATE		
						PIPE TRENCH	A-004
APPROVED: _____ DATE: _____						DATE PREPARED: 10-22-10 SCALE: 1" = 1'-0"	

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HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	2-23-23

DATE: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_ MARK: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ ENGINEER: \_\_\_\_\_ DESCRIPTION: \_\_\_\_\_

REVISIONS

DATE	BY	MARK	DESCRIPTION	APPR.	DATE

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 2/24/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	2/24/23
OPERATIONS	<i>[Signature]</i>	2/24/23

DEPARTMENT: \_\_\_\_\_ ACCEPTANCE: \_\_\_\_\_ DATE: \_\_\_\_\_

NEW BUSINESS P.C. OPERATIONS ENGINEERING POS ENGINEER

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #67

IRRIGATION DETAILS

WO: 77443

PCWO: \_\_\_\_\_

RWUE: \_\_\_\_\_

DOPP: 14-A-03

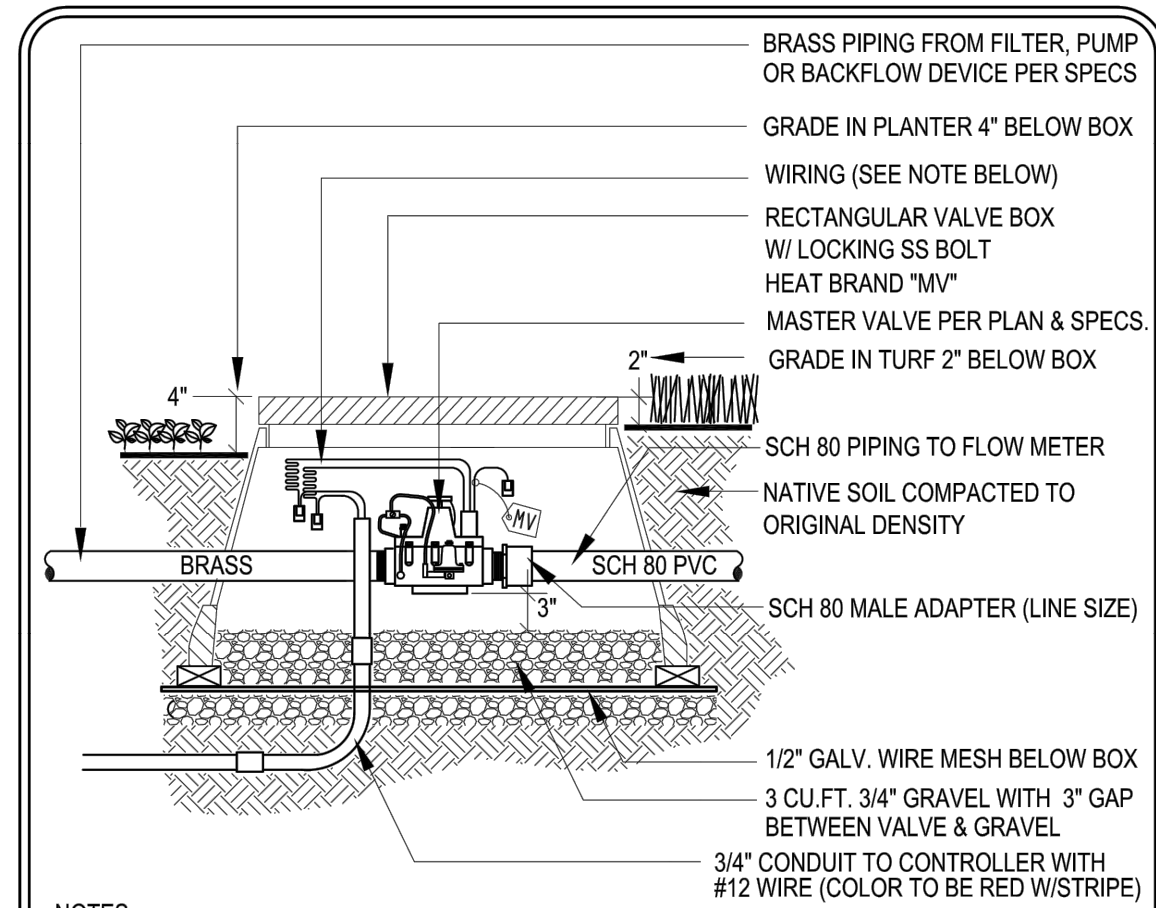
COORD: 14-A-11

RWUP: \_\_\_\_\_

I.D. 98 SHT. 8 OF 10

S.A. 34 D-66679





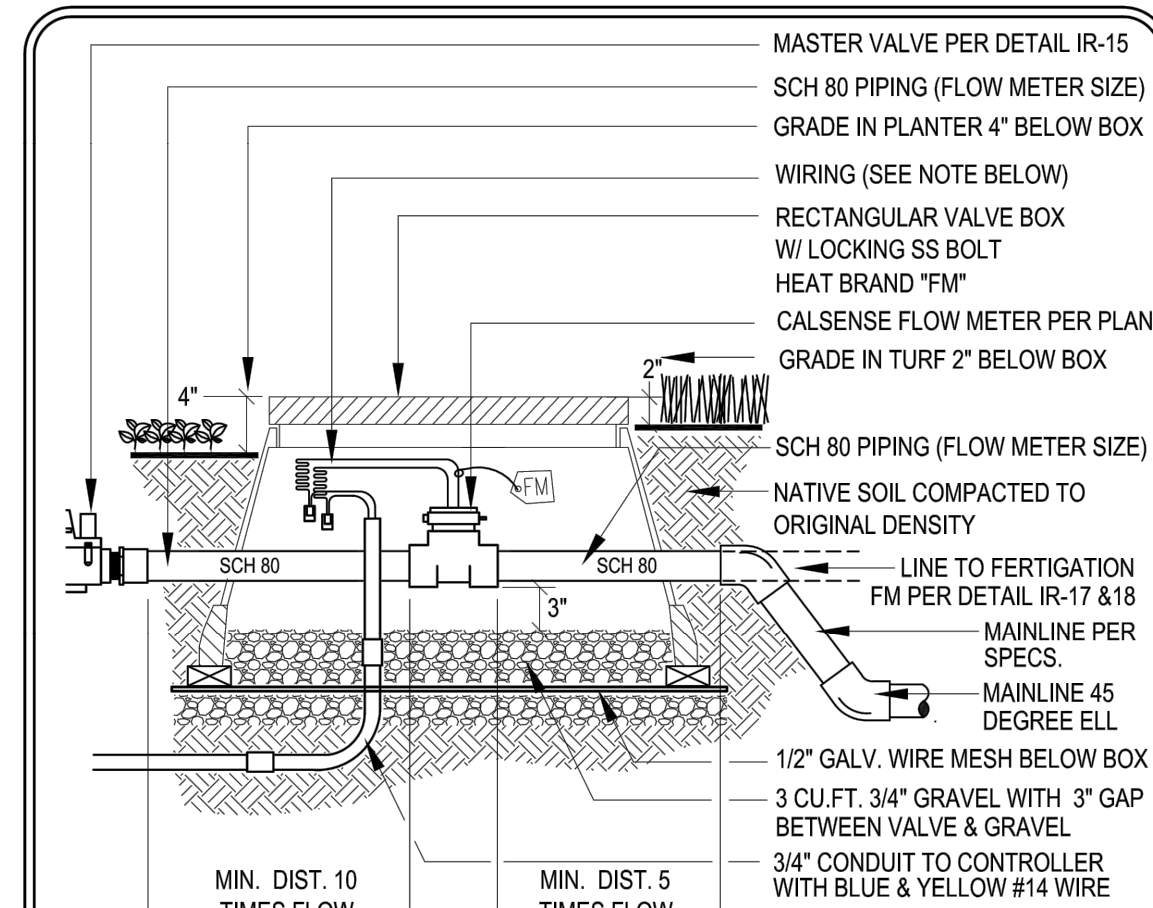
- NOTES:
1. ALL WIRING SHALL BE APPROVED BY THE DISTRICT PRIOR TO BACKFILL
  2. PROVIDE 24" LONG EXPANSION COILS AT EACH WIRE CONNECTION
  3. PROVIDE 4 EA. CONCRETE BRICKS UNDER VALVE BOX (TYP.)
  4. USE IRON DUCTILE FITTINGS FOR 4" & LARGER MAINLINE
  5. PROVIDE SEPARATE MASTER VALVE AND FLOW METER WHEN AN ADDITIONAL CONTROLLER IS SPECIFIED OR USE SINGLE MASTER VALVE AND FLOW METER WHEN THE "FL" OPTION IS USED FOR MULTIPLE CONTROLLERS AS APPROVED BY THE DISTRICT AND CALSENSE
  6. NEVER CONNECT SINGLE MASTER VALVES AND FLOW METERS TO BOTH CONTROLLERS
  7. PROVIDE BRASS PIPING IN LIEU OF SCH 80 PVC WHEN BRASS FLOW METER IS SPECIFIED
  8. SEAL WIRE CONNECTORS AND CONDUIT OPENING WITH HARDENING SEALANT PER SPECS.
  9. FLOW METERS 3" AND LARGER SHALL BE FLANGED. PROVIDE SPOOLS AND ADAPTERS AS REQ'D.
  10. MASTER VALVE SHALL BE STAINLESS STEEL W/PRESSURE REDUCING AND SURGE RELIEF OPTIONS

LD Consulting 2012 (Any deviation or reproduction of this design must be approved in writing by Valley-Wide Recreation & Park District)

**VALLEY-WIDE RECREATION & PARK DISTRICT**

MASTER CONTROL VALVE

IR-15  
REV. 2012



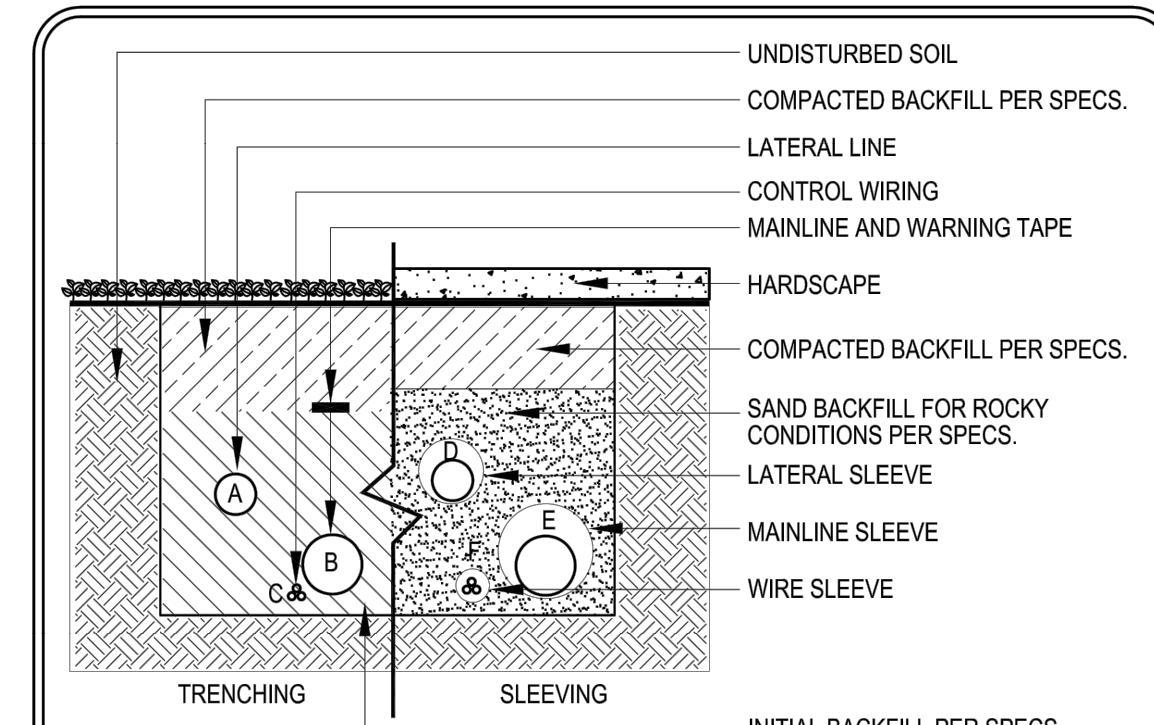
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  6. NEVER CONNECT SINGLE MASTER VALVES AND FLOW METERS TO BOTH CONTROLLERS
  7. PROVIDE BRASS PIPING IN LIEU OF SCH 80 PVC WHEN BRASS FLOW METER IS SPECIFIED
  8. SEAL WIRE CONNECTORS AND CONDUIT OPENING WITH HARDENING SEALANT PER SPECS.
  9. PIPING AFTER FLOW METER CAN RUN DIRECTLY TO FERTIGATION FLOW METER WHEN USED

LD Consulting 2012 (Any deviation or reproduction of this design must be approved in writing by Valley-Wide Recreation & Park District)

**VALLEY-WIDE RECREATION & PARK DISTRICT**

FLOW METER

IR-16  
REV. 2012



INITIAL BACKFILL PER SPECS.

DEPTH	A	B	C	D	E	F
4" & LARGER	-	30"	30"	36"	36"	36"
3" & SMALLER	18"	24"	24"	30"	36"	36"
2-1/2" & SMALLER	12"	24"	24"	24"	30"	30"
WIRING	-	-	BELOW MAIN	-	-	BELOW MAIN

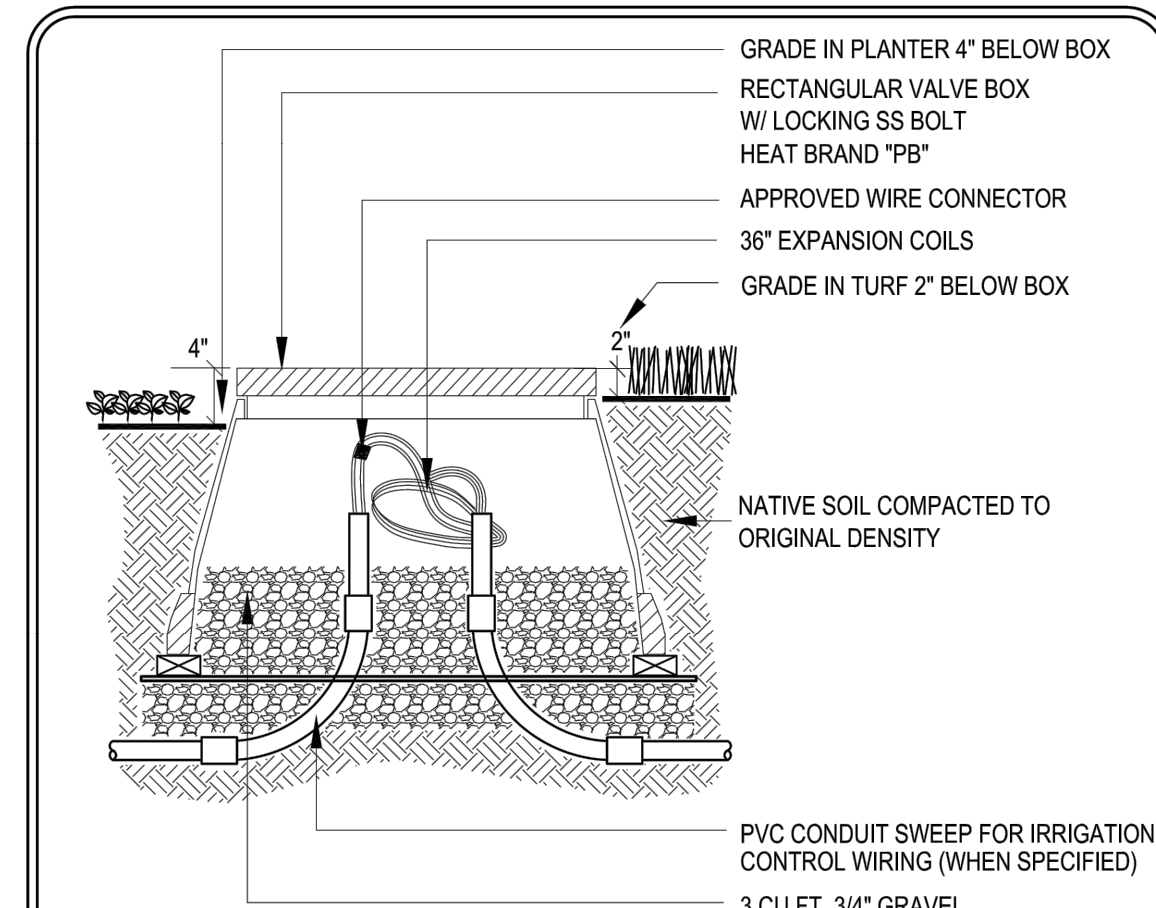
- NOTES:
1. LINES MUST HAVE MIN. CLEARANCE OF 4" FROM EACH OTHER & 24" FROM OTHER TRADES
  2. RUN WIRING UNDER MAINLINE TAPE & BUNDLE @ 10' O.C.
  3. PROVIDE A 24" LOOP IN ALL WIRING AT CHANGES IN DIRECTION
  4. ALL SLEEVES MUST BE 2 TIMES THE DIAMETER OF THE PIPE WITHIN
  5. ALL SLEEVES MUST HAVE FOAM AT PIPE OPENING TO PREVENT DIRT ENTRY
  6. ALL SLEEVES MUST EXTEND 12" MIN. DISTANCE PAST CURB OR SIDEWALK
  7. CONTRACTOR MUST ADJUST MAINLINE AROUND ALL STREET LIGHT LOCATIONS

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**VALLEY-WIDE RECREATION & PARK DISTRICT**

TRENCHING & SLEEVING

IR-23  
REV. 2012



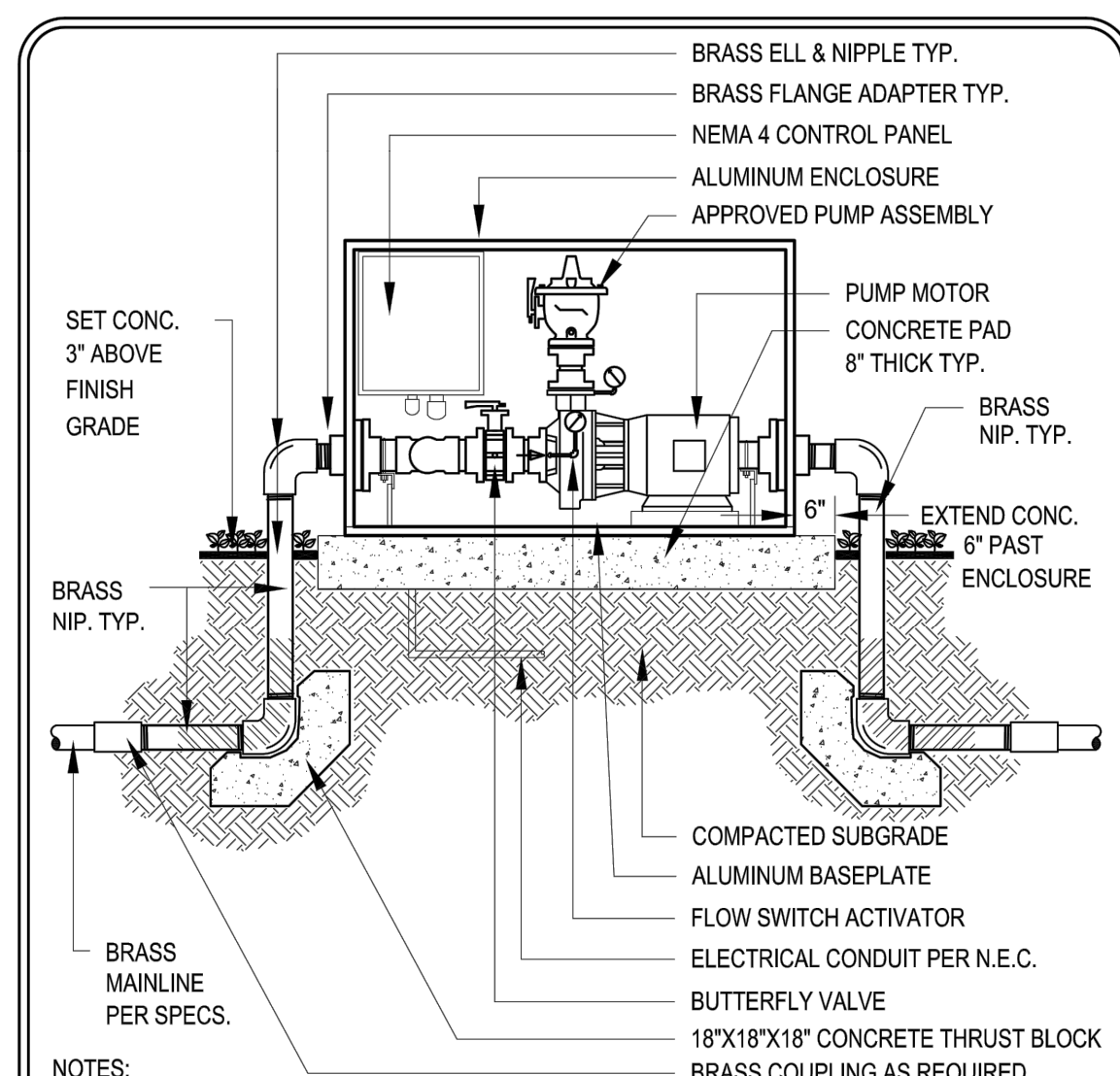
- NOTES:
1. ALL WIRING MUST CONFORM TO LOCAL CODES
  2. PROVIDE 24" EXPANSION COILS AT EACH WIRE CONNECTION
  3. PROVIDE 3" CLEARANCE BETWEEN WIRES & BOX
  4. EPOXY ALL GAPS BETWEEN WIRE AND CONDUIT AT EXPOSED SWEEP ENDS
  5. PROVIDE 4 EA. CONCRETE BRICKS UNDER VALVE BOX (TYP.)
  6. NO WIRE SPLICES SHALL BE ALLOWED UNLESS APPROVED BY THE DISTRICT
  7. ALL SPARE WIRES FOR END OF RUN SHALL BE IN A PULL BOX TYP. AND SHALL BE LABELED IN BOX AND AT CONTROLLER
  8. PROVIDE PULL BOX FOR ALL WIRE SPLICES FOR RUNS OVER 2500 FEET OR AS APPROVED

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**VALLEY-WIDE RECREATION & PARK DISTRICT**

PULL BOX

IR-27  
REV. 2012



- NOTES:
1. BOOSTER PUMP SHALL BE PRE-ASSEMBLED BY BARRETT ENGINEERED PUMPS
  2. ALL PIPING OVER 4" SHALL BE FLANGED
  3. WRAP ALL PIPING WHERE CONCRETE OCCURS
  4. REFER TO PLANS FOR PROJECT SPECIFIC MODEL NUMBERS AND NOTES
  5. INSTALL FERTIGATION WIRING, PUMP AND CONTROLS PER DETAILS IR-17 & 18 AND FERTIGATION MANUFACTURER REQUIREMENTS

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**VALLEY-WIDE RECREATION & PARK DISTRICT**

BOOSTER PUMP

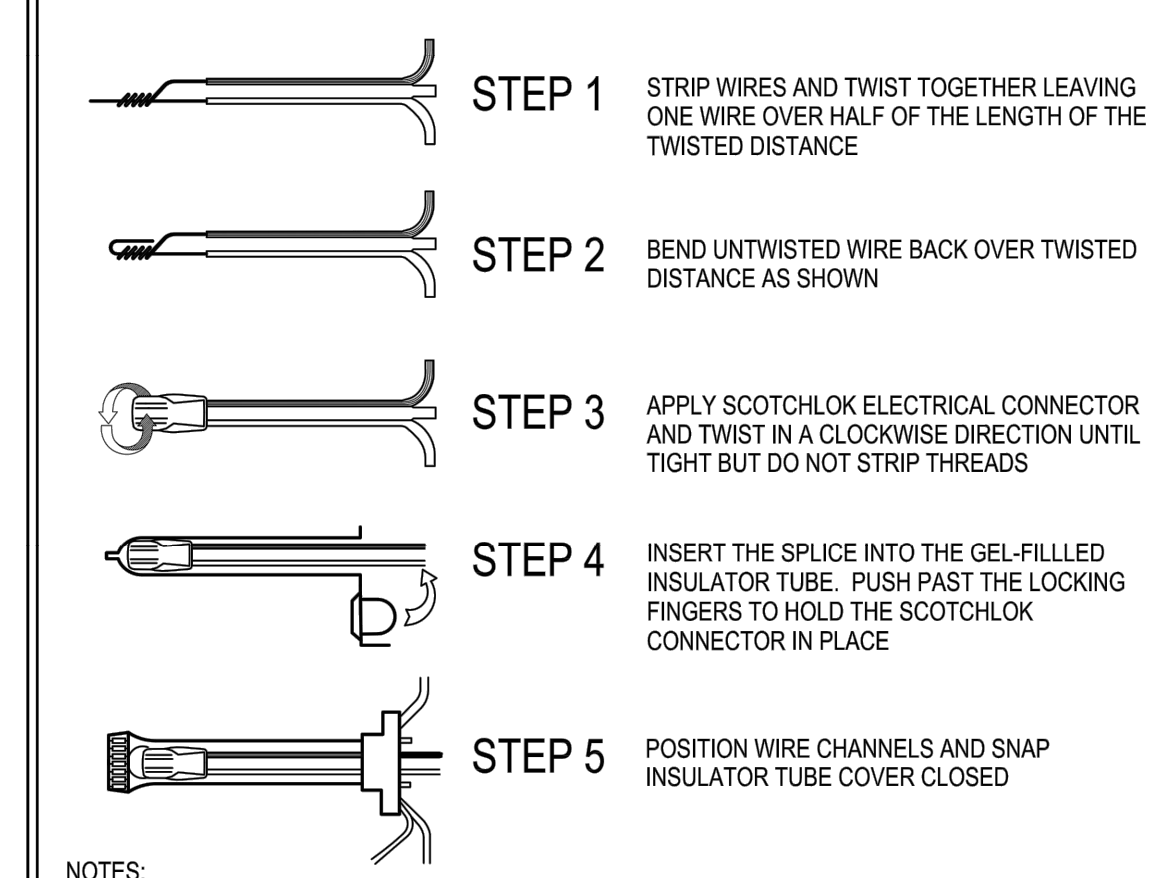
IR-14  
REV. 2012

**KEYNOTE LEGEND**

1. CLOSE-COUPLED END SUCTION CENTRIFUGAL PUMP, CAST IRON BRONZE FITTED, BACK PULLOUT DESIGN, MECHANICAL SEAL, ODP MOTOR.
2. NEMA 4 ENCLOSED CONTROL PANEL, WITH CIRCUIT BREAKER, MAGNETIC STARTER, HOA SWITCH, AND COMPONENTS FOR AUTOMATIC BOOSTER PUMP CONTROL.
3. MARINE GRADE ALUMINUM ENCLOSURE, TOP HINGED DESIGN WITH VENTING.
4. CAST IRON ELASTOMER LINED FULL LUG WAFER STYLE BUTTERFLY VALVE.
5. PRESSURE GAUGE, 2 1/2" DIAL, LIQUID FILLED, STAINLESS CASE, 0 - 200 PSI.
6. FLOW SWITCH, THERMAL DISPERSION, 150 PSI RATED.
7. 2 1/2 or 3 INCH TYPE 304 STAINLESS STEEL.
8. 150# ANSI RATED STAINLESS OUTPUT FLANGE.
9. FABRICATED STRUCTURAL ALUMINUM BASEPLATE.
10. 6" THICK CONCRETE PAD SET 2" ABOVE FINISH GRADE. USE #5 BAR 18" O.C. BOTH WAYS AT MID-DEPTH. CONCRETE MIX TO BE PER STRUCTURAL REQUIREMENTS.
11. DOUBLE WRAP WITH 20 MIL PIPE WRAP TAPE.
12. COMPANION FLANGE CONNECTION.
13. THRUST BLOCK OR JOINT RESTRAINT (BY OTHERS)
14. MAIN POWER CONDUIT.
15. IRRIGATION CONTROLLER SIGNAL CONDUIT.
16. CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL INLET AND OUTLET PIPING; BRASS OR CAST IRON (4) 1/2" DIA. KB-TZ SS 304, 2" MIN EMBEDMENT. INSTALL PER ICC-ESR 1917 TYP. EACH CORNER.

**BARRETT ENGINEERED PUMPS**

SIZE: VALLEY WIDE POC #38 47 52 67 & 85 Detail  
SCALE: SHEET: IBH-LF-2.dwg



- NOTES:
1. PROVIDE BLUE SEALANT IN ADDITION TO PRE-FILLED CONNECTOR
  2. PROVIDE WIRE CONNECTORS FOR ALL CONTROL WIRE SPLICES
  3. PROVIDE WIRE CONNECTORS AT ENDS OF ALL EXTRA WIRES
  4. WIRE SPLICES SHALL BE INSIDE VALVE BOXES AT VALVES OR FOR RUNS OVER 2500 FEET
  5. PROVIDE #12 CONTROL WIRE & #10 COMMON WIRE FOR RUNS OVER 2500 FEET
  6. SOLDER WIRE SPLICES FOR MASTER VALVE AND FLOW METER CONNECTIONS
  7. WIRE CONNECTORS SHALL BE 3M DBR-6 PER SPECS OR APPROVED EQUAL
  8. INSTALL WIRING PER DETAIL LC-23

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**VALLEY-WIDE RECREATION & PARK DISTRICT**

WIRE CONNECTORS

IR-28  
REV. 2012

**DIG ALERT**

Call: TOLL FREE 1-800-227-2600 OR 811

TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	2-23-23

REVISIONS

DATE	BY	MARK	DESCRIPTION

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT

*John Wueth* 2/24/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>Saru Aman</i>	2/24/23
OPERATIONS	<i>David Wueth</i>	2/24/23

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #67

IRRIGATION DETAILS

WO: 77443

PCWO: \_\_\_\_\_

DOPP: 14-A-03 RWUJ: \_\_\_\_\_

COORD. 14-A-11 RWUP: \_\_\_\_\_

I.D. 98 SHT. 9 OF 10

S.A. 34 D-66680



# VALLEY-WIDE RECREATION AND PARK DISTRICT

## RECYCLED WATER RETROFIT PLAN

### FOR

### POC # 70 (POURROY RD. AND SKYVIEW RD.)

### CITY OF WINCHESTER, CALIFORNIA

EMWD WO# 77444

#### SHEET INDEX

- 1 COVER SHEET
- 2 INDEX MAP
- 3 INDEX MAP
- 4 IRRIGATION PLAN
- 5 IRRIGATION PLAN
- 6 IRRIGATION PLAN
- 7 IRRIGATION PLAN
- 8 IRRIGATION PLAN
- 9 IRRIGATION DETAILS
- 10 IRRIGATION DETAILS
- 11 IRRIGATION SPECIFICATIONS

#### EMWD STANDARD RECYCLED WATER IRRIGATION PLAN NOTES

1. THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EMWD RECYCLED WATER IRRIGATION GUIDELINES, AND EMWD STANDARDS AND SPECIFICATIONS.
2. THE USE OF RECYCLED WATER SHALL ADHERE TO CDPH TITLE 22, DIVISION 4, CHAPTER 3 OF THE CALIFORNIA CODE OF REGULATIONS AND THE CURRENT RULES, ORDINANCES, REGULATIONS OF EMWD.
3. EMWD REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EMWD FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.
4. THE EASTERN MUNICIPAL WATER DISTRICT OPERATION DEPARTMENT SHALL BE NOTIFIED TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (951) 679-3222. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
5. WHEN POTABLE WATER IS ONSITE, THE CDPH TITLE 22 REQUIRES A CROSS CONNECTION SHUTDOWN TEST TO PRECEDE THE FINAL RELEASE OF THE IRRIGATION SYSTEM. THIS TEST WILL BE CONDUCTED BY EMWD.
6. THE RECYCLED WATER IRRIGATION PLAN IS A "LIVING" DOCUMENT OF RECORD THAT SHALL BE UPDATED IF THE PROJECT CONDITIONS, THE SITE PLAN, FACILITIES, IRRIGATED AREA, IRRIGATION DEMAND, OR DATA RELATIVE TO THE SITE CHANGES ONCE IT VARIES FROM THE ACCEPTED PLAN. DELTA REVISIONS OF THE PLAN SHALL BE AS DEEMED NECESSARY BY EMWD TO MAINTAIN ACCURATE DOCUMENT RECORDS OF THE PROJECT SITE AND LANDSCAPE IRRIGATION INSTALLATION.
7. ANY PROPOSED CHANGES TO A SYSTEM DURING CONSTRUCTION MUST BE SUBMITTED TO EMWD FOR AUTHORIZATION OF THE CHANGES PRIOR TO THE CHANGE BEING MADE IN THE FIELD.
8. UPON FINAL ACCEPTANCE OF AN IRRIGATION SYSTEM ANY FUTURE MODIFICATIONS MUST BE APPROVED THROUGH EMWD PRIOR TO THE START OF CONSTRUCTION.
9. ALL PUBLIC AND PRIVATE POTABLE WATER MAINS INCLUDING FIRE MAINS, ANY WATER WELLS AND/OR WATER COURSES WITHIN THE RECYCLED WATER PROJECT SHALL BE SHOWN ON THE PLANS.
10. DURING CONSTRUCTION, ALL RECYCLED IRRIGATION SYSTEMS SHALL BE CONNECTED TO A TEMPORARY POTABLE WATER SOURCE AT A T-METER CONNECTION TO A PUBLIC FIRE HYDRANT AS APPROVED BY EMWD. THIS CONNECTION WILL SERVE THE IRRIGATION SYSTEM WITH POTABLE WATER UNTIL THE METER IS RELEASED AT PROJECT APPROVAL. ALL TEMPORARY POTABLE CONNECTIONS FOR CONSTRUCTION OR IRRIGATION MUST BE HI-LINED THROUGH A T-METER AND AN APPROVED ABOVE GROUND REDUCED PRESSURE (RP) PRINCIPAL BACKFLOW DEVICE WITHIN 5 FEET OF METER. NO PURPLE COLORED PIPING OR APPURTENANCES SHALL BE CONNECTED TO ANY POTABLE WATER SOURCE.
11. REDUCED PRESSURE (RP) PRINCIPAL BACKFLOW DEVICES MUST BE APPROVED AND TESTED BY AN EMWD APPROVED BACKFLOW TESTER (A LIST OF APPROVED TESTERS ARE AVAILABLE UPON REQUEST).
12. CROSS CONNECTIONS BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED. FINES MAY BE LEVIED.
13. INTERCONNECTION OF IRRIGATION PRESSURE SUPPLY MAINLINES ORIGINATING FROM MORE THAN ONE METER IS STRICTLY PROHIBITED.
14. NO PONDING, RUNOFF OR OVERSPRAY IS PERMITTED. ADJUST ALL SPRINKLER HEADS TO MINIMIZE OVERSPRAY ONTO SIDEWALKS, STREETS, DRINKING FOUNTAINS, DECORATIVE FOUNTAINS, COMFORT STATIONS, PLAYGROUND EQUIPMENT, PICNIC TABLES, BBQ, PRIVATE LOTS, POTABLE WATER AREAS AND EQUIPMENT, FOOD PREPARATION, OUTDOOR EATING AREAS, OR NON-DESIGNATED USE AREAS MUST NOT BE SUBJECT TO RECYCLED WATER OVERSPRAY, WINDBLOWN SPRAY, RUNOFF, PONDING, OR UNAUTHORIZED USE. LACK OF PREVENTION, WHETHER BY DESIGN, CONSTRUCTION PRACTICE, OR SYSTEM OPERATION, IS STRICTLY PROHIBITED.
15. HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER SYSTEMS. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATED AREA.
16. QUICK COUPLING VALVES SHALL BE OF A TYPE APPROVED FOR RECYCLED WATER USE WITH BRASS CONSTRUCTION, A SPECIAL QUICK COUPLER KEY WITH AN ACME THREAD FOR OPENING AND CLOSING THE VALVE. QUICK COUPLER VALVES CANNOT BE LOCATED WITHIN 50 FEET OF FOOD PREPARATION, OUTDOOR EATING AREAS, OR DESIGNATED CHILDREN PLAY EQUIPMENT OR WITHIN THE FENCED PERIMETER SURROUNDING SWIMMING POOLS.
17. ALL NEW ON-SITE RECYCLED WATER PIPING INSTALLED ON THIS PROJECT SHALL BE PURPLE IN COLOR, PANTONE 522C AND IDENTIFIED IN ACCORDANCE WITH THE CURRENT CDPH GUIDELINES AND EASTERN MUNICIPAL WATER DISTRICTS STANDARDS AND SPECIFICATIONS.
18. WARNING TAPE FOR THE RECYCLED WATER PIPING SHALL BE PURPLE IN COLOR, PANTONE 522C, WITH THE WORDS "CAUTION: RECYCLED WATER" IMPRINTED IN MINIMUM 1 INCH HIGH LETTERS. IMPRINTING SHALL BE CONTINUOUS AND PERMANENT. THE WARNING TAPE SHALL BE INSTALLED CONTINUOUSLY ABOVE THE NEW RECYCLED WATER IRRIGATION MAINLINE.

20. EACH AUTOMATIC CONTROLLER AND ITS ASSOCIATED EQUIPMENT SHALL BE IDENTIFIED WITH A SIGN BEARING THE WORDS "CAUTION: RECYCLED WATER DO NOT DRINK", WITH LETTERS AT LEAST 1 INCH HIGH ON A PURPLE BACKGROUND AND WITH A "DO NOT DRINK" SYMBOL SIGN. THE SIGNS SHALL BE PLACED AS TO BE READILY SEEN BY ANY OPERATIONS PERSONNEL UTILIZING THE EQUIPMENT.
  21. SIGNS OR DECALS WITH "RECYCLED WATER, DO NOT DRINK" AND THE DO NOT DRINK SYMBOL MUST BE POSTED ON PUMP CABINETS, AND ALL ENCLOSURES.
  22. RECYCLED WATER SPRINKLERS / SPRAY HEADS MUST HAVE PURPLE CAPS, PURPLE COLLARS, AND THE RISERS HAVE A RECYCLED WATER DECAL. LARGE THROW HEADS MUST HAVE PURPLE INSERTS. PURPLE CAPS AND COLLARS MUST BE FIRMLY AFFIXED TO SPRINKLER HEADS. ALL OTHER ABOVE GROUND EQUIPMENTS MUST BE COLORED PURPLE OR HAVE A "RECYCLED WATER, DO NOT DRINK" DECAL OR SIGN.
  23. ALL AUTOMATIC CONTROLLERS MUST BE SET TO OPERATE BETWEEN THE HOURS OF 9:00 P.M. AND 6:00 A.M. UNLESS OTHERWISE PERMITTED BY EMWD.
  24. EDUCATE ALL MAINTENANCE PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORMED THAT RECYCLED WATER IS MEANT FOR IRRIGATION PURPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PURPOSES, HAND WASHING, CLEANING OF TOOLS, ETC.
- IN CASE OF EMERGENCY, CONTACT GREG WORTHINGTON AT (951) 654-1505 OR AFTER HOURS,
- CONTACT GREG WORTHINGTON AT (951) 306-2965
25. AN ON-SITE USER/SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM. SAID PERSON IS REQUIRED TO PROVIDE A 24 HOUR CONTACT PHONE NUMBER AND ATTEND APPROVED SITE SUPERVISOR CLASS. COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO EASTERN MUNICIPAL WATER DISTRICT.
  26. FAILURE TO COMPLY WITH THESE NOTES AND EMWD'S RULES AND REGULATIONS IS A VIOLATION AND COULD RESULT IN SUSPENSION OF SERVICE UNTIL THE APPROPRIATE CORRECTIVE STEPS HAVE BEEN TAKEN.

#### LANDSCAPE MAINTENANCE RESPONSIBILITY NOTE

IT SHALL BE THE RESPONSIBILITY OF: VALLEY-WIDE RECREATION AND PARK DISTRICT TO MAINTAIN ALL ON SITE RECYCLED WATER IRRIGATION IN ACCORDANCE WITH EMWD ORDINANCE 68 LATEST EDITION.

#### EMWD TIME LIMITATION NOTE

THE TIME LIMIT ON DRAWING APPROVAL SHALL BE SIX (6) MONTHS FROM THE DATE OF PLAN APPROVAL. IF CONSTRUCTION HAS NOT COMMENCED WITHIN THE STATED TIME, EMWD REQUIRES DRAWING(S) TO BE REVIEWED BY THE DESIGN ENGINEER AND/OR ARCHITECT AND RESUBMITTED TO EMWD FOR POSSIBLE CHANGES IN MASTER PLANNED FACILITIES, SPECIFICATIONS AND STANDARDS.

#### EMWD STANDARD NOTE

INSTALLATION NOTES  
THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS.

#### COLOR CODING NOTES

1. ALL IRRIGATION RISERS, DRIP LINE, AND COMPONENTS THAT ARE NOT AVAILABLE FROM THE MANUFACTURE WITH PURPLE RECYCLED WATER IDENTIFICATION SHALL BE LABELED WITH RECYCLED WATER DECALS OR STICKERS.
2. ALL IRRIGATION COMPONENTS AND VALVES MUST HAVE A RECYCLED WATER ID TAG AND A VALVE ID TAG IN A VALVE BOX WITH A PURPLE LID. THE PURPLE LID SHALL BE HEAT BRANDED WITH THE VALVE LABEL.
3. ROTOR HEADS MAY BE PAINTED PURPLE WHEN REPLACEMENT CAPS OR COLLARS ARE NOT AVAILABLE. CONTRACTOR TO SUBMIT QUANTITIES, MANUFACTURER AND MODEL NUMBER OF THE HEAD TO EMWD FOR APPROVAL.

#### RECYCLED WATER AND POTABLE WATER SEPARATION CLEARANCE NOTE

THE RECYCLED WATER IRRIGATION MAINLINE IS SHOWN DIAGRAMMATICALLY FOR CLARITY PURPOSES ONLY. THE RECYCLED WATER IRRIGATION MAINLINE MUST:

1. BE INSTALLED WITH A 4' (FOOT) MINIMUM HORIZONTAL CLEARANCE FROM ALL POTABLE WATERLINES AND FIRE LINES.
2. BE INSTALLED WITH A 1' (FOOT) OF VERTICAL CLEARANCE AND BE LOCATED UNDER ALL POTABLE WATERLINES AND FIRE LINES.
3. WHERE THE RECYCLED WATER IRRIGATION MAINLINES MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A 4" (INCH) MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER IRRIGATION MAINLINE MUST BE INSTALLED IN A CONTINUOUS SLEEVE (PVC CLASS 200 PIPE MINIMUM) WHICH EXTENDS A MINIMUM OF 10' (FEET) EACH SIDE OF THE POTABLE WATERLINE OR FIRE LINE.

#### IRRIGATION NOTES

1. CONTRACTOR SHALL CAREFULLY PERFORM WORK TO INSURE THAT NO SERVICE INTERRUPTION OF DOMESTIC WATER OCCURS DURING OPERATION HOURS. CONTRACTOR SHALL NOTIFY THE DISTRICT 24 HOURS PRIOR TO ANY SCHEDULED SHUTDOWN OF DOMESTIC OR IRRIGATION WATER.
2. IRRIGATION WATER SUPPLY SHALL NOT BE TERMINATED FOR ANY PERIOD LONGER THAN 24 HOURS. IN THE EVENT THAT WATER IS TERMINATED LONGER THAN 24 HOURS, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO ANY LANDSCAPE RELATED TO LACK OF WATER.
3. CONTRACTOR SHALL DISCONNECT AND CAP ALL EXISTING MAINLINE AT LOCATIONS AS SHOWN ON THE PLANS. ALL FITTINGS (INCLUDING CAPS) 3" AND SMALLER SHALL BE SCH 80 PVC AND ALL FITTINGS LARGER THAN 3" SHALL BE LEEMCO IRON DUCTILE RESTRAINTS.
4. ALL NEW WORK SHALL COMPLY WITH CURRENT DISTRICT STANDARDS AND SPECIFICATIONS.
5. ALL NEW PRESSURE LINE PIPING SHALL BE PRESSURE TESTED PER EMWD REQUIREMENTS BEFORE CONNECTING TO ANY EXISTING MAINLINE. ANY EXISTING MAINLINE WILL NOT BE REQUIRED TO BE PRESSURE TESTED.
6. CONTRACTOR SHALL SLEEVE ALL EXISTING POTABLE PRESSURE LINE PIPING WITHIN 4 FEET OF ANY NEW RECYCLED WATER LINE AS REQUIRED BY EMWD. LOCATIONS OF DOMESTIC WATER PIPING IS SHOWN ON PLANS TO BE THE BEST KNOWLEDGE OF EMWD. IN THE EVENT ANY DISCREPANCY BETWEEN FIELD CONDITIONS AND PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SEPARATIONS SLEEVING AS REQUIRED BY EMWD WITHOUT ADDITIONAL COMPENSATION.
7. ALL EXISTING VALVE BOXES THAT ARE UNEVEN, OUT OF PLUMB, ABOVE OR BELOW GRADE SHALL BE ADJUSTED TO GRADE PER DISTRICT DETAILS.
8. ALL NEW VALVES AND PIPING SHALL BE MEASURED AND AS-BUILT PER EMWD REQUIREMENTS PRIOR TO BACKFILLING. ALL EXISTING PIPING LOCATED DURING CONSTRUCTION SHALL BE IDENTIFIED, MEASURED AND INCLUDED WITH THE AS-BUILTS.
9. ALL NEW PURPLE VALVE BOX LID SHALL BE HEAT BRANDED TO INDICATE THE CORRESPONDING CONTROLLER AND STATION NUMBER PER DISTRICT DETAIL.
10. INSTALL PURPLE CAPS FOR ALL SPRAY HEADS AND ROTORS THAT ARE CONNECTED TO RECYCLED WATER SYSTEM.
11. CONTRACTOR TO LOCATE AND REDLINE (DOCUMENT) ALL POTABLE AND FIRE WATER LINE ON-SITE FACILITIES WITHIN CLOSE PROXIMITY OF NEW RECYCLED WATER LINES.
12. ALL WORK SHALL CONFORM TO EASTERN MUNICIPAL WATER DISTRICT'S CURRENT STANDARDS, SPECIFICATIONS AND GUIDELINES FOR RECYCLED WATER.
13. IN THE EVENT OF ANY DISCREPANCY BETWEEN PLANS AND EMWD STANDARD GUIDELINES / SPECIFICATIONS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE OVER PLANS AS DETERMINED BY THE DISTRICT.
14. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT PRIOR TO ANY DIGGING AND SHALL BE RESPONSIBLE FOR ANY DAMAGED UTILITIES.
15. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR REPAIRING AND/OR REPLACING ANY DAMAGE TO EXISTING LANDSCAPE AND IRRIGATION REQUIRED TO RETROFIT PROJECT TO RECYCLED WATER.
16. CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIM / HERSELF WITH EXISTING SITE CONDITIONS PRIOR TO SUBMITTAL OF BID.
17. IF FIELD CONDITIONS ARE DIFFERENT FROM WHAT IS SHOWN ON THE PLANS, THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONTINUING WITH SITE IMPROVEMENTS.
18. ANY COMPONENTS OF THE IRRIGATION SYSTEM WHICH ARE REPLACED / REPAIRED MUST BE REPLACED WITH PURPLE RECYCLED WATER COMPONENTS PER EMWD STANDARDS.
19. ALL WORK MUST CONFORM TO VALLEY-WIDE RECREATION AND PARK DISTRICT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF ANY CONFLICT BETWEEN STANDARDS, THE MORE STRINGENT STANDARD SHALL PREVAIL, UNLESS OTHERWISE APPROVED BY BOTH EMWD AND VALLEY-WIDE.

#### HOLD HARMLESS AND INDEMNIFICATION CLAUSE

CONTRACTOR AGREES TO ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, THE CSA, COUNTY OF LOCAL JURISDICTION, THE CITY OF WINCHESTER, VALLEY-WIDE RECREATION AND PARK DISTRICT AND EASTERN MUNICIPAL WATER DISTRICT HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, THE CSA, AND COUNTY OF LOCAL JURISDICTION.

EXISTING POTABLE IRRIGATION DATA TABLE				
EXISTING POTABLE METER LOCATION	EXISTING P.O.C. DESIGNATION	SERVICE ORDER (SO) NUMBER	HISTORICAL USAGE (AF/Y)	EXISTING POTABLE METER SIZE (IN.)
POURROY ROAD	70	187350	6.61	1.5
			TOTAL	6.61

#### RECYCLED METER INFORMATION TABLE

POC ID	POC STA.	DWG #	IRRIGATED AREA (SF)	DEMAND (GPM)	ANNUAL USAGE ACRE FEET	LATERAL SIZE (IN.)	METER SIZE (IN.)
POC #70	59+30.00	D-60495	75,500	50	6.61	2"	1.5"
			TOTAL	75,500	50	6.61	

CUSTOMER ACKNOWLEDGES AND AGREES THAT THIS DESIGN AND PLAN IS CONSISTENT WITH CUSTOMER'S OWN STANDARDS AND FIT FOR ITS INTENDED PURPOSE.

NAME: Dean Wetter

TITLE: General Manager

SIGNATURE: *Dean Wetter* DATE: 1-20-2023

#### DIG ALERT



Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:		
DEPARTMENT	ACCEPTANCE	DATE
VALLEY-WIDE RECREATION AND PARK DISTRICT	<u><i>Dean Wetter</i></u>	1-20-2023

REVISIONS			
DATE	BY	MARK	DESCRIPTION
3/24/23	JP	△	POC 70 POC RELOCATION

ACCEPTED BY:		
DEPARTMENT	ACCEPTANCE	DATE
EASTERN MUNICIPAL WATER DISTRICT	<u><i>Zaru Aman</i></u>	1/23/23

VALLEY-WIDE RECREATION AND PARK DISTRICT			
WINCHESTER, CA.			
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS			
POC #70			
COVER SHEET			
WO: 77444	PCWO:	RWUE:	
DOPP:	14-A-10	COORD.:	
I.D.:	98	SHT.:	1 OF 11
S.A.:	34	D-66132	

**EMWD STANDARD NOTE**

**CONSTRUCTION NOTE**  
 EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.

**INSTALLATION NOTES**

- THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS FOR DEVELOPER'S PROJECTS.
- HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER IRRIGATION SYSTEMS. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATION AREA.

**COLOR CODING NOTES**

- ALL IRRIGATION EMISSION DEVICES, SUCH AS SPRAY HEADS, ROTORS, BUBBLERS, DRIP EMITTERS, OR DRIP ASSEMBLIES SHALL BE IDENTIFIED WITH PURPLE IDENTIFICATION BODIES, COLLARS, CAPS, CONNECTORS, ADAPTERS, ETC. TO PERMANENTLY LABEL THE COMPONENTS AS EMITTING RECYCLED IRRIGATION WATER. THE PURPLE IDENTIFICATION SHALL BE EXPOSED TO THE SURFACE.
- ALL IRRIGATION RISERS, DRIP LINE, AND COMPONENTS THAT ARE NOT AVAILABLE FROM THE MANUFACTURE WITH PURPLE RECYCLED WATER IDENTIFICATION SHALL BE LABELED WITH RECYCLED WATER DECALS OR STICKERS.
- ALL IRRIGATION COMPONENTS AND VALVES MUST HAVE A RECYCLED WATER ID TAG AND A VALVE ID TAG IN A PURPLE VALVE BOX WITH A PURPLE LID. THE PURPLE LID SHALL BE HEAT BRANDED WITH THE VALVE LABEL.

**FOR NEW PROPOSE PIPE INSTALLATION:**

RECYCLED WATER AND POTABLE WATER SEPARATION CLEARANCE NOTE  
 THE RECYCLED WATER IRRIGATION MAINLINE IS SHOWN DIAGRAMMATICALLY FOR CLARITY PURPOSES ONLY. THE RECYCLED WATER IRRIGATION MAINLINE MUST:

- BE INSTALLED WITH A 4' (FOOT) MINIMUM HORIZONTAL CLEARANCE FROM ALL POTABLE WATERLINES AND FIRE LINES.
- BE INSTALLED WITH A 1' (FOOT) OF VERTICAL CLEARANCE AND BE LOCATED UNDER ALL POTABLE WATERLINES AND FIRE LINES.
- WHERE THE RECYCLED WATER IRRIGATION MAINLINES MUST BE INSTALLED ABOVE THE POTABLE WATERLINE. A 4" (INCH) MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER IRRIGATION MAINLINE MUST BE INSTALLED IN A CONTINUOUS SLEEVE (PVC CLASS 200 PIPE MINIMUM) WHICH EXTENDS A MINIMUM OF 10' (FEET) EACH SIDE OF THE POTABLE WATERLINE OR FIRE LINE.

**PROPOSED RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
	RECYCLED IRRIGATION WATER METER
	RECYCLED IRRIGATION MASTER VALVE
	RECYCLED IRRIGATION FLOW SENSOR
	RECYCLED IRRIGATION BOOSTER PUMP
	RECYCLED WATER SIGNAGE
	RECYCLED IRRIGATION BALL VALVE
	RECYCLED IRRIGATION MAINLINE

**EXISTING RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
	RECYCLED ISOLATION VALVE
	RECYCLED QUICK COUPLER VALVE
	RECYCLED REMOTE CONTROL VALVE
	RECYCLED IRRIGATION CONTROLLER
	IRRIGATION MAINLINE

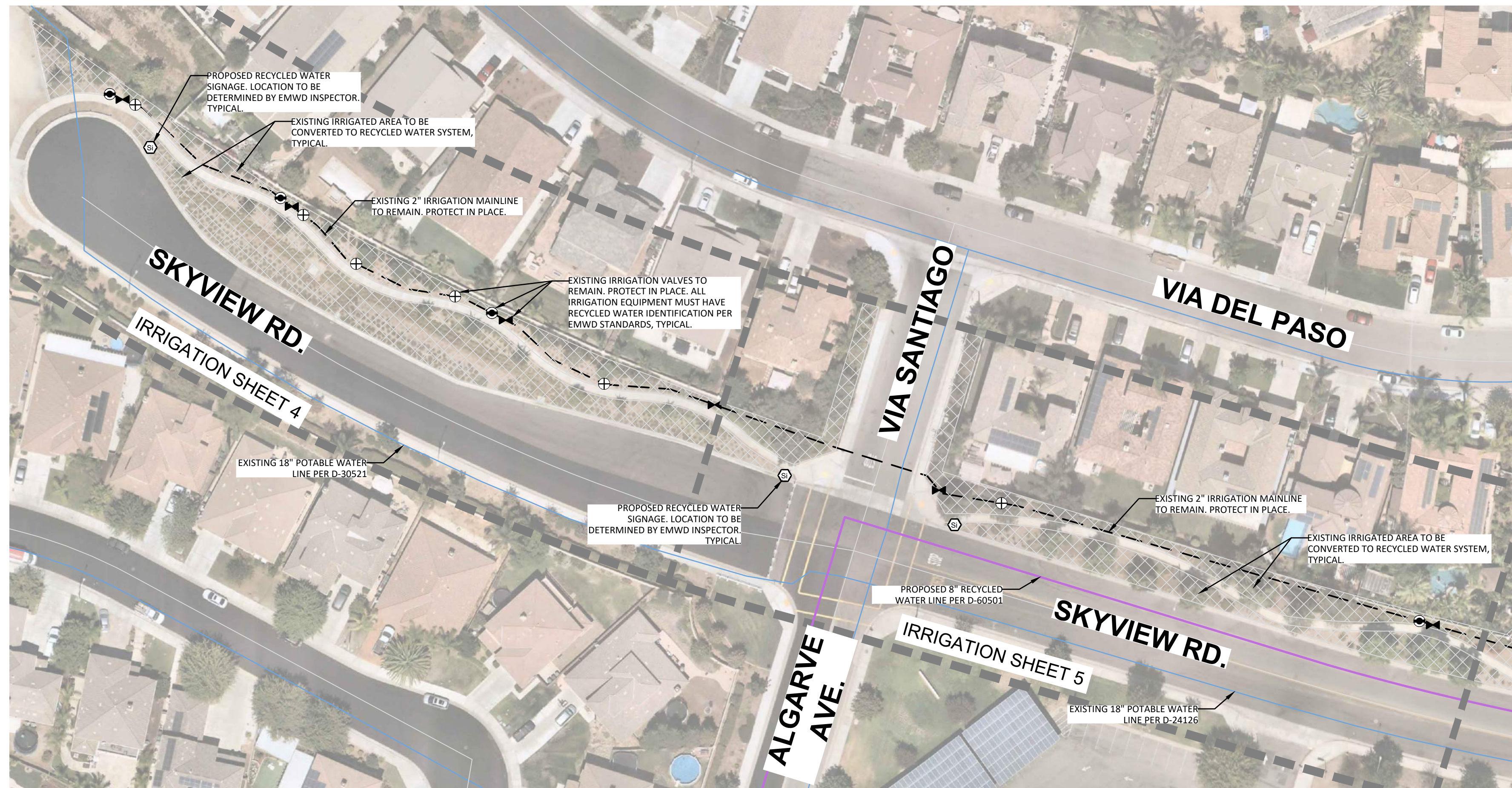
**POTABLE WATER LEGEND:**

SYMBOL	DESCRIPTION
	POTABLE WATER METER
	POTABLE BACKFLOW PREVENTER
	POTABLE WATER FLOW SENSOR
	POTABLE WATER MASTER VALVE

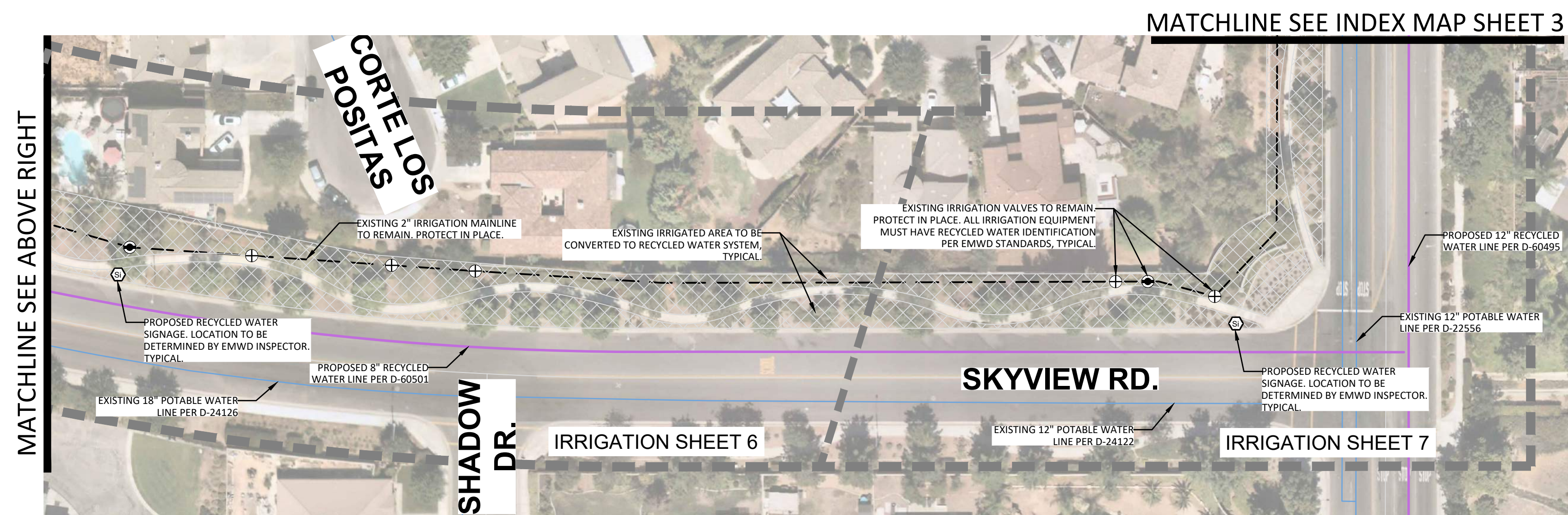
RECYCLED WATER IRRIGATED AREA (75,500 SF)

**VALVE BOX NOTE:**

1. CONTRACTOR TO REPLACE EXISTING LIDS OF IRRIGATION VALVE BOXES. VALVE BOX LID SHALL BE PURPLE AND HEAT BRANDED WITH REMOTE CONTROL VALVE STATION AND COMPONENT IDENTIFICATION.
2. CONTRACTOR TO ADJUST EXISTING VALVE BOXES TO GRADE PER VALLEY-WIDE STANDARD AND INSTALL RECYCLED WATER ID TAG.
3. ALL DAMAGED VALVE BOXES SHALL BE REPLACED WITH NEW PURPLE COLOR VALVE BOXES AND HEAT BRANDED LID AND INSTALL RECYCLED WATER ID TAG WITHIN EACH BOX.

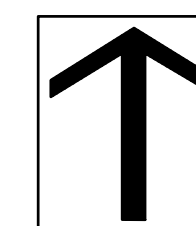


MATCHLINE SEE BELOW LEFT



MATCHLINE SEE ABOVE RIGHT

MATCHLINE SEE INDEX MAP SHEET 3



0 25 50 75 100  
 SCALE: 1"=50'

**DIG ALERT**

Call: TOLL FREE  
 1-800-227-2600  
 OR  
 811

FOUR FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
		1-20-2023

REVISIONS

DATE	BY	MARK	DESCRIPTION

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ ENGINEER: \_\_\_\_\_

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT

**John Wuerth** 1/23/23  
 SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.		1/23/23
OPERATIONS		1/23/23

VALLEY-WIDE RECREATION AND PARK DISTRICT  
 WINCHESTER, CA.  
 RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
 POC #70  
**INDEX MAP**

WO: 77444  
 PCWO: \_\_\_\_\_

DOPP	14-A-10	RWUE
COORD.	14-A-11	RWUP:
I.D.	98	SHT. 2 OF 11
S.A.	34	D-66133

**EMWD STANDARD NOTE**

**CONSTRUCTION NOTE**  
EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.

**INSTALLATION NOTES**

- THE RECYCLED WATER IRRIGATION SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS FOR DEVELOPER'S PROJECTS.
- HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER IRRIGATION SYSTEMS. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATION AREA.

**COLOR CODING NOTES**

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	RECYCLED IRRIGATION MAINLINE

**EXISTING RECYCLED WATER IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION
	RECYCLED ISOLATION VALVE
	RECYCLED QUICK COUPLER VALVE
	RECYCLED REMOTE CONTROL VALVE
	RECYCLED IRRIGATION CONTROLLER
	IRRIGATION MAINLINE

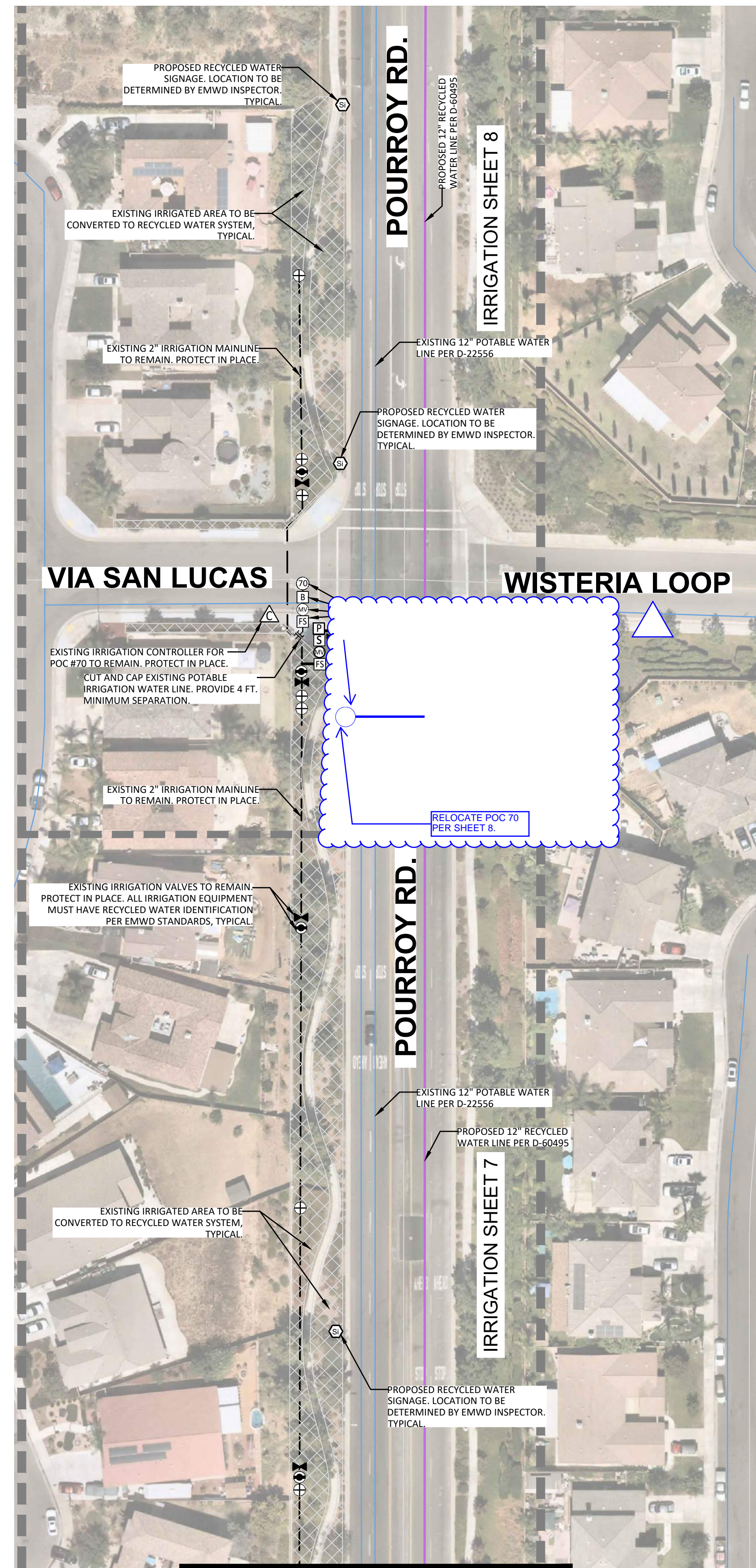
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SYMBOL	DESCRIPTION
	POTABLE WATER METER
	POTABLE BACKFLOW PREVENTER
	POTABLE WATER FLOW SENSOR
	POTABLE WATER MASTER VALVE

RECYCLED WATER IRRIGATED AREA (75,500 SF)

**VALVE BOX NOTE:**

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- ALL DAMAGED VALVE BOXES SHALL BE REPLACED WITH NEW PURPLE COLOR VALVE BOXES AND HEAT BRANDED LID AND INSTALL RECYCLED WATER ID TAG WITHIN EACH BOX.



MATCHLINE SEE INDEX MAP SHEET 2

**Dynamic Pressure Loss Calculation**

Client Name:	VALLEY-WIDE RECREATION AND PARK DISTRICT
Project Name:	POURROY ROAD, WINCHESTER, CA
Water Meter / POC No.:	70 / POC #70
Domestic / Recycled:	RECYCLED
POC Elevation:	1,389 ft.
HGL:	1,490 ft.
Static Pressure:	44 psi
Water Source & Phone #:	EMWD (951) 928-3777
Date:	October 22, 2022
Valve Station No.:	A30 (FURTHEST VALVE ON POC #70)
Valve Flow Rate:	21 gpm
Highest Elevation Served:	1,370 ft.

Equipment	Size	Flow	Length / Qty.	PSI Loss	
Water Meter	1 1/2 in.	50 gpm	N/A	4.9 psi	
Basket Strainer	2 in.	50 gpm	N/A	2.0 psi	
Mainline (PVC)	2 in.	21 gpm	2,100 ft.	6.7 psi	
Mainline (PVC)				0.0 psi	
Master Valve	2 in.	50 gpm	N/A	0.8 psi	
Flow Meter	2 in.	50 gpm	N/A	0.0 psi	
Gate Valve	2 1/2 in.	50 gpm	5	1.0 psi	
Remote Control Valve	1 1/2 in.	21 gpm	N/A	3.9 psi	
Lateral Line	VARIES	VARIES	VARIES	4.0 psi	
Fittings (Estimate 10%)	N/A	N/A	N/A	2.3 psi	
				Elevation Change	-8.2 psi
				Pressure Req. to Operate Heads	40.0 psi
				Total Pressure Required	57.4 psi
				Booster Pump Design Boost	20.0 psi
				Available Residual Pressure	6.3 psi

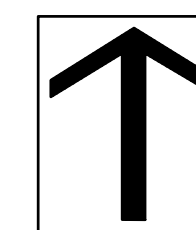
**BARRETT ENGINEERED PUMPS**

SPECIALISTS IN PUMPS AND PUMPING SYSTEMS

PROJECT: VALLEY WIDE - POURROY RD.

SYSTEM DESIGN PARAMETERS - POC #70

IBGA5-1.5-2-2/VFD-F	50 GPM	58 PSI	2 INCH
System Model Number	System Design Flow Rate	System Design Pressure	System Piping Size
44 PSI	230 VAC	1 PHASE 60 Hz	
Minimum Suction Pressure	System Electrical Voltage	System Electrical Phase and Frequency	
15GA5-1 1/4"	50 GPM	60 FEET	
Pump Model Number	Pump Capacity (GPM)	Pump Total Head (Feet)	
1 1/2 HP	3500 RPM	9 AMPS @ 230/1 ph	
Pump Horsepower	Pump RPM	System Full Load Amperage	



0 25 50 75 100

SCALE: 1"=50'

**DIG ALERT**

Call: TOLL FREE  
1-800-227-2600  
OR  
811

TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK

DESCRIPTION: \_\_\_\_\_

LOCATION: \_\_\_\_\_

VERTICAL DATUM: \_\_\_\_\_

HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-2023

REVISIONS

DATE	BY	MARK	DESCRIPTION
3/24/23	JP	△	POC 70 POC RELOCATION

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_ MARK: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ ENGINEER: \_\_\_\_\_ DESCRIPTION: \_\_\_\_\_ APPR. DATE: \_\_\_\_\_ EMWD: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

EASTERN MUNICIPAL WATER DISTRICT

**John Wuerth** 1/23/23  
SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT

WINCHESTER, CA.

RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS

POC #70

**INDEX MAP**

WO: 77444

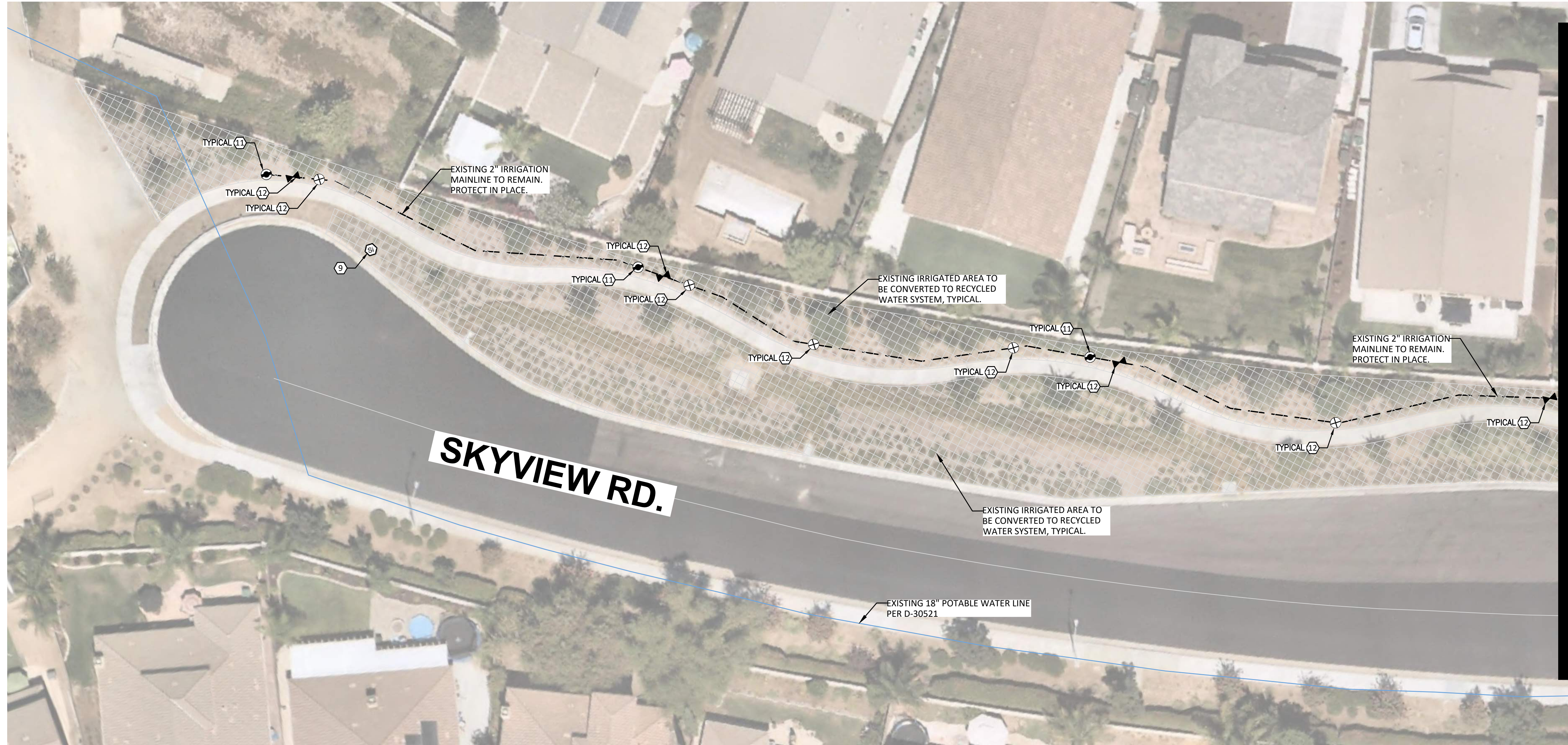
PCWO: \_\_\_\_\_

DOPP: \_\_\_\_\_ RWUE: \_\_\_\_\_

COORD. 14-A-10 14-A-11

I.D. 98 SHT. 3 OF 11

S.A. 34 D-66134



MATCHLINE SEE SHEET 5

**CONSTRUCTION LEGEND**

SYMBOL	DESCRIPTION
①	INSTALL NEW 1.5" RECYCLED WATER METER PER EMWD STANDARD PB-11. WATER METER WILL BE PROVIDED BY EMWD.
②	PROVIDE AND INSTALL NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL PER DETAIL.
③	PROVIDE AND INSTALL YARDNEY STRAINER MS2-1, SIZE: 2" WITH MAX. FLOW 110 GPM. INSTALL ABOVE GROUND WITH STAINLESS STEEL ENCLOSURE PER MANUFACTURER STANDARD AND DETAIL.
④	PROVIDE AND INSTALL BUCKNER SUPERIOR 3200 NORMALLY CLOSED MASTER VALVE (SIZE: 2") PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.
⑤	PROVIDE AND INSTALL CALSENSE FLOW SENSOR FM-1.5B (SIZE: 1.5"). INSTALL PER DETAIL. RUN WIRES TO EXISTING IRRIGATION CONTROLLER LOCATION.
⑥	PROVIDE AND INSTALL 1" BALL VALVE INSIDE ROUND PURPLE VALVE BOX.
⑦	PROVIDE AND INSTALL 2" SCH.40 PVC PURPLE RECYCLED WATER IRRIGATION MAINLINE (24" DEEP MIN.) AND CONNECT TO EXISTING IRRIGATION POC AS SHOWN ON PLAN.
⑧	PROVIDE AND INSTALL 14GA. VALVE WIRES FOR MASTER VALVE AND P7162D PAIGE CABLE FOR FLOW SENSOR INSIDE A 1.5" PVC SCH.40 CONDUIT. INSTALL PULL BOX AT ANY CHANGE IN DIRECTION. CONNECT TO EXISTING IRRIGATION CONTROLLER.
⑨	PROVIDE AND INSTALL RECYCLED WATER SIGNAGE PER EMWD STANDARD. EXACT LOCATION WILL BE DETERMINED BY EMWD INSPECTOR.
⑩	CUT AND CAP EXISTING IRRIGATION MAINLINE-PROVIDE A MINIMUM OF 4FT. SEPARATION AND REMOVE UNUSED PIPE.
⑪	REPLACE EXISTING QUICK COUPLER WITH NELSON 7645 (1") QUICK COUPLER VALVE WITH ACME THREAD AND PURPLE LOCKING COVER - INSTALL NEW PURPLE VALVE BOX PER DETAIL.
⑫	REPLACE ALL EXISTING IRRIGATION VALVE BOX'S LIDS ONLY WITH PURPLE RECYCLED WATER AND LABEL ACCORDINGLY.
⑬	EXISTING DOMESTIC IRRIGATION WATER METER TO BE REMOVED (BY OTHERS)
⑭	EXISTING BACKFLOW PREVENTER TO BE REMOVED. CUT AND CAP EXISTING LINE. REMOVE ALL UNUSED PIPE.
⑮	REMOVE EXISTING MASTER VALVE AND FLOW SENSOR. CUT AND CAP MAINLINE.
⑯	PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.

**IRRIGATION DRAWING NOTE:**

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**COLOR CODING**

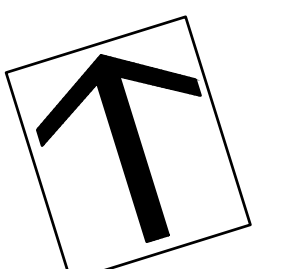
SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. VALVE BOX LIDS SHALL BE PURPLE PER INDUSTRY STANDARDS. THE LIDS SHALL HAVE THE WARNING "RECYCLED: DO NOT DRINK" IN ENGLISH AND SPANISH AND THE INTERNATIONAL "DO NOT DRINK" ON ONE SIDE AND "PELIGRO: AGUA IMPURA-NO BEBER" ON THE OPPOSITE SIDE. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS. ROTOR HEADS MAYBE PAINTED PURPLE WHEN REPLACEMENT CAPS OR COLLARS ARE NOT AVAILABLE. CONTRACTOR TO SUBMIT QUANTITIES, MANUFACTURER AND MODEL NUMBER OF THE HEAD TO EMWD FOR APPROVAL.

**POTABLE AND RECYCLED WATER SEPARATION NOTE**

RECYCLED MAINLINE (CONSTANT PRESSURE) SHOWN DIAGRAMMATICALLY FOR CLARITY ONLY. ACTUAL LOCATION MUST PROVIDE A MINIMUM FOUR (4) FEET HORIZONTAL CLEARANCE BETWEEN ALL POTABLE AND CONSTANT PRESSURE RECYCLED WATERLINES. RECYCLED WATER MAINLINE SHOULD BE INSTALLED UNDER POTABLE WATERLINES AND MAINTAIN ONE (1) FOOT OF VERTICAL CLEARANCE. WHERE THE RECYCLED WATER CONSTANT PRESSURE LINE MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A FOUR (4) INCH MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER PRESSURE LINE MUST BE INSTALLED IN A CONTINUOUS PVC CLASS 200 PIPE SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE WATERLINE.

**INSTALLATION NOTES**

THE MATERIALS AND THE INSTALLATION OF THE IRRIGATION SYSTEM SHOWN ON THIS PLAN SHALL MEET THE LATEST EMWD STANDARDS AND SPECIFICATIONS AT COMMENCEMENT OF WORK. IF CONTRACTOR NOTICES ANY INCONSISTENCIES WITH THE LATEST IRRIGATION DESIGN STANDARDS, ONE SHALL IMMEDIATELY NOTIFY ALL PARTIES.  
NO HOSE BIBS WILL BE ALLOWED FOR INSTALLATION ON SYSTEMS USING RECYCLED WATER.



0 10 20 30 40  
SCALE: 1"=20'

**DIG ALERT**  
Call: TOLL FREE  
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**BENCH MARK**  
DESCRIPTION: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
VERTICAL DATUM: \_\_\_\_\_  
HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY:  
**VALLEY-WIDE RECREATION AND PARK DISTRICT**

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-2023

**REVISIONS**

DATE	BY	MARK	DESCRIPTION

ACCEPTED BY:  
**EASTERN MUNICIPAL WATER DISTRICT**

**John Wuerth** 1/23/23  
SENIOR CIVIL ENGINEER DATE

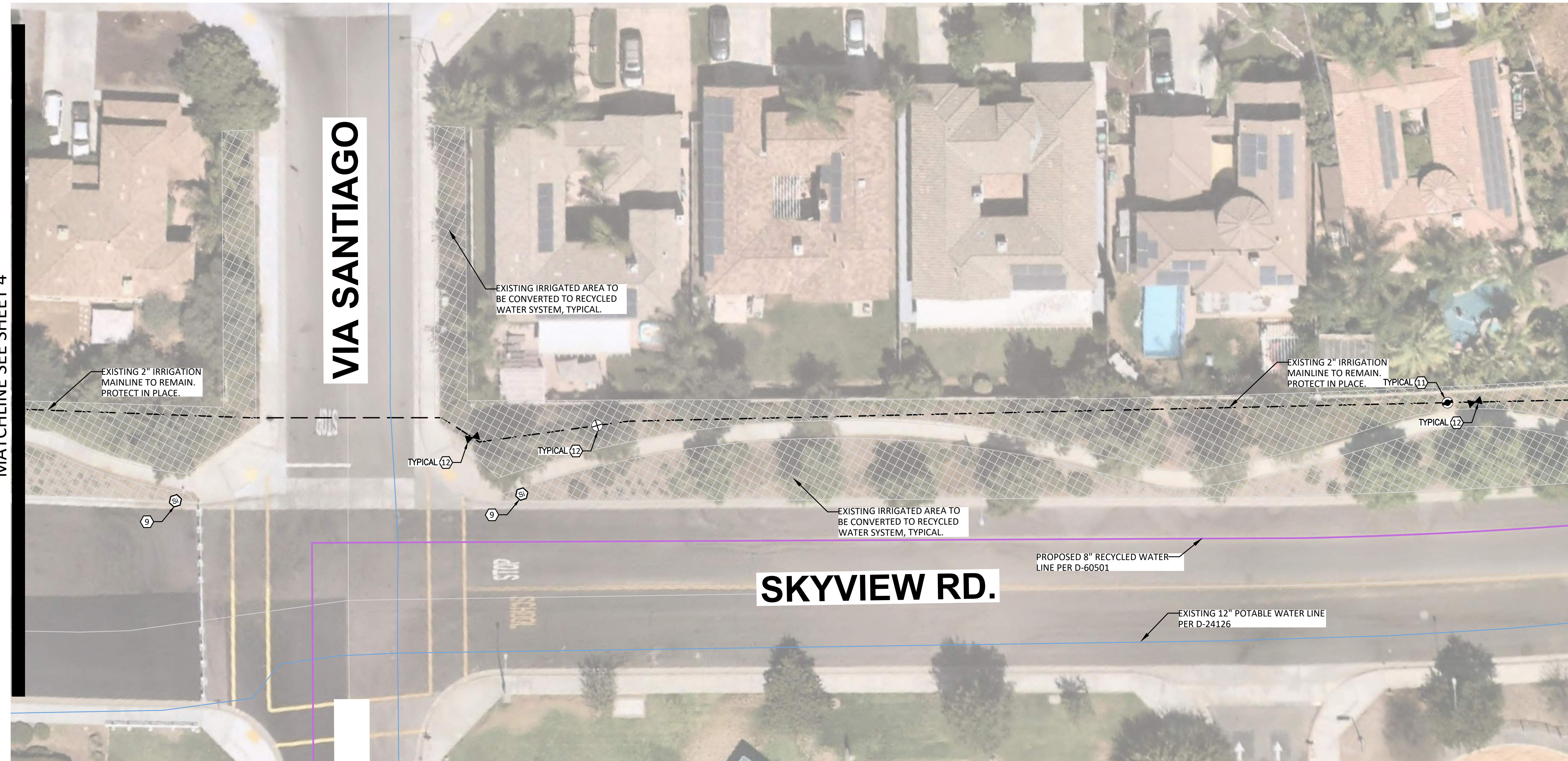
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OPERATIONS	<i>[Signature]</i>	1/23/23
ENGINEERING		
POS ENGINEER		

VALLEY-WIDE RECREATION AND PARK DISTRICT  
WINCHESTER, CA.  
RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
POC #70  
**IRRIGATION PLAN**

WO: 77444	PCWO:
DOPP: 14-A-10	RWUE:
COORD. 14-A-11	RWUP:
I.D. 98	SHT. 4 OF 11
S.A. 34	D-66135

**CONSTRUCTION LEGEND**

SYMBOL	DESCRIPTION
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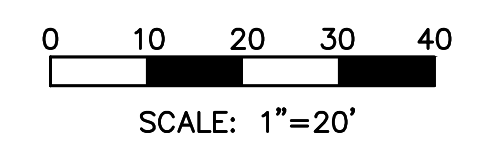
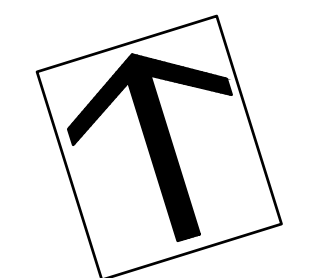
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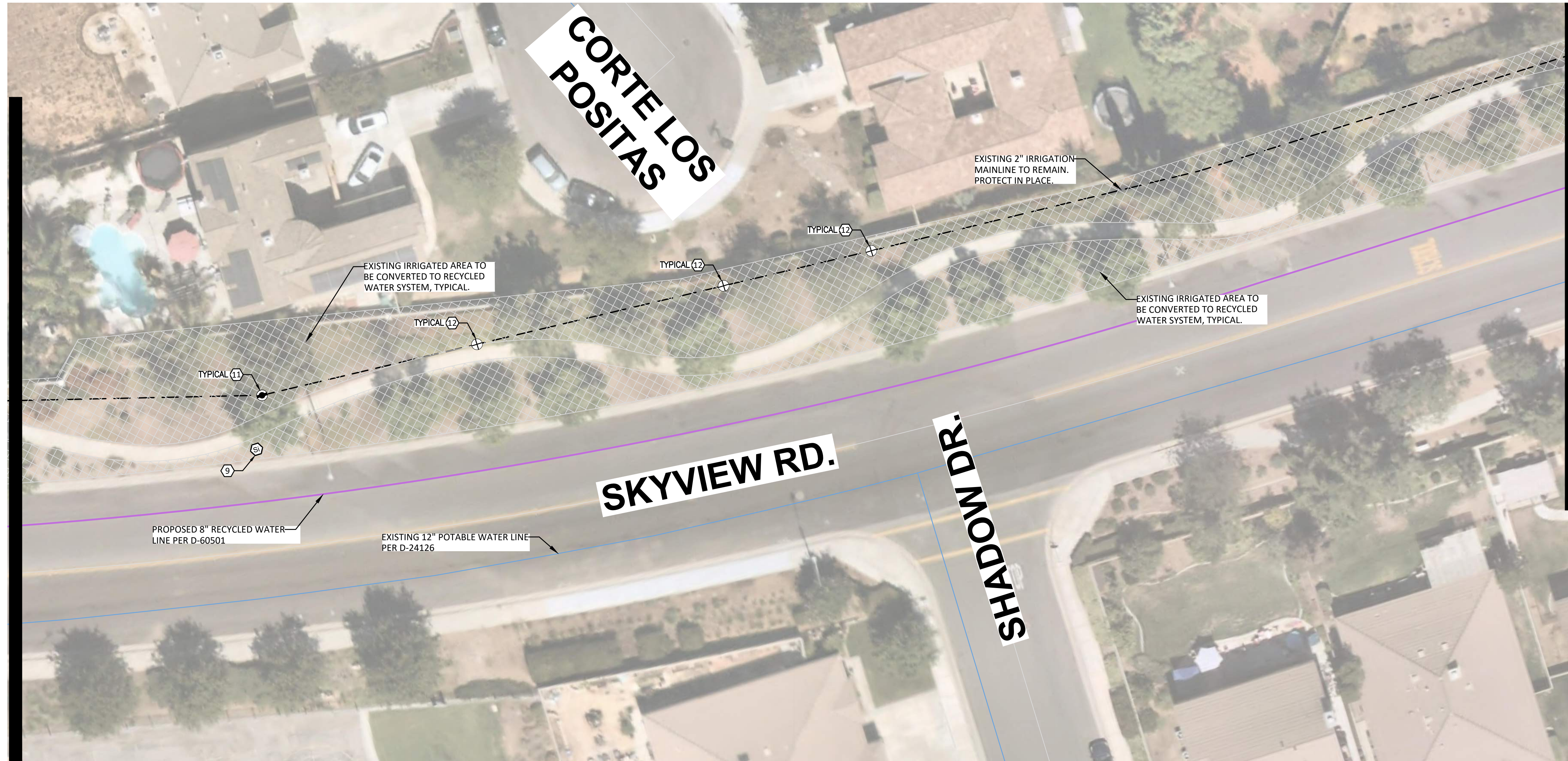
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⑯	PROVIDE AND INSTALL NEW IRRIGATION BOOSTER PUMP PER MANUFACTURER STANDARDS. SEE IRRIGATION PLAN FOR MODEL NUMBER.



MATCHLINE SEE SHEET 5

MATCHLINE SEE SHEET 7

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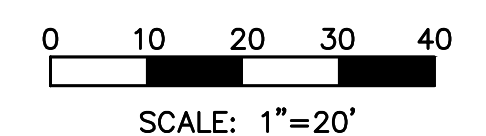
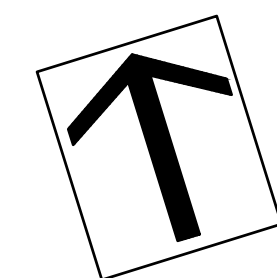
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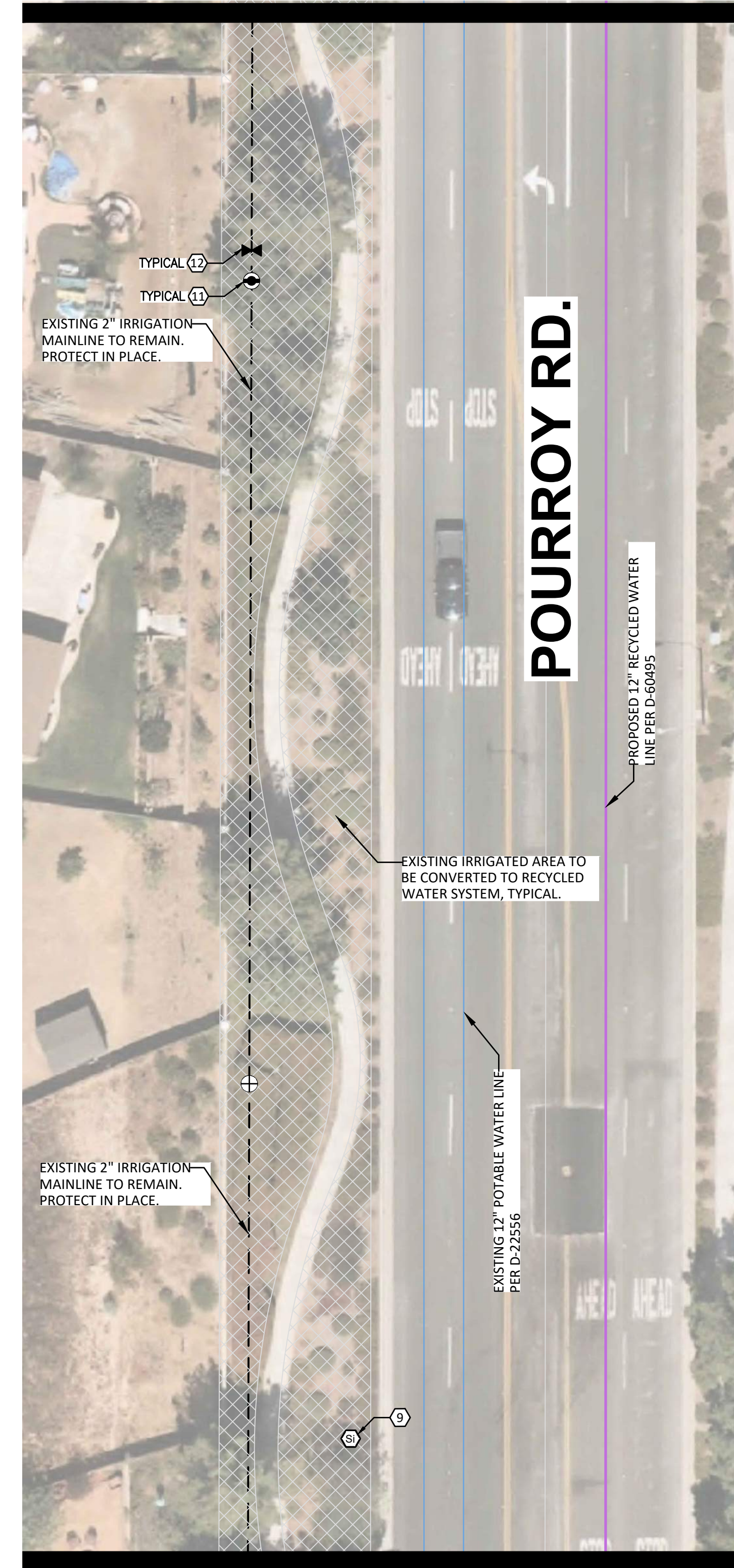
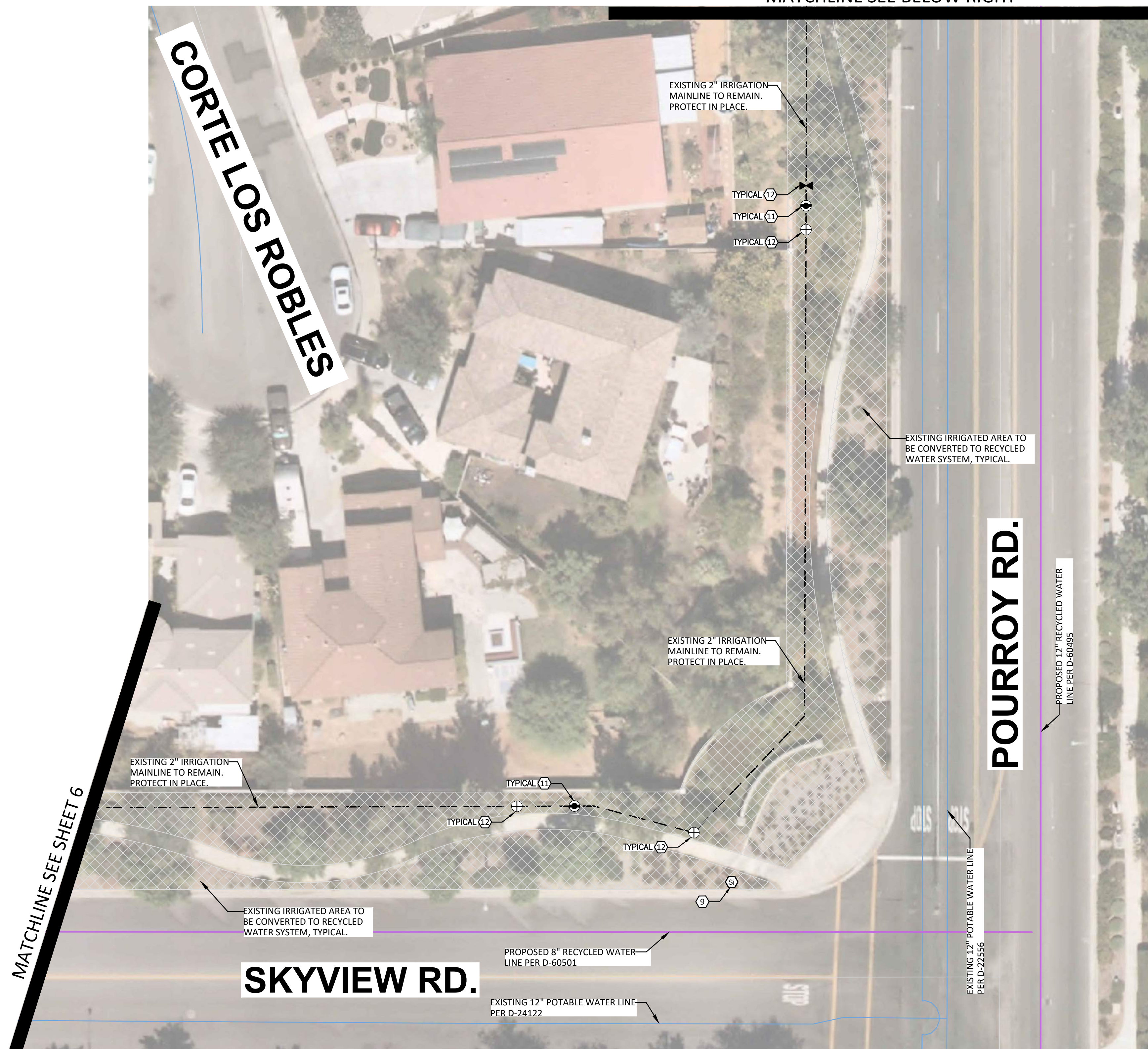


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MATCHLINE SEE BELOW RIGHT

MATCHLINE SEE SHEET 8



CONSTRUCTION LEGEND

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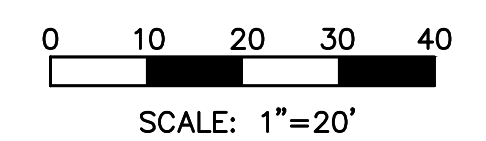
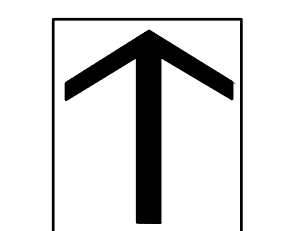
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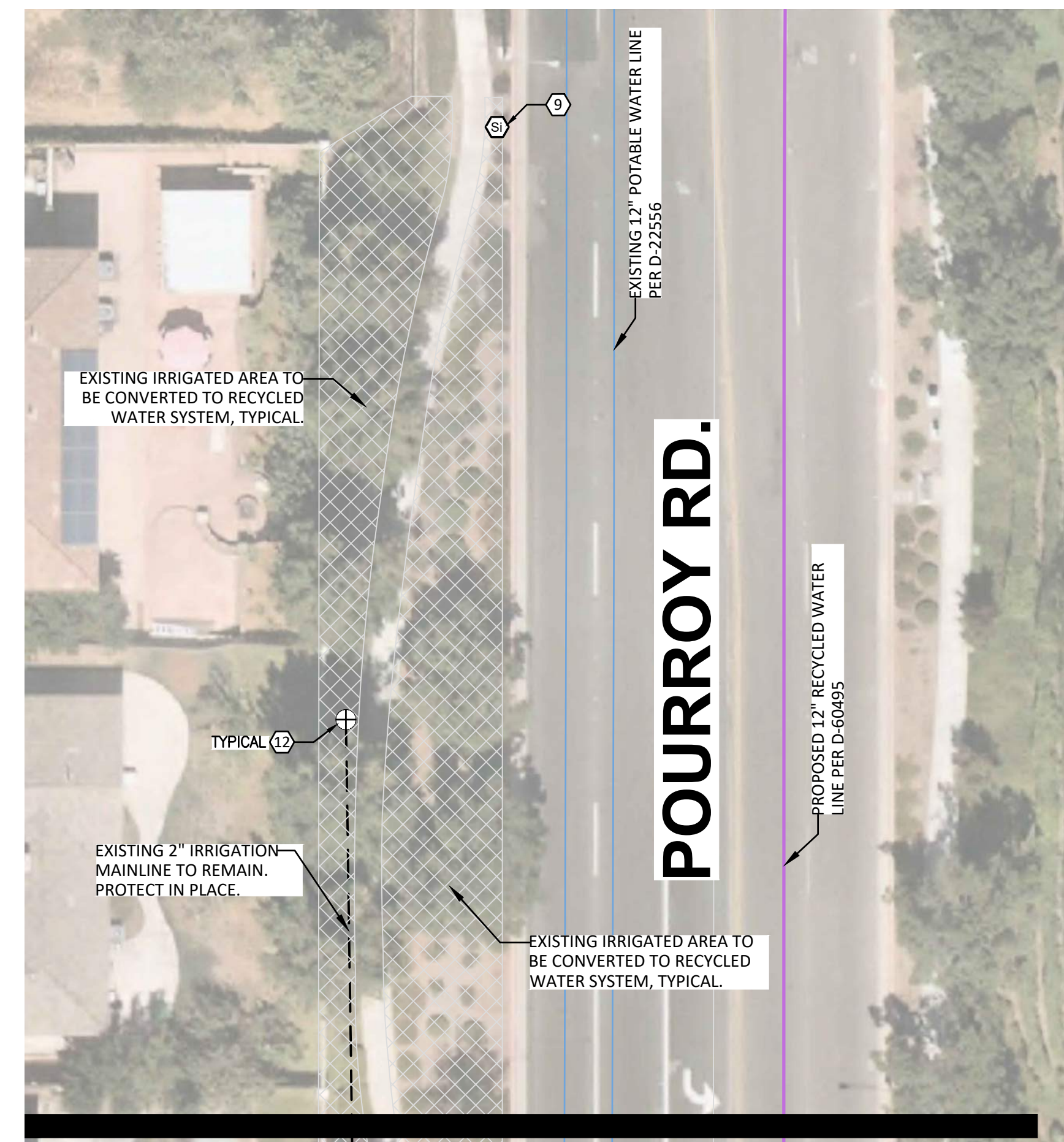
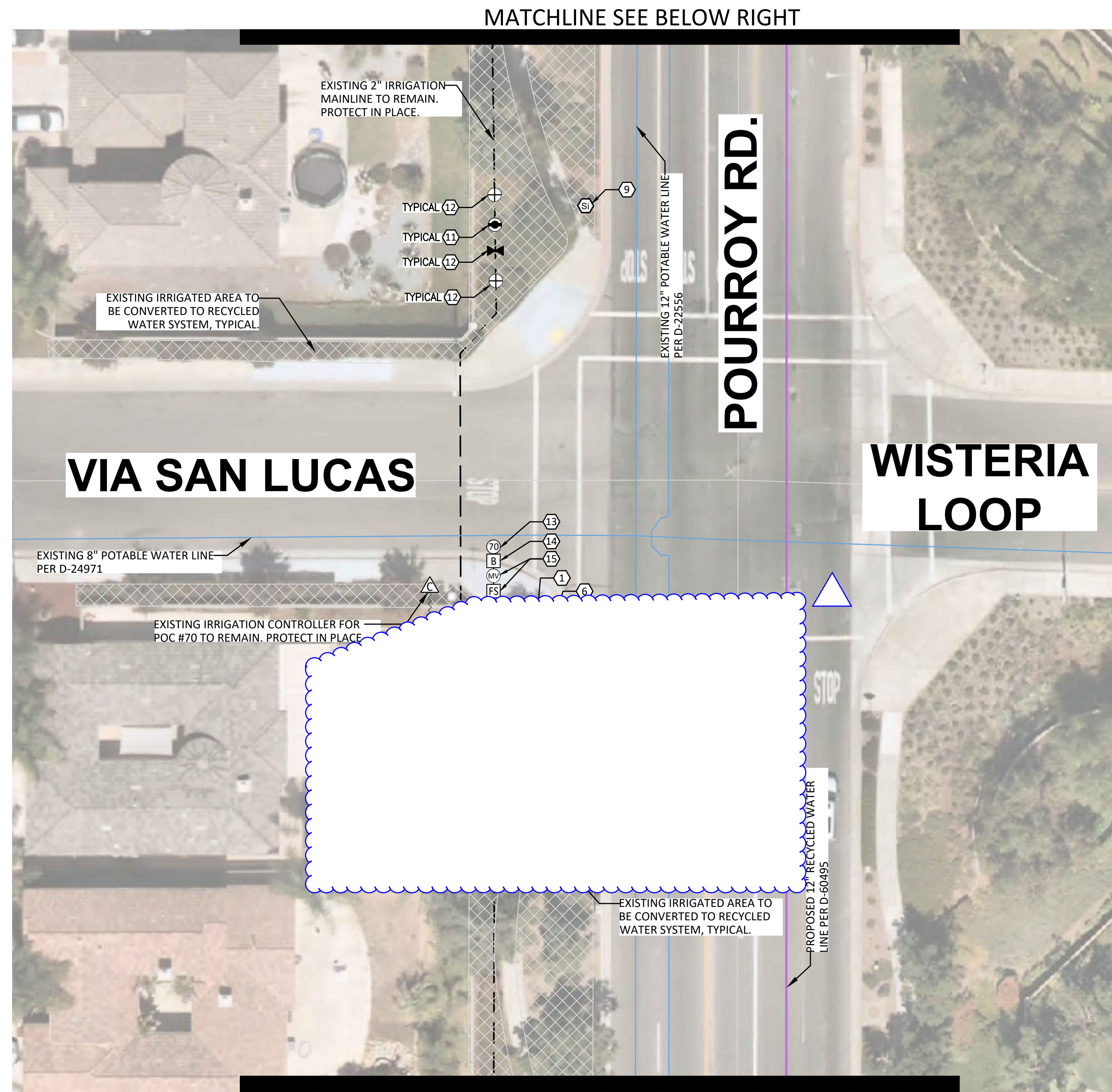
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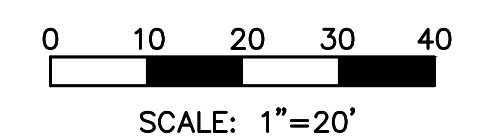
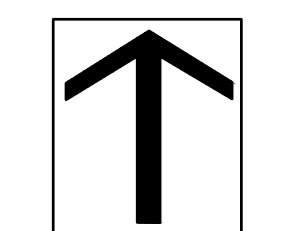
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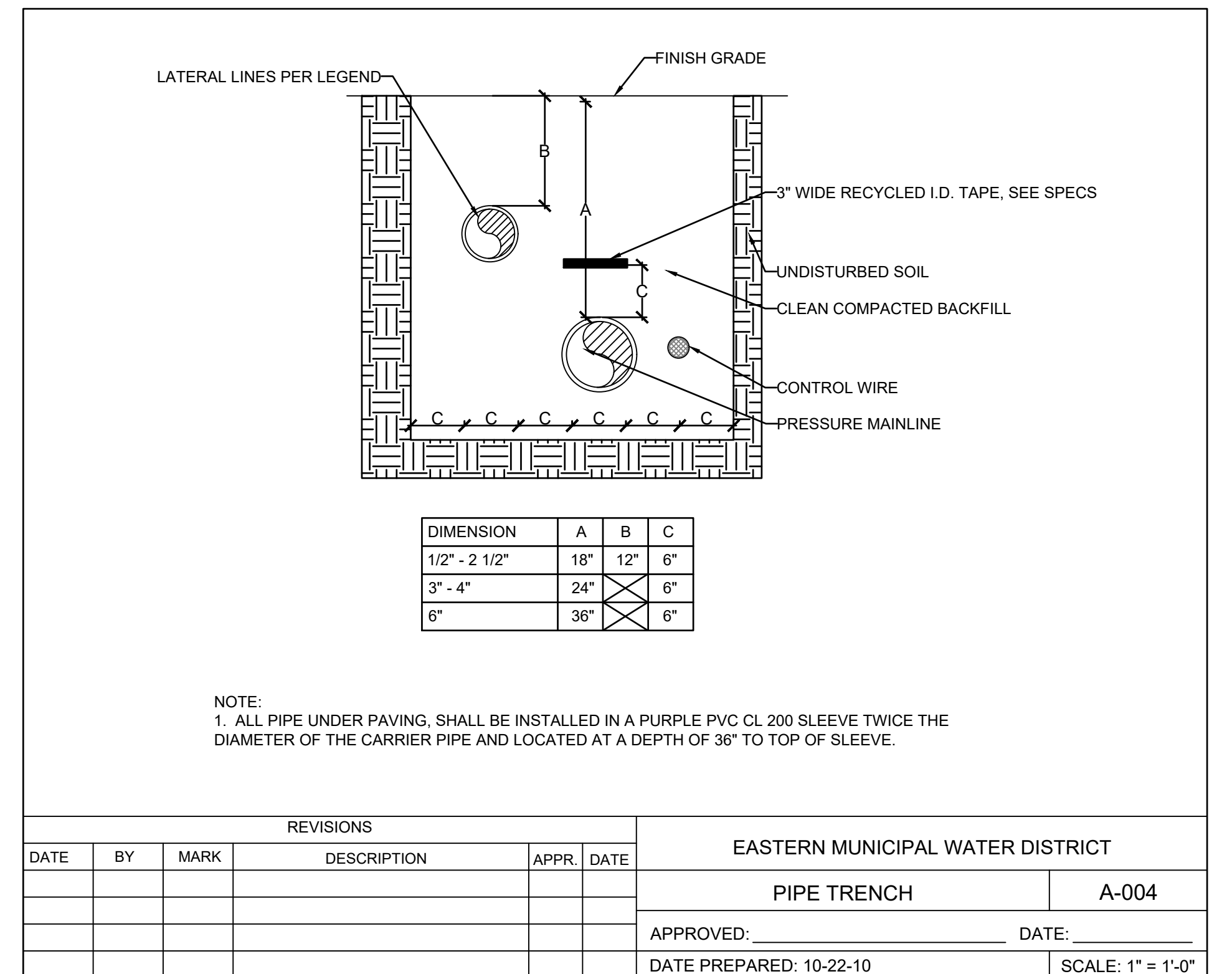
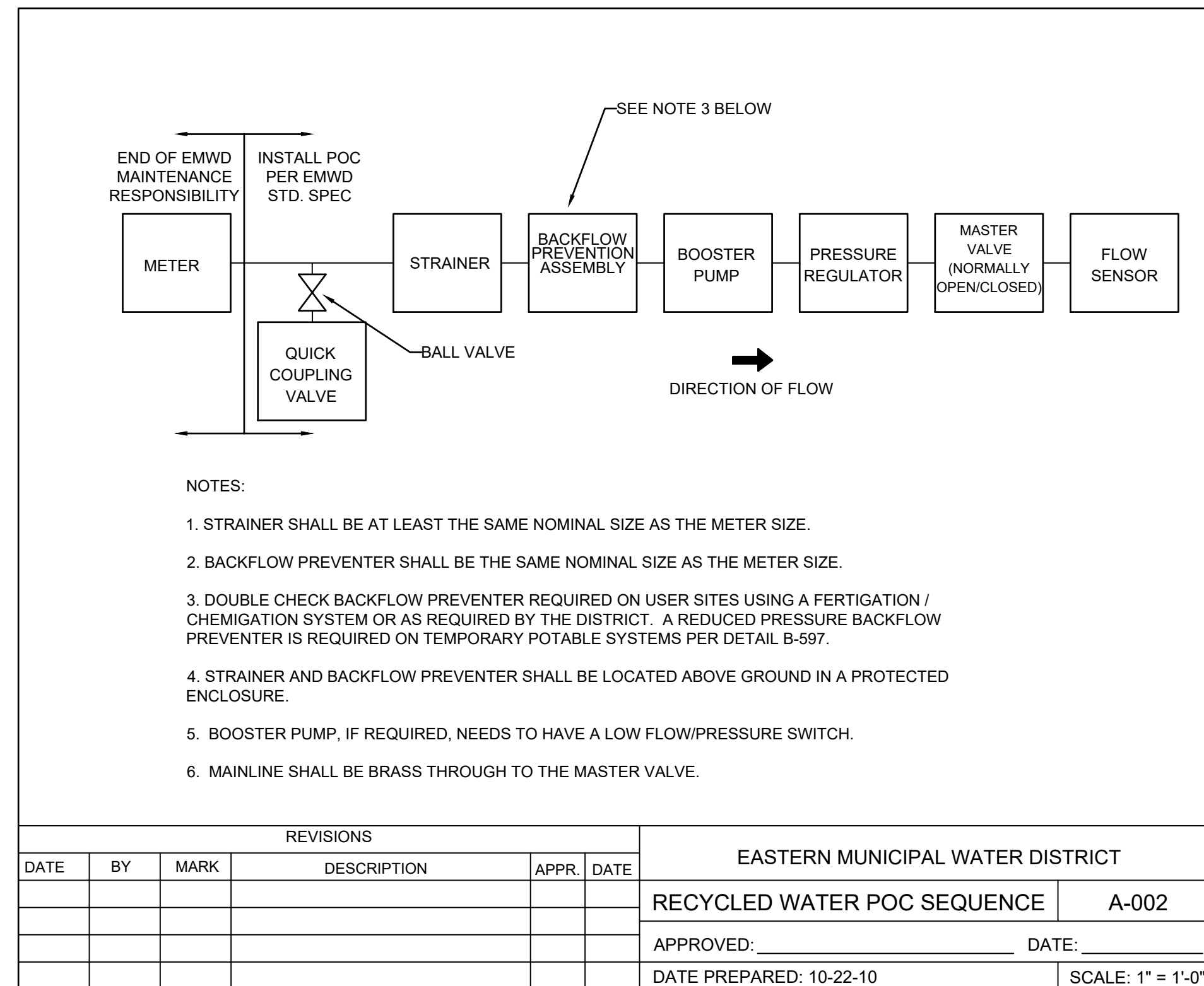
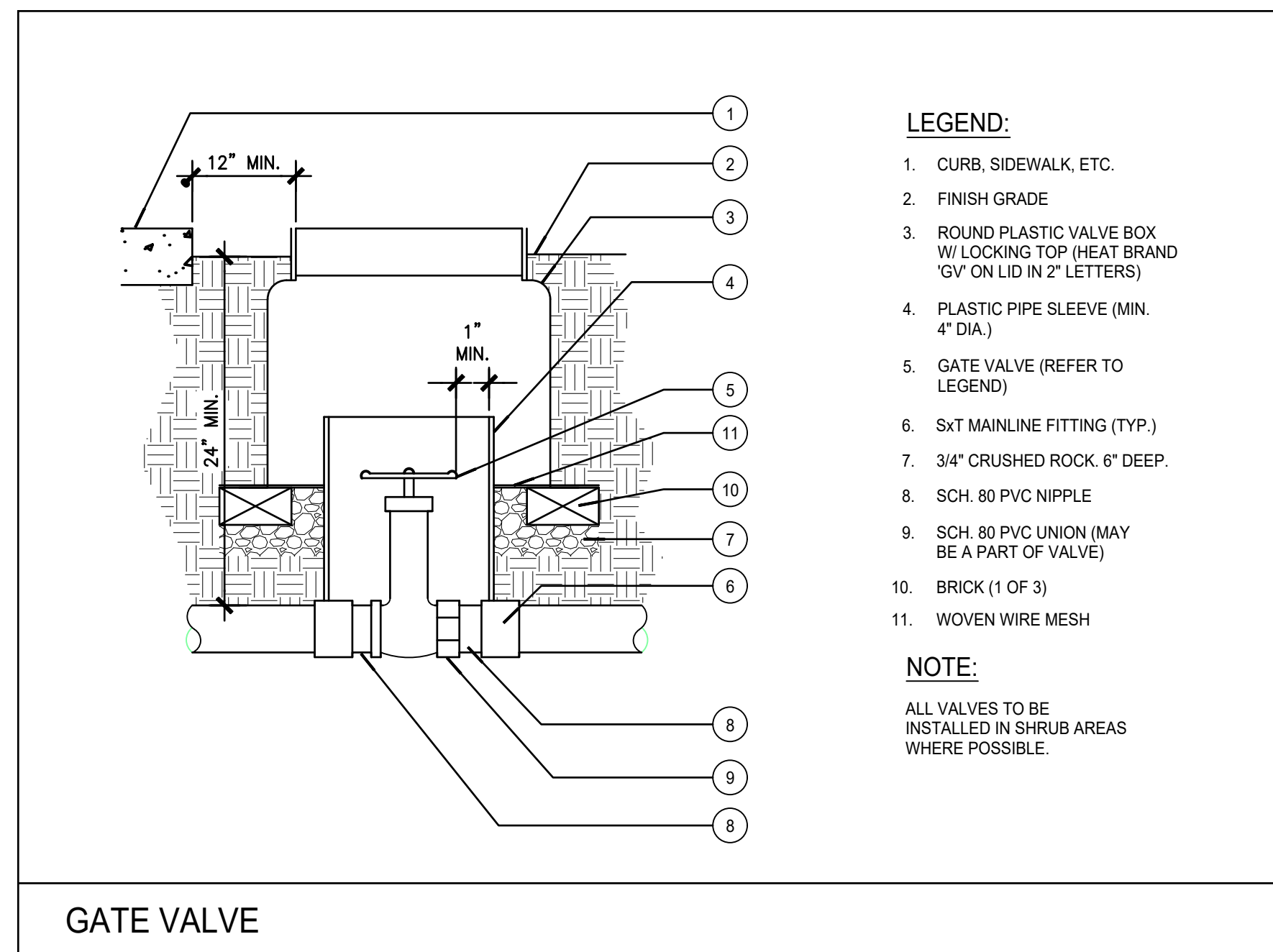
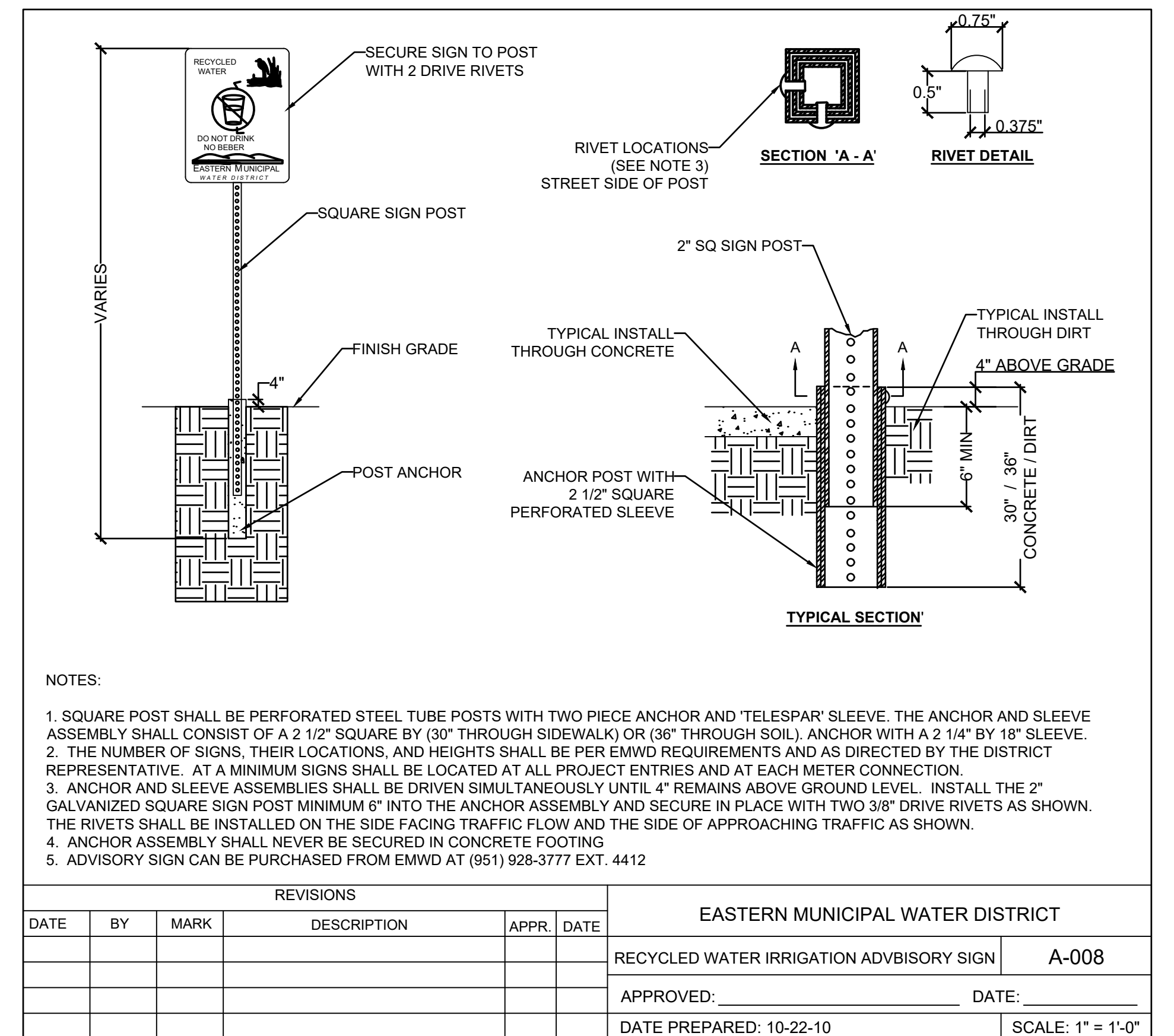
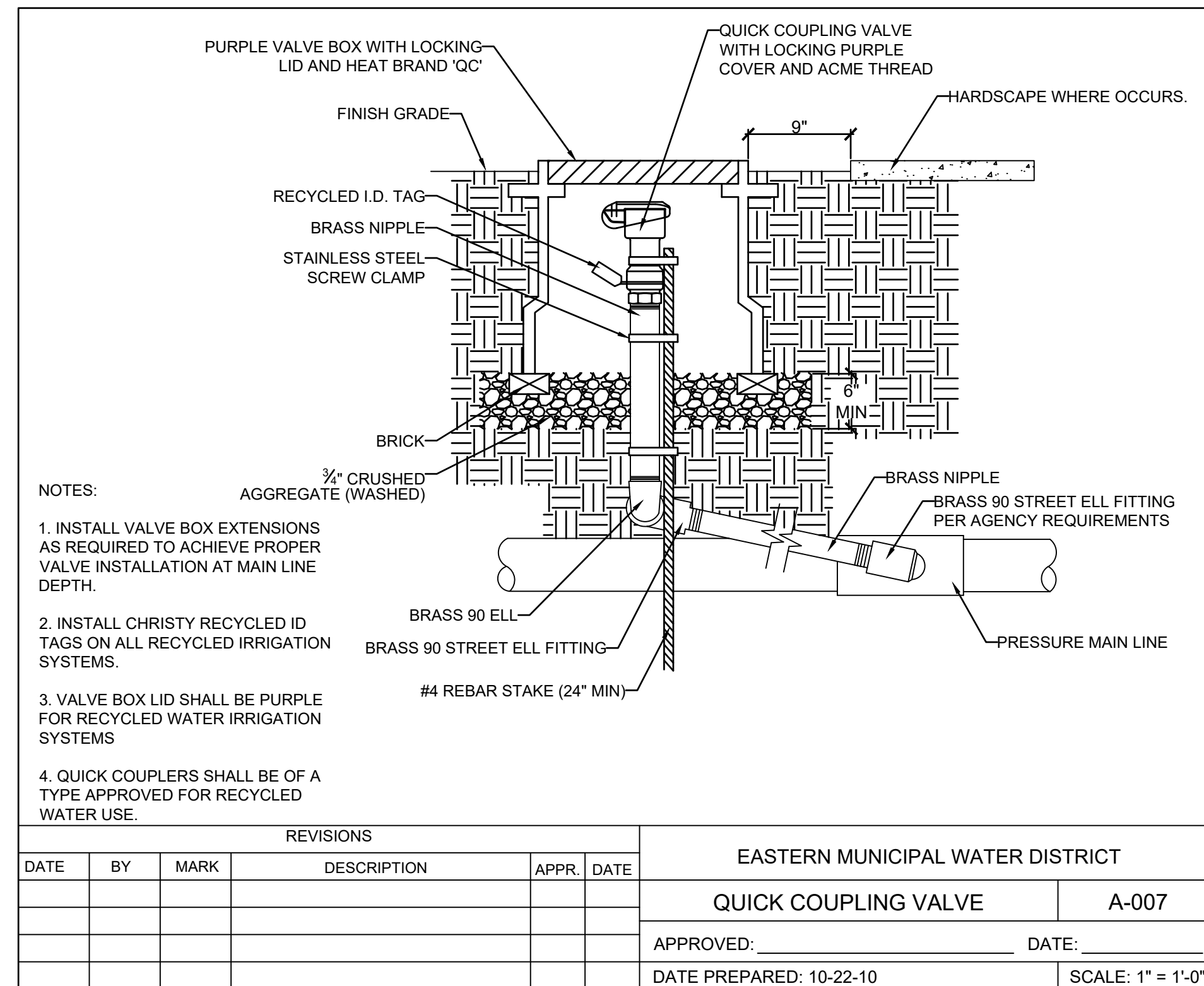
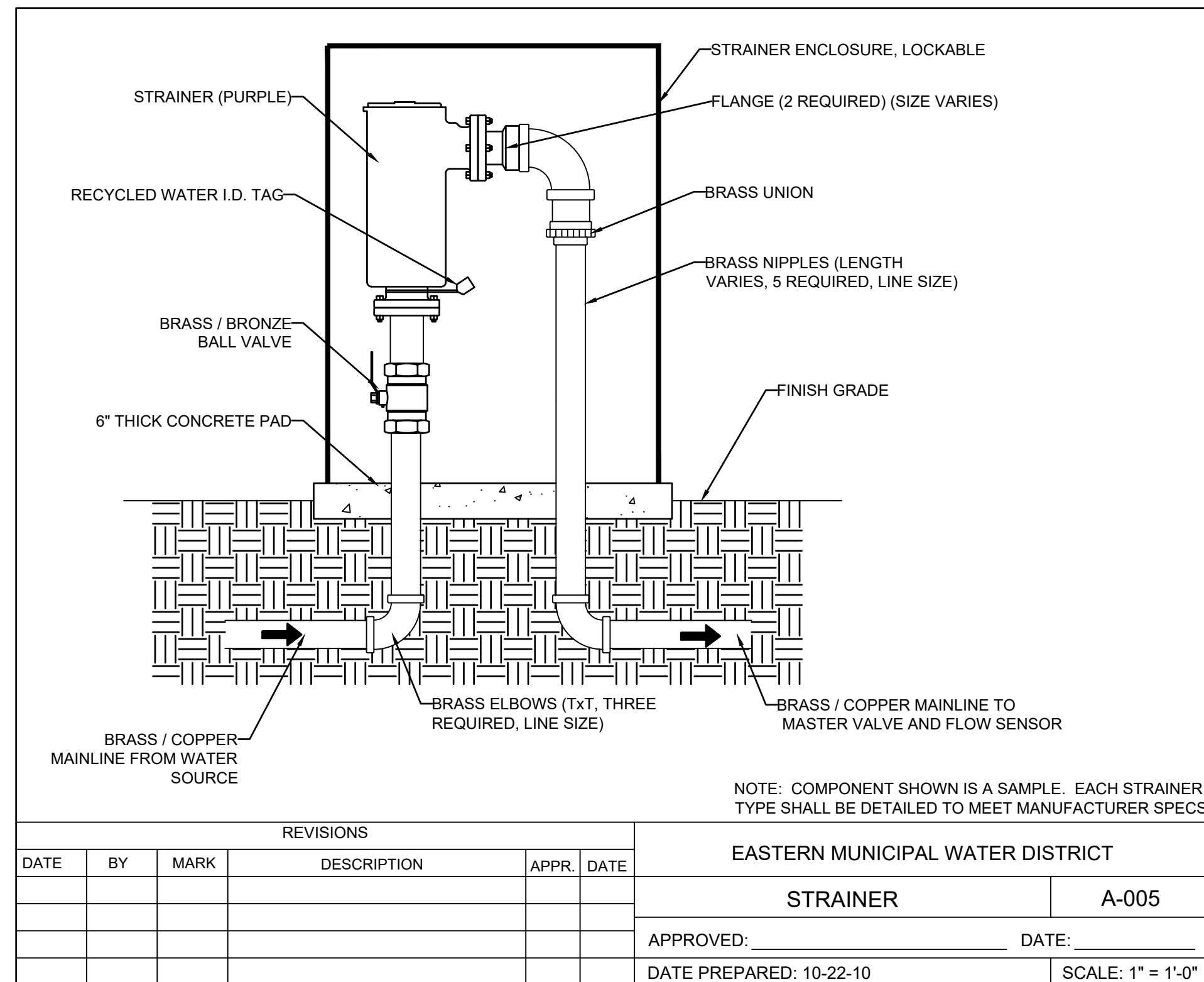
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**INSTALLATION NOTES**

THE MATERIALS AND THE INSTALLATION OF THE IRRIGATION SYSTEM SHOWN ON THIS PLAN SHALL MEET THE LATEST EMWD STANDARDS AND SPECIFICATIONS AT COMMENCEMENT OF WORK. IF CONTRACTOR NOTICES ANY INCONSISTENCIES WITH THE LATEST IRRIGATION DESIGN STANDARDS, ONE SHALL IMMEDIATELY NOTIFY ALL PARTIES.  
NO HOSE BIBS WILL BE ALLOWED FOR INSTALLATION ON SYSTEMS USING RECYCLED WATER.



<b>DIG ALERT</b>  Call: TOLL FREE 1-800-227-2600 OR 811 TWO FULL WORKING DAYS BEFORE YOU DIG	BENCH MARK DESCRIPTION: _____ LOCATION: _____ VERTICAL DATUM: _____ HORIZONTAL DATUM: _____	ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT DEPARTMENT: _____ ACCEPTANCE: <i>[Signature]</i> DATE: <b>1-20-2023</b>	REVISIONS 3/24/23 JP ▲ POC 70 POC RELOCATION	ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT <b>John Wuerth</b> SENIOR CIVIL ENGINEER DATE: <b>1/23/23</b>	VALLEY-WIDE RECREATION AND PARK DISTRICT WINCHESTER, CA. RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS POC #70 <b>IRRIGATION PLAN</b>	WO: 77444 PCWO: _____ DOPP: 14-A-10 RWUE: _____ COORD. 14-A-11 RWUP: _____ I.D. 98 SHT. <b>8</b> OF <b>11</b> S.A. 34 D-66139



**COLOR CODING**

SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. VALVE BOXES AND LIDS SHALL BE PURPLE PER INDUSTRY STANDARDS. THE LIDS SHALL HAVE THE WARNING "RECYCLED: DO NOT DRINK" IN ENGLISH AND SPANISH AND THE INTERNATIONAL "DO NOT DRINK" ON ONE SIDE AND "PELIGRO: AGUA IMPURA-NO BEBER" ON THE OPPOSITE SIDE. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS.

**INSTALLATION NOTES**

THE MATERIALS AND THE INSTALLATION OF THE IRRIGATION SYSTEM SHOWN ON THIS PLAN SHALL MEET THE LATEST EMWD AND VALLEY-WIDE RECREATION AND PARK DISTRICT STANDARDS AND SPECIFICATIONS. IF CONTRACTOR NOTICES ANY INCONSISTENCIES WITH THE LATEST IRRIGATION DESIGN STANDARDS, HE SHALL IMMEDIATELY NOTIFY ALL PARTIES.

NO HOSE BIBS WILL BE ALLOWED FOR INSTALLATION ON SYSTEMS USING RECYCLED WATER.

**DIG ALERT**  
 Call: TOLL FREE 1-800-227-2600 OR 811  
 TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 VERTICAL DATUM: \_\_\_\_\_  
 HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_  
 VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-2023

REVISIONS

DATE	BY	MARK	DESCRIPTION

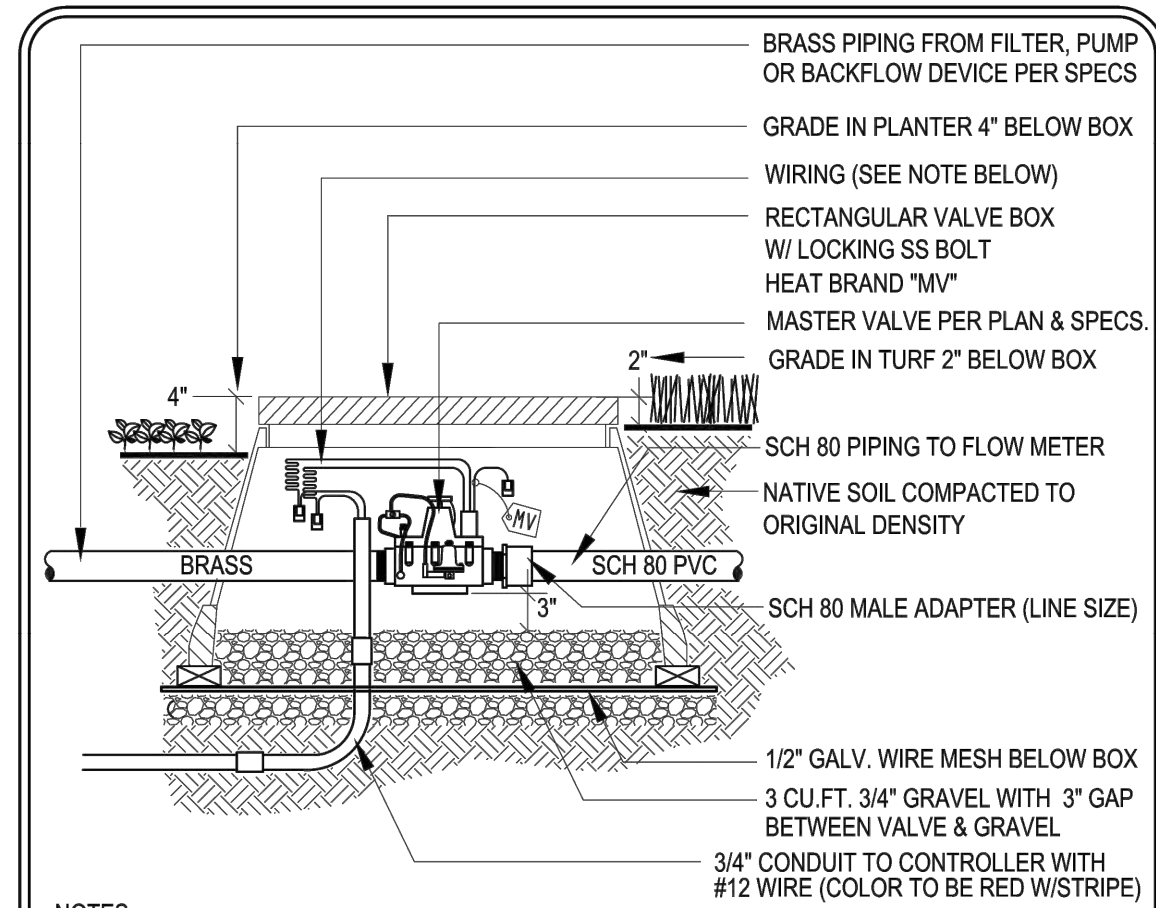
DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ ENGINEER DESCRIPTION

ACCEPTED BY: \_\_\_\_\_  
 EASTERN MUNICIPAL WATER DISTRICT  
**John Wuerth** 1/23/23  
 SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23

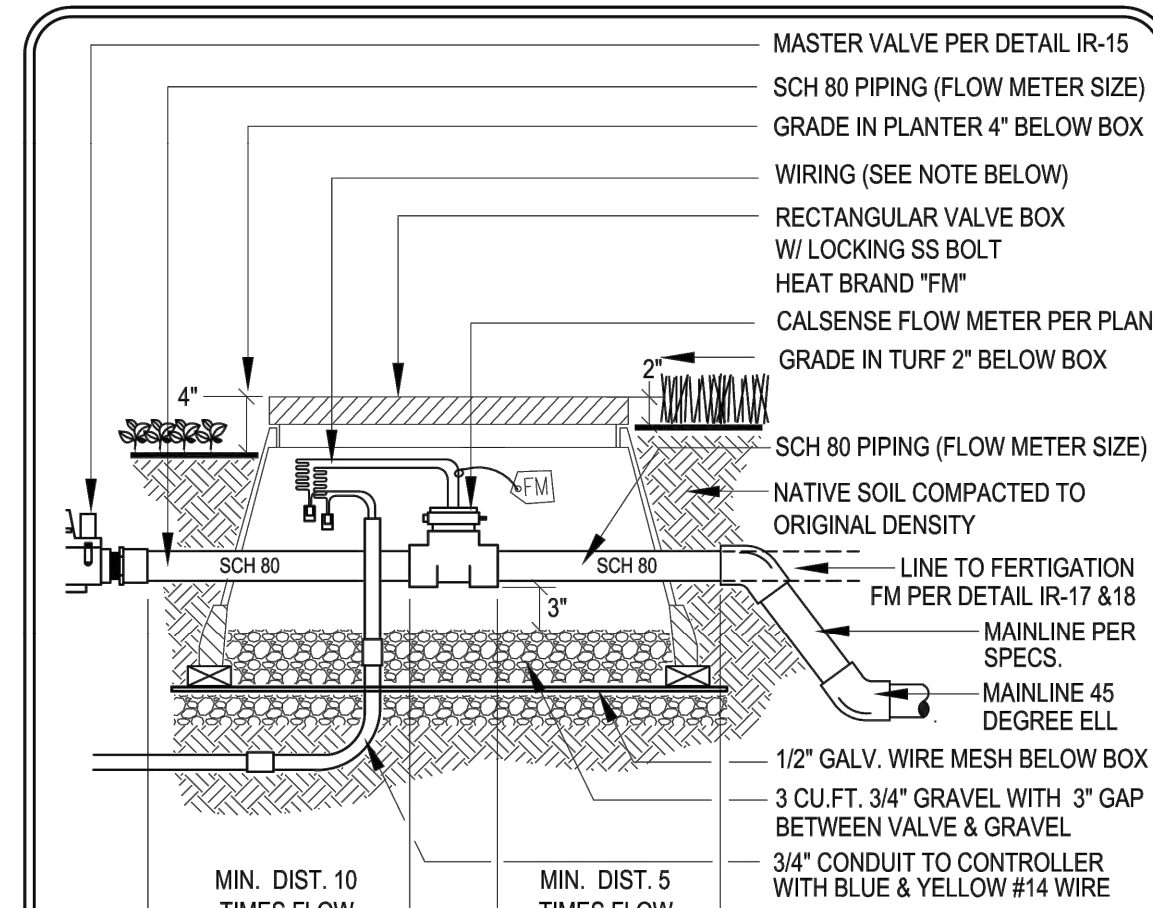
VALLEY-WIDE RECREATION AND PARK DISTRICT  
 WINCHESTER, CA.  
 RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
 POC #70  
 IRRIGATION DETAILS

WO: 77444  
 PCWO: \_\_\_\_\_  
 DOPP: 14-A-10 RWJUE: \_\_\_\_\_  
 COORD: 14-A-11 RWJUP: \_\_\_\_\_  
 I.D. 98 SHT. 9 OF 11  
 S.A. 34 D-66140



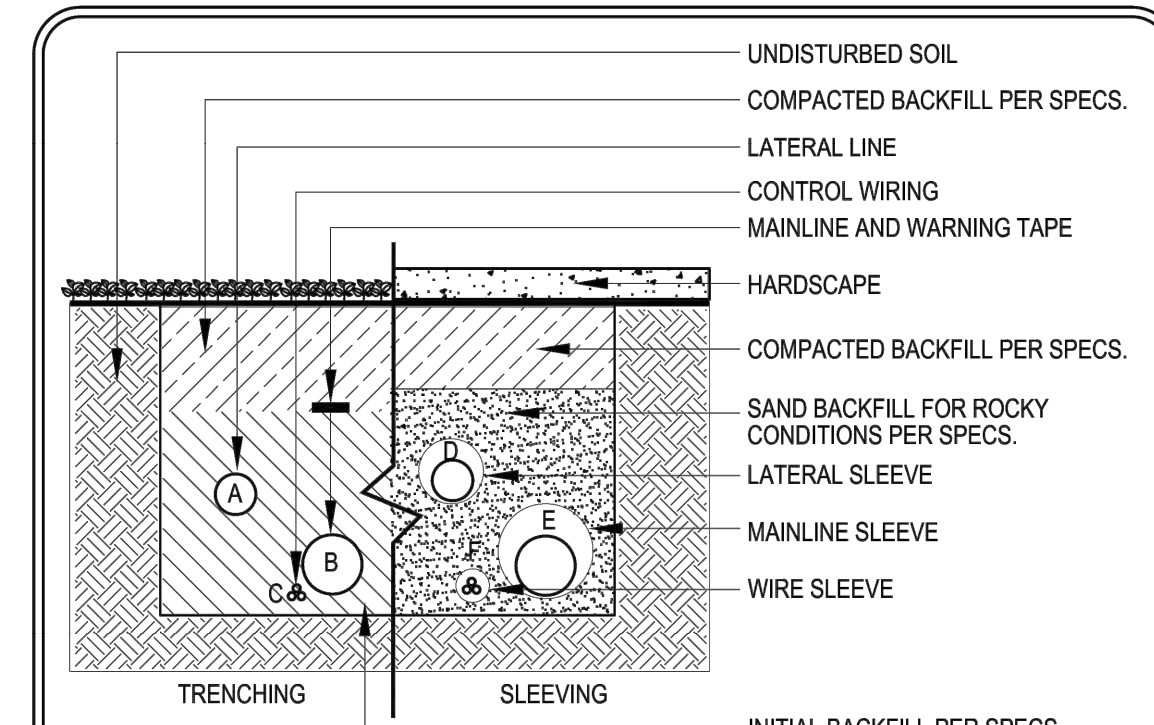
- NOTES:
1. ALL WIRING SHALL BE APPROVED BY THE DISTRICT PRIOR TO BACKFILL
  2. PROVIDE 24" LONG EXPANSION COILS AT EACH WIRE CONNECTION
  3. PROVIDE 4 EA. CONCRETE BRICKS UNDER VALVE BOX (TYP.)
  4. USE IRON DUCTILE FITTINGS FOR 4" & LARGER MAINLINE
  5. PROVIDE SEPARATE MASTER VALVE AND FLOW METER WHEN AN ADDITIONAL CONTROLLER IS SPECIFIED OR USE SINGLE MASTER VALVE AND FLOW METER WHEN THE "FL" OPTION IS USED FOR MULTIPLE CONTROLLERS AS APPROVED BY THE DISTRICT AND CALSENSE
  6. NEVER CONNECT SINGLE MASTER VALVES AND FLOW METERS TO BOTH CONTROLLERS
  7. PROVIDE BRASS PIPING IN LIEU OF SCH 80 PVC WHEN BRASS FLOW METER IS SPECIFIED
  8. SEAL WIRE CONNECTORS AND CONDUIT OPENING WITH HARDENING SEALANT PER SPECS.
  9. FLOW METERS 3" AND LARGER SHALL BE FLANGED. PROVIDE SPOOLS AND ADAPTERS AS REQ'D.
  10. MASTER VALVE SHALL BE STAINLESS STEEL W/PRESSURE REDUCING AND SURGE RELIEF OPTIONS

VALLEY-WIDE RECREATION & PARK DISTRICT  
**MASTER CONTROL VALVE**  
 IR-15  
 REV. 2012



- NOTES:
1. ALL WIRING SHALL BE APPROVED BY THE DISTRICT PRIOR TO BACKFILL
  2. PROVIDE 24" LONG EXPANSION COILS AT EACH WIRE CONNECTION
  3. PROVIDE 4 EA. CONCRETE BRICKS UNDER VALVE BOX (TYP.)
  4. USE IRON DUCTILE FITTINGS FOR 4" & LARGER MAINLINE
  5. PROVIDE SEPARATE MASTER VALVE AND FLOW METER WHEN AN ADDITIONAL CONTROLLER IS SPECIFIED OR USE SINGLE MASTER VALVE AND FLOW METER WHEN THE "FL" OPTION IS USED FOR MULTIPLE CONTROLLERS AS APPROVED BY THE DISTRICT AND CALSENSE
  6. NEVER CONNECT SINGLE MASTER VALVES AND FLOW METERS TO BOTH CONTROLLERS
  7. PROVIDE BRASS PIPING IN LIEU OF SCH 80 PVC WHEN BRASS FLOW METER IS SPECIFIED
  8. SEAL WIRE CONNECTORS AND CONDUIT OPENING WITH HARDENING SEALANT PER SPECS.
  9. PIPING AFTER FLOW METER CAN RUN DIRECTLY TO FERTIGATION FLOW METER WHEN USED

VALLEY-WIDE RECREATION & PARK DISTRICT  
**FLOW METER**  
 IR-16  
 REV. 2012

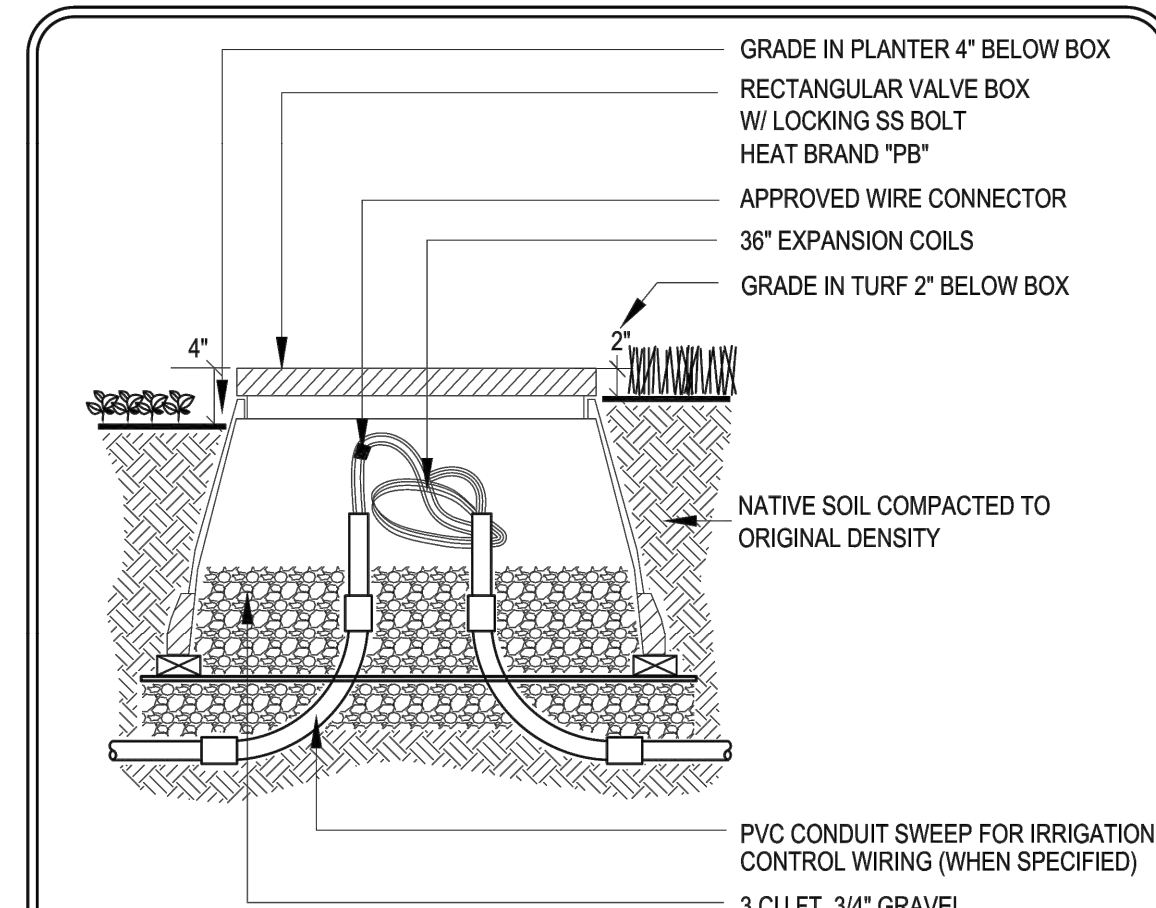


INITIAL BACKFILL PER SPECS.

DEPTH	A	B	C	D	E	F
4" & LARGER	-	30"	30"	36"	36"	36"
3" & SMALLER	18"	24"	24"	30"	36"	36"
2-1/2" & SMALLER	12"	24"	24"	24"	30"	30"
WIRING	-	-	BELOW MAIN	-	-	BELOW MAIN

- NOTES:
1. LINES MUST HAVE MIN. CLEARANCE OF 4" FROM EACH OTHER & 24" FROM OTHER TRADES
  2. RUN WIRING UNDER MAINLINE TAPE & BUNDLE @ 10" O.C.
  3. PROVIDE A 24" LOOP IN ALL WIRING AT CHANGES IN DIRECTION
  4. ALL SLEEVES MUST BE 2 TIMES THE DIAMETER OF THE PIPE WITHIN
  5. ALL SLEEVES MUST HAVE FOAM AT PIPE OPENING TO PREVENT DIRT ENTRY
  6. ALL SLEEVES MUST EXTEND 12" MIN. DISTANCE PAST CURB OR SIDEWALK
  7. CONTRACTOR MUST ADJUST MAINLINE AROUND ALL STREET LIGHT LOCATIONS

VALLEY-WIDE RECREATION & PARK DISTRICT  
**TRENCHING & SLEEVING**  
 IR-23  
 REV. 2012



- NOTES:
1. ALL WIRING MUST CONFORM TO LOCAL CODES
  2. PROVIDE 24" EXPANSION COILS AT EACH WIRE CONNECTION
  3. PROVIDE 3" CLEARANCE BETWEEN WIRES & BOX
  4. EPOXY ALL GAPS BETWEEN WIRE AND CONDUIT AT EXPOSED SWEEP ENDS
  5. PROVIDE 4 EA. CONCRETE BRICKS UNDER VALVE BOX (TYP.)
  6. NO WIRE SPLICES SHALL BE ALLOWED UNLESS APPROVED BY THE DISTRICT
  7. ALL SPARE WIRES FOR END OF RUN SHALL BE IN A PULL BOX TYP. AND SHALL BE LABELED IN BOX AND AT CONTROLLER
  8. PROVIDE PULL BOX FOR ALL WIRE SPLICES FOR RUNS OVER 2500 FEET OR AS APPROVED

VALLEY-WIDE RECREATION & PARK DISTRICT  
**PULL BOX**  
 IR-27  
 REV. 2012

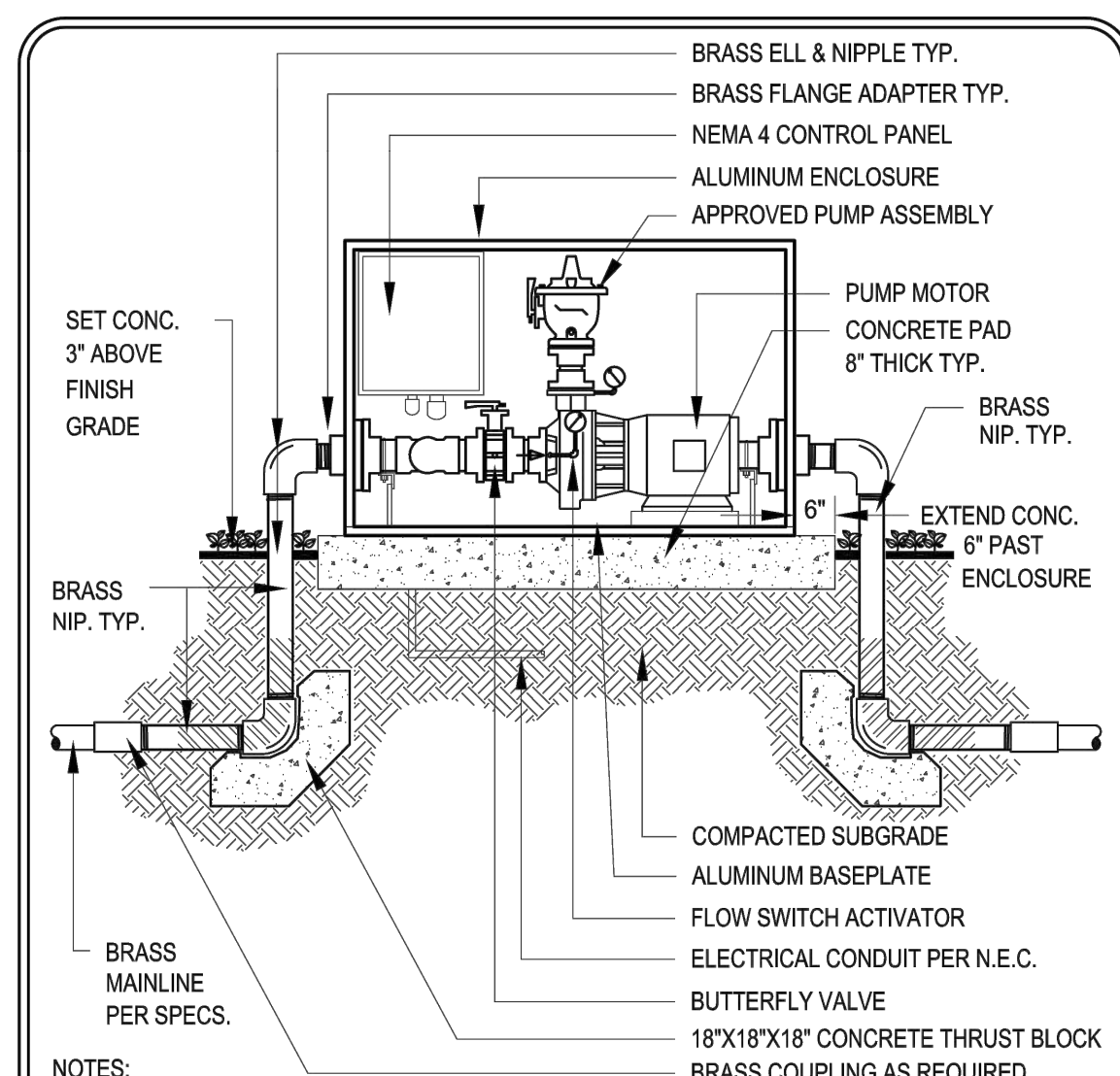
**INSTALLATION NOTES**

THE MATERIALS AND THE INSTALLATION OF THE IRRIGATION SYSTEM SHOWN ON THIS PLAN SHALL MEET THE LATEST ENWD AND VALLEY-WIDE RECREATION AND PARK DISTRICT STANDARDS AND SPECIFICATIONS. IF CONTRACTOR NOTICES ANY INCONSISTENCIES WITH THE LATEST IRRIGATION DESIGN STANDARDS, HE SHALL IMMEDIATELY NOTIFY ALL PARTIES.

NO HOSE BIBS WILL BE ALLOWED FOR INSTALLATION ON SYSTEMS USING RECYCLED WATER.

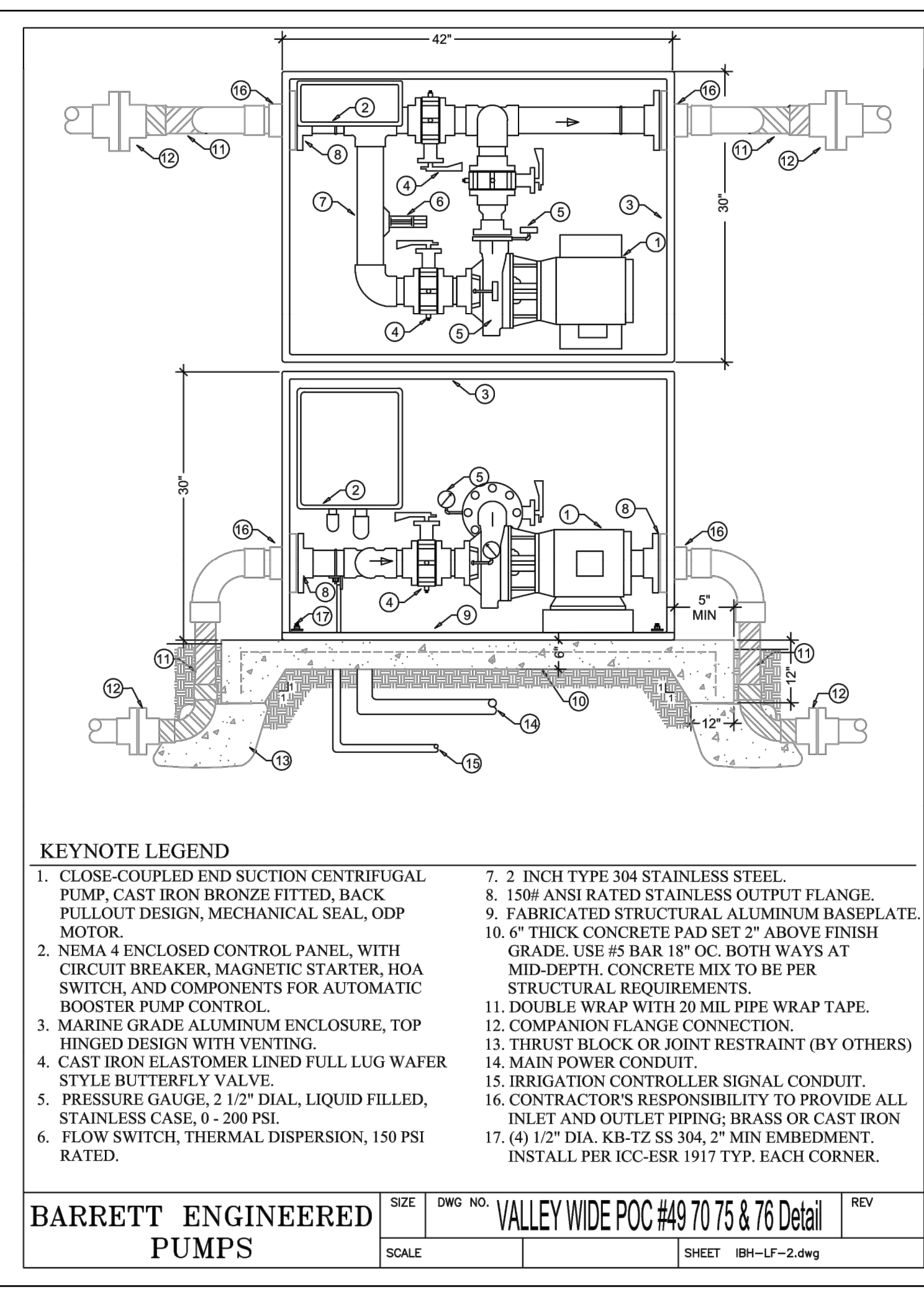
**COLOR CODING**

SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. VALVE BOXES AND LIDS SHALL BE PURPLE PER INDUSTRY STANDARDS. THE LIDS SHALL HAVE THE WARNING "RECYCLED; DO NOT DRINK" IN ENGLISH AND SPANISH AND THE INTERNATIONAL "DO NOT DRINK" ON ONE SIDE AND "PELIGRO; AGUA IMPURA-NO BEBER" ON THE OPPOSITE SIDE. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS.



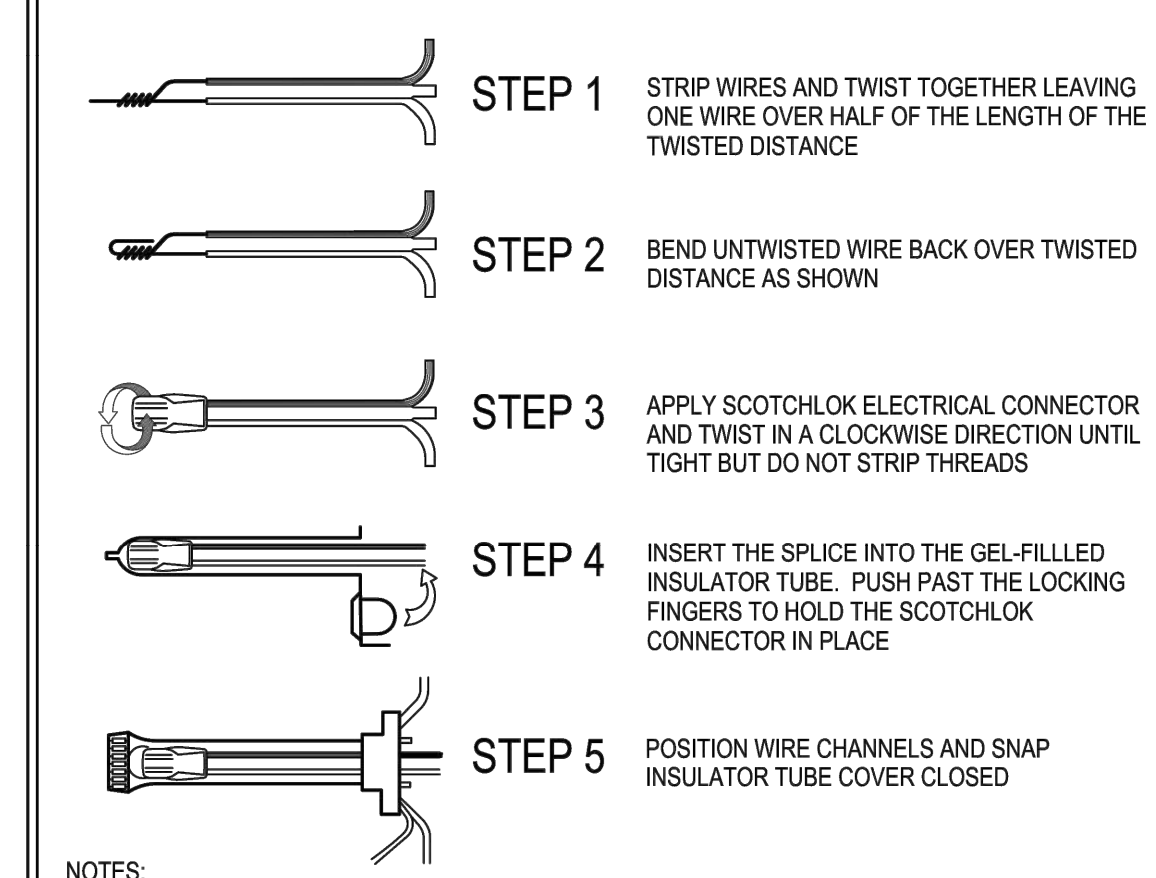
- NOTES:
1. BOOSTER PUMP SHALL BE PRE-ASSEMBLED BY BARRETT ENGINEERED PUMPS
  2. ALL PIPING OVER 4" SHALL BE FLANGED
  3. WRAP ALL PIPING WHERE CONCRETE OCCURS
  4. REFER TO PLANS FOR PROJECT SPECIFIC MODEL NUMBERS AND NOTES
  5. INSTALL FERTIGATION WIRING, PUMP AND CONTROLS PER DETAILS IR-17 & 18 AND FERTIGATION MANUFACTURER REQUIREMENTS

VALLEY-WIDE RECREATION & PARK DISTRICT  
**BOOSTER PUMP**  
 IR-14  
 REV. 2012



- KEYNOTE LEGEND**
1. CLOSE-COUPLED END SUCTION CENTRIFUGAL PUMP; CAST IRON BRONZE FITTED, BACK PULL-OUT DESIGN, MECHANICAL SEAL, ODP MOTOR.
  2. NEMA 4 ENCLOSED CONTROL PANEL, WITH CIRCUIT BREAKER, MAGNETIC STARTER, HOA SWITCH, AND COMPONENTS FOR AUTOMATIC BOOSTER PUMP CONTROL.
  3. MARINE GRADE ALUMINUM ENCLOSURE, TOP HINGED DESIGN WITH VENTING.
  4. CAST IRON ELASTOMER LINED FULL LUG WAFER STYLE BUTTERFLY VALVE.
  5. PRESSURE GAUGE, 2 1/2" DIAL, LIQUID FILLED, STAINLESS CASE, 0 - 200 PSI.
  6. FLOW SWITCH, THERMAL DISPERSION, 150 PSI RATED.
  7. 2 INCH TYPE 304 STAINLESS STEEL.
  8. 150# ANSI RATED STAINLESS OUTPUT FLANGE.
  9. FABRICATED STRUCTURAL ALUMINUM BASEPLATE.
  10. 6" THICK CONCRETE PAD SET 2" ABOVE FINISH GRADE. USE #5 BAR 18" OC. BOTH WAYS AT MID-DEPTH. CONCRETE MIX TO BE PER STRUCTURAL REQUIREMENTS.
  11. DOUBLE WRAP WITH 20 MIL PIPE WRAP TAPE.
  12. COMPANION FLANGE CONNECTION.
  13. THRUST BLOCK OR JOINT RESTRAINT (BY OTHERS)
  14. MAIN POWER CONDUIT.
  15. IRRIGATION CONTROLLER SIGNAL CONDUIT.
  16. CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL INLET AND OUTLET PIPING; BRASS OR CAST IRON (4) 1/2" DIA. KB-TZ SS 304, 2" MIN EMBEDMENT. INSTALL PER ICC-ESR 1917 TYP. EACH CORNER.

BARRETT ENGINEERED PUMPS  
 VALLEY WIDE POC #49 70 75 & 76 Detail  
 SHEET IBH-LF-2.dwg



- NOTES:
1. PROVIDE BLUE SEALANT IN ADDITION TO PRE-FILLED CONNECTOR
  2. PROVIDE WIRE CONNECTORS FOR ALL CONTROL WIRE SPLICES
  3. PROVIDE WIRE CONNECTORS AT ENDS OF ALL EXTRA WIRES
  4. WIRE SPLICES SHALL BE INSIDE VALVE BOXES AT VALVES OR FOR RUNS OVER 2500 FEET
  5. PROVIDE #12 CONTROL WIRE & #10 COMMON WIRE FOR RUNS OVER 2500 FEET
  6. SOLDER WIRE SPLICES FOR MASTER VALVE AND FLOW METER CONNECTIONS
  7. WIRE CONNECTORS SHALL BE 3M DBR-6 PER SPECS OR APPROVED EQUAL
  8. INSTALL WIRING PER DETAIL LC-23

VALLEY-WIDE RECREATION & PARK DISTRICT  
**WIRE CONNECTORS**  
 IR-28  
 REV. 2012

**DIG ALERT**  
 Call: TOLL FREE 1-800-227-2600 OR 811  
 TWO FULL WORKING DAYS BEFORE YOU DIG

BENCH MARK DESCRIPTION: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 VERTICAL DATUM: \_\_\_\_\_  
 HORIZONTAL DATUM: \_\_\_\_\_

ACCEPTED BY: VALLEY-WIDE RECREATION AND PARK DISTRICT

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1-20-2023

REVISIONS

DATE	BY	MARK	DESCRIPTION

ACCEPTED BY: EASTERN MUNICIPAL WATER DISTRICT  
**John Wuerth** 1/23/23  
 SENIOR CIVIL ENGINEER DATE

DEPARTMENT	ACCEPTANCE	DATE
NEW BUSINESS P.C.	<i>[Signature]</i>	1/23/23
OPERATIONS	<i>[Signature]</i>	1/23/23

VALLEY-WIDE RECREATION AND PARK DISTRICT  
 WINCHESTER, CA.  
 RECYCLED WATER IRRIGATION RETROFIT IMPROVEMENTS  
 POC #70  
 IRRIGATION DETAILS

DEPARTMENT	ACCEPTANCE	DATE
	<i>[Signature]</i>	1/23/23

WO: 77444  
 PCWO:  
 RWJW:  
 DOPP: 14-A-10  
 COORD: 14-A-11  
 RWUP:  
 I.D. 98 SHT. 10 OF 11  
 S.A. 34 D-66141

