

## **ADDENDUM NO. 1**

Date: June 13, 2023

This Addendum applicable to work designated herein shall be understood to be and is an Addendum and as such shall be part of and included in the Contract.

To all bidders for furnishing all labor and materials necessary for:

**DPW 21-513  
ISP-ITD Manufactured Housing Unit  
Driggs, Idaho**

Failure to acknowledge receipt of this Addendum on the bid proposal form may result in rejection of your bid.

### **GENERAL ITEMS**

1. Pre-Bid Conference meeting minutes are attached.

### **SPECIFICATIONS**

1. Replace BID PROPOSAL with attached BID PROPOSAL
2. Replace specification section 01233 "ALTERNATES" with attached specification section.

### **DRAWINGS**

1. Replace ALL drawings previously issued with attached drawings noted REV 1- Re-Issued 6/13/23.

**END OF ADDENDUM NO. 1**



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## Pre-bid Conference

**June 13, 2023 – 2:00 pm**

### DPW 21-513 ISP-ITD Manufactured Housing Unit – Driggs, Idaho

<b>Architect's Project Manager:</b> James Wyatt ph - 208-522-8779 fax - 208-522-8785	<b>Project description:</b> Project is located at 1549 Highway 33, Driggs, Idaho. Site development includes new paved roads, grading, landscaping, and stairs. Extend existing power, connect to City of Driggs water, and fiber. New septic system and drain field.  Three separate home sites will be constructed. Concrete foundations shall be included. The MHU will be Owner provided and installed.	
<b>Building square footage:</b> N/A	<b>Bid submission date and time:</b> June 22, 2023, at 2:00 P.M.	<b>Bid submission location:</b> NBW Architects, P.A. 990 John Adams Parkway Idaho Falls, Idaho 83403 208-522-8779
<b>Building permit issued by:</b> DOPL	<b>Construction Time:</b> 120 Calendar Days	<b>Liquidated damages/ day:</b> \$500.00

#### 1 Project Representatives and Attendees:

Gary Groff	DPW Project Manager	208-332-1919 <a href="mailto:Gary.groff@adm.idaho.gov">Gary.groff@adm.idaho.gov</a>
Marc French	ISP Agency Representative	208-884-7010 <a href="mailto:marc.french@isp.idaho.gov">marc.french@isp.idaho.gov</a>
Tony Pirc	ITD Agency Representative	
James Wyatt	NBW Architects, P.A.	208-522-8779 <a href="mailto:jhw@nbwarchitects.com">jhw@nbwarchitects.com</a>
TJ Centanni	Keller Associates	208-288-1992 <a href="mailto:tjcentanni@kellerassociates.com">tjcentanni@kellerassociates.com</a>
Celeste Penny	Breckon Land Design	208-376-5153 <a href="mailto:cpenny@breckonld.com">cpenny@breckonld.com</a>
Jim Schnittgen	Rivers West Construction	208-522-4758 <a href="mailto:jims@rwcidaho.com">jims@rwcidaho.com</a>



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2. **Bidding Information:**

- a. The successful bidder must supply:
  - 1) Workers Compensation Insurance\*
  - 2) Commercial Liability Insurance\*
  - 3) Automobile Liability Insurance\*
  - 4) Bid Bonds\* (5%)
  - 5) Performance and Payment Bonds \* (100%)
- \* The cost of the above to be included in the contractor's bid.
- b. The following documents MUST be included with the Bid
  - 1) Bid Bond 5% including Power of Attorney.
  - 2) Affidavit Concerning Alcohol and Drug Free Workplace.
  - 3) Signed Bidder Acknowledgement statement
- c. Division of Public Works license is required before bidding.

3. **Addenda:**

- a. All addenda will be issued by the Architect, by email, if possible, at least 4 days prior to bid opening.
- b. All verbal agreements or instructions must be confirmed by written addenda.
- c. Contractors are to bid the contract documents. Review documents carefully. Additional payments to the Contractor will not be made for items shown or specified in documents.
- d. Requests for clarification shall be in writing and received by the architect five working days minimum prior to bid opening.

4. **Bid Opening:**

- a. Sealed bids will be accepted up to the specified time. Bidding will be closed at the exact specified time. Any or all Bids may be rejected by the Owner without cause. Bids will be opened and reviewed in a meeting following the time for receipt of bids.
- b. Bids are to be submitted as outlined in the Project Manual.
- c. The bid form used will be the form provided. Faxed or emailed bids are not acceptable.
- d. The Owner reserves the right to reject any or all bids and to waive any irregularity therein.
- e. If all addenda are not acknowledged by number (1,2,3, etc.), on the bid form or if the bid form is not signed, all blanks not filled in or otherwise improperly filled out, the bid will be considered non-responsive.
- f. The bid amount is to be listed in both written and numerical form. If there is a discrepancy between the two, the written amount will be used.

5. **Additional Items of Discussion:**

- a. No substitutions of materials or products not authorized by addendum.
- b. Review drawings and specs.
- c. Additional sets of plans available.
- d. Contact NBW office to be added to the bidders list.

6. **Questions**



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## SECTION 012300 – ADD ALTERNATES

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

#### 1.2 DEFINITIONS

- A. Add Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
  - 2. The cost for each alternate is the net addition to the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

#### 1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.



PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: Site Development of Lots 3 and 4

1. Base Bid: Construct foundation for Manufactured Home, rough grading and extend utilities to location designated, construct septic system, and drain field.
2. Alternate: Install complete landscape package including but not limited to fine grading, plantings, and lawn irrigation system. Construct sidewalks, fencing and deck.

END OF SECTION 012300



## BID PROPOSAL

**TO:** STATE OF IDAHO  
DIVISION OF PUBLIC WORKS

To Whom it May Concern:

The Bidder, in compliance with your Invitation for Bids for the construction of DPW 21-513, ISP-ITD Manufactured Housing, Driggs, ID , having examined the bidding and Contract Documents and the site of the proposed Work, and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of materials and labor, hereby proposes to furnish all labor, materials and supplies and to provide the service and insurance in accordance with the Contract Documents, within the time set forth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents.

Bidder hereby agrees to commence Work under this Contract on a date to be specified in the written "Notice to Proceed" of the Owner and to substantially complete the Project within 120 consecutive calendar days thereafter, as stipulated in the specifications. Bidder further agrees to pay as liquidated damages, the sum of \$ 500.00 for each consecutive calendar day after the established substantial completion date or adjusted date as established by change order.

Bidder acknowledges receipt of Addenda No. \_\_\_\_\_.  
(List all Addenda)

**BASE PROPOSAL:** Bidder agrees to perform all of the base proposal Work described in the specifications and shown on the plans for the sum of:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)  
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

**ALTERNATE No. 1 – Landscaping, Lots 3 & 4:** Bidder agrees to perform all the alternate no. 1 proposal Work described in the specifications and shown on the plans for the sum of:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)  
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informality in the bidding.

The bidder agrees that this bid shall be good for a period of forty-five (45) calendar days after the scheduled opening time for receiving bids.

Upon receipt of written Notice of Intent to Award of this bid, Bidder will execute the formal Contract within ten (10) calendar days and deliver a Surety Bond or Bonds as required by paragraph "Performance and Payment Bonds" first page (ITB-1) of the Instructions to Bidders.



The bid security in the amount of five percent (5%) of the bid amount is to become the property of the Owner, in the event the Contract and bond are not executed within the time set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

The names and addresses of the entities who will perform the Work identified below, subject to approval of Owner and Architect, if Undersigned is awarded the Contract, are as follows:

Plumbing (PWCL Category 15400)

(Name) \_\_\_\_\_

(Address) \_\_\_\_\_

Idaho Public Works Contractors License No. \_\_\_\_\_

Idaho Electrical Contractors License No. \_\_\_\_\_

Electrical (PWCL Category 16000)

(Name) \_\_\_\_\_

(Address) \_\_\_\_\_

Idaho Public Works Contractors License No. \_\_\_\_\_

Idaho Electrical Contractors License No. \_\_\_\_\_

**FAILURE TO NAME A PROPERLY LICENSED SUBCONTRACTOR IN EACH OF THE ABOVE CATEGORIES WILL RENDER THE BID UNRESPONSIVE AND VOID.**

Should the listing of subcontractors change due to selection of alternates or other similar circumstances, attach explanation.

Bidder warrants that bid has been prepared and that any contract resulting from acceptance of this bid is subject to the Fixed Price Construction Contract.

The undersigned notifies that it is of this date duly licensed as an Idaho Public Works Contractor and further that it possesses Idaho Public Works Contractor's License No. \_\_\_\_\_, and is domiciled in the State of \_\_\_\_\_.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
(date) (month) (year)

Respectfully submitted by:

\_\_\_\_\_  
(Contractor's Name- Typed)

\_\_\_\_\_  
(Street or PO Address)



(City, State and zip code)

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(Authorized Signature)

---

(Title)

---

(Telephone Number)

---

(FAX Number)

---

(Email Address)

**Have you remembered to include bid security (bid bond or a certified or cashier's check), Contractor's Affidavit Concerning Alcohol and Drug-Free Workplace and a signed copy of the Bidder's Acknowledgment Statement with your bid?**



This is not a building permit  
Plan Approval #BLD2210-00046  
Date: 11/09/22  
These documents have been reviewed  
for code compliance by the Division of  
Occupational and Professional  
Licenses. This approval shall not be  
construed to be an approval of any  
violation of, or variance from, Idaho's  
adopted codes, standards, rules or laws  
applicable to this project. Corrections  
will be required for any code violations  
found during the inspection process.

DPW PROJECT NO. 21-513

# ISP-ITD MANUFACTURED HOUSING UNIT

DRIGGS, IDAHO

This is a new manufactured home; it is required by law and rules of the Division of Occupational and Professional Licenses that separate manufactured home installation permit and installation tag (permit) be obtained and completed with inspections before occupancy.

See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.

SYMBOLS LEGEND	
<b>DETAIL</b> SCALE: 7" = 1'-0"	 DETAIL NUMBER DETAIL TITLE TAG PAGE NUMBER
<b>ELEVATION</b> SCALE: 7" = 1'-0"	 DETAIL NUMBER ELEVATION TITLE TAG PAGE NUMBER
<b>HEAD</b> SCALE: 7" = 1'-0"	 DETAIL NUMBER HEAD DETAIL TAG PAGE NUMBER
<b>JAMB</b> SCALE: 7" = 1'-0"	 DETAIL NUMBER JAMB DETAIL TAG PAGE NUMBER
<b>SECTION</b> SCALE: 7" = 1'-0"	 DETAIL NUMBER SECTION TITLE TAG PAGE NUMBER
<b>SILL</b> SCALE: 7" = 1'-0"	 DETAIL NUMBER SILL DETAIL TAG PAGE NUMBER
<b>TITLE</b> SCALE: 7" = 1'-0"	 MAIN TITLE TAG
 ELEV. 100'-0" FINISHED FLOOR	ELEVATION HEIGHT TAG
 REVISION TAG	 BREAK LINE
 ROOF TYPE TAG	 SECTION NUMBER BUILDING SECTION TAG PAGE NUMBER
 ROOM ROOM NAME ROOM NAME TAG ROOM NUMBER	 CEILING TYPE CEILING TAG CEILING HEIGHT
 SECTION NUMBER WALL SECTION TAG PAGE NUMBER	 DETAIL NUMBER DETAIL TAG PAGE NUMBER
 WALL TYPE TAG	 DOOR TAG
 WINDOW TAG	 DRAWING NOTE
 FLOOR TYPE TAG	 ELEVATION TAG
 NORTH ARROW	

## CONSTRUCTION SITE

### VICINITY MAP



### MODULAR / RESIDENTIAL PLAN REVIEW NOTES

These notes shall be attached to the IDOPL stamped approved plans and documents.

BLD2210-00046

Site work only

The modular building unit when assembled in the factory meets the code requirements for the modular building unit only, as the plans were submitted to the Idaho Division of Occupational and Professional Licenses (IDOPL).

Section 110.5, 2018 IRC. Inspection requests. It shall be the duty of the holder of the building permit or their duly authorized agent to notify the building official when work is ready for inspection. It shall be the duty of the permit holder to provide access to and means for inspections of such work that are required by this code. (see section 110.3 2018 IRC. for required inspections)

The Notice to Local Enforcement Agency (N.L.E.A.) form outlines possible code required/permitted work that requires site completion. The N.L.E.A. form is a component of the Idaho approved modular building plan submittal. The N.L.E.A. form should be reviewed by the local jurisdiction for information regarding the installation of the modular building on-site.

R106.4, 2018 IRC. Amended construction documents.

Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents. Resubmittal may be required for any reason at the inspector's discretion.

Section 110.1, 2018 IRC. Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of the code or of other ordinances of the jurisdiction. Inspections presuming to give authority to violate or cancel the provisions of this code or of other ordinances of the jurisdiction shall not be valid.

The local jurisdiction may request an IDOPL approved set of the modular plans for verification of any jurisdictional codes and regulation requirements.

It is up to the local jurisdiction to ensure complete code compliance and approval for local site installations, to include but not limited to: all site work, exact location from lot lines and separation distances from other structures, structural stability and any fire assembly requirements that may be required for the complete project.

"Planning and Zoning" is not part of the modular building plan review.

Code required inspections for the construction of the modular building in the factory shall be performed by the applicable inspector(s) and in accordance with the IDOPL approved plan submittal and all Idaho adopted codes.

It is the responsibility of the owner the design professionals and the contractor to ensure complete code compliance for this project.

Any lack of information, questions or deviations shall be brought to the attention of the registered design professional of record for approval.

Final approval of all code compliance for this project will be based upon the 2018 IRC through field inspections, verifications and approval by the field inspectors.

DRAWING INDEX	
ARCHITECTURAL	
A1.0	TITLE SHEET AND INDEX
A2.0	FLOOR & FOUNDATION PLAN
A3.0	DECK LAYOUT & FRAMING
CIVIL	
C1.0	GENERAL CIVIL NOTES
C1.1	DEMOLITION PLAN & PROJECT CONTROL
C1.2	CIVIL SITE PLAN
C1.3	GRADING PLAN
C1.4	NOT USED
C1.5	UTILITY PLAN - CITY WATER & SEPTIC
C1.6	CIVIL DETAILS
C1.7	CIVIL DETAILS
LANDSCAPE	
L1.1	LANDSCAPE PLAN
L1.5	LANDSCAPE DETAILS
L2.0	GENERAL IRRIGATION PLAN
L2.1	IRRIGATION PLAN AREA ONE
L2.2	IRRIGATION PLAN AREA TWO
L2.3	IRRIGATION PLAN AREA THREE
L2.4	IRRIGATION PLAN AREA FOUR
L2.5	IRRIGATION DETAILS
L2.6	IRRIGATION DETAILS

CONSULTANTS	
CIVIL ENGINEERS:	KELLER ASSOCIATES, INC. 100 EAST BOWER STREET, SUITE 110 MERIDIAN, IDAHO 83642 TELEPHONE: (208) 288-1992
LANDSCAPE ARCHITECT:	BRECKON LANDSCAPE DESIGN 6861 NORTH GLENWOOD ST. GARDEN CITY, ID. 83714 TELEPHONE: 208376-5153

WORK SCOPE	
BASE BID	ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS. SCOPE INCLUDES BUT IS NOT LIMITED TO: SUPPORTING FOOTINGS & FOUNDATIONS FOR AGENCY PROVIDED MANUFACTURE HOUSING AND INSTALLATION OF UTILITIES TO SUPPORT THE HOUSING UNIT. LANDSCAPING OF ENTIRE SITE EXCLUDING BUILDING LOTS 3 AND 4.
ALTERNATE #1:	COMPLETE LANDSCAPING INCLUDING PLANTING AND AUTOMATIC SPRINKLER SYSTEM FOR BUILDING LOTS 3 AND 4.

Agency Construction Approval No. 1 for project 2021513 ISP-ITD, Manu. Housing Unit, Driggs

2021513 ISP-ITD, Manu. Housing Unit, Driggs

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Project Number: 2021513

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2021513 ISP-ITD, Manu. Housing Unit, Driggs

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Project Number: 2021513

DPW PROJECT NO. 21-513

PROJECT:

REVISIONS

1 RE-ISSUED 6/13/23

PROJECT NO.:

21018

DATE:

MARCH 2022

DRAWN BY:

JIM

CHECKED BY:

JIM

DRAWING NO.:

A1.0

ISP-ITD MANUFACTURED HOUSING UNIT  
DRIGGS, IDAHO

TITLE SHEET AND INDEX

nbwarchitects p.a.  
ARCHITECTURE / PLANNING / INTERIORS  
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212  
(P) 208-522-8779 (F) 208-522-8785 (M) nbwarchitects.com

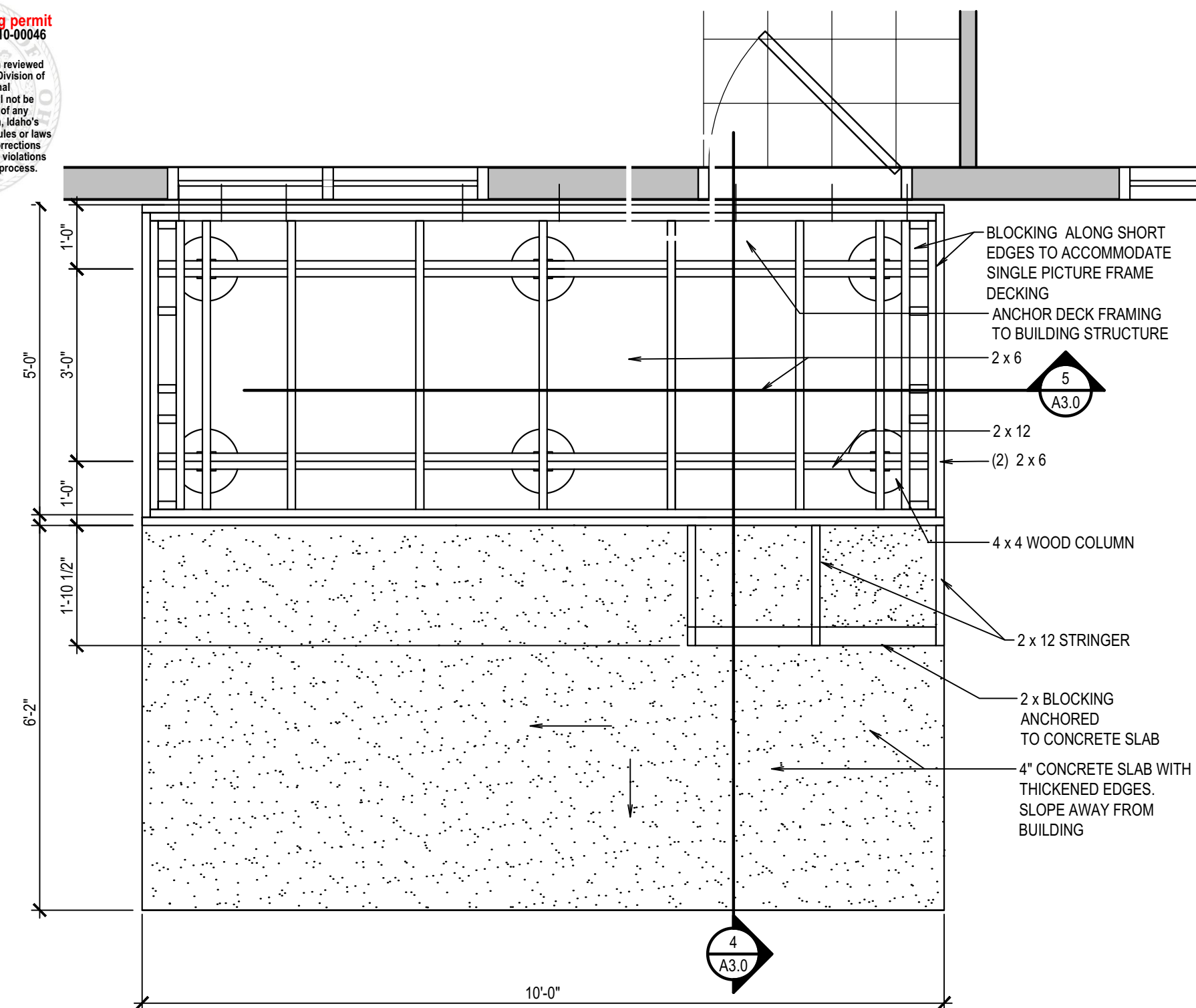
LICENSED ARCHITECT  
JAMES WYATT  
108-24-25  
JAMES WYATT  
STATE OF IDAHO







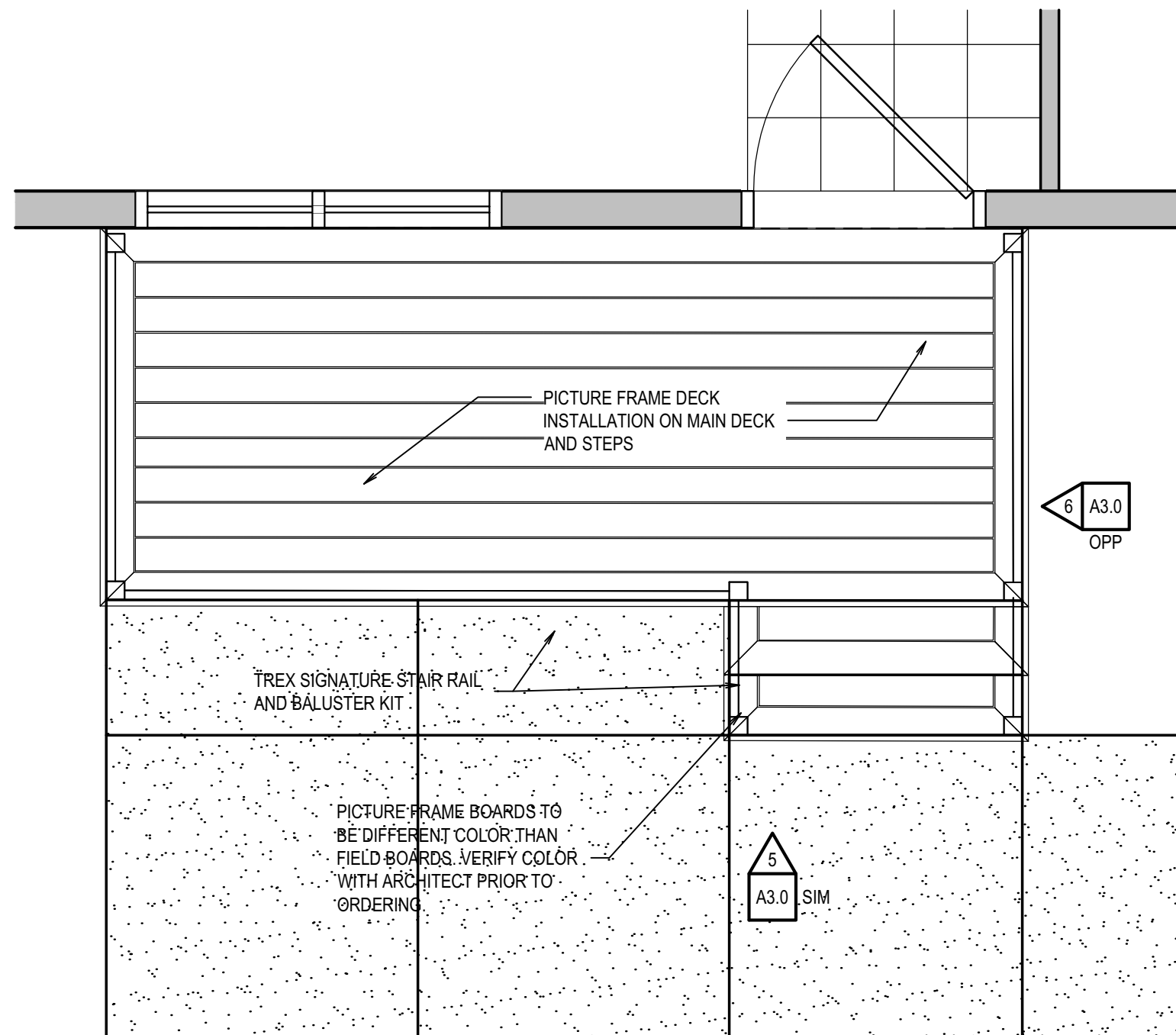
**This is not a building permit**  
Plan Approval #:BLD2210-00046  
Date:11/30/22  
These documents have been reviewed for code compliance by the Division of Occupational and Professional Licenses. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, rules or laws applicable to this project. Corrections will be required for any code violations found during the inspection process.



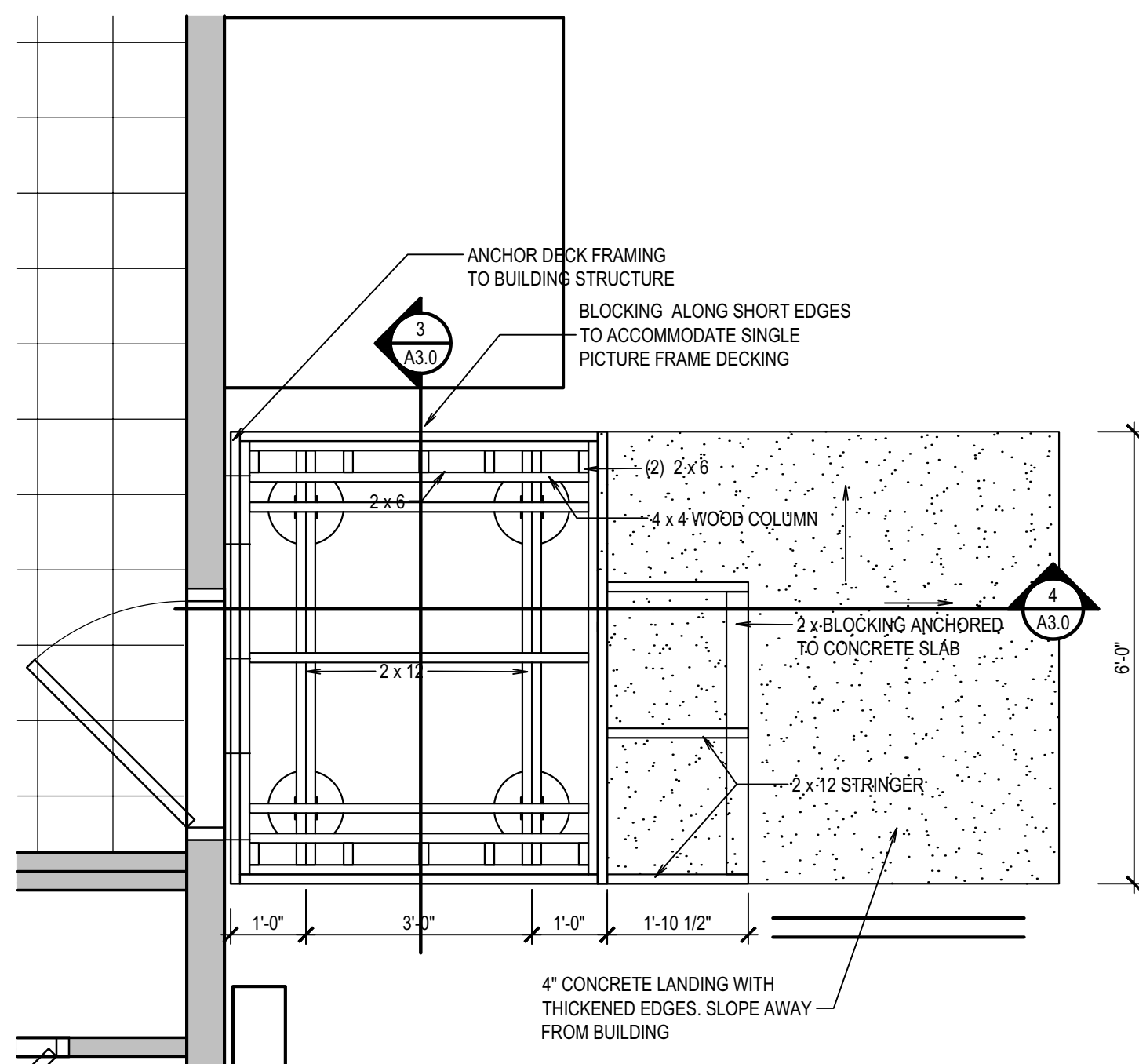
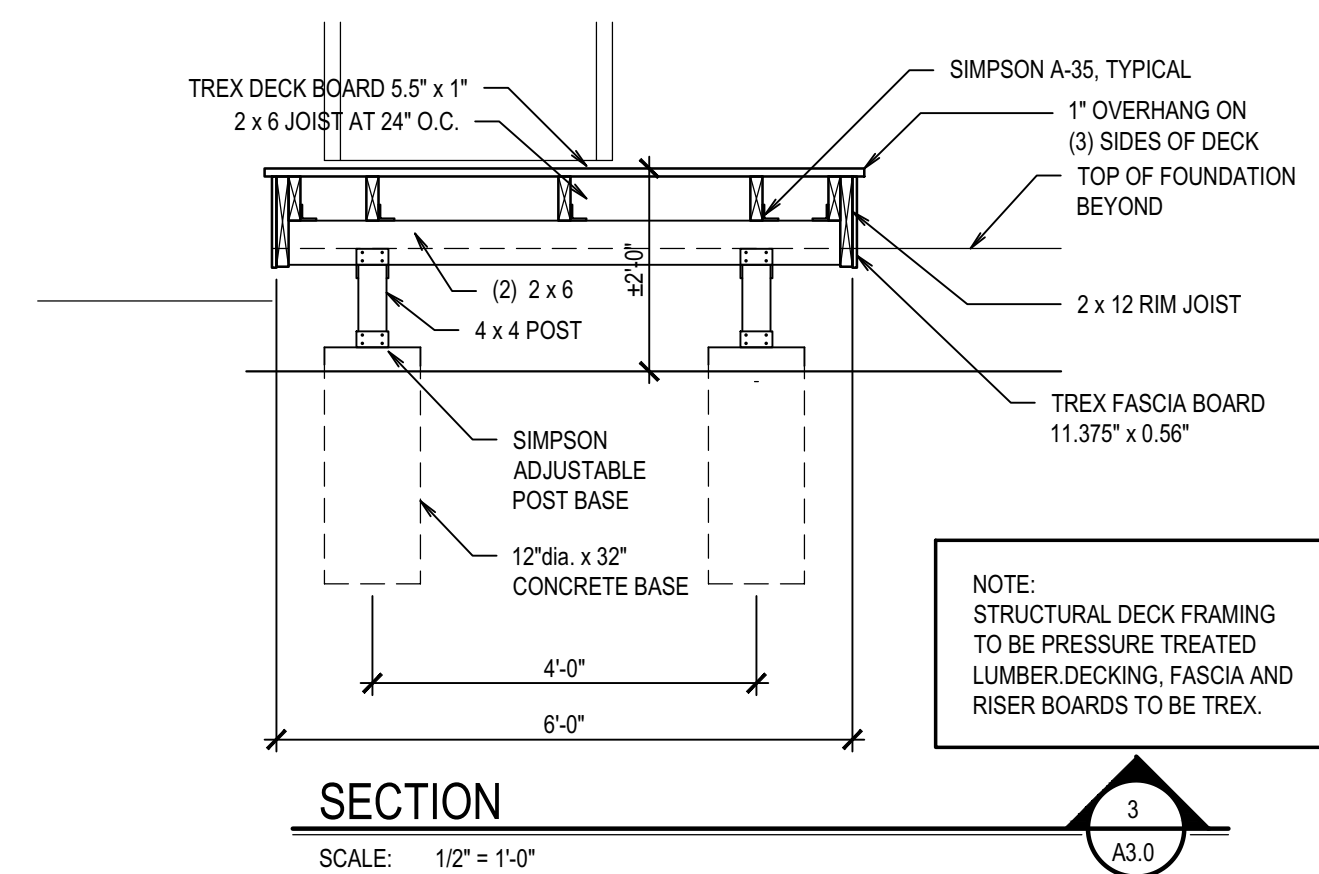
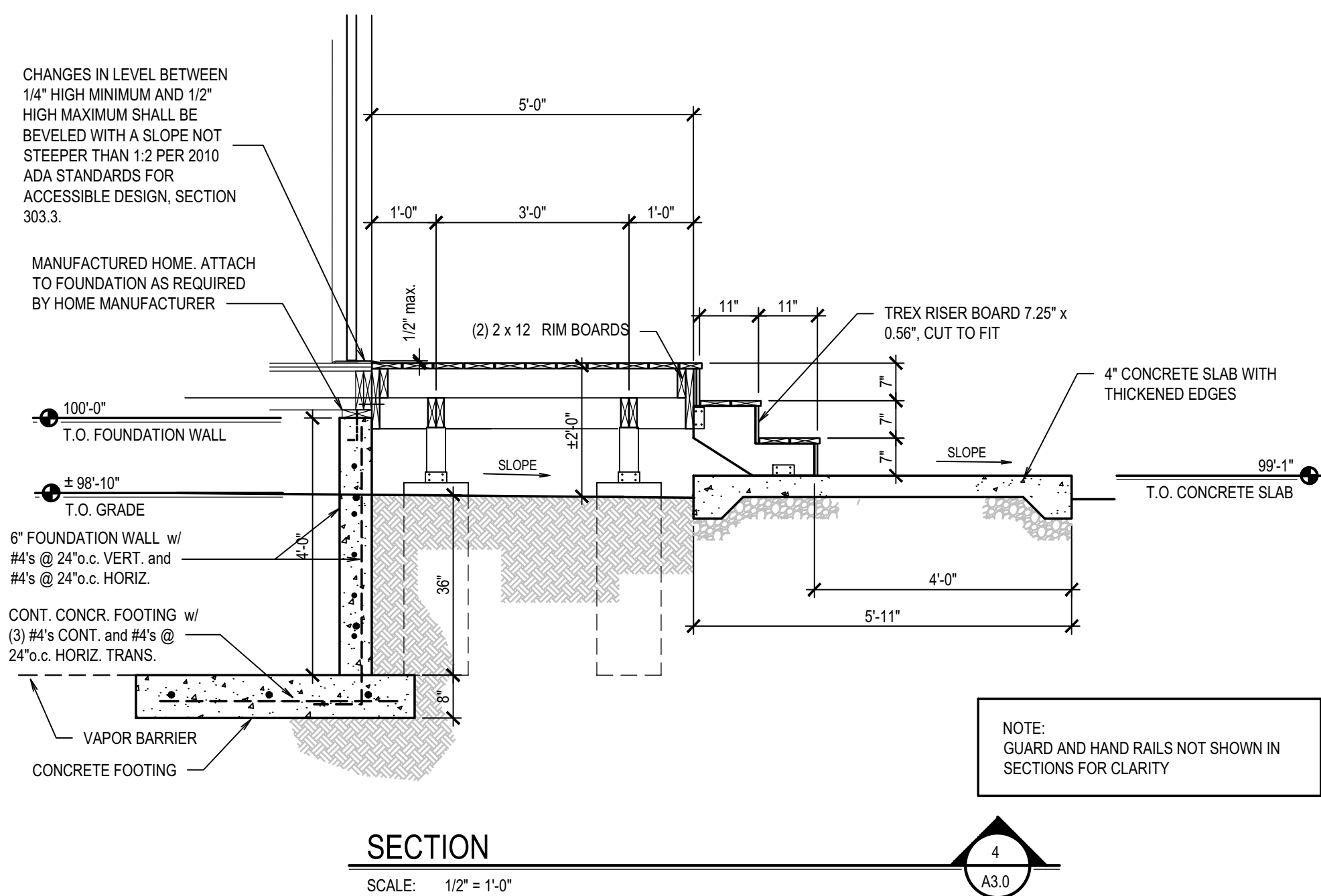
## REAR DECK FRAMING

SCALE: 1/2" = 1'-0"

See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.

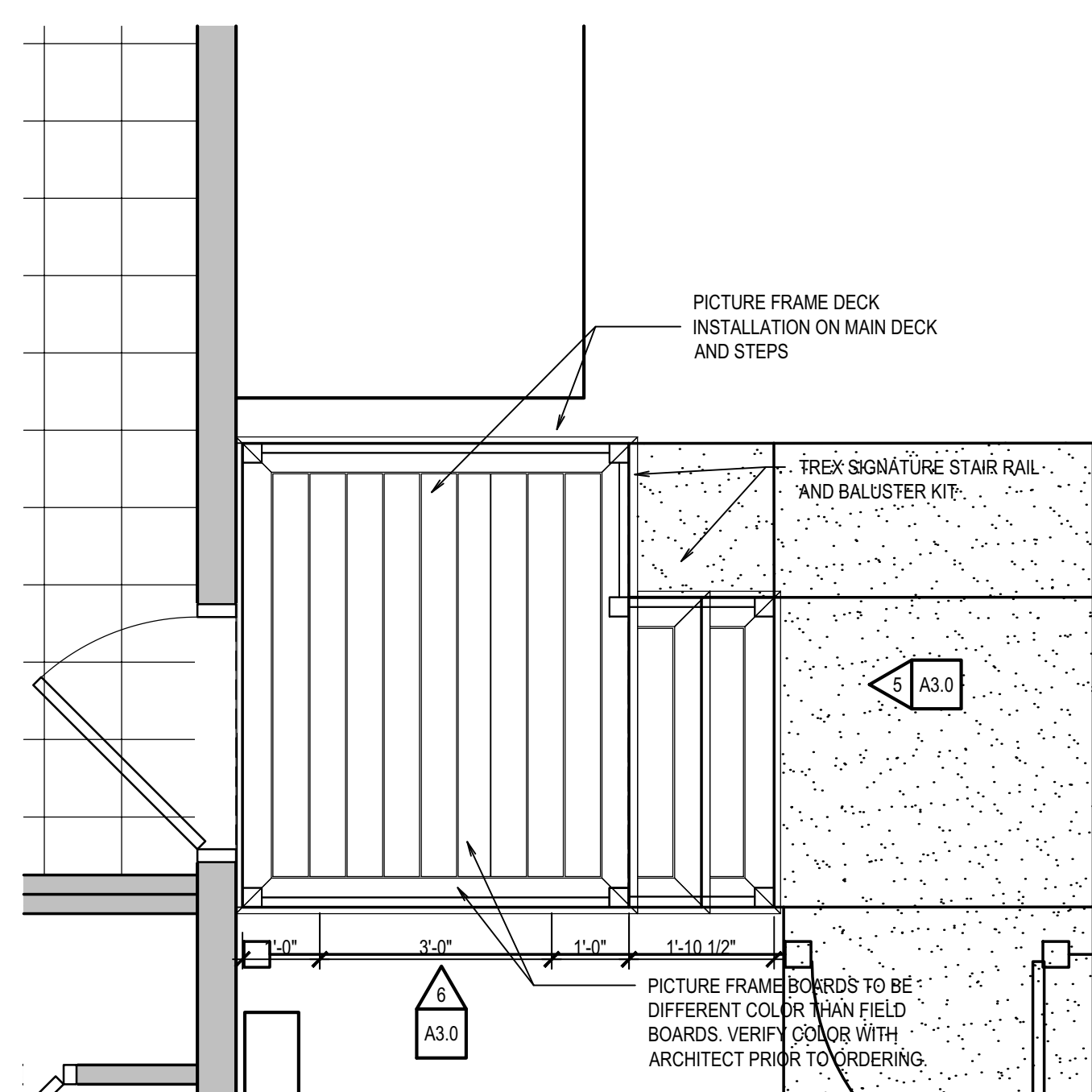


## REAR DECKING BOARD LAYOUT

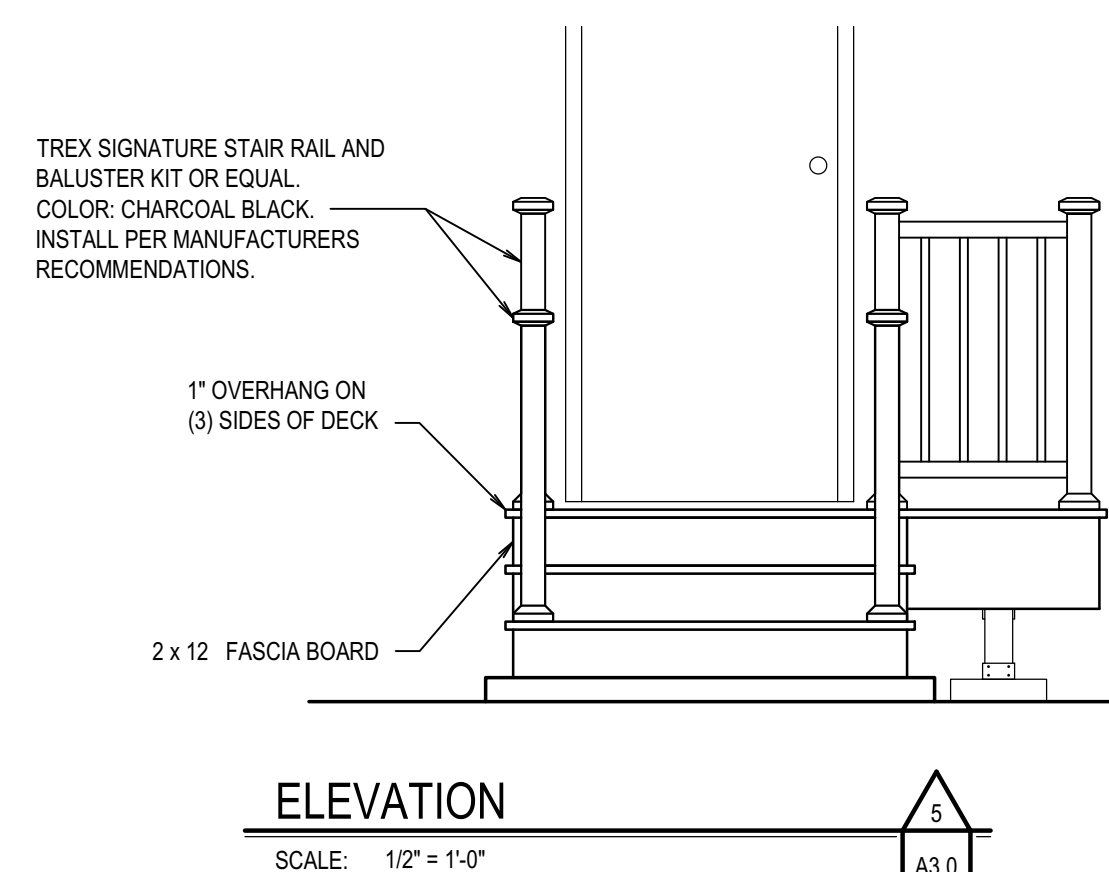


## FRONT DECK FRAMING

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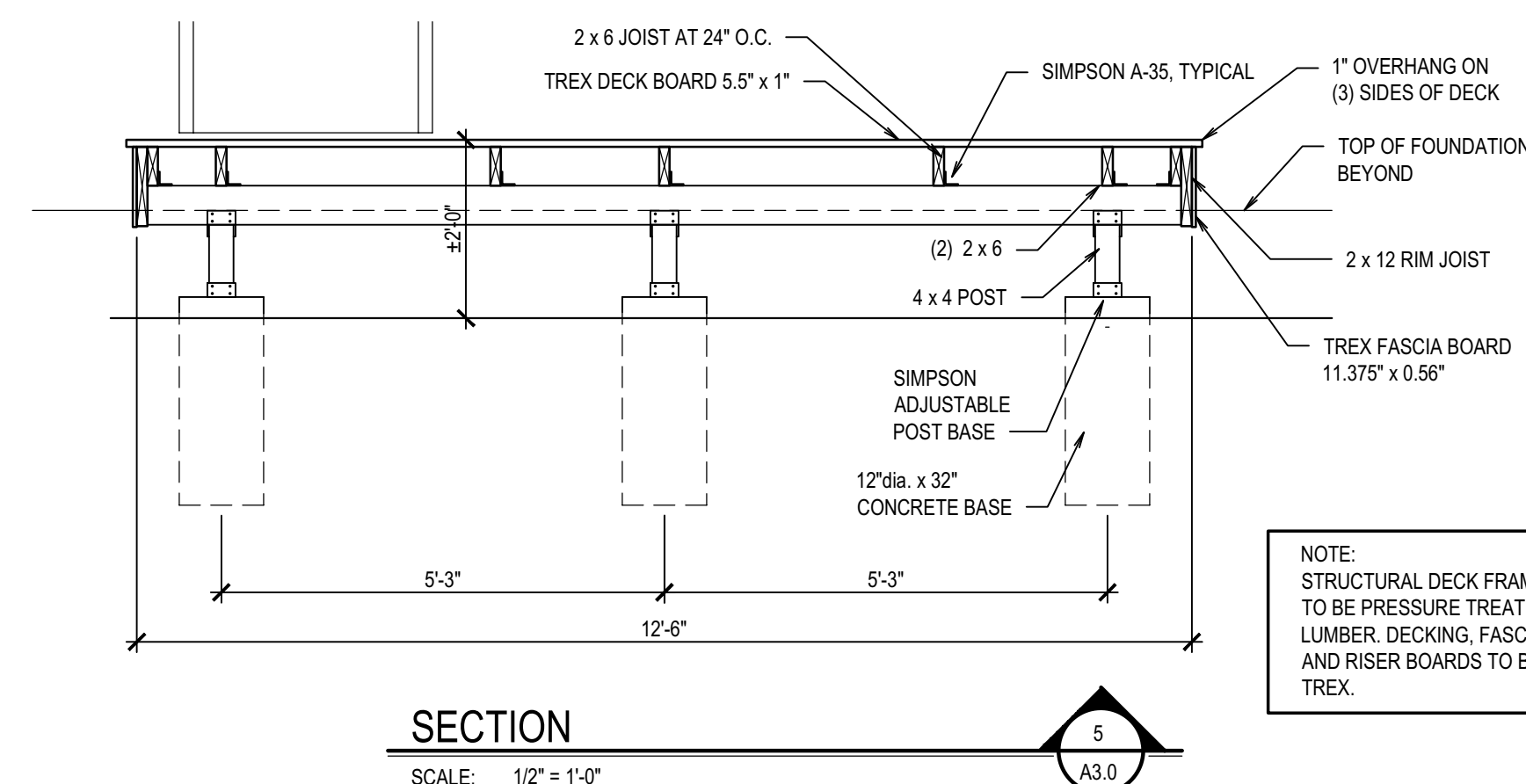


## REAR DECKING BOARD LAYOUT



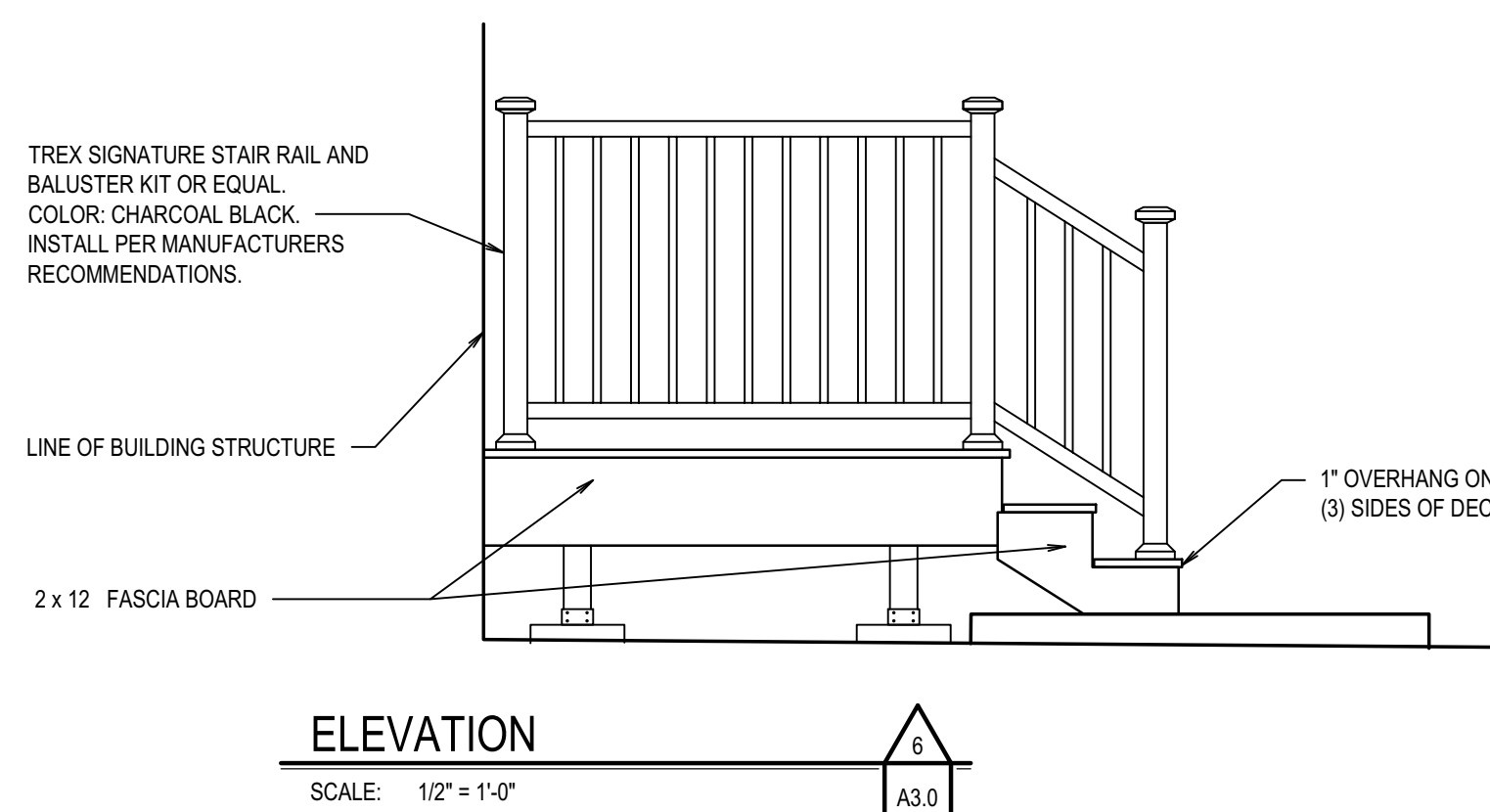
ELEVATION

SCALE: 1/2" = 1'-0"



SECTION

SCALE: 1/2" = 1'-0"



ELEVATION

SCALE: 1/2" = 1'-0"

<p><b>Agency Construction No. 1 for project 2025153 ISP-TTU, Mdu, Housing Unit, Driggs</b>          2/10/2025 10:46 AM EDT</p>	<p><b>2025153 ISP-TTU, Mdu, Housing Unit, Driggs</b>          2/10/2025 10:46 AM EDT          Project Status: <span style="color: green;">Open</span></p>
<p><b>Agency Construction</b></p> <hr/> <p><b>CONSTRUCTION APPROVAL, BY RESPONSIBLE CHIEF OFFICER OF INSTITUTION OR AGENCY</b></p> <p><b>(HSA-0006 OF 07/16)</b></p>	
<p>This is to indicate that if my assigned staff have reviewed the final plans and specifications for:</p>	
<p><b>Project Name:</b> Mdu, Housing Unit, Driggs</p>	
<p><b>SPR Project:</b></p>	
<p><b>Project Description:</b></p>	
<p>This project complies the required program processes within the building Information Management, and authorize the Director of Public Works to proceed with building of the project. The project will be completed within the required timeline and budget. The project will be completed within the required timeline and budget. The project will be completed within the required timeline and budget.</p>	
<p><b>Agency:</b></p>	
<p><b>Agency Representative:</b></p>	
<p><b>Phone Number:</b></p>	
<p><b>Approval</b></p>	
<p><b>Name or Role</b></p> <p>1. Agency - Signature Authority</p> <p>2. Project Manager</p> <p>3. Project Manager - Senior</p> <p>4. LPMV Authority</p>	<p><b>Notes</b></p> <p>Approved 2/10/2025 10:45 PM EDT</p> <p>Approved 2/10/2025 10:45 PM EDT</p> <p>Approved 2/10/2025 10:45 PM EDT</p> <p>Approved 2/10/2025 10:45 PM EDT</p>
<p><b>Date:</b> 2/10/2025</p>	

DPW PROJECT NO. 21-513

PROJECT:

ISP-ITD MANUFACTURED HOUSING UNIT  
DRIGGS, IDAHO

DRIGGS, IDAHO

SHEET 1111 F.

## DECK LAYOUT & FRAMING

LICENSED  
ARCHITECT  
AR-92339  
*Zamor Wyatt*  
08-24-21  
JAMES WYATT  
STATE OF IDAHO

**n b w architects p.a.**  
ARCHITECTURE / PLANNING / INTERIORS  
990 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDHO FALLS, IDAHO 83403-2212  
(P) 208.522.8779 (F) 208.522.8785 (W) nbwarchitects.com

PROJECT NO.:  
21018  
DATE:  
MARCH 2022  
DRAWN BY:  
JIM  
CHECKED BY:  
JIM

DRAWING NO.:

# A3.0





J:\208106-087 DRIGGS ISP MANUFACTURED UNITS\C. DESN\ CAD'D PLANS-1\C1.0 GENERAL CIVIL NOTES.DWG

1. ALL NOTES SPECIFIED HEREIN ARE TO BE COMPLETED OR ADHERED TO BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED TO BE PERFORMED BY OTHER PARTIES.
2. REFERENCE TO THE PROJECT MANUAL FOR ADDITIONAL DIVISION 01 GENERAL REQUIREMENTS (SCHEDULE, SUBMITTALS, SURVEYING, TEMPORARY FACILITIES, CLOSEOUT PROCEDURES, ETC).
3. SUBMIT ALL MATERIALS AND REQUIRED PLANS PRIOR TO CONSTRUCTION IN ACCORDANCE WITH SPECIFICATION 01 30 00.
4. PROVIDE UTILITY SUPPORT AT ALL TRENCH CROSSINGS AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER IF UTILITIES MARKED BY DIG LINE WILL CAUSE MODIFICATION TO THE DESIGN.
5. ALL MISCELLANEOUS STRUCTURES SUCH AS FENCES, MAILBOXES, SIGNS, IRRIGATION AND DRAINAGE FACILITIES, SIGNS, UTILITY POLES, LINE AND APPURTENANCES WHEN NECESSARY TO BE REMOVED OR DISTURBED, SHALL BE REPLACED OR RECONSTRUCTED TO BETTER THAN OR EQUAL THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

1. THE FOLLOWING CONSTRUCTION SPECIFICATIONS AND STANDARDS MAKE REFERENCE TO PAYMENT METHODS. ALL WORK IS TO BE COMPLETED ON A LUMP SUM BASIS IN ACCORDANCE WITH THE FIXED PRICE CONSTRUCTION CONTRACT. NO SPECIAL PAYMENT WILL BE MADE FOR ITEMS LISTED IN THESE STANDARDS.
2. **CITY WATERLINE:** THE FOLLOWING SPECIFICATIONS AND STANDARDS SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THE WATER MAIN, UNLESS SPECIFICALLY MODIFIED HEREIN. CITY OF DRIGGS PUBLIC WORKS STANDARDS AND TECHNICAL SPECIFICATIONS (<https://library.municode.com/id/driggs/munidocs/munidocs?nodeid=4319f13de122>).
3. **GENERAL PUBLIC UTILITY IMPROVEMENTS:** IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPMC), 2020 EDITION MAY BE PURCHASED FROM LHATIC AT <https://lhatic.org/resources/ispwc/> OR AVAILABLE FOR VIEW AT THE OFFICE OF THE ENGINEER. THE CONTRACTOR SHALL HAVE A COPY OF THE ISPMC ONSITE DURING THE CONSTRUCTION AND MADE AVAILABLE TO THE ENGINEER.
4. **ALL SITE WORK INTERNAL TO PROPERTY (EXCLUDING CITY WATERLINE)** – ALL SITE WORK WITHIN THE PROPERTY LIMITS OF THE PROJECT SITE, SHALL ADHERE TO THE PROJECT SPECIFICATIONS FOUND WITHIN THE PROJECT DRAWINGS AND PROJECT MANUAL.
5. **WORK IN IDAHO TRANSPORTATION DEPARTMENT (ITD) RIGHT-OF WAY:** STANDARDS SHALL BE ADHERED TO FOR CONSTRUCTION WITHIN ITD ROAD RIGHT-OF-WAY, UNLESS SPECIFICALLY MODIFIED HEREIN.

1. 2018 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (APRIL 2018)  
<https://apps.itd.idaho.gov/Apps/manuals/SpecBook/SpecBook18.pdf>
2. 2021 SUPPLEMENTALS FOR THE IDAHO TRANSPORTATION DEPARTMENT (MAY 2021)  
[https://apps.itd.idaho.gov/Apps/manuals/SpecBook/2021\\_Supplementals.pdf](https://apps.itd.idaho.gov/Apps/manuals/SpecBook/2021_Supplementals.pdf)
3. 2020 QUALITY ASSURANCE MANUAL (NOVEMBER 2019)  
[https://apps.itd.idaho.gov/Apps/manuals/QA/m/QA\\_Searchable\\_2020.pdf](https://apps.itd.idaho.gov/Apps/manuals/QA/m/QA_Searchable_2020.pdf)
4. 2020 QUALITY ASSURANCE SPECIAL PROVISION FOR STATE ACCEPTANCE (OCTOBER 21, 2019) [https://apps.itd.idaho.gov/Apps/manuals/SpecBook/2020\\_QASP\\_2018\\_Spec.pdf](https://apps.itd.idaho.gov/Apps/manuals/SpecBook/2020_QASP_2018_Spec.pdf)
5. 2021 SPECIAL PROVISION FOR 405 SUPERPAVE HOT MIX ASPHALT (JULY 2, 2021)  
[https://apps.itd.idaho.gov/Apps/manuals/SpecBook/2021\\_SP\\_405\\_HMA.pdf](https://apps.itd.idaho.gov/Apps/manuals/SpecBook/2021_SP_405_HMA.pdf)
6. 2022 405 SPRING MEMORANDUM (JULY 12, 2022)  
[https://apps.itd.idaho.gov/Apps/manuals/SpecBook/2022\\_405SpringMemo.pdf](https://apps.itd.idaho.gov/Apps/manuals/SpecBook/2022_405SpringMemo.pdf)
7. STANDARD DRAWINGS, REVISED APRIL 2022  
<https://apps.itd.idaho.gov/apps/standarddrawings/standarddrawings.htm>
8. CURRENT EDITION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES  
(<https://mutcd.fhwa.dot.gov/pdfs/2009r1r2r3/mutcd2009r1r2r3edition.pdf>)

1. CALL DIG LINE AT 800-342-1585. ALL EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE LOCATIONS. FIELD VERIFY PRIOR TO CONSTRUCTION. COORDINATE AND NOTIFY ALL AFFECTED UTILITY OWNERS. BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING OR CONSTRUCTED UTILITIES AND SHALL REPAIR DAMAGES IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS AT NO ADDITIONAL COST.
2. PROVIDE AN INDIVIDUAL WHOSE PRIMARY RESPONSIBILITY IS TO COORDINATE THE WORK WITH EACH UTILITY COMPANY THAT WILL OR MAY AFFECT THE UTILITY COMPANY'S PROPERTY, FACILITIES, OR OPERATIONS. ENSURE THIS INDIVIDUAL IS READILY AVAILABLE BY TELEPHONE WHENEVER THERE IS WORK BEING DONE BY THE CONTRACTOR, SUBCONTRACTOR, LOWER-TIER SUBCONTRACTOR, OR UTILITY COMPANY.
1. ENSURE THIS INDIVIDUAL IS RESPONSIBLE FOR THE FOLLOWING ACTIVITIES AND MAKES DOCUMENTS GENERATED BY THESE ACTIVITIES AVAILABLE TO THE CONTRACTOR, UTILITY COMPANY, AND THE ENGINEER:
  - a. COORDINATING WITH EACH UTILITY COMPANY AND THE ENGINEER TO RESOLVE UTILITY CONFLICTS AND FOR ANY NEEDED CHANGE ORDERS TO ADDRESS UNIDENTIFIED UTILITY CONFLICTS.
3. UTILITY FACILITY CONTACTS

- a. CITY OF DRIGGS  
JAY MAZALEWSKI, PE  
(208) 270.0209  
(208) 709.7070 CELL  
[JMAZ@DRIGGSIDAHO.ORG](mailto:JMAZ@DRIGGSIDAHO.ORG)

1. NO WORK MAY BEGIN IN ITS PUBLIC RIGHT-OF-WAY WITHOUT ISSUANCE OF AN ITS RIGHT-OF-WAY PERMIT
2. PROVIDE TRAFFIC CONTROL SERVICES IN ACCORDANCE WITH SECTION 626 – TEMPORARY TRAFFIC CONTROL, OF THE ITS STANDARD SPECIFICATIONS. SUBMIT TRAFFIC CONTROL PLANS TO ITS AND THE ENGINEER FOR APPROVAL AT LEAST 7 DAYS PRIOR TO IMPEDING TRAFFIC. DO NOT IMPEDE TRAFFIC WITHOUT ITS APPROVAL

1. BACKFILL ENTIRE TRENCH ABOVE THE BEDDING MATERIAL WITH 3/4" AGGREGATE FOR UNTREATED BASE, TYPE B, PER IDT STANDARDS 703.04. EXCAVATED TRENCH MATERIAL WILL NOT BE PERMITTED AS TRENCH BACKFILL. IMPORTED AGGREGATE BACKFILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED 12-INCH MAXIMUM LOOSE LIFT THICKNESS. THE ENTIRE TRENCH SHALL BE COMPACTED TO 95% MAXIMUM DENSITY OF THE STANDARD PROCTOR AS DETERMINED BY AASHTO T-99.
2. FOR TRENCHING THROUGH US-33, BACKFILL TRENCH WITH CONTROLLED DENSITY FILL ABOVE THE PIPE ZONE TO THE TOP OF THE TRENCH. THE CONTROLLED DENSITY FILLED SHALL START AND END FIVE FEET HORIZONTALLY FROM THE EDGE OF THE ASPHALT/CONCRETE SURFACE AT THE TRENCH CROSSING. CONTROLLED DENSITY FILL IN ACCORDANCE WITH ITD STANDARD SPECIFICATIONS SUBSECTION 522.03.

1. CONSTRUCT WATER MAIN IN ACCORDANCE WITH CITY OF DRIGGS PUBLIC WORKS STANDARDS AND TECHNICAL SPECIFICATIONS.
2. THE WATER SHALL HAVE A MINIMUM COVER DEPTH OF 4 FEET FROM THE FINISHED SURFACE ELEVATION.
3. CITY WATER MAIN MATERIAL SHALL MEET REQUIREMENTS OF CITY OF DRIGGS PUBLIC WORKS STANDARDS AND TECHNICAL SPECIFICATIONS.
4. ALL TEES, PLUGS, CAPS, AND BENDS OF 11-1/4" AND GREATER AND AT OTHER LOCATIONS WHERE UNBALANCED FORCES WILL EXIST SHALL BE SECURED AND ANCHORED BY SUITABLE THRUST BLOCKING, RE: ISPPWC SD-403.
5. TYPE I PIPE BEDDING SHALL BE USED ON ALL WATER MAINS. IT SHALL BE PLACED AT A MINIMUM OF 6" BELOW AND ABOVE THE PIPE FOR THE FULL TRENCH WIDTH.
6. ALL WATER PIPES, FITTINGS AND METER ASSEMBLIES SHALL MEET ANSI/NSF 61.

1. ASPHALT PAVEMENT REPAIR:
  - a. USE 1/2" AGGREGATE SP-3 MIX WITH PG 64-28 BINDER MATERIAL IN ACCORDANCE WITH 2021 ITD SPECIAL PROVISION FOR 405 SUPERPAVE HOT MIX ASPHALT. USE CSS-1 DILUTED EMULSIFIED ASPHALT FOR TACK COAT IN ACCORDANCE WITH ITD STANDARD SPECIFICATIONS SUBSECTION 401.02. MATCH THE THICKNESS OF THE EXISTING SURROUNDING MAT

1. REFERENCE ALL PUBLIC AND PRIVATE LAND SURVEY MONUMENTS THAT WILL BE DISTURBED BY CONSTRUCTION ACTIVITIES PRIOR TO DISTURBING. REESTABLISH SUCH MONUMENTS AS PART OF THE SURVEY WORK FOR THIS PROJECT BEFORE PROJECT COMPLETION. SECTION CORNER AND QUARTER CORNER MONUMENTS RESET AFTER CONSTRUCTION SHALL INCLUDE CORNER PERPETUATIONS AND FILING WITH THE COUNTY. SIXTEENTH CORNERS THAT ARE DISTURBED AND RESET AND HAVE EXISTING CORNER PERPETUATION FILED WITH THE COUNTY SHALL HAVE NEW PERPETUATION RECORDS FILED AFTER THE CORNER HAS BEEN RESET. PERFORM ALL MONUMENT WORK IN ACCORDANCE WITH TITLE 55, CHAPTER 16 OF THE IDAHO STATE CODE. PERFORM ALL CORNER REESTABLISHMENT AND CORNER PERPETUATION FILING WORK IN ACCORDANCE WITH STANDARD SURVEYING PRACTICES UNDER THE RESPONSIBLE CHARGE OF A PROFESSIONAL LAND SURVEYOR DULY AND PROPERLY REGISTERED IN THE STATE OF IDAHO.

<p>Construction Approval No. 1 for project 2015153 ISP/DI Manu. Housing Unit, Diags</p> <p>2015153 6P-DI Manu. Housing Unit Diags</p> <p>160 Days - 160 Days</p> <p>Project Number: 2015153</p>	
<p>Agency Construction Approval</p>	
<p><b>CONSTRUCTION APPROVAL BY RESPONSIBLE CHIEF OFFICER OF INSTITUTION OR AGENCY</b></p>	
<p><b>ISSUED 03/04/2016</b></p>	
<p>This is to certify that no or any stipulated agent has received the final plans and specifications for:</p>	
<p><b>6P-DI Projects:</b></p>	
<p>1) 2015153</p>	
<p>This project encompasses the proposed program elements within the funding limitations established, and authorization the Director of Facilities, Diags to proceed with bidding of all project if it remains within the approved budget and construction of the facilities in accordance with the plans and specifications.</p>	
<p>Agency:</p>	
<p>Agency Signature Required:</p>	
<p>Signature Date:</p>	
<p>Approved: _____ Date: 03/04/2016</p>	
<p>Print Name</p>	<p>Signature</p>
<p>Agency: 160 Days - 160 Days</p>	<p>Date: 03/04/2016 12:44 PM MST</p>
<p>Project Manager</p>	<p>Approved: _____ Date: 03/04/2016 12:44 PM MST</p>
<p>Project Manager's Supervisor</p>	<p>Approved: _____ Date: 03/04/2016 12:44 PM MST</p>
<p>DI Unit Administrator</p>	<p>Approved: _____ Date: 03/04/2016 12:44 PM MST</p>



DPW PROJECT NO. 21-513

DRIGGS, IDAHO

# GENERAL CIVIL NOTES

SHEET TITLE:

[illegible]

PROJECT NO.: 21515

DATE: 6/22/2022

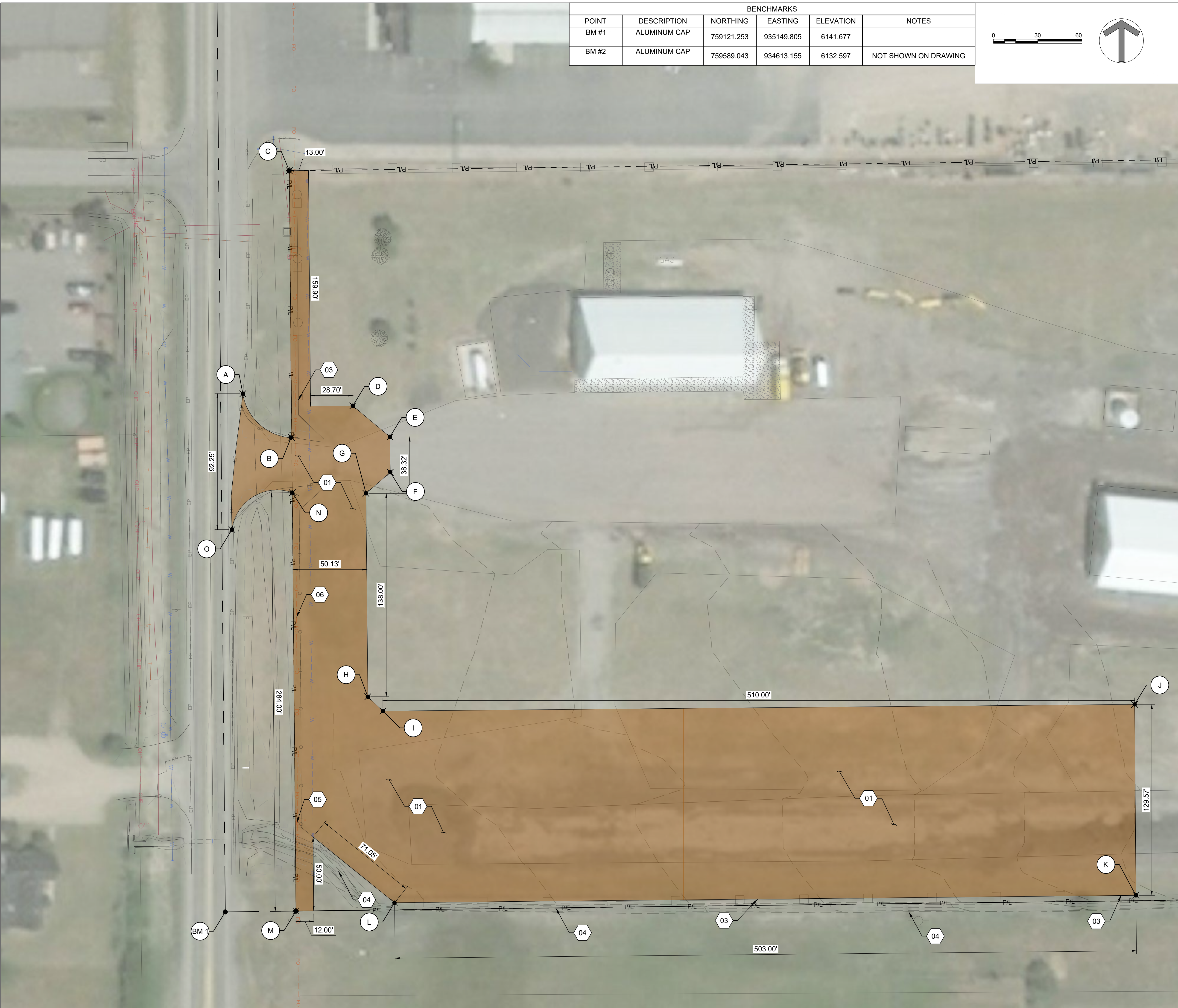
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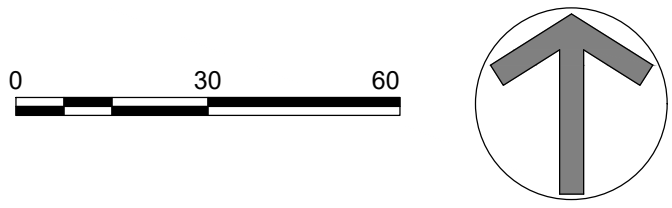
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BENCHMARKS					
POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION	NOTES
BM #1	ALUMINUM CAP	759121.253	935149.805	6141.677	
BM #2	ALUMINUM CAP	759589.043	934613.155	6132.597	NOT SHOWN ON DRAWING



GENERAL NOTES

- NO WORK IN ITD RIGHT-OF-WAY MAY COMMENCE UNTIL ISSUANCE OF A RIGHT-OF-WAY ENCROACHMENT PERMIT HAS BEEN ISSUED BY ITD.
- CLEAR AND GRUB TO A MINIMUM OF 6". REMOVE ANY BITUMINOUS MATERIAL ENCOUNTERED DURING GRUBBING OPERATIONS.
- CONTRACTOR SHALL DISPOSE OF GRUBBING OFFSITE, AT A LOCATION DETERMINED BY THE CONTRACTOR.

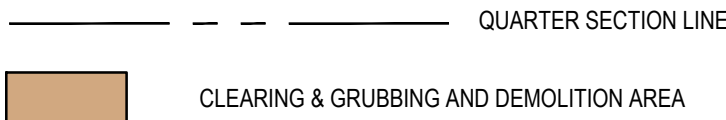
KEYNOTES

- CLEAR AND GRUB AREA TO A DEPTH OF 6 INCHES
- NOT USED
- RETAIN AND PROTECT EXISTING FENCE
- RETAIN AND PROTECT EXISTING DITCH
- RETAIN AND PROTECT EXISTING FIBER RISER
- RETAIN AND PROTECT EXISTING FIBER LINE

DEMOLITION CONTROL

DEMOLITION CONTROL		
POINT	NORTHING	EASTING
A	759472.7658	935161.8827
B	759442.9032	935195.0413
C	759624.0203	935193.4353
D	759464.5349	935236.5249
E	759443.4707	935261.6949
F	759419.4464	935261.9120
G	759405.1265	935245.4157
H	759267.1566	935246.6621
I	759257.4303	935256.8708
J	759261.9661	935766.8747
K	759132.3989	935767.7700
L	759127.4120	935264.7770
M	759121.7269	935197.9734
N	759405.6339	935195.4084
O	759380.5460	935154.5030

LEGEND



DPW PROJECT NO. 21-513

ISP MANUFACTURED HOUSING UNIT

DRIGGS, IDAHO

DEMOLITION PLAN & PROJECT CONTROL

PROJECT:

REVISIONS

01 RE-ISSUED 6/13/23

PROJECT NO.: 21515

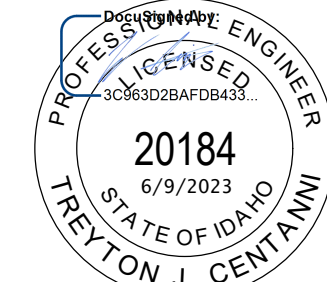
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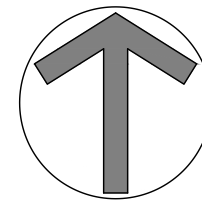
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## KEYNOTES

1. NO WORK IN ITD RIGHT-OF-WAY MAY COMMENCE UNTIL ISSUANCE OF A RIGHT-OF-WAY ENCRoACHMENT PERMIT HAS BEEN ISSUED BY ITD.
2. WORK SHOWN ON THIS SHEET TO BE CONSTRUCTED ONLY IF THE MODULAR HOME IS BEING PLACED ON LOT 2. VERIFY CORRECT SITE SHEET FOR ALTERNATES SELECTED PRIOR TO COMMENCING WORK.
3. STORM DRAIN PIPES MAY NOT BE INSTALLED WITH LESS THAN 4' OF COVER, UNLESS OTHERWISE APPROVED BY THE ENGINEER

1. INSTALL ASPHALT ROAD SECTION - MODERATE DUTY, RE: C4/C1.7
2. INSTALL CONCRETE SIDEWALK, 5" THICKNESS, RE: B2/C1.7
3. INSTALL CHAIN-LINK FENCE, RE: B4/C1.6
4. INSTALL CHAIN-LINK DOUBLE SWING GATE, RE: C1/C1.6
5. PLACE OWNER SUPPLIED MANUFACTURED HOME ON CONCRETE FOUNDATION, RE: ARCHITECTURAL DRAWINGS FOR DETAIL ON HOME DECK, STAIRS AND CRAWL SPACE ACCESS.
6. CONSTRUCT WOOD PRIVACY FENCE, AND GATES RE: C3/C1.6
7. INSTALL 12" CMP DRAINAGE CULVERT, 60 LF
8. CONSTRUCT CURB TERMINUS, RE: B4/C1.7
9. INSTALL 1000 GALLON SAND & GREASE TRAP WITH INLET GRATE, RE: ISPHC SD-624  
INLET RIM ELEVATION: 6141.10
10. CONSTRUCT CONCRETE ROLLED CURB, RE: A2/C1.7
11. CONSTRUCT SEEPAGE DED RILEY, RE: C2/C1.7
12. INSTALL 12" STORM PIPE, TYPE - 12" PVC, 80 LF  
INVERT OUT AT SAND AND GREASE TRAP: 6137.26'  
INVERT IN AT CONNECTION TO MANHOLE: 6136.26'
13. INSTALL STORM MANHOLE, RE: B1/C1.7

## PROJECT CONTROL

PROJECT CONTROL		
POINT	NORTHING	EASTING
A	759380.5460	935154.5030
B	759472.7658	935161.8827
C	759442.8667	935194.8305
D	759464.1521	935199.4456
E	759464.5349	935236.5249
F	759443.4707	935261.6949
G	759419.4464	935245.9120
H	759405.1265	935245.4157
J	759261.9661	935766.8747
K	759132.3989	935767.7700
L	759223.8785	935759.4462
M	759244.0480	935759.2641
N	759223.0927	935662.4653
O	759194.6598	935614.7194
P	759222.4061	935586.4671
Q	759206.0536	935466.8424
R	759220.6758	935395.1899
S	759220.3681	935360.8741
T	759167.3177	935485.5726
V	759166.9267	935437.5734
W	759219.4310	935257.1418
X	759259.0687	935216.7614
Y	759382.2393	935215.4628

10

CONCRETE

ASPHALT

BUILDING FOOTPRINT

QUARTER SECTION LINE

Agency Construction Approval No. 1 for project 2021515 HSP-ITD, Miami, Housing Unit, Driggs		2021515 HSP-ITD, Miami, Housing Unit, Driggs 100 Miami Street Miami, Florida 33136 Phone: 781-223-1100
Agency Construction Approval		
<b>CONSTRUCTION APPROVAL BY RESPONSIBLE CHIEF OFFICER OF INSTITUTION OR AGENCY</b> <b>(ISSUED CODE 01-5716)</b>		
This is to certify that the following project, after the foregoing requirements have been satisfactorily met, is hereby approved for construction.		
Project Name: <u>2021515 HSP-ITD, Miami, Housing Unit, Driggs</u> Project Number: <u>2021515</u> Project Location: <u>100 Miami Street, Miami, Florida 33136</u>		
The undersigned hereby certifies that the project described herein complies with all applicable laws, rules, regulations, and standards, and that the project is in accordance with the plans and specifications submitted.		
Agency: <u>Florida Department of Transportation</u> Agency Director's Authority: <u>01-5716</u> Date: <u>01/15/2021</u>		
Approved: _____ Date: _____		
<b>Signature</b>	<b>Title</b>	<b>Agency</b>
1. Agency Director's Authority	Approved	
	(Signature) _____	(Date) _____
2. Project Engineer	Approved	
	(Signature) _____	(Date) _____
3. Project Manager/Owner	Approved	
	(Signature) _____	(Date) _____
4. Other Approvals	Approved	
	(Signature) _____	(Date) _____

DPW PROJECT NO. 21-513

# ISP MANUFACTURED HOUSING UNIT

DRIGGS, IDAHO

# CIVIL SITE PLAN

**SHEET TITLE:**

PROJECT:

## REVISIONS

1	RE-ISSUED 6/13/23
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PROJECT NO.: 21515

DATE: 6/22/2022

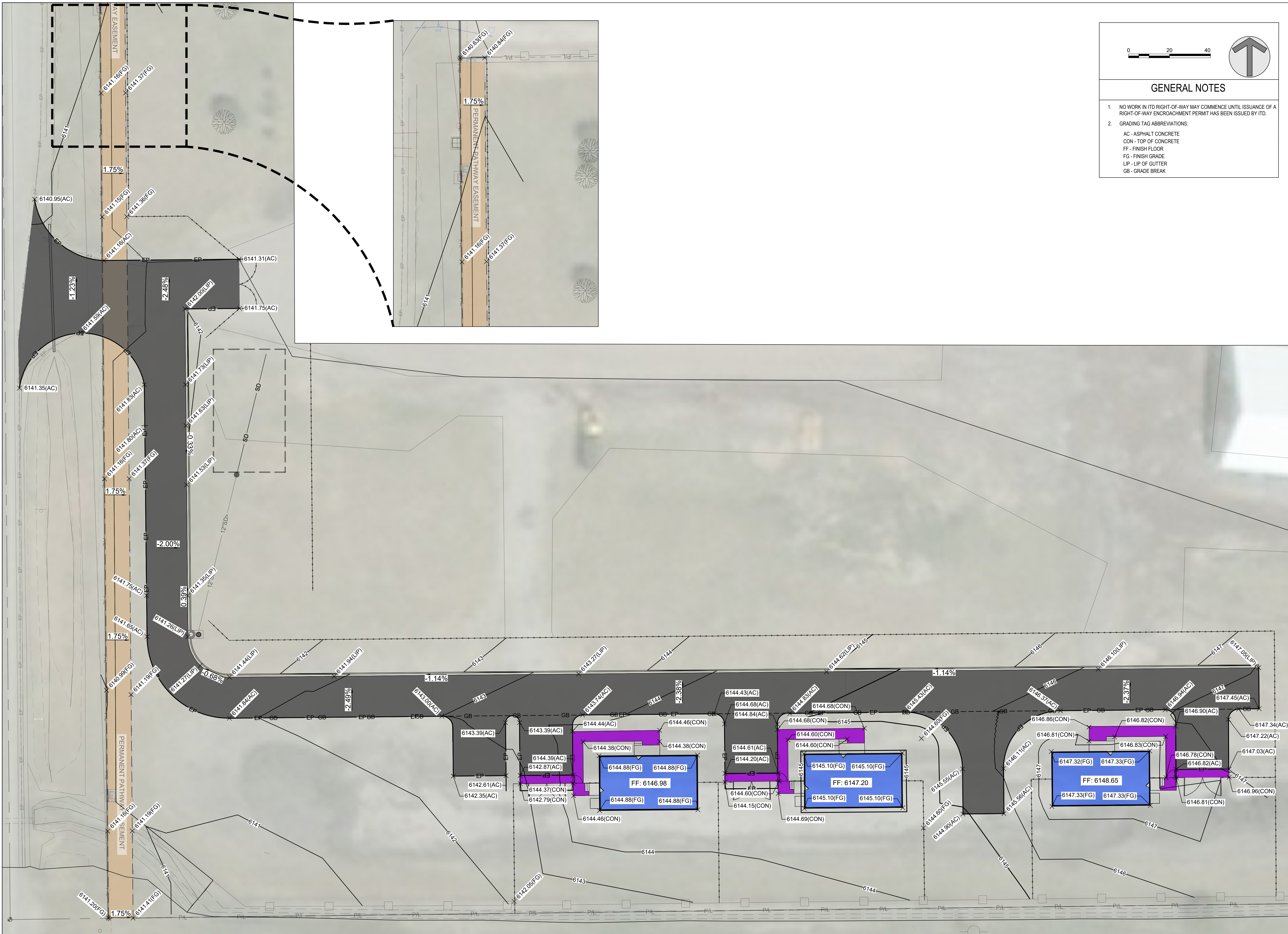
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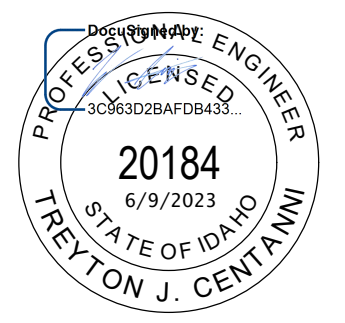
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### GENERAL NOTES

- NO WORK IN ITS RIGHT-OF-WAY MAY COMMENCE UNTIL ISSUANCE OF A RIGHT-OF-WAY ENCROACHMENT PERMIT HAS BEEN ISSUED BY ITS.
- GRADING TAG ABBREVIATIONS:
  - AC - ASPHALT CONCRETE
  - CON - TOP OF CONCRETE
  - FF - FINISH FLOOR
  - FG - FINISH GRADE
  - LIP - LIP OF GUTTER
  - GB - GRADE BREAK



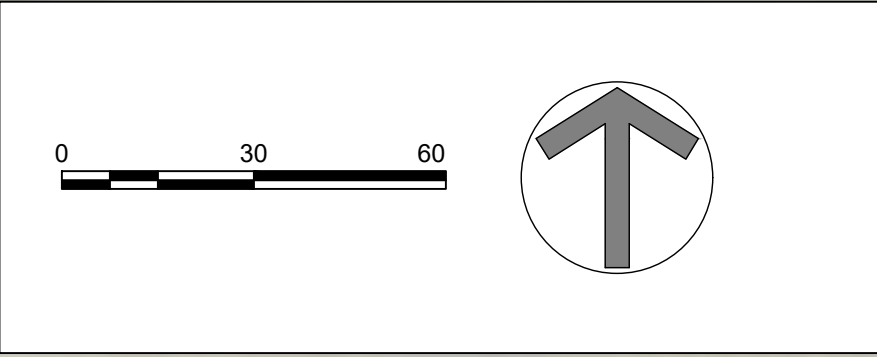
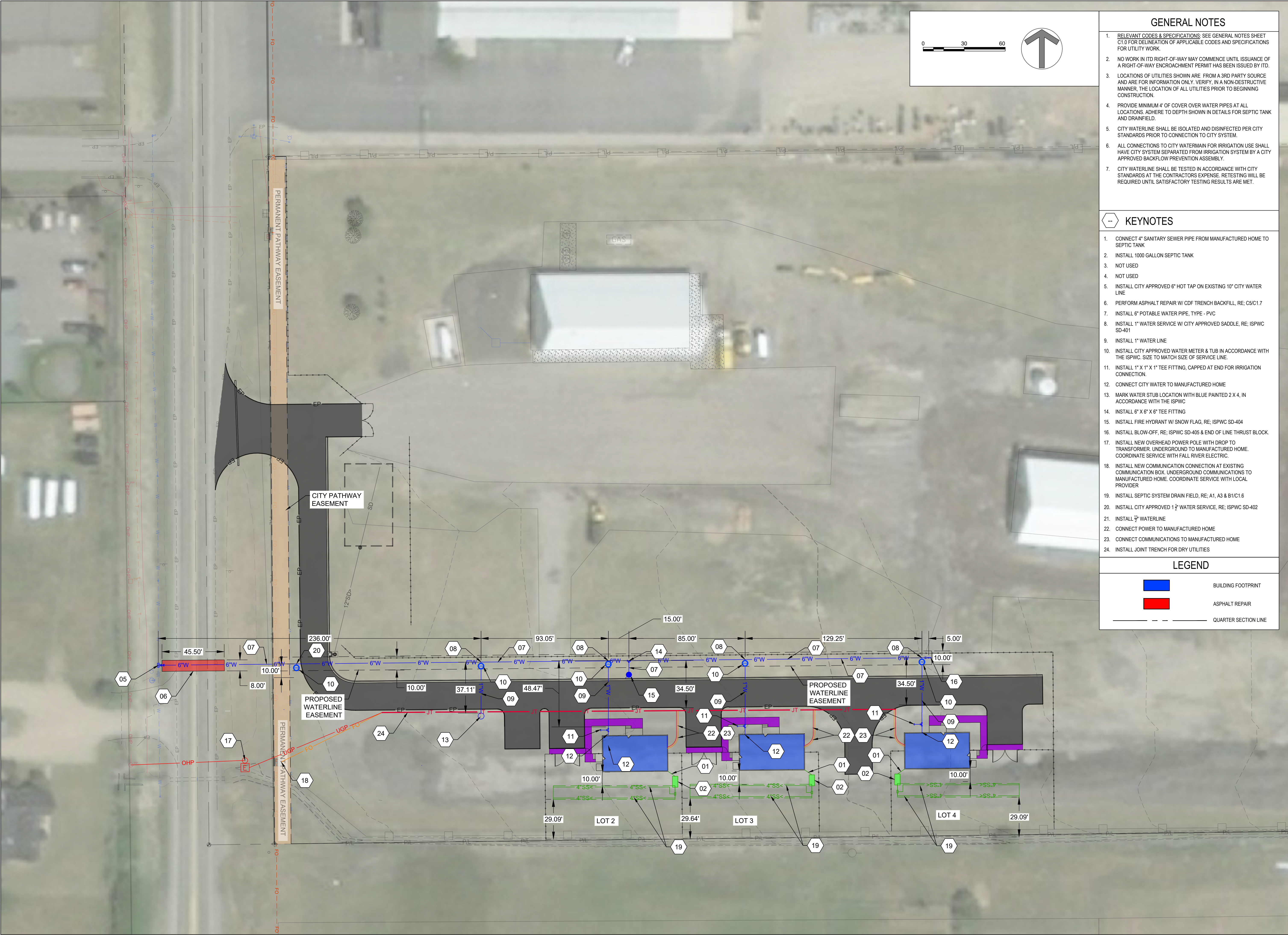
DPW PROJECT NO. 21-513  
**ISP MANUFACTURED HOUSING UNIT**  
DRIGGS, IDAHO  
GRADING PLAN

REVISIONS	
01	OWNER CHANGES

PROJECT NO.: 21515  
DATE: 6/22/2022  
DRAWN BY: TC  
CHECKED BY: NC  
DRAWING NO.:

**C1.3**





GENERAL NOTES

1. RELEVANT CODES & SPECIFICATIONS: SEE GENERAL NOTES SHEET C1.0 FOR DELINEATION OF APPLICABLE CODES AND SPECIFICATIONS FOR UTILITY WORK.
2. NO WORK IN ITD RIGHT-OF-WAY MAY COMMENCE UNTIL ISSUANCE OF A RIGHT-OF-WAY ENCROACHMENT PERMIT HAS BEEN ISSUED BY ITD.
3. LOCATIONS OF UTILITIES SHOWN ARE FROM A 3RD PARTY SOURCE AND ARE FOR INFORMATION ONLY. VERIFY, IN A NON-DESTRUCTIVE MANNER, THE LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
4. PROVIDE MINIMUM 4" OF COVER OVER WATER PIPES AT ALL LOCATIONS. ADHERE TO DEPTH SHOWN IN DETAILS FOR SEPTIC TANK AND DRAINFIELD.
5. CITY WATERLINE SHALL BE ISOLATED AND DISINFECTED PER CITY STANDARDS PRIOR TO CONNECTION TO CITY SYSTEM.
6. ALL CONNECTIONS TO CITY WATERMAIN FOR IRRIGATION USE SHALL HAVE CITY SYSTEM SEPARATED FROM IRRIGATION SYSTEM BY A CITY APPROVED BACKFLOW PREVENTION ASSEMBLY.
7. CITY WATERLINE SHALL BE TESTED IN ACCORDANCE WITH CITY STANDARDS AT THE CONTRACTORS EXPENSE. RETESTING WILL BE REQUIRED UNTIL SATISFACTORY TESTING RESULTS ARE MET.

KEYNOTES

1. CONNECT 4" SANITARY SEWER PIPE FROM MANUFACTURED HOME TO SEPTIC TANK
2. INSTALL 1000 GALLON SEPTIC TANK
3. NOT USED
4. NOT USED
5. INSTALL CITY APPROVED 6" HOT TAP ON EXISTING 10" CITY WATER LINE
6. PERFORM ASPHALT REPAIR W/ CDF TRENCH BACKFILL, RE: C5/C1.7
7. INSTALL 6" POTABLE WATER PIPE, TYPE - PVC
8. INSTALL 1" WATER SERVICE W/ CITY APPROVED SADDLE, RE: ISPWC SD-401
9. INSTALL 1" WATER LINE
10. INSTALL CITY APPROVED WATER METER & TUB IN ACCORDANCE WITH THE ISPWC. SIZE TO MATCH SIZE OF SERVICE LINE.
11. INSTALL 1" X 1" X 1" TEE FITTING, CAPPED AT END FOR IRRIGATION CONNECTION.
12. CONNECT CITY WATER TO MANUFACTURED HOME
13. MARK WATER STUB LOCATION WITH BLUE PAINTED 2 X 4, IN ACCORDANCE WITH THE ISPWC
14. INSTALL 6" X 6" X 6" TEE FITTING
15. INSTALL FIRE HYDRANT W/ SNOW FLAG, RE: ISPWC SD-404
16. INSTALL BLOW-OFF, RE: ISPWC SD-405 & END OF LINE THRUST BLOCK.
17. INSTALL NEW OVERHEAD POWER POLE WITH DROP TO TRANSFORMER. UNDERGROUND TO MANUFACTURED HOME. COORDINATE SERVICE WITH FALL RIVER ELECTRIC.
18. INSTALL NEW COMMUNICATION CONNECTION AT EXISTING COMMUNICATION BOX. UNDERGROUND COMMUNICATIONS TO MANUFACTURED HOME. COORDINATE SERVICE WITH LOCAL PROVIDER
19. INSTALL SEPTIC SYSTEM DRAIN FIELD, RE: A1, A3 & B1/C1.6
20. INSTALL CITY APPROVED 1 1/2" WATER SERVICE, RE: ISPWC SD-402
21. INSTALL 3/4" WATERLINE
22. CONNECT POWER TO MANUFACTURED HOME
23. CONNECT COMMUNICATIONS TO MANUFACTURED HOME
24. INSTALL JOINT TRENCH FOR DRY UTILITIES

LEGEND

- BUILDING FOOTPRINT
- ASPHALT REPAIR
- QUARTER SECTION LINE

PROJECT: DPW PROJECT NO. 21-513

ISP MANUFACTURED HOUSING UNIT

DRIGGS, IDAHO

UTILITY PLAN - CITY WATER & SEPTIC

SHEET TITLE:

PROJECT:

REVISIONS

01 OWNER CHANGES

PROJECT NO.: 21515

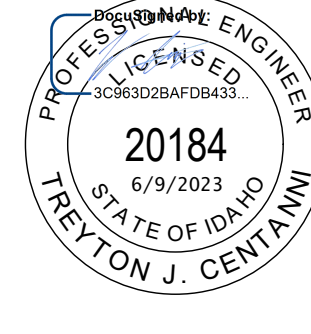
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DRAWN BY: TC

CHECKED BY: NC

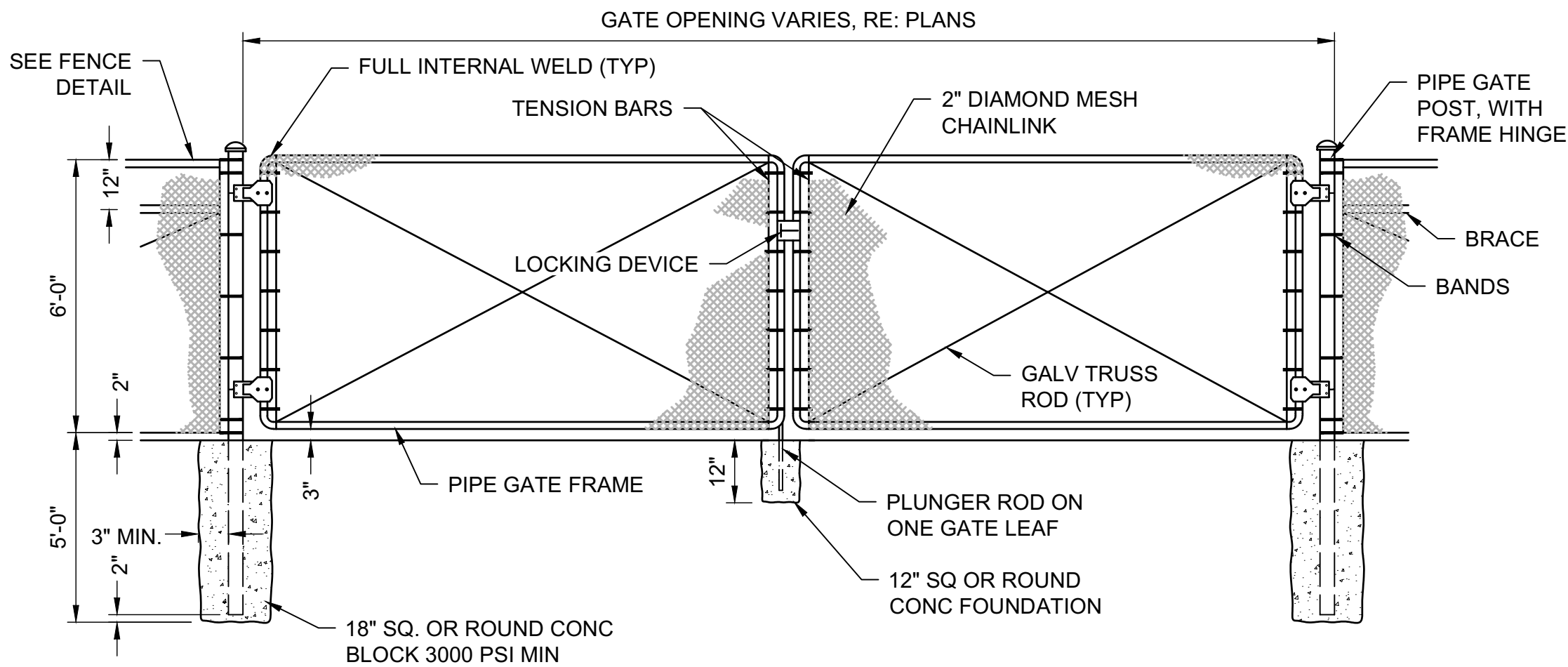
DRAWING NO.:

C1.5



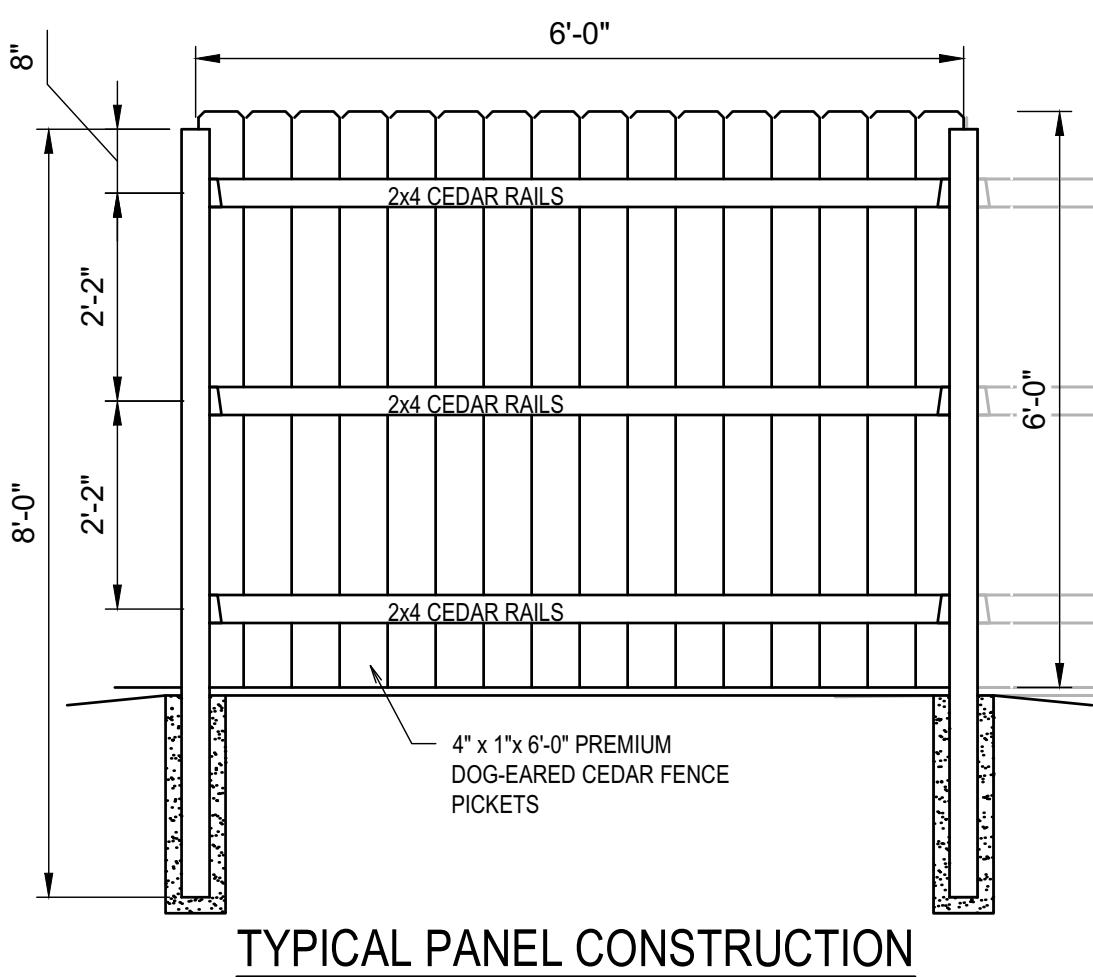


This is not a building permit  
Plan Approval #BL02215-00046  
Date:11/09/22  
These documents have been reviewed  
for code compliance by the Division of  
Occupational and Professional  
Licenses. This approval shall not be  
construed to be an approval of any  
violation of, or variance from, Idaho's  
adopted codes, standards, rules or laws  
applicable to this project. Corrections  
will be required for any code violations  
found during the inspection process.

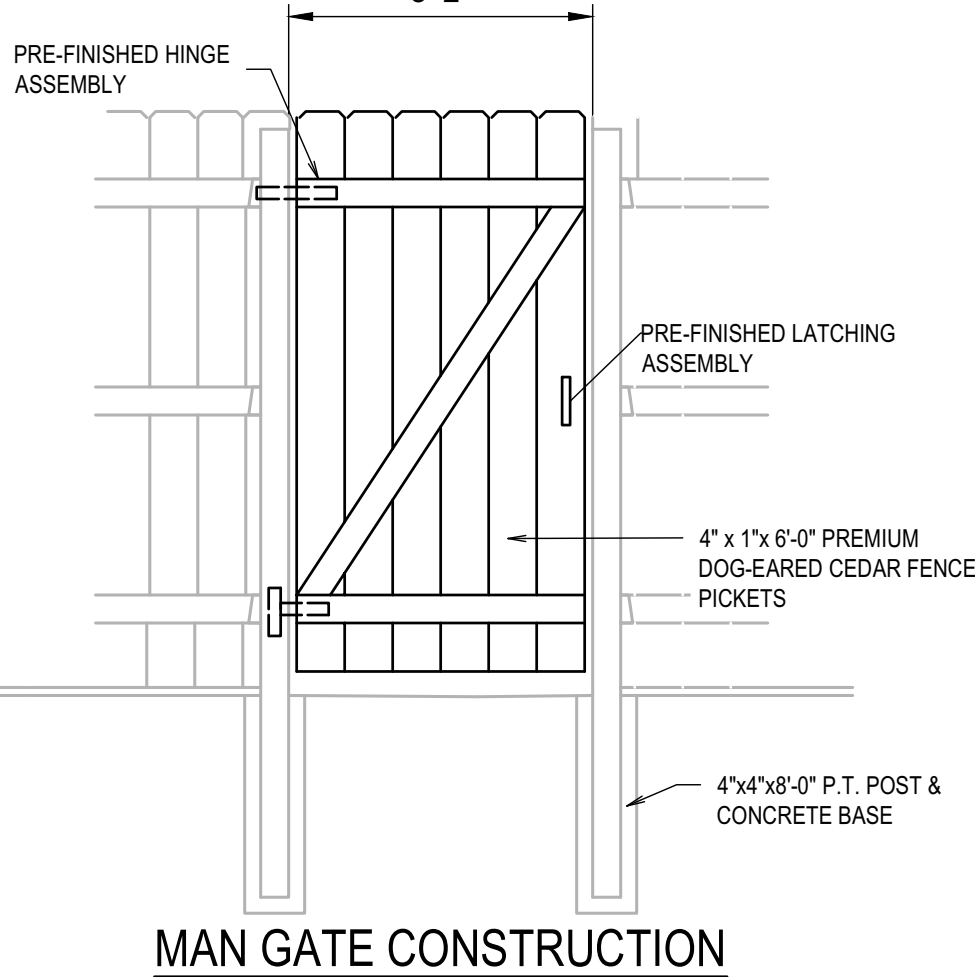


NOTES:  
1. SEE SPECIFICATIONS FOR MATERIALS & SIZES.  
2. SEE FENCE DETAIL FOR BRACING AT GATE.

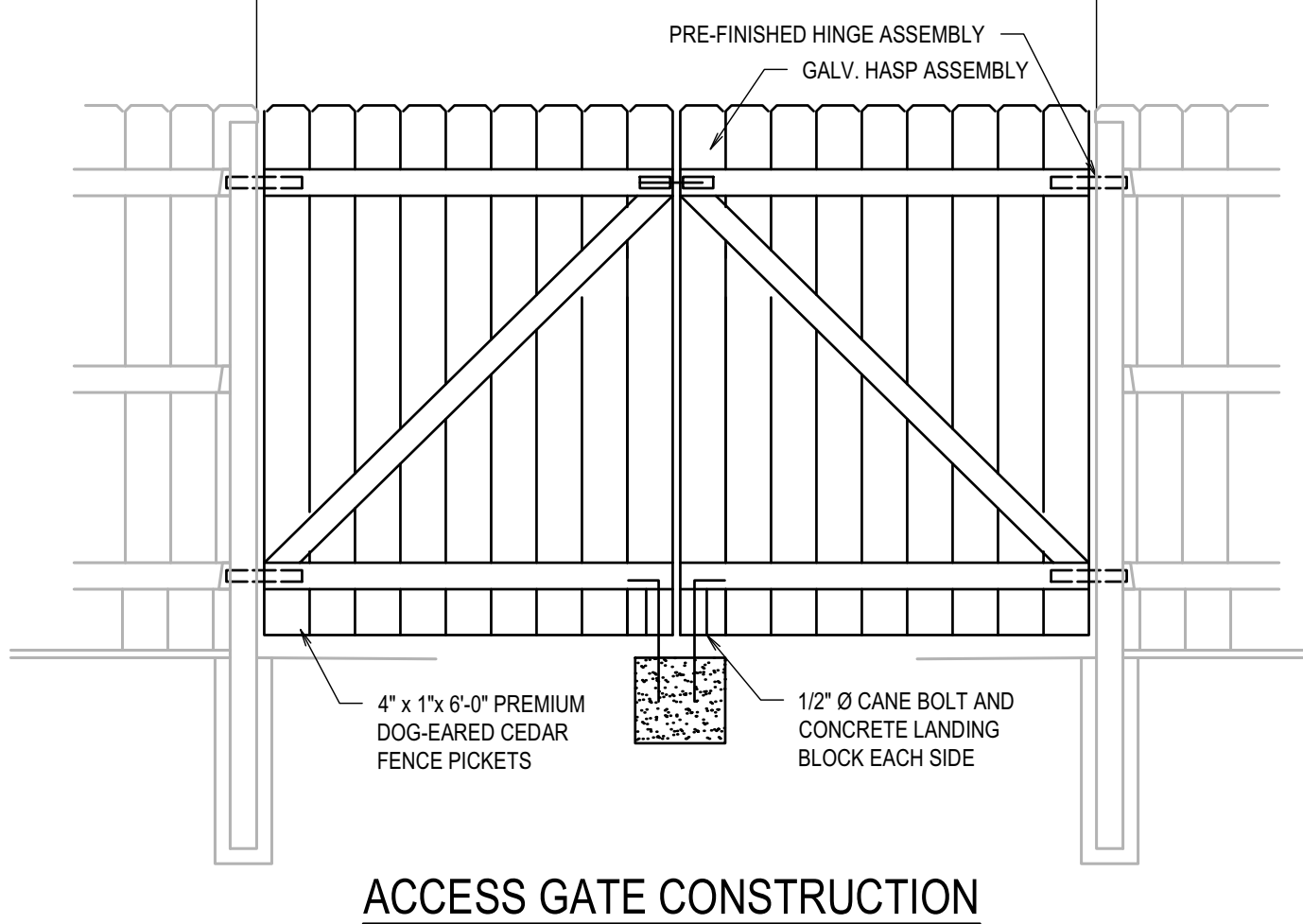
C1 GATE - CHAIN LINK DOUBLE SWING  
N.T.S.



TYPICAL PANEL CONSTRUCTION



MAN GATE CONSTRUCTION

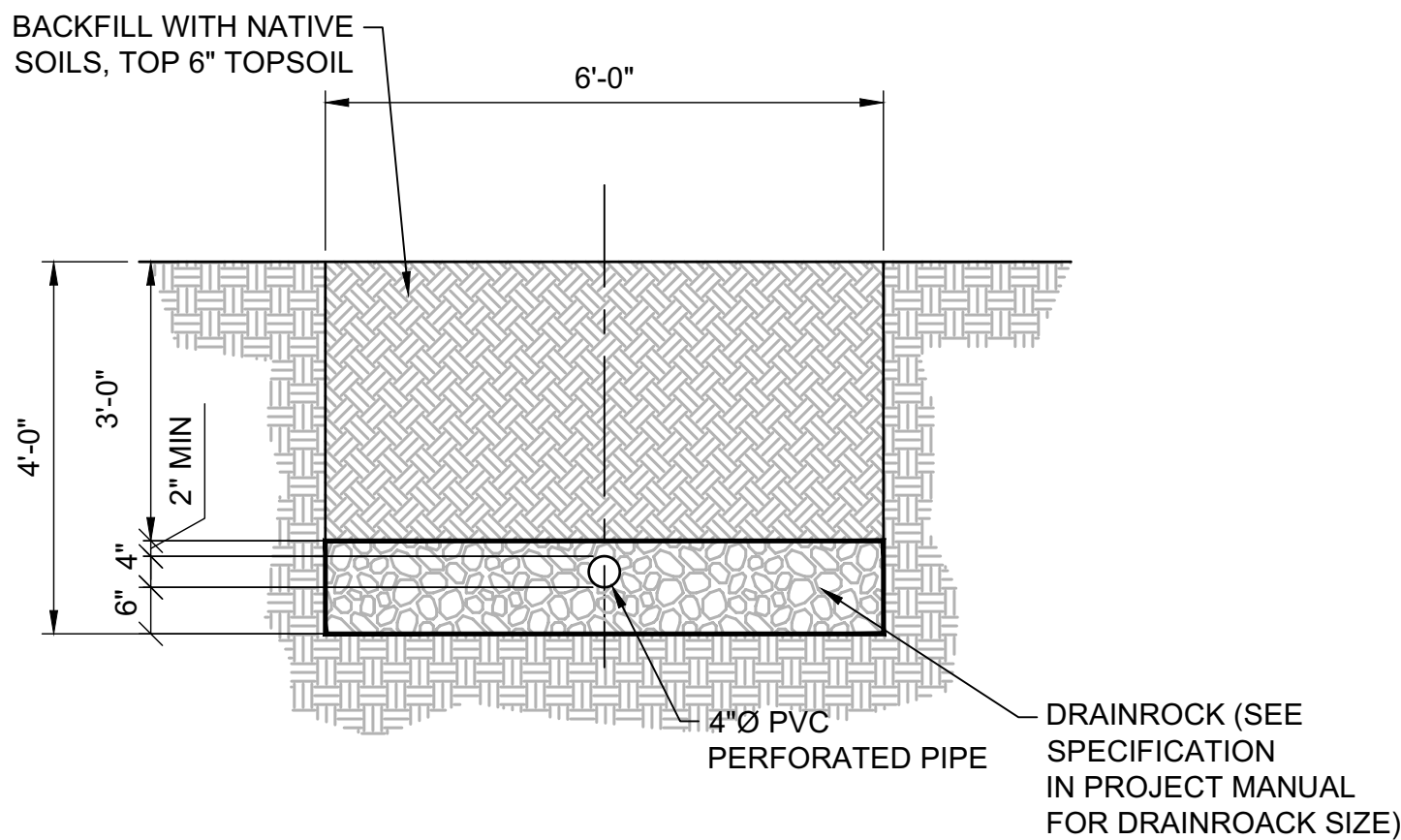


ACCESS GATE CONSTRUCTION

NOTES:

1. SECURE SIMPSON FB24Z FENCE BRACKET TO P.T. POST w/ (2) #9 1 1/2" SDWS STRONG TIE FRAMING SCREWS.
2. SECURE 2x4 P.T. RIAL TO BRACKET w/ (1) 1" SIMPSON SDWS STRONG TIE
3. FRAMING SCREW EACH SIDE.
4. SECURE 4x4 PT POSTS IN CONCRETE BASE @ 8'-0" o.c.
5. PROVIDE GATE HARDWARE TO ACCOMMODATE FENCING TYPE.
6. SEE NOTES THIS SHEET

C3 WOOD FENCE DETAILS  
N.T.S.

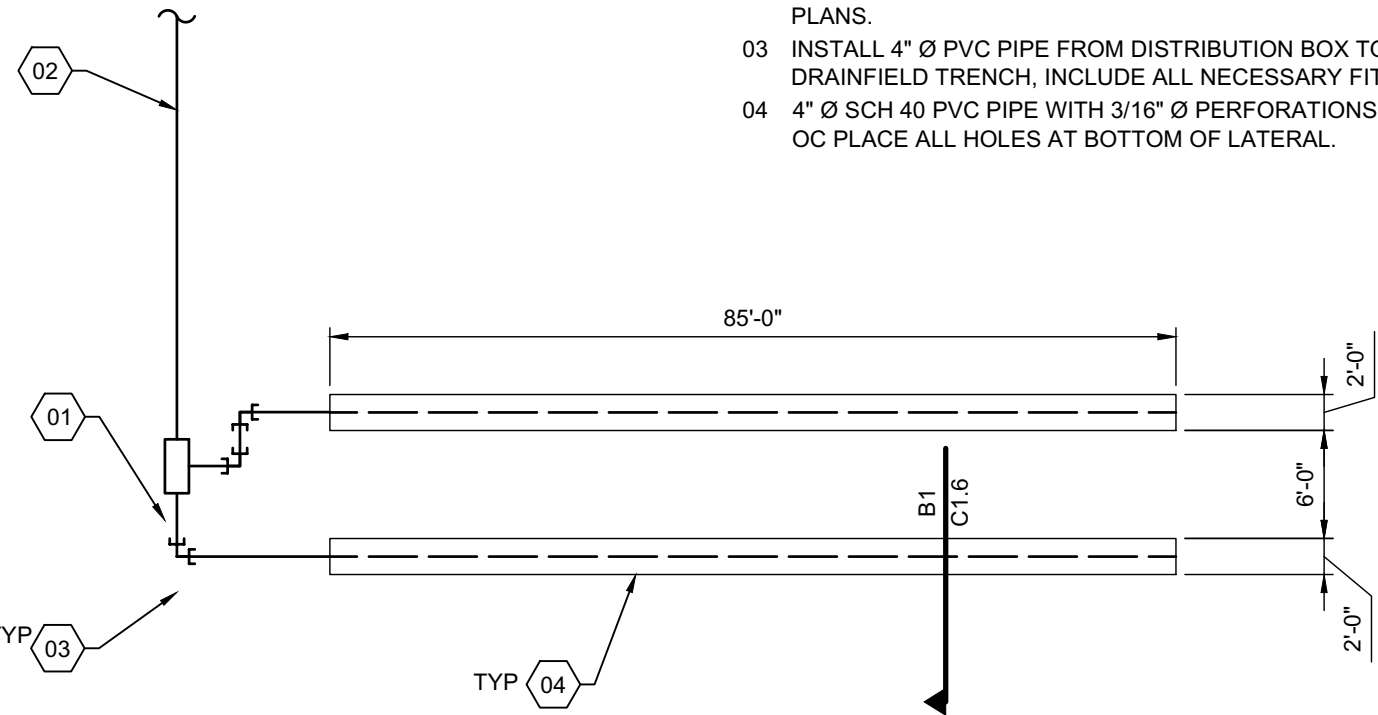


SEPTIC DRAINFIELD TRENCH CROSS  
SECTION

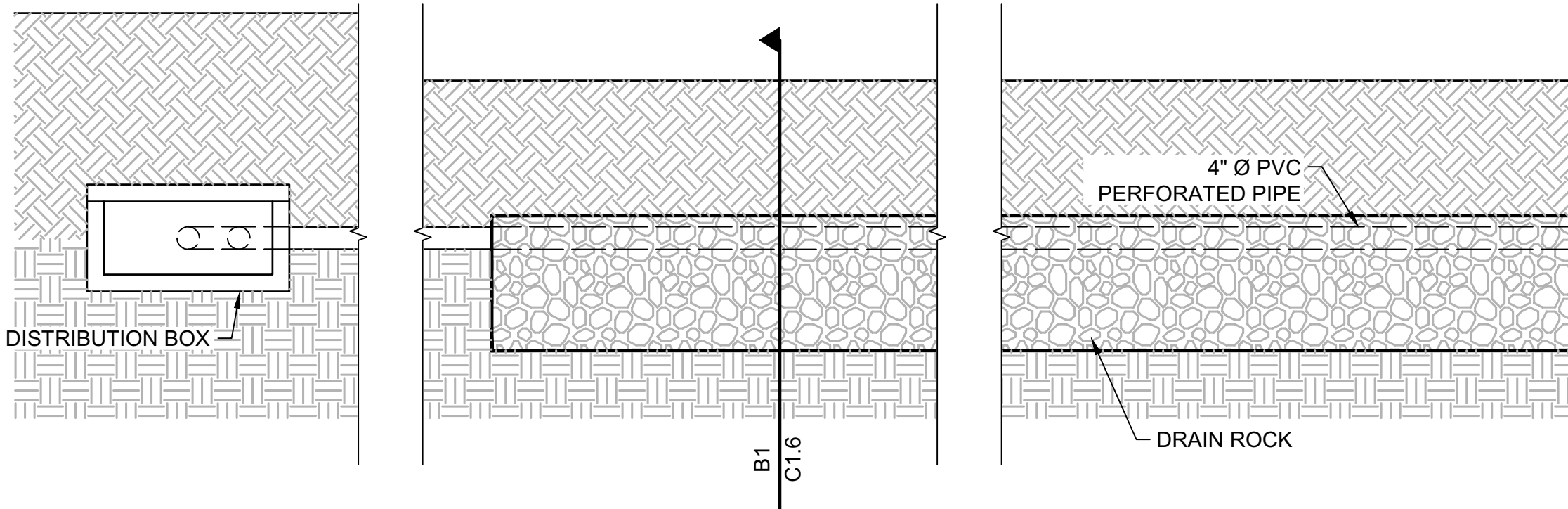
1/2" = 1'-0"

KEYNOTES:

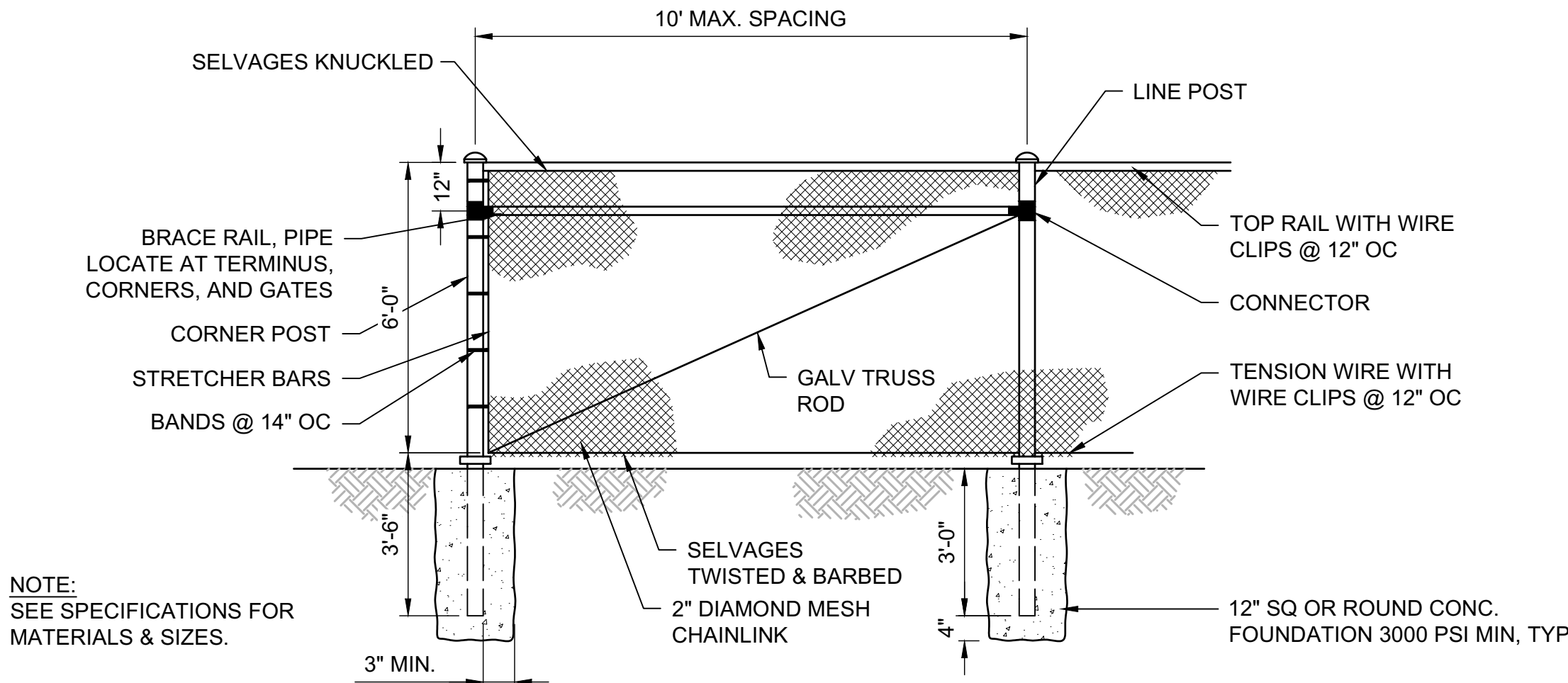
- 01 INSTALL OLD CASTLE DISTRIBUTION BOX OR APPROVED EQUAL
- 02 INSTALL 4" Ø TRANSPORT PIPE FROM SEPTIC TANK, RE: PLANS.
- 03 INSTALL 4" Ø PVC PIPE FROM DISTRIBUTION BOX TO DRAINFIELD TRENCH, INCLUDE ALL NECESSARY FITTINGS.
- 04 4" Ø SCH 40 PVC PIPE WITH 3/16" Ø PERFORATIONS AT 3'-0" OC PLACE ALL HOLES AT BOTTOM OF LATERAL.



A1 SEPTIC DRAINFIELD PLAN  
N.T.S.



A3 SEPTIC DRAINFIELD TRENCH  
N.T.S.



NOTE:  
SEE SPECIFICATIONS FOR  
MATERIALS & SIZES.

B4 FENCE - CHAIN LINK  
N.T.S.

Agency Construction Approval No. 1 for project 2021513 ISP-LTD, Manu, Housing Unit, Driggs

2021513 ISP-LTD, Manu, Housing Unit, Driggs  
180 Page, 180 Page  
Project Number: 2021513

Agency Construction Approval

CONSTRUCTION APPROVAL BY RESPONSIBLE CHIEF OFFICER OF INSTITUTION OR AGENCY

(NAME CODE 65-4716)

This is to indicate that no my delegated staff have reviewed the final plans and specifications for:  
(NAME CODE 65-4716)  
(NAME CODE 65-4716)  
(NAME CODE 65-4716)

This project incorporates the required program elements within the funding boundaries established, and authorized the Division of Public Works to proceed with funding of the project if available funds are available, and agency operating a contract and construction of the facilities in accordance with the plans and specifications.

Agency: IDHS Public Works  
Agency Signature Authority: John P. Smith  
Approved: Approved  
Date: 6/13/2022

Name or Role	Approved	Date	Initials
1. Agency - Regional Authority	Approved John P. Smith 2021513-1513-1513-1513-1513	6/13/2022	
2. Project Manager	Approved John P. Smith 2021513-1513-1513-1513-1513	6/13/2022	
3. Project Manager Review	Approved John P. Smith 2021513-1513-1513-1513-1513	6/13/2022	
4. IDHS Administration	Approved John P. Smith 2021513-1513-1513-1513-1513	6/13/2022	

DPW PROJECT NO. 21-513

ISP MANUFACTURED HOUSING UNIT

DRIGGS, IDAHO

CIVIL DETAILS

PROJECT:

REVISIONS  
1 RE-ISSUED 6/13/23

PROJECT NO.: 21515

DATE: 6/22/2022

DRAWN BY: TC

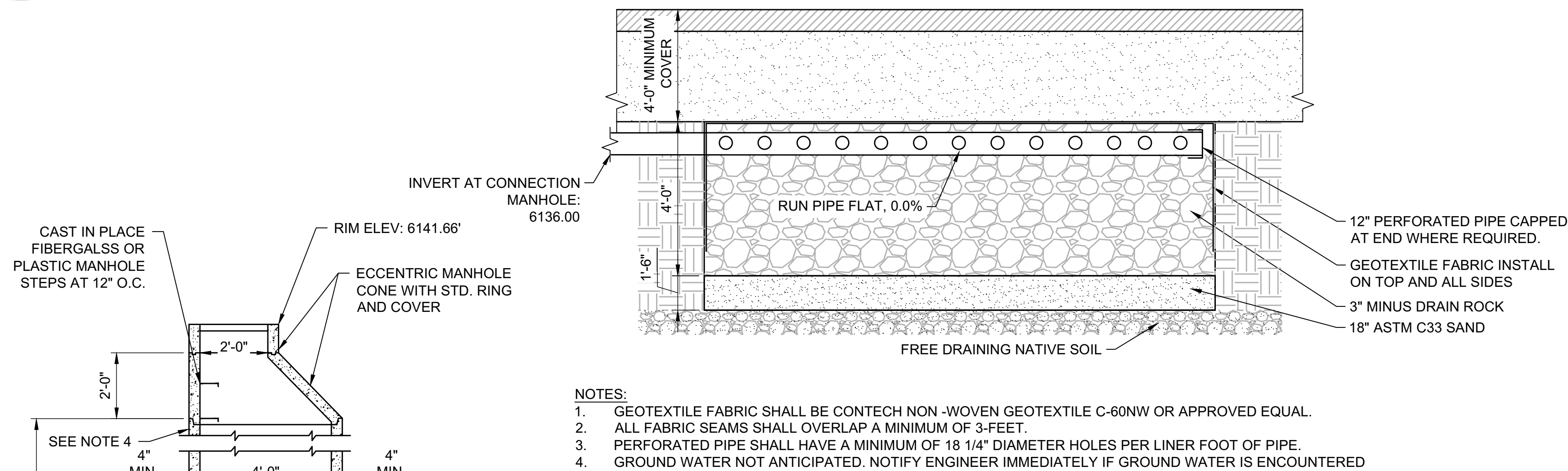
CHECKED BY: NC

DRAWING NO.:

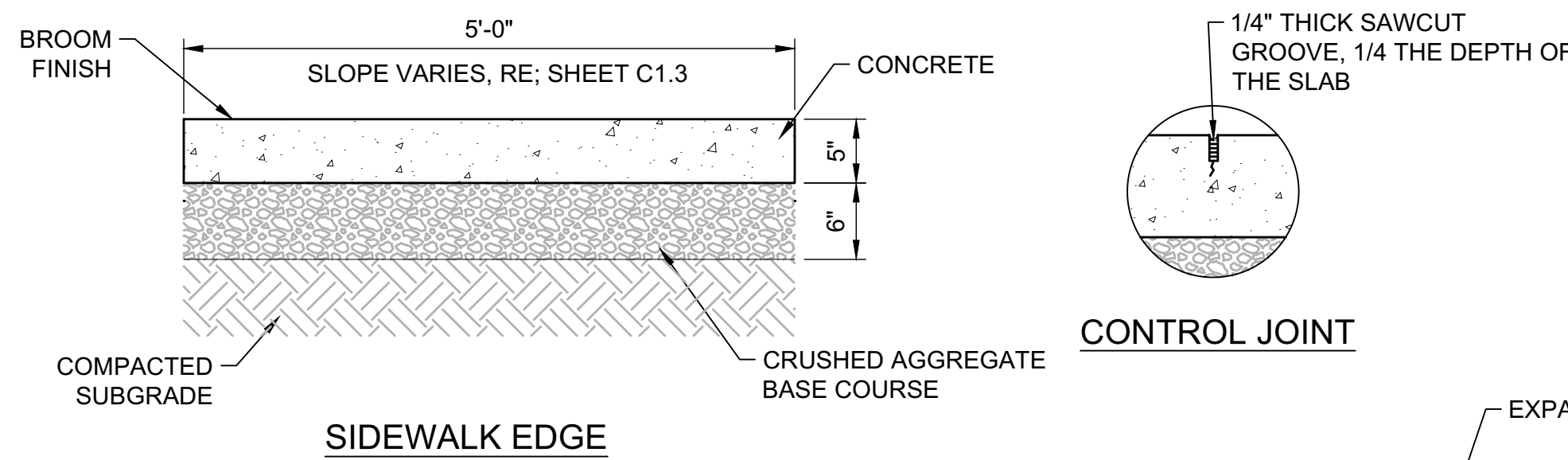
C1.6



**This is not a building permit**  
Plan Approval #:BLD2210-00046  
Date:11/30/22  
These documents have been reviewed for code compliance by the Division of Occupational and Professional Licenses. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, rules or laws applicable to this project. Corrections will be required for any code violations found during the inspection process.

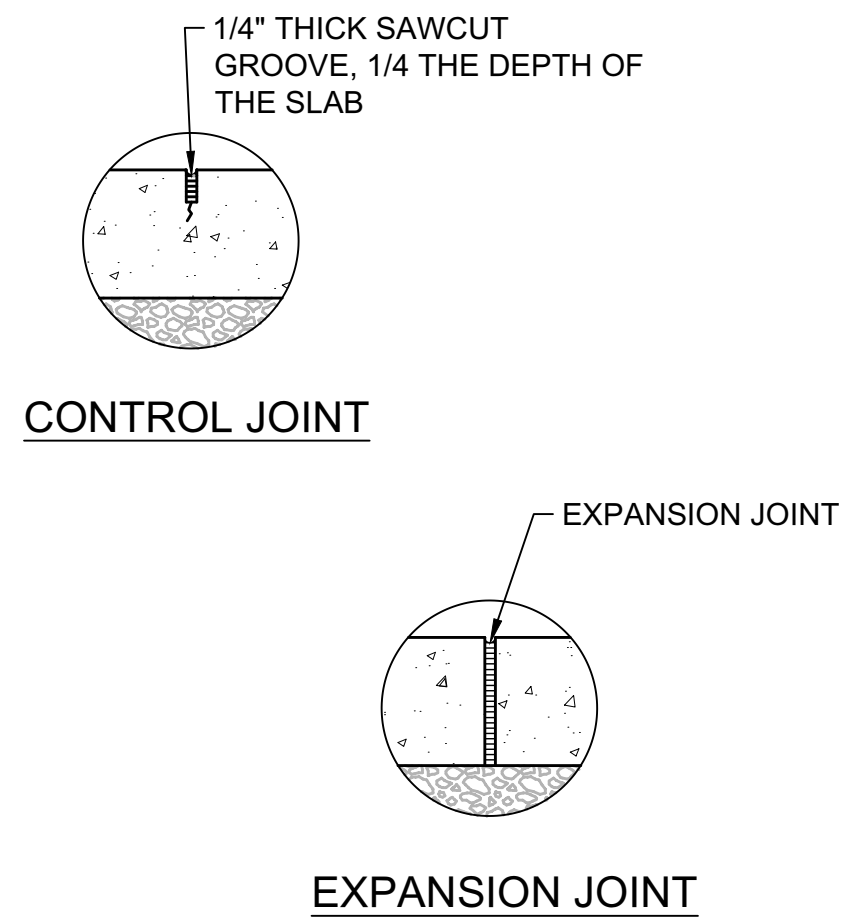


**C2** STORMWATER SEEPAGE BED CROSS SECTION  
N.T.S.



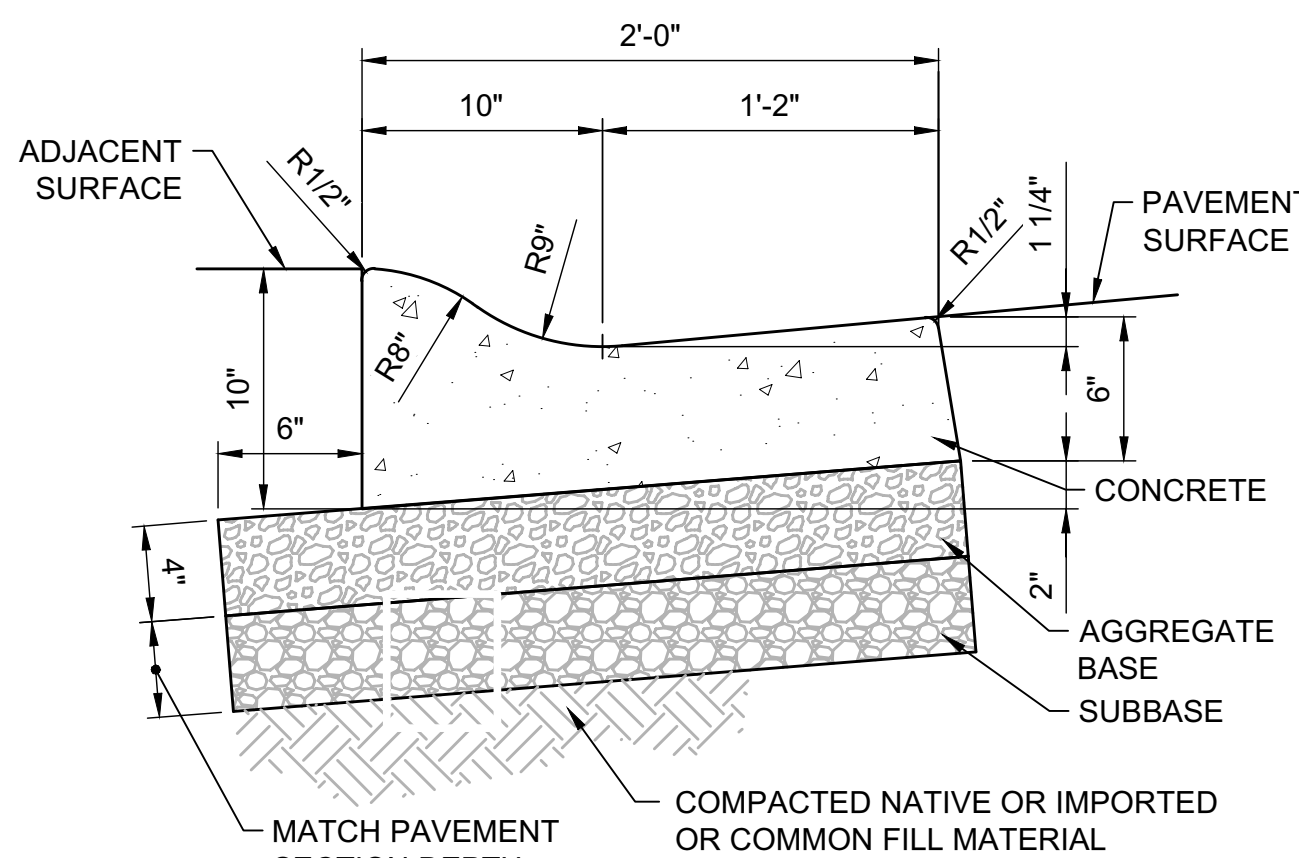
**NOTES:**

1. PLACE EXPANSION JOINT MATERIAL ADJACENT TO STRUCTURES AND 60 FEET MAXIMUM SPACING.
2. CONTINUOUS PLACEMENT PREFERRED, CONTROL JOINT INTERVALS AT 5 FEET MAXIMUM SPACING.
3. SEE SPECIFICATIONS FOR MATERIALS, PLACEMENT & CONSTRUCTION REQUIREMENTS.
4. PREPARE SUBGRADE IN ACCORDANCE WITH SPECIFICATIONS.



**B1** STORM MANHOLE  
N.T.S.

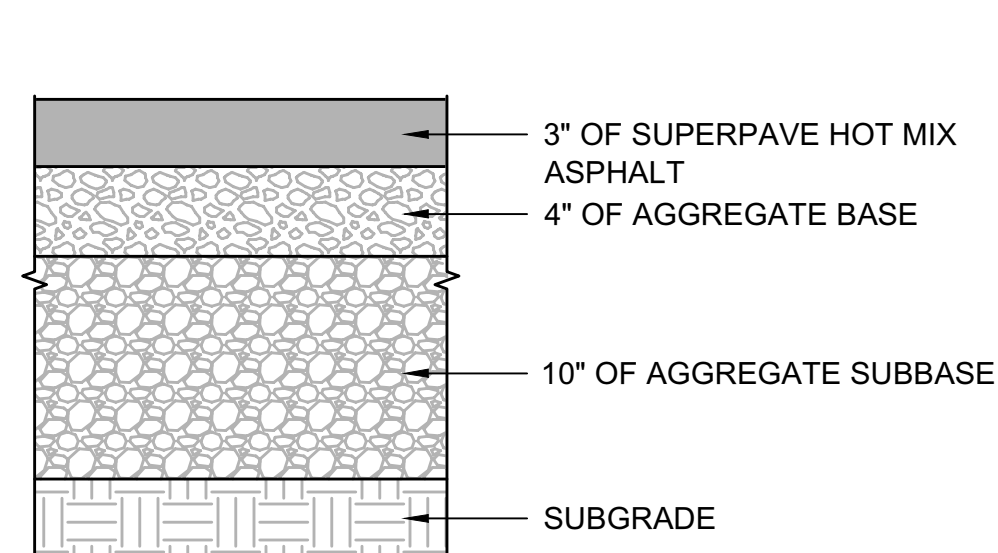
**B2** CONCRETE SIDEWALK  
N.T.S.



**A2** ROLLED CURB & GUTTER  
1-1/2" = 1'-0"

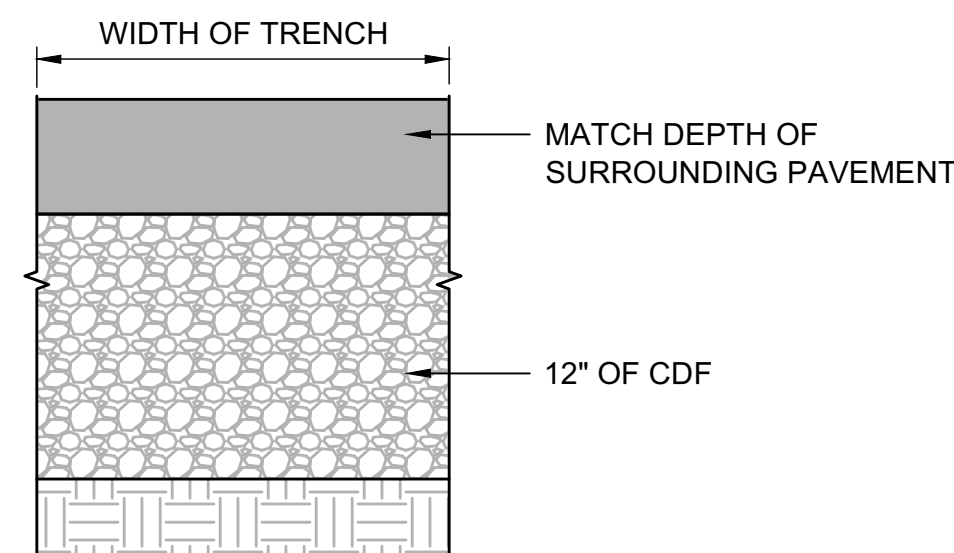
**NOTES:**

1. PLACE EXPANSION JOINT MATERIAL AT TERMINAL POINTS OF RADII, ADJACENT TO STRUCTURES AND 60-FOOT MAXIMUM SPACING.
2. CONTINUOUS PLACEMENT PREFERRED, SCORE INTERVALS 8-FOOT MAXIMUM SPACING.
3. SEE SPECIFICATIONS FOR MATERIALS, PLACEMENT & COMPACTION REQUIREMENTS.
4. ADJACENT WALKING SURFACES TO BE FLUSH WITH TOP OF CURB. ADJACENT LAWN OR LANDSCAPE SURFACES TO BE 1-INCH BELOW TOP OF CURB.



**NOTES:**

1. SEE SPECIFICATIONS FOR MATERIALS AND CONSTRUCTION REQUIREMENT.
2. PREPARE SUBGRADE IN ACCORDANCE WITH SPECIFICATIONS.

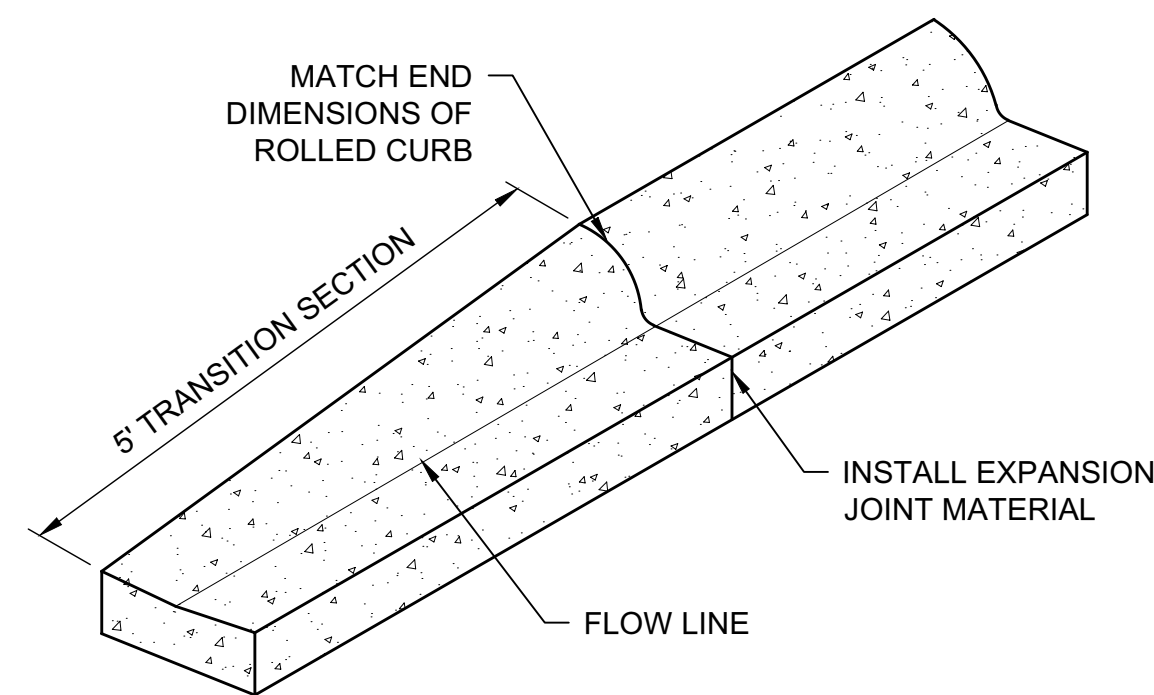


**NOTES:**

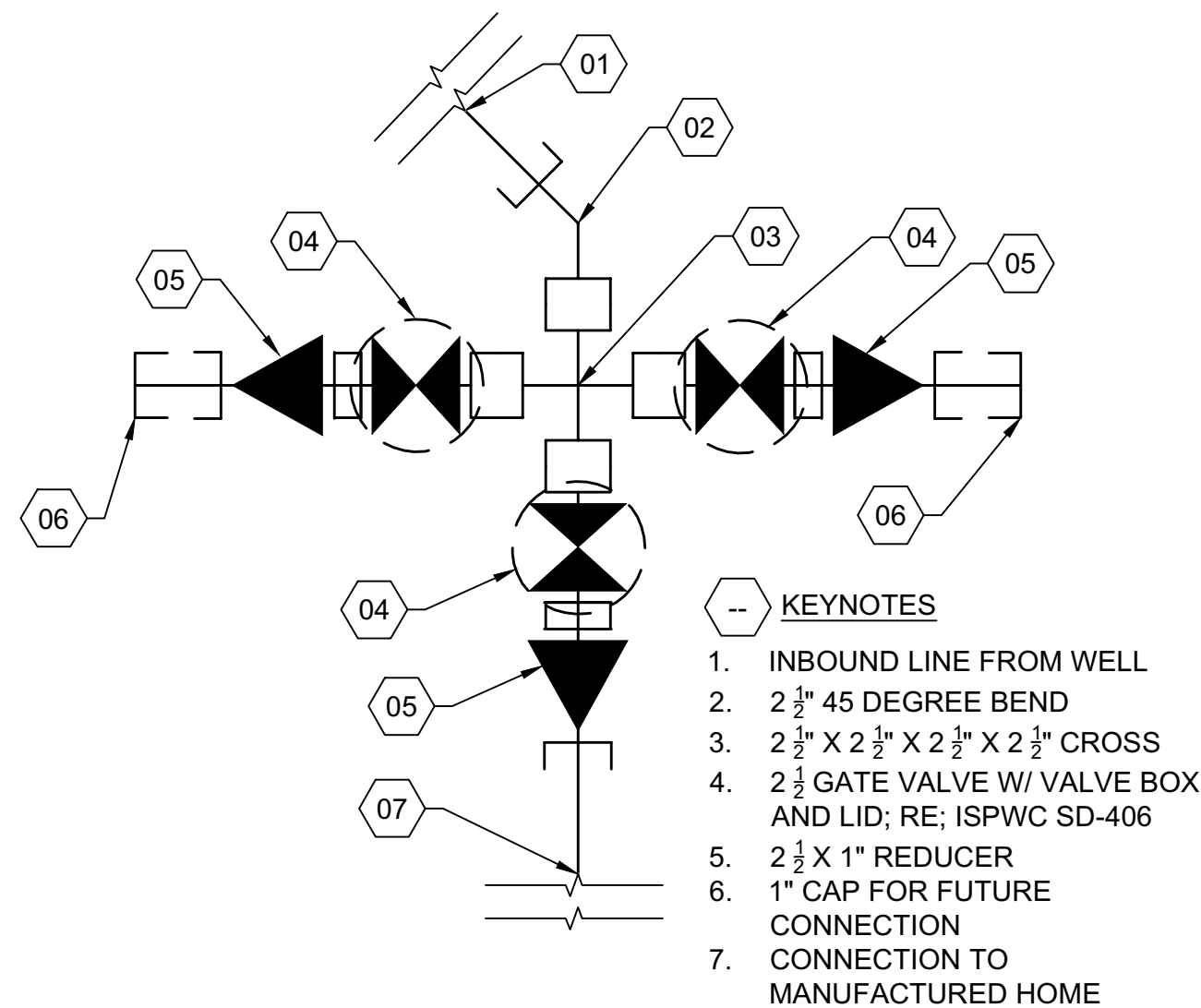
1. SEE SPECIFICATIONS FOR MATERIALS AND CONSTRUCTION REQUIREMENT.
2. PREPARE SUBGRADE IN ACCORDANCE WITH SPECIFICATIONS.

**C4** ASPHALT PAVEMENT - MODERATE DUTY  
N.T.S.

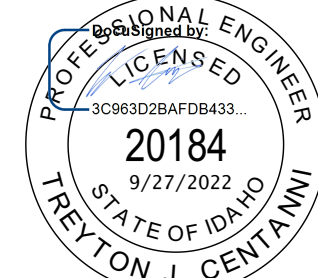
**C5** ASPHALT REPAIR W/ CDF TRENCH BACKFILL  
N.T.S.



**B4** CURB TERMINATION - TRANSITION  
N.T.S.



**A4** VALVE CLUSTER A  
N.T.S.



DPW PROJECT NO. 21-513

# ISP MANUFACTURED HOUSING UNIT

DRIGGS, IDAHO

---

TITLE: CIVIL DETAILS

PROJECT:

REVISIONS	
1	RE-ISSUED 6/13/23

PROJECT NO.: 21515

DATE: 6/22/2022

DRAWN BY: TC

CHECKED BY: NC

DRAWING NO.:

# C1.7



LANDSCAPE AREA  
PREPARATION NOTES:

- LIMIT TURF SUBGRADE PREPARATION TO AREAS TO BE PLANTED.
- NEWLY GRADED SUBGRADES: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
  - SPREAD PLANTING SOIL TO A DEPTH OF 12 INCHES IN TURF AREAS AND 18 INCHES AT SHRUB BED AREAS BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
  - SPREAD PLANTING SOIL OVER LOOSENED SUBGRADE.
  - REDUCE ELEVATION OF PLANTING SOIL TO ALLOW FOR SOIL THICKNESS OF SOD OR SEED.
- UNCHANGED SUBGRADES: IF TURF IS TO BE PLANTED IN AREAS UNALTERED OR UNDISTURBED BY EXCAVATING, GRADING, OR SURFACE-SOIL STRIPPING OPERATIONS, PREPARE SURFACE SOIL AS FOLLOWS:
  - REMOVE EXISTING GRASS, VEGETATION, AND TURF. DO NOT MIX INTO SURFACE SOIL.
  - LOOSEN SURFACE SOIL TO A DEPTH OF AT LEAST 6 INCHES. PROVIDE WEED ABATEMENT PROCEDURE. APPLY SOIL AMENDMENTS AND FERTILIZERS ACCORDING TO PLANTING SOIL MIX PROPORTIONS AND MIX THOROUGHLY INTO TOP 6 INCHES OF SOIL. TILL SOIL TO A HOMOGENEOUS MIXTURE OF FINE TEXTURE.
  - APPLY SOIL AMENDMENTS DIRECTLY TO SURFACE SOIL BEFORE LOOSENING.
  - REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, TRASH, AND OTHER EXTRANEOUS MATTER.
  - LEGALLY DISPOSE OF WASTE MATERIAL, INCLUDING GRASS, VEGETATION, AND TURF, OFF OWNER'S PROPERTY.
- FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISH GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE.
- MOISTEN PREPARED AREA BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL.
- BEFORE PLANTING, OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF FINISH GRADING; RESTORE PLANTING AREAS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING.
- DO NOT SOW IMMEDIATELY FOLLOWING RAIN, OR WHEN GROUND IS TOO DRY. TEMPERATURE SHALL BE BETWEEN 55 F AND 45 F FOR A 24 HOUR PERIOD. WIND SHALL BE LESS THAN 5 MPH.

TOPSOIL NOTES

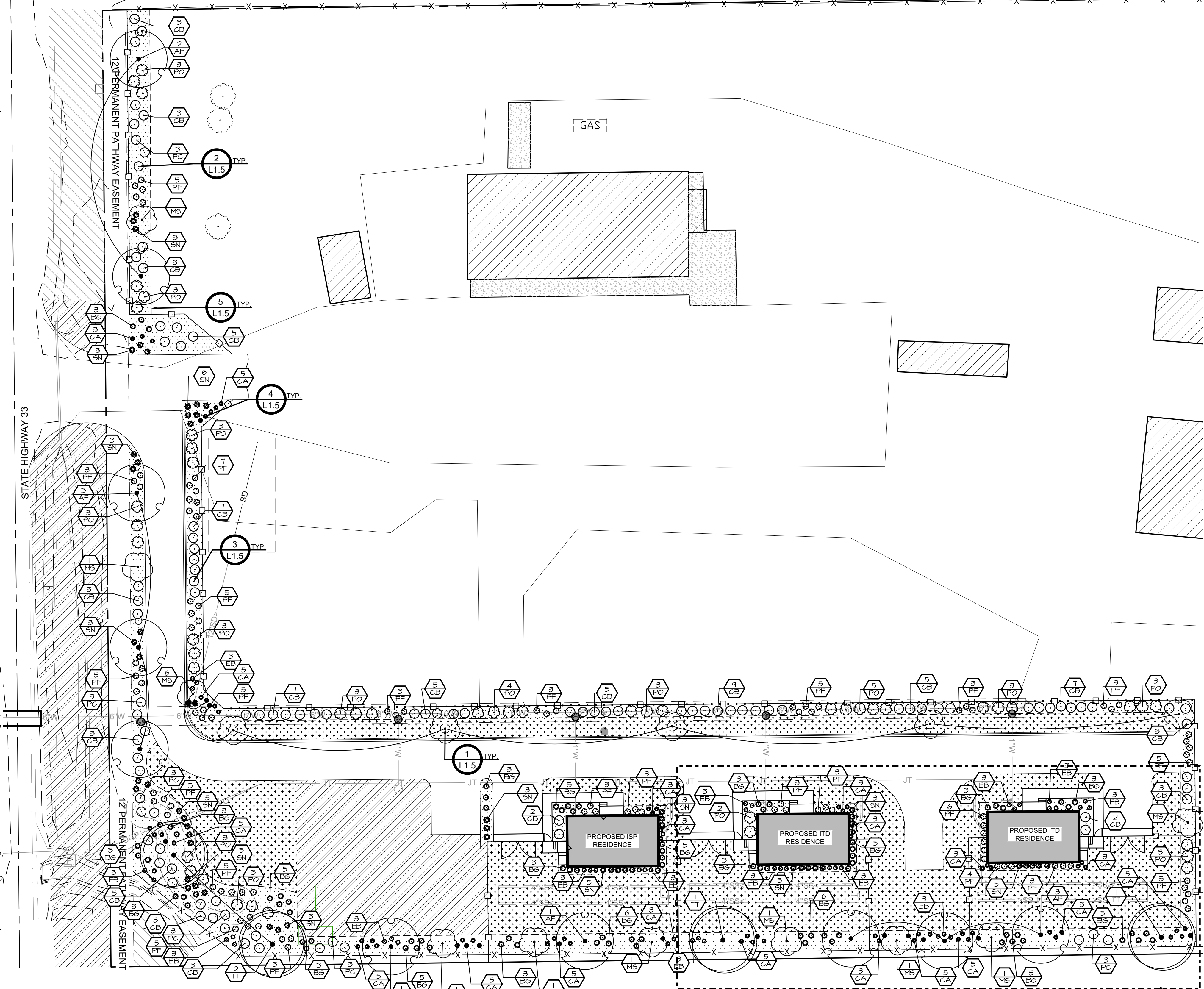
- TOPSOIL REQUIREMENTS: ASTM D 5268, PH RANGE OF 5.5 TO 7.0, FOUR PERCENT ORGANIC MATERIAL. MINIMUM, FREE OF STONES 1/2 INCH OR LARGER IN ANY DIMENSION, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.
- TOPSOIL SOURCE: STRIP EXISTING TOPSOIL FROM ALL AREAS OF THE SITE TO BE DISTURBED. TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, ORGANIC MATTER LARGER THAN 2 INCHES IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. TOPSOIL SHALL BE SCREENED TO ACHIEVE THIS REQUIREMENT.
- REPRESENTATIVE SAMPLES SHALL BE TESTED FOR ACIDITY, FERTILITY AND GENERAL TEXTURE BY A RECOGNIZED COMMERCIAL OR GOVERNMENT AGENCY AND COPIES OF THE TESTING AGENCY'S FINDINGS AND RECOMMENDATIONS SHALL BE FURNISHED TO THE ARCHITECT'S REPRESENTATIVE BY THE CONTRACTOR. ALL TOPSOIL SHALL BE AMENDED TO ACHIEVE SPECIFIED PH AND ORGANIC REQUIREMENTS. RE-TEST TOPSOIL PRIOR TO FINAL COMPLETION TO ENSURE REQUIREMENTS HAVE BEEN MET. NO TOPSOIL SHALL BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION.
- PLACE TOPSOIL IN AREAS WHERE REQUIRED TO OBTAIN THICKNESS AS SCHEDULED. PLACE TOPSOIL DURING DRY WEATHER. PROVIDE ADDITIONAL IMPORTED TOPSOIL REQUIRED TO BRING SURFACE TO PROPOSED FINISH GRADE, AS REQUIRED.
- COMPACTED TOPSOIL THICKNESS AT THE FOLLOWING AREAS:
  - LAWN AREAS: 12 INCHES MINIMUM OR AS NECESSARY TO ACHIEVE EVEN GRADES WITH SURROUNDING LAWN AREAS.
  - PLANTER BEDS: 18 INCHES MINIMUM
- FINE GRADE TOPSOIL TO SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE. REMOVE RIDGES AND FILL DEPRESSIONS, AS REQUIRED TO MEET FINISH GRADES. FINISH GRADE OF TOPSOIL SHALL BE 2" BELOW FINISH GRADE OF PAVEMENT AREAS FOR SOD AND 1" FOR SEED.
- TOPSOIL STOCKPILE LOCATIONS TO BE COVERED COORDINATE WITH EROSION AND SEDIMENT CONTROL PLAN.
- ALL GRAVEL, SUBBASE, AND OTHER IMPORTED FILL MATERIALS OTHER THAN TOPSOIL STOCKPILES SHALL BE STOCKPILED OR TEMPORARILY PLACED IN PROPOSED LANDSCAPE AREAS TO PREVENT LANDSCAPE AREAS FROM BEING CONTAMINATED WITH ROCK MATERIALS. CONTRACTOR SHALL SUBMIT A DETAILED STOCKPILE PLAN TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO ANY EARTHWORK OPERATIONS.

WEED ABATEMENT NOTES:

- ALL AREAS TO BE PLANTED OR HYDROSEEDING SHALL HAVE NEED ABATEMENT OPERATIONS PERFORMED ON THEM PRIOR TO PLANTING OR HYDROSEEDING.
- CONTRACTOR SHALL SPRAY ALL EXPOSED WEEDS WITH GROUND-UP (CONTACT HERBICIDE) OR APPROVED EQUAL.
- DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE EXPOSED WEEDS FROM THE SITE.
- CONTRACTOR SHALL OPERATE THE AUTOMATIC IRRIGATION SYSTEM FOR A PERIOD OF FOURTEEN (14) DAYS. AT CONCLUSION OF THIS WATERING PERIOD, DISCONTINUE WATERING FOR THREE TO FIVE (3-5) DAYS.
- APPLY SEED APPLICATION OF GROUND-UP TO ALL EXPOSED WEEDS. APPLY IN STRICT CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE WEEDS FROM THE SITE.
- IF ANY EVIDENCE OF WEED GERMINATION EXISTS AFTER TWO (2) APPLICATIONS, CONTRACTOR SHALL BE DIRECTED TO PERFORM A THIRD APPLICATION.
- AT THE TIME OF PLANTING AND HYDROSEEDING, ALL PLANTING AREAS SHALL BE WEED FREE.

TURF AREA PREPARATION  
NOTES:

- LIMIT TURF SUBGRADE PREPARATION TO AREAS TO BE PLANTED.
- NEWLY GRADED SUBGRADES: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
- SPREAD PLANTING SOIL OVER LOOSENED SUBGRADE.
- REDUCE ELEVATION OF PLANTING SOIL TO ALLOW FOR SOIL THICKNESS OF SOD.
- UNCHANGED SUBGRADES: IF TURF IS TO BE PLANTED IN AREAS UNALTERED OR UNDISTURBED BY EXCAVATING, GRADING, OR SURFACE-SOIL STRIPPING OPERATIONS, PREPARE SURFACE SOIL AS FOLLOWS:
  - REMOVE EXISTING GRASS, VEGETATION, AND TURF. DO NOT MIX INTO SURFACE SOIL.
  - LOOSEN SURFACE SOIL TO A DEPTH OF AT LEAST 6 INCHES. APPLY SOIL AMENDMENTS AND FERTILIZERS ACCORDING TO PLANTING SOIL MIX PROPORTIONS AND MIX THOROUGHLY INTO TOP 6 INCHES OF SOIL. TILL SOIL TO A HOMOGENEOUS MIXTURE OF FINE TEXTURE.
- APPLY SOIL AMENDMENTS DIRECTLY TO SURFACE SOIL BEFORE LOOSENING.
  - REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, TRASH, AND OTHER EXTRANEOUS MATTER.
  - LEGALLY DISPOSE OF WASTE MATERIAL, INCLUDING GRASS, VEGETATION, AND TURF, OFF OWNER'S PROPERTY.
- FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISH GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE.
- MOISTEN PREPARED AREA BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL.
- BEFORE PLANTING, OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF FINISH GRADING; RESTORE PLANTING AREAS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING.



LANDSCAPE LEGEND

- EXISTING PLANTS TO REMAIN
- PLANTS TO BE INSTALLED
- CUT EDGE AS DETAILED
- PROPERTY LINE (VERIFY)
- EXISTING FENCE TO REMAIN
- PROPOSED FENCE, SEE CIVIL PLANS FOR MORE INFORMATION.
- DETAIL NUMBER  
SHEET NUMBER
- TURF SOD OVER TOPSOIL AS SPECIFIED
- 2" MINUS CRUSHED BASALT OVER DEWIT 5 PRO NEED BARRIER FABRIC AND TOPSOIL AS SPECIFIED OR APPROVED EQUAL
- DRYLAND SEED MIX OVER TOPSOIL AS SPECIFIED
- SAVE AND PROTECT EXISTING RIGHT OF WAY LANDSCAPE

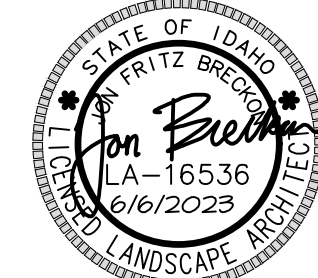
LANDSCAPE  
REQUIREMENTS

HIGHWAY 33 BUFFER			
Requirements:	LENGTH	TREES REQ'D	TREES PROVIDED
20' BUFFER	400'	13	13
1 TREE / 30 LF.			
SOUTH BUFFER-TYPE B			
Requirements:	LENGTH	TREES REQ'D	TREES PROVIDED
4 TREE / 100 LF.	500'	20	20
TREE REQUIREMENTS			
Requirements: Mature height and spread of 35' x 30' for shade trees and 15' x 15' for understory trees with a caliper of at least 2" and hardy to Zone 4b.			

PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
CONIFER TREES					
PA	18	Pinus aristata	Bristlecone Pine	6'-7' Ht. B4B	20' x 5' W
DECIDUOUS SHADE TREES					
AF	10	Acer x freemanii 'Jeffersred'	Autumn Blaze Maple	2" Cal. B4B	50' x 40' W
TT	4	Tilia tomentosa	Silver Linden	2" Cal. B4B	60' x 35' W
FLOWERING ORNAMENTAL TREES					
MS	15	Malus x 'Spring Snow'	Spring Snow Crabapple	2" Cal. B4B	20' x 15' W
SHRUBS, PERENNIALS, & ORNAMENTAL GRASSES					
BG	83	Bouteloua gracilis	Blue Grama Grass	1 gal.	3' x 3' W
CA	20	Calamagrostis x acutiflora	Feather Reed Grass	1 gal.	4' x 2' W
CB	26	Cornus alba 'Ballhale' TM	Ivory Halo Dogwood	5 gal.	5' x 5' W
EB	42	Echinacea x 'Balsomseed'	Sombrero Salsa Coneflower	1 gal.	3' x 2' W
PO	47	Physocarpus opulifolius 'Monlo'	Diablo Ninebark	5 gal.	6' x 6' W
PF	44	Potentilla fruticosa	Bush Cinquefoil	5 gal.	4' x 3' W
SN	58	Salvia nemorosa 'May Night'	May Night Sage	1 gal.	3' x 3' W

ADD ALTERNATE  
No. 1



**nbwarchitects p.a.**  
ARCHITECTURE / PLANNING / INTERIORS  
990 JOHN ROADS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212  
(P) 208.522.8779 (F) 208.522.8785 (W) nbwarchitects.com

DPW PROJECT NO. 21-513  
**ISP-ITD MANUFACTURED HOUSING UNIT**  
DRIGGS, IDAHO  
LANDSCAPE PLAN  
SHEET TITLE

PROJECT:

REVISIONS	
1	RE-ISSUED 6/13/23

PROJECT NO.:  
21018 BLD #22048  
DATE:  
JUNE 6, 2023  
DRAWN BY:  
EB/CP  
CHECKED BY:  
JB

DRAWING NO.:

L1.1

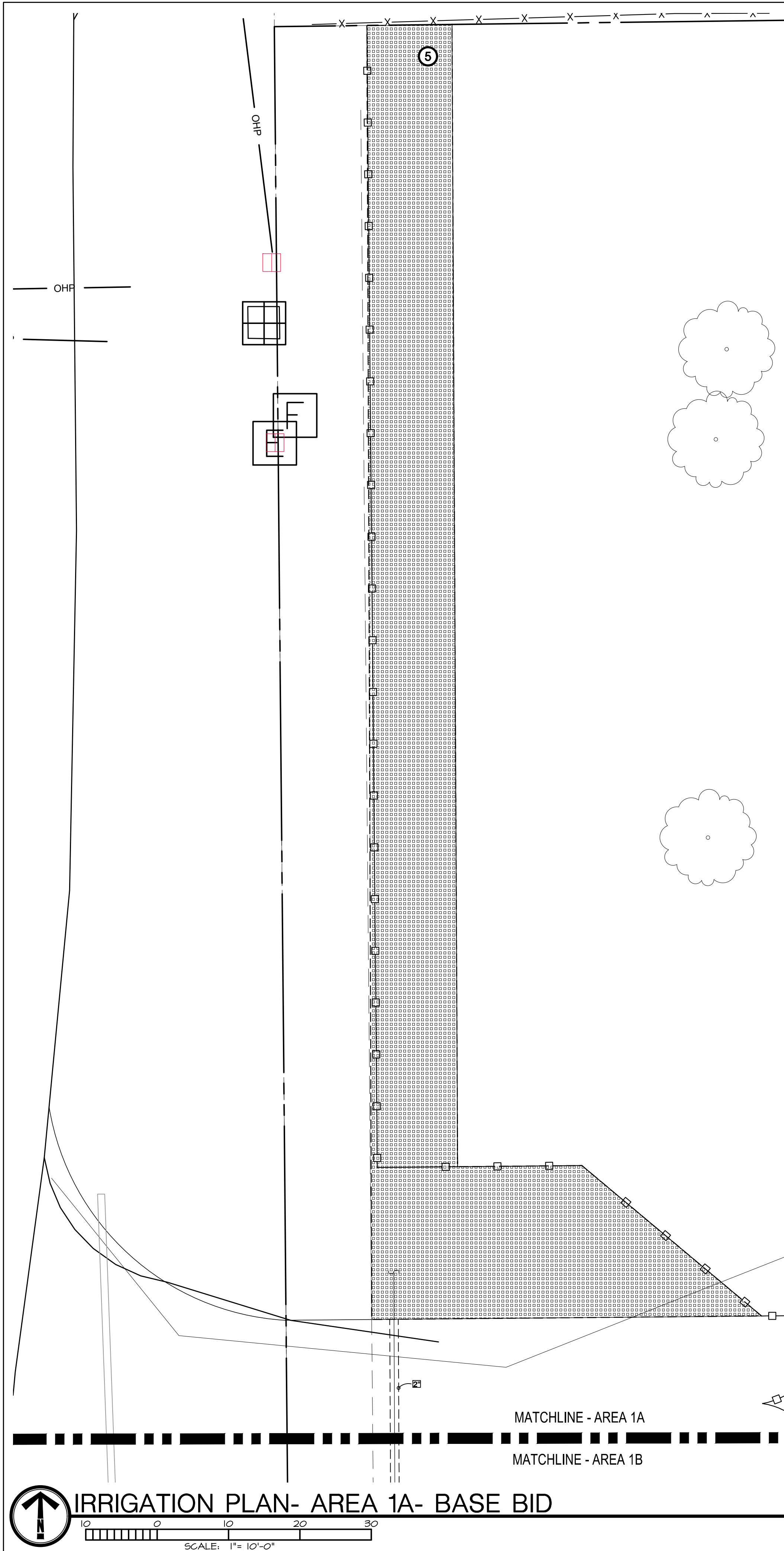


# L1.5

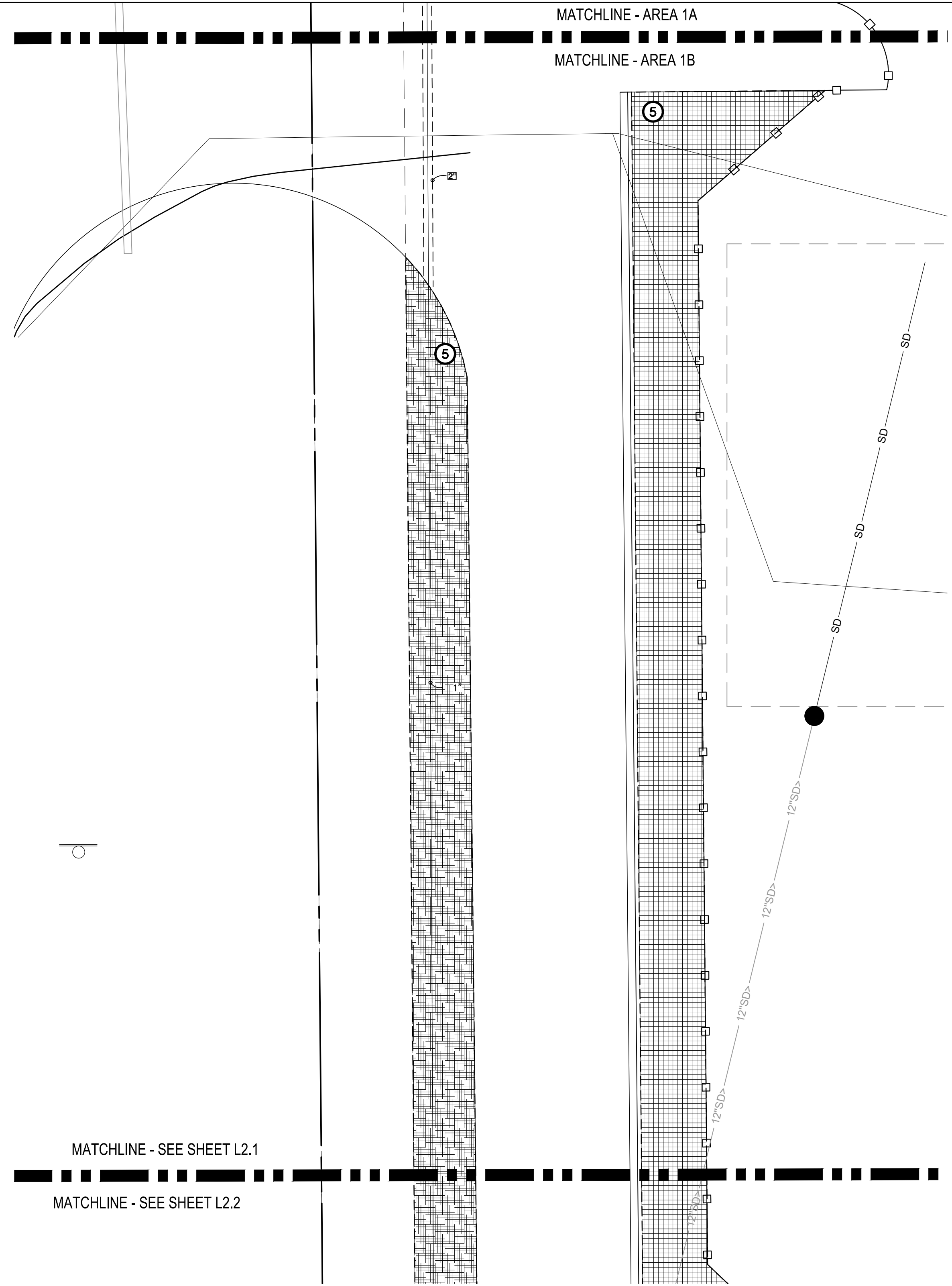








IRRIGATION PLAN- AREA 1A- BASE BID



IRRIGATION PLAN- AREA 1B- BASE BID

## DRIP MATERIAL LEGEND

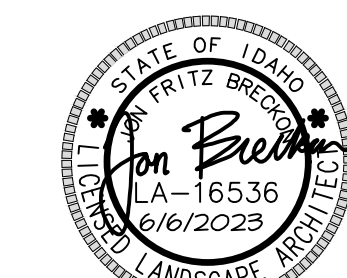
POC 1			
NETAFIM -ZONE 1		NETAFIM -ZONE 4	
NETAFIM -ZONE 2		NETAFIM -ZONE 5	
NETAFIM -ZONE 3		NETAFIM -ZONE 11	

## CALLOUT LEGEND

- CONNECT NEW 1 1/2" MAINLINE TO NEW 1 1/2" IRRIGATION STUB BY CIVIL IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING PIPE SIZE AND PROVIDE ALL FITTINGS AND MATERIALS AS REQUIRED TO TRANSITION INTO NEW MAINLINE.
- WALL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION. CONNECT 120 VOLT POWER AS REQUIRED. ALL ABOVE GRADE WIRES SHALL BE PLACED IN APPROPRIATE SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE ALL CONTROLLER OPERATIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL. SEE DETAIL.
- PEDESTAL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION. CONNECT 120 VOLT POWER AS REQUIRED. ALL ABOVE GRADE WIRES SHALL BE PLACED IN APPROPRIATE SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE ALL CONTROLLER OPERATIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL. SEE DETAIL.
- 2" WIRE SLEEVE. ROUTE TO CONTROLLER LOCATION PER LOCAL CODES AS REQUIRED. COORDINATE WITH ELECTRICAL.
- INSTALL HUNTER EGO INDICATOR STAKE AT END OF DRIZONE LINE TO ENSURE PROPER FUNCTIONALITY, SEE DETAIL 10/L2.5.

## IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
20 21 42 44 60 81	Hunter PRO5-04-PR530-CV short radius nozzles Turf Spray, 30 psi regulated 4" Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
0 1 10 11 12 13 14 15	Hunter PRO5-04-PR530-CV Turf Spray, 30 psi regulated 4" Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
0 1 10 11 12 13 14 15	Hunter PRO5-04-PR530-CV adjustable arc Turf Spray, 30 psi regulated 4" Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
20	Hunter I-20-04-MFR 30 Turf Rotor, 4" Pop-Up, Adjustable and Full Circle. Plastic Riser. Drain Check Valve, MFR Nozzle. See detail 7/L2.6.
2.0 4.0	Hunter I-20-04-PRB Turf Rotor, 4in. Pop-Up, Adjustable and Full Circle. Plastic Riser. Drain Check Valve, Standard Nozzle, Pressure Regulating Body. Nozzle size as indicated on plans. See detail 7/L2.6.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
20	Netafim LVC210075-HFHP Pre-Assembled Control Zone Kit, with 1" Series 80 Control Valve, 3/4" Disc Filter, and High Flow Pressure Regulator 4.56PM to 17.66PM. See detail 2/L2.6.
20	Netafim LVC258010075-LF Pre-Assembled Control Zone Kit, with 1" Series 80 Control Valve, 3/4" Disc Filter, and Low Flow Pressure Regulator 0.256PM-4.46PM. See detail 3/L2.6.
20	Area to Receive Dripline Netafim TLCV-04-18 Techline Pressure Compensating Landscape Dripline with Check Valve. 0.4 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. 17mm.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
20	Hunter ICV-6-F5 1"-1 1/2" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. With Filter Sentry.
20	Hunter HQ-5LRG Quick coupler valve, yellow locking rubber cover, red brass and stainless steel, with 1" NPT Inlet, 1-piece body. See detail 8/L2.5.
20	"Mueller" Brass Valve or approved equal. Threaded. See detail 5/L2.5.
20	Hunter ICV-6 1-1/2" 1", 1-1/2", 2", and 3" Plastic Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. See detail 4/L2.6.
20	Matts U004 1-1/2" Reduced Pressure Backflow Preventer. See detail 1/L2.5.
20	Hunter HCC-1600-M/CG-FED 16 Station Outdoor Wi-Fi enabled, full-functioning controller with touchscreen & one ICM-800 Module. Commercial Use. Metal Pedestal. See detail 2/L2.5.
20	Hunter PCC-1200 Light Commercial & Residential Controller, 12-Station fixed controller, 120 VAC, Outdoor model. See detail 4/L2.5.
20	Hunter MWS-FR Weather Station with rain sensor, wind sensor and freeze sensor, 120 VAC, 5 amp, 5 year warranty. See detail 3/L2.5.
20	Hunter HFS-200 Flow Sensor for use with ACC controller, 2" Schedule 40 Sensor Body, 24 VAC, 2 amp. See detail 5/L2.6.
20	Cap for future use
POC1 POC2 POC3 POC4	Point of Connection 1 1/2" Point of Connection 1 1/2" Point of Connection 1 1/2" Point of Connection 1 1/2"
12"SD>	Irrigation Lateral Line: PVC Schedule 40 Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4".
1-1/2"	1-1/2" Irrigation Mainline: PVC Schedule 40 (Solvent Weld)
---	Pipe Sleeve: PVC Schedule 40
2"	Schedule 40 PVC for electrical control wires, size as indicated on plans. coordinate with electrical.
5	"Netafim" Combination Tee. See detail 9/L2.5.
Valve Callout	Valve Number Valve Flow Valve Size



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PROJECT: DPW PROJECT NO. 21-513  
**ISP-ITD MANUFACTURED HOUSING UNIT**  
DRIGGS, IDAHO  
SHEET TITLE: IRRIGATION PLAN- AREA ONE

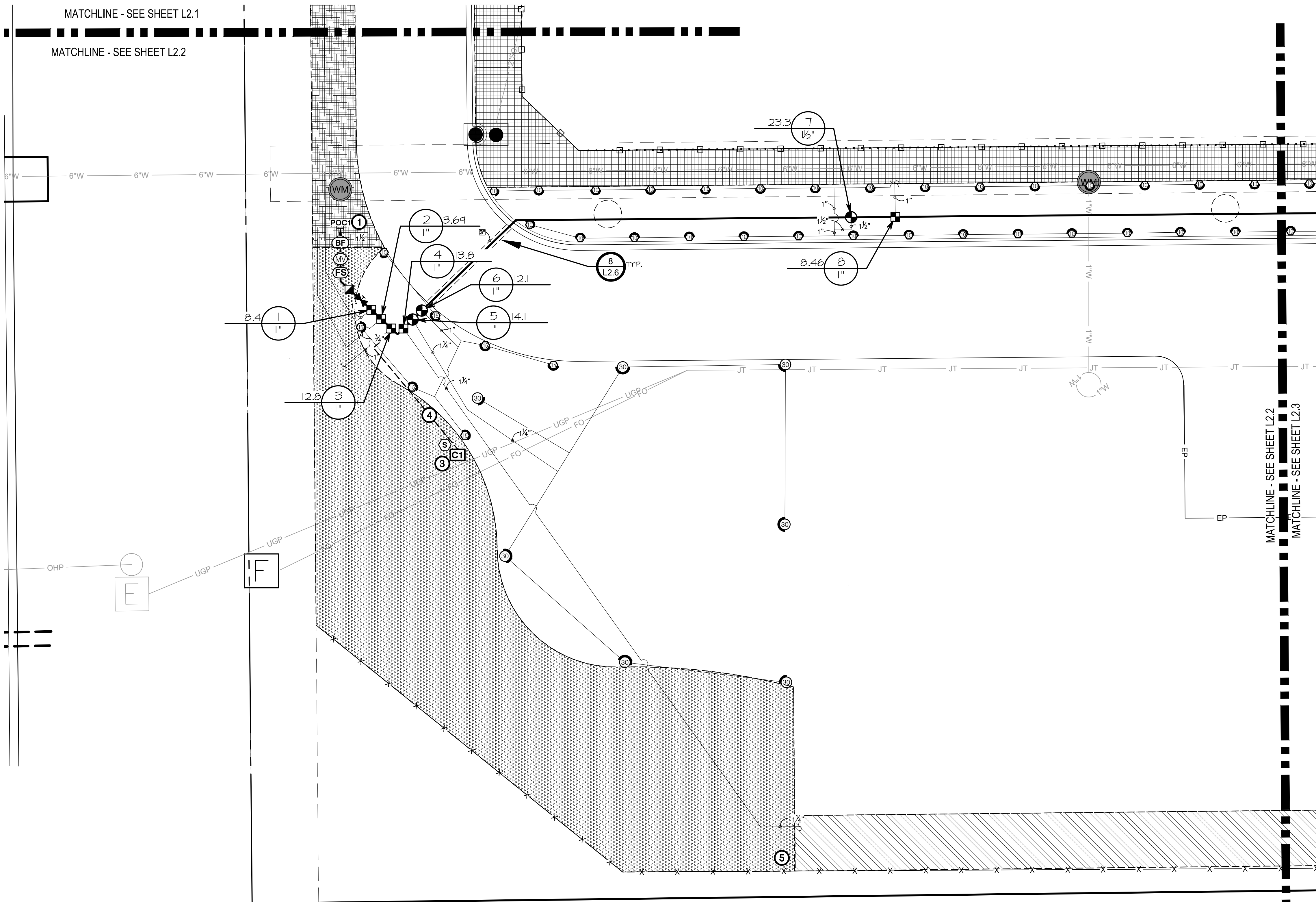
REVISIONS
1 RE-ISSUED 6/13/23

PROJECT NO.: 21018 BLD #22048  
DATE: JUNE 6, 2023  
DRAWN BY: EB/CP  
CHECKED BY: JB

DRAWING NO.:

L2.1





IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PR25-04-PR530-CV short radius nozzles
	Hunter PR25-04-PR530-CV 4" Pop-Up. With factory installed Drain Check Valve. Co-molded niper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
	Hunter PR05-04-PR530-CV 4" Pop-Up. With factory installed Drain Check Valve. Co-molded niper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
	Hunter PR05-04-PR530-CV adjustable arc
	Hunter PR25-04-PR530-CV 4" Pop-Up. With factory installed Drain Check Valve. Co-molded niper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter 1-20-04-MPR 30 Turf Rotor, 4" Pop-Up, Adjustable and Full Circle. Plastic Riser. Drain Check Valve, MPR Nozzle. See detail 1/L2.6.
	Hunter 1-20-04-FRB 30 Turf Rotor, 4in. Pop-Up, Adjustable and Full Circle. Plastic Riser. Drain Check Valve, Standard Nozzle. Pressure Regulating Body. Nozzle size as indicated on plans. See detail 1/L2.6.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Netafim LVGZ100T5-HFHP Pre-Assembled Control Zone Kit, with 1" Series 80 Control Valve, 3/4" Disc Filter, and High Flow Pressure Regulator 4.5GPM to 17.6GPM. See detail 2/L2.6.
	Netafim LVGZ580100T5-LF Pre-Assembled Control Zone Kit, with 1" Series 80 Control Valve, 3/4" Disc Filter, and Low Flow Pressure Regulator 2.25GPM-4.45GPM. See detail 3/L2.6.
	Netafim TLCV-04-18 Techline Pressure Compensating Landscape Dripline with Check Valve. 0.4 GPM emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. 17mm.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter ICV-6-FS 1"-1/2" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. With Filter Sentry.
	Hunter HQ-5LRC Quick coupler valve, yellow locking rubber cover, red brass and stainless steel, with 1" NPT Inlet, 1-piece body. See detail 8/L2.5.
	Mueller Brass Valve or approved equal. Threaded. See detail 5/L2.5.
	Hunter ICV-6 1-1/2", 2", and 3" Plastic Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. See detail 4/L2.6.
	Watts UQ09 1-1/2" Reduced Pressure Backflow Preventer. See detail 1/L2.5.
	Hunter HCC-1600-M/CC-PED 16 Station Outdoor Weather Station, 16-Station Outdoor Weather Station with rain sensor, wind sensor and freeze sensor, 120 VAC, 5 amp. 5 year warranty. See detail 3/L2.5.
	Hunter HFS-200 Flow Sensor for use with ACC controller, 2" Schedule 40 Sensor Body, 24 VAC, 2 amp. See detail 5/L2.6.
	Cap for future use
	Point of Connection 1 1/2"
	Point of Connection 1 1/2"
	Point of Connection 1 1/2"
	Point of Connection 1 1/2"
	Irrigation Lateral Line, PVC Schedule 40
	1-1/2" Irrigation Mainline, PVC Schedule 40 (Solvent Weld)
	Pipe Sleeve, PVC Schedule 40
	Schedule 40 PVC for electrical control wires, size as indicated on plans. coordinate with electrical.
	Netafim Combination Tee. See detail 9/L2.5.
	Valve Callout
	Valve Number
	Valve Flow
	Valve Size

IRRIGATION PLAN- AREA TWO- BASE BID

VALVE SCHEDULE - POC 1

NUMBER	MODEL	SIZE	TYPE	GPM	PSI
1	Netafim LVGZ100T5-HFHP	1"	Area for Dripline	8.4	44.5
2	Netafim LVGZ100T5-HFHP	1"	Area for Dripline	9.64	31.6
3	Netafim LVGZ100T5-HFHP	1"	Area for Dripline	12.75	44.1
4	Netafim LVGZ100T5-HFHP	1"	Area for Dripline	13.8	46.2
5	Hunter ICV-6-FS	1"	Turf Rotor	14.25	40.2
6	Hunter ICV-6-FS	1"	Turf Spray	12.13	33.8
7	Hunter ICV-6-FS	1-1/2"	Turf Spray	23.3	32.4
8	Netafim LVGZ100T5-HFHP	1"	Area for Dripline	8.46	40.0
9	Hunter ICV-6-FS	1-1/2"	Turf Spray	22.88	32.8
10	Hunter ICV-6-FS	1-1/2"	Turf Spray	22.88	32.8
11	Netafim LVGZ100T5-HFHP	1"	Area for Dripline	4.23	40.6
12	Hunter ICV-6-FS	1-1/2"	Turf Spray	23.3	33.4

DRIP MATERIAL LEGEND POC 1

	NETAFIM -ZONE 1		NETAFIM -ZONE 4
	NETAFIM -ZONE 2		NETAFIM -ZONE 8
	NETAFIM -ZONE 3		NETAFIM -ZONE 11

DRIP MATERIAL LEGEND POC 2

	NETAFIM -ZONE 3
	NETAFIM -ZONE 7

DRIP MATERIAL LEGEND POC 3

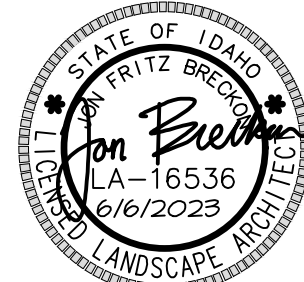
	NETAFIM -ZONE 2
	NETAFIM -ZONE 1

DRIP MATERIAL LEGEND POC 4

	NETAFIM -ZONE 1
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CALLOUT LEGEND

- CONNECT NEW 1 1/2" MAINLINE TO NEW 1 1/2" IRRIGATION STUB BY CIVIL IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING PIPE SIZE AND PROVIDE ALL FITTINGS AND MATERIALS AS REQUIRED TO TRANSITION INTO NEW MAINLINE.
- WALL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION. CONNECT 120 VOLT POWER AS REQUIRED. ALL ABOVE GRADE WIRES SHALL BE PLACED IN APPROPRIATE SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE ALL CONTROLLER OPERATIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL. SEE DETAIL.
- PEDESTAL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION. CONNECT 120 VOLT POWER AS REQUIRED. ALL ABOVE GRADE WIRES SHALL BE PLACED IN APPROPRIATE SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE ALL CONTROLLER OPERATIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL. SEE DETAIL.
- 2" WIRE SLEEVE. ROUTE TO CONTROLLER LOCATION PER LOCAL CODES AS REQUIRED. COORDINATE WITH ELECTRICAL.
- INSTALL 'HUNTER' ECO INDICATOR STAKE AT END OF DRIFZONE LINE TO ENSURE PROPER FUNCTIONALITY, SEE DETAIL 10/L2.5.



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DPW PROJECT NO. 21-513  
**ISP-ITD MANUFACTURED HOUSING UNIT**  
DRIGGS, IDAHO  
IRRIGATION PLAN- AREA TWO

PROJECT: 21018 BLD #22048

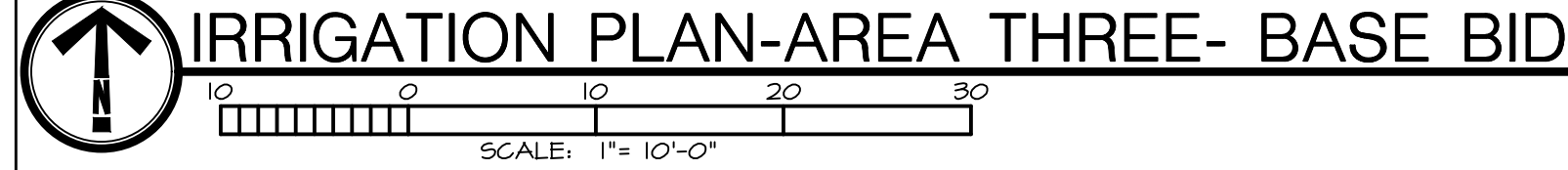
REVISIONS  
1 RE-ISSUED 6/13/23

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DATE: JUNE 6, 2023  
DRAWN BY: EB/CP  
CHECKED BY: JB

DRAWING NO.:

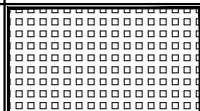
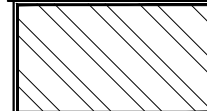
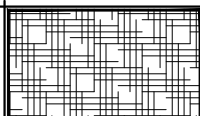
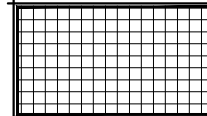
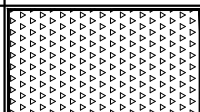
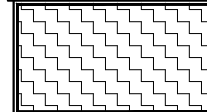
L2.2




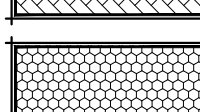


- ① CONNECT NEAR 1/2" MAINLINE TO NEW 1 1/2" IRRIGATION STUB BY CIVIL. IN THIS APPROXIMATE LOCATION, FIELD VERIFY EXISTING PIPE SIZE AND PROVIDE ALL FITTINGS AND MATERIALS AS REQUIRED TO TRANSITION INTO NEW MAINLINE.
- ② WALL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION. CONNECT 120 VOLT POWER AS REQUIRED. ALL ABOVE GROUND WIRES SHALL BE PLACED IN APPROPRIATE SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE IRRIGATION CONTROLLER OPERATIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL. SEE DETAIL.
- ③ PEDESTAL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION. CONNECT 120 VOLT POWER AS REQUIRED. ALL ABOVE GROUND WIRES SHALL BE PLACED IN APPROPRIATE SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE IRRIGATION CONTROLLER OPERATIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL. SEE DETAIL.
- ④ 2" NIRE SLEEVE. ROUTE TO CONTROLLER LOCATION PER LOCAL CODES AS REQUIRED. COORDINATE WITH ELECTRICAL.
- ⑤ INSTALL "HUNTER" ECO INDICATOR STAKE AT END OF DRIPZONE LINE TO ENSURE PROPER FUNCTIONALITY. SEE DETAIL 10A.25.

# POC 1

	NETAFIM -ZONE 1		NETAFIM -ZONE 4
	NETAFIM -ZONE 2		NETAFIM -ZONE 6
	NETAFIM -ZONE 3		NETAFIM -ZONE 11

# POC 2

	NETAFIM -ZONE 3
	NETAFIM -ZONE 7

NETAFIM  
-ZONE 2

DRIP MATERIAL

LEGEND POC 4

NETAFIM  
-ZONE 1

NUMBER	MODEL	SIZE	TYPE	GPM	PSI
1	Hunter IGV-G-FS	1"	Turf Spray	5.8	35.7
2	Hunter IGV-G-FS	1"	Turf Spray	14.23	34.5
3	Netatim LVCZS80100T5-LF	1"	Area for Drinpline	2.16	35.5
4	Hunter IGV-G-FS	1"	Turf Spray	11.41	34.0
5	Hunter IGV-G-FS	1"	Turf Rotor	10.4	40.0
6	Hunter IGV-G-FS	1"	Turf Rotor	10.4	34.0
7	Netatim LVCZS80100T5-LF	1"	Area for Drinpline	0.66	35.0
8	Hunter IGV-G-FS	1"	Turf Rotor	10.4	34.0

NUMBER	MODEL	SIZE	TYPE	GPM	PSI
1	Hunter IGV-G-F5	1"	Turf Spray	10.38	34.6
2	Natrion LVC755000T5-LF	1"	Area for Driveline	2.16	35.5
3	Hunter IGV-G-F5	1"	Turf Spray	11.41	34.0
4	Hunter IGV-G-F5	1"	Turf Rotor	10.4	34.1
5	Hunter IGV-G-F5	1"	Turf Rotor	9.90	34.0
6	Hunter IGV-G-F5	1"	Turf Spray	10.4	34.1
7	Hunter IGV-G-F5	1"	Turf Spray	9.95	34.5
8	Hunter IGV-G-F5	1"	Turf Spray	10.4	34.1
9	Hunter IGV-G-F5	1"	Turf Spray	16.73	34.7

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	<b>Hunter PRC05-04-PRS30-CV short radius nozzles</b> Turf Spray, 30 psi regulated 4" Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
	<b>Hunter PRC05-04-PRS30-CV</b> Turf Spray, 30 psi regulated 4" Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
	<b>Hunter PRC05-04-PRS30-CV adjustable arc</b> Turf Spray, 30 psi regulated 4" Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	<b>Hunter I-20-04-MPR 30</b> Turf Rotor, 4" Pop-Up, Adjustable and Full Circle. Plastic Riser. Drain Check Valve. MPR Nozzle. See detail 7/L2.6.
	<b>Hunter I-20-04-FRB</b> Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle. Pressure Regulating Body. Nozzle size as indicated on plans. See detail 7/L2.6.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	<b>Netatm LVC7200T5-HFHP</b> Pre-Assembled Control Zone Kit, with 1" Series 80 Control Valve, 3/4" Disc Filter, and High Flow Pressure Regulator 4.5GPM to 17.6GPM. See detail 2/L2.6.
	<b>Netatm LVC72500100T5-LF</b> Pre-Assembled Control Zone Kit, with 1" Series 80 Control Valve, 3/4" Disc Filter, and Low Flow Pressure Regulator 0.25GPM to 4.4GPM. See detail 3/L2.6.
<div style="border: 1px solid black; padding: 10px; text-align: center;"> REFER TO DRIP MATERIAL LEGEND </div>	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	<b>Hunter ICV-G-F5</b> 1"-1/2" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. With Filter Sentry.
	<b>Hunter HQ-5LRC</b> Quick coupler valve, yellow locking rubber cover, red brass and stainless steel, with 1" NPT Inlet, 1-piece body. See detail 8/L2.5.
	<b>Mueller Brass Valve</b> or approved equal. Threaded. See detail 5/L2.5.
	<b>Hunter ICV-G-1/2"</b> 1"-1/2", 2", and 3" Plastic Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. See detail 4/L2.6.
	<b>Watts V009 1-1/2"</b> Reduced Pressure Backflow Preventer. See detail 1/L2.5.
	<b>Hunter HCC-1600-MICC-PED</b> 16 Station Outdoor Wi-Fi enabled, full-functioning controller with touchscreen & one ICM-800 Module, Commercial Use. Metal Pedestal. See detail 2/L2.5.
	<b>Hunter HCC-1200</b> Light Commercial & Residential Controller, 12-Station fixed controller, 120 VAC, Outdoor model. See detail 4/L2.5.
	<b>Hunter MWS-FR</b> Weather Station with rain sensor, wind sensor and freeze sensor, 120 VAC, 5 amp. 5 year warranty. See detail 3/L2.5.
	<b>Hunter HFS-200</b> Flow Sensor for use with ACC controller, 2" Schedule 40 Sensor Body, 24 VAC, 2 amp. See detail 5/L2.6.
	<b>Cap for future use</b>
	<b>POC1</b> Point of Connection 1 1/2"
	<b>POC2</b> Point of Connection 1 1/2"
	<b>POC3</b> Point of Connection 1 1/2"
	<b>POC4</b> Point of Connection 1 1/2"
	<b>Irrigation Lateral Line: PVC Schedule 40</b> Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4".
	<b>1-1/2" Irrigation Mainline: PVC Schedule 40 (Solvent Weld)</b>
	<b>Pipe Sleeve: PVC Schedule 40</b>
	<b>Schedule 40 PVC</b> for electrical control wires, size as indicated on plans. coordinate with electrical.
	<b>Netafim Combination Tee.</b> See detail 4/L2.5.



ISP-ITD MANUFACTURED HOUSING UNIT  
DRIGGS, IDAHO

# FACTOIDS

IRRIGATION PLAN- AREA THREE

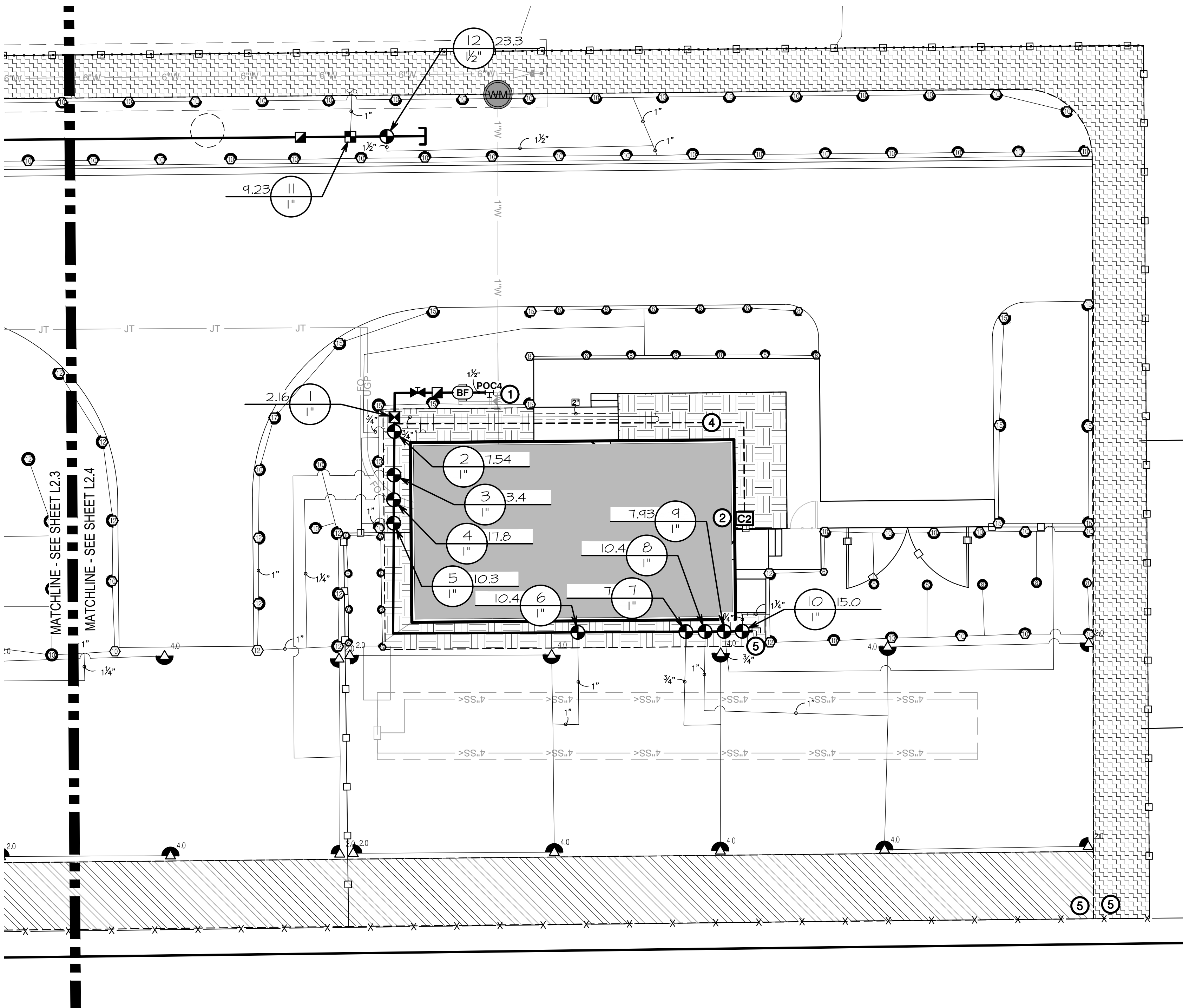
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	RE-ISSUED 6/13/23

PROJECT NO.:  
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JUNE 6, 2023  
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B/CP  
CHECKED BY:  
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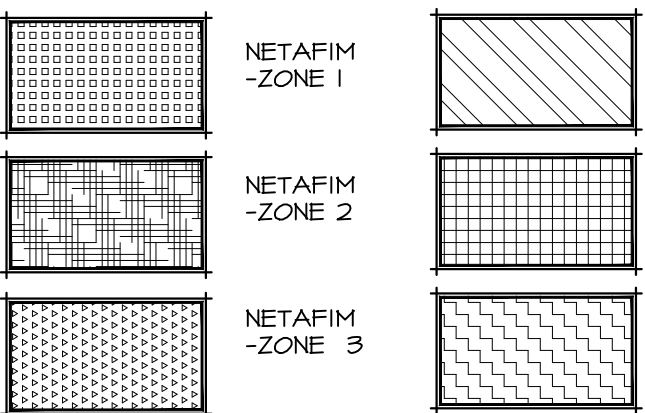
## 2.3



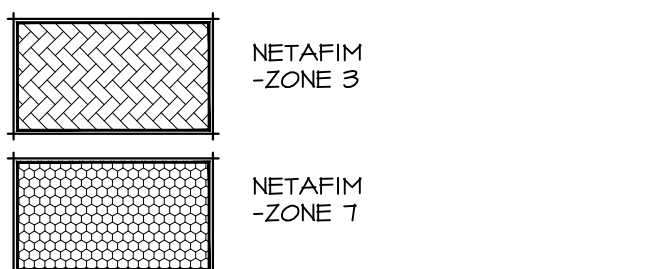


## IRRIGATION PLAN- AREA FOUR- BASE BID

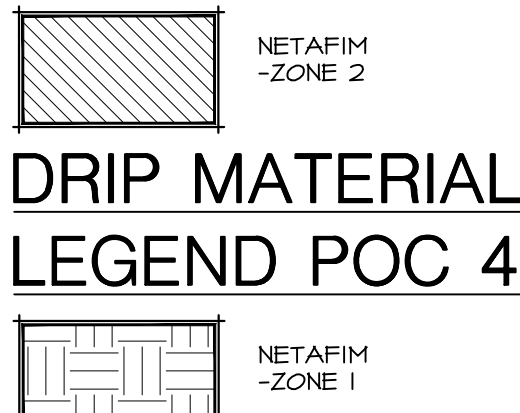
### DRIP MATERIAL LEGEND POC 1



### DRIP MATERIAL LEGEND POC 2



### DRIP MATERIAL LEGEND POC 3



### DRIP MATERIAL LEGEND POC 4



### VALVE SCHEDULE - POC 3

NUMBER	MODEL	SIZE	TYPE	GPM	PSI
1	Hunter IGV-G-F5	1"	Turf Spray	10.38	34.6
2	Netafim LVCZ580100T5-LF	1"	Area for Dripline	2.16	35.5
3	Hunter IGV-G-F5	1"	Turf Spray	11.41	34.0
4	Hunter IGV-G-F5	1"	Turf Rotor	10.4	34.4
5	Hunter IGV-G-F5	1"	Turf Rotor	7	34.0
6	Hunter IGV-G-F5	1"	Turf Rotor	10.4	34.1
7	Hunter IGV-G-F5	1"	Turf Spray	9.45	34.5
8	Hunter IGV-G-F5	1"	Turf Rotor	10.4	34.7
9	Hunter IGV-G-F5	1"	Turf Spray	16.73	34.7

### VALVE SCHEDULE - POC 4

NUMBER	MODEL	SIZE	TYPE	GPM	PSI
1	Netafim LVCZ580100T5-LF	1"	Area for Dripline	2.16	35.4
2	Hunter IGV-G-F5	1"	Turf Spray	7.54	36.1
3	Hunter IGV-G-F5	1"	Turf Rotor	3.4	38.2
4	Hunter IGV-G-F5	1"	Turf Spray	17.82	35.5
5	Hunter IGV-G-F5	1"	Turf Spray	10.25	34.1
6	Hunter IGV-G-F5	1"	Turf Rotor	10.4	34.2
7	Hunter IGV-G-F5	1"	Turf Rotor	7	38.9
8	Hunter IGV-G-F5	1"	Turf Rotor	10.4	34.9
9	Hunter IGV-G-F5	1"	Turf Spray	7.93	37.7
10	Hunter IGV-G-F5	1"	Turf Spray	15.0	34.7

### CALLOUT LEGEND

- CONNECT NEW 1/2" MAINLINE TO NEW 1/2" IRRIGATION STUB BY CIVIL IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING PIPE SIZE AND PROVIDE ALL FITTINGS AND MATERIALS AS REQUIRED TO TRANSITION INTO NEW MAINLINE.
- WALL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION. CONNECT 120 VOLT POWER AS REQUIRED. ALL ABOVE GRADE WIRES SHALL BE PLACED IN APPROPRIATE SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE ALL CONTROLLER OPERATIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL. SEE DETAIL.
- PEDESTAL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION. CONNECT 120 VOLT POWER AS REQUIRED. ALL ABOVE GRADE WIRES SHALL BE PLACED IN APPROPRIATE SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE ALL CONTROLLER OPERATIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL. SEE DETAIL.
- 2" WIRE SLEEVE. ROUTE TO CONTROLLER LOCATION PER LOCAL CODES AS REQUIRED. COORDINATE WITH ELECTRICAL.
- INSTALL 'HUNTER' ECO INDICATOR STAKE AT END OF DRIPZONE LINE TO ENSURE PROPER FUNCTIONALITY, SEE DETAIL 10/L2.5.

### PRESSURE ANALYSIS

Generated: 2023-05-31 15:10

P.O.C. NUMBER: 01  
Water Source Information:

FLOW AVAILABLE  
Point of Connection Size: 1 1/2"  
Flow Available: 46.54 GPM

PRESSURE AVAILABLE  
Static Pressure at POC: 60 PSI  
Pressure Available: 60 PSI

DESIGN ANALYSIS  
Maximum Station Flow: 23.3 GPM  
Flow Available at POC: 46.54 GPM  
Residual Flow Available: 23.24 GPM

Critical Station:  
Design Pressure: 4  
Friction Loss: 30 PSI  
Fittings Loss: 1.43 PSI  
Elevation Loss: 0.15 PSI  
Loss through Valve: 0 PSI  
Pressure Req. at Critical Station: 14.7 PSI  
Loss for Fittings: 46.3 PSI  
Loss for Main Line: 0.01 PSI  
Loss for POC to Valve Elevation: 0.14 PSI  
Loss for Backflow: 0 PSI  
Loss for Master Valve: 12.1 PSI  
Critical Station Pressure at POC: 1.5 PSI  
Pressure Available: 60.0 PSI  
Residual Pressure Available: 0.03 PSI

P.O.C. NUMBER: 02  
Water Source Information:

FLOW AVAILABLE  
Point of Connection Size: 1 1/2"  
Flow Available: 46.54 GPM

PRESSURE AVAILABLE  
Static Pressure at POC: 60 PSI  
Pressure Available: 60 PSI

DESIGN ANALYSIS  
Maximum Station Flow: 14.23 GPM  
Flow Available at POC: 46.54 GPM  
Residual Flow Available: 32.36 GPM

Critical Station:  
Design Pressure: 4  
Friction Loss: 35 PSI  
Fittings Loss: 1.8 PSI  
Elevation Loss: 0.18 PSI  
Loss through Valve: 0 PSI  
Pressure Req. at Critical Station: 3 PSI  
Loss for Fittings: 34.7 PSI  
Loss for Main Line: 0.03 PSI  
Loss for POC to Valve Elevation: 0.23 PSI  
Loss for Backflow: 0 PSI  
Loss for Master Valve: 11.6 PSI  
Critical Station Pressure at POC: 51.7 PSI  
Pressure Available: 60 PSI  
Residual Pressure Available: 8.31 PSI

P.O.C. NUMBER: 03  
Water Source Information:

FLOW AVAILABLE  
Point of Connection Size: 1 1/2"  
Flow Available: 46.54 GPM

PRESSURE AVAILABLE  
Static Pressure at POC: 60 PSI  
Pressure Available: 60 PSI

DESIGN ANALYSIS  
Maximum Station Flow: 16.73 GPM  
Flow Available at POC: 46.54 GPM  
Residual Flow Available: 29.86 GPM

Critical Station:  
Design Pressure: 8  
Friction Loss: 35 PSI  
Fittings Loss: 1.57 PSI  
Elevation Loss: 0.16 PSI  
Loss through Valve: 0 PSI  
Pressure Req. at Critical Station: 3 PSI  
Loss for Fittings: 34.7 PSI  
Loss for Main Line: 0.03 PSI  
Loss for POC to Valve Elevation: 0.23 PSI  
Loss for Backflow: 0 PSI  
Loss for Master Valve: 11.6 PSI  
Critical Station Pressure at POC: 51.6 PSI  
Pressure Available: 60 PSI  
Residual Pressure Available: 8.38 PSI

P.O.C. NUMBER: 04  
Water Source Information:

FLOW AVAILABLE  
Point of Connection Size: 1 1/2"  
Flow Available: 46.54 GPM

PRESSURE AVAILABLE  
Static Pressure at POC: 60 PSI  
Pressure Available: 60 PSI

DESIGN ANALYSIS  
Maximum Station Flow: 17.82 GPM  
Flow Available at POC: 46.54 GPM  
Residual Flow Available: 28.71 GPM

Critical Station:  
Design Pressure: 8  
Friction Loss: 35 PSI  
Fittings Loss: 1.7 PSI  
Elevation Loss: 0.17 PSI  
Loss through Valve: 0 PSI  
Pressure Req. at Critical Station: 3 PSI  
Loss for Fittings: 34.9 PSI  
Loss for Main Line: 0.03 PSI  
Loss for POC to Valve Elevation: 0.23 PSI  
Loss for Backflow: 0 PSI  
Loss for Master Valve: 11.6 PSI  
Critical Station Pressure at POC: 51.8 PSI  
Pressure Available: 60 PSI  
Residual Pressure Available: 8.22 PSI

### IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PRO5-04-PR530-CV short radius nozzles Turf Spray, 30 psi regulated 4" Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
	Hunter PRO5-04-PR530-CV 4" Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
	Hunter PRO5-04-PR530-CV adjustable arc Turf Spray, 30 psi regulated 4" Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. Nozzle size as indicated on plans. See detail 6/L2.5.
	Hunter I-20-04-MFR 30 Turf Rotor, 4" Pop-Up. Adjustable and Full Circle. Plastic Riser. Drain Check Valve. MFR Nozzle. See detail 7/L2.6.
	Hunter I-20-04-PRB Turf Rotor, 4in. Pop-Up. Adjustable and Full Circle. Plastic Riser. Drain Check Valve. Standard Nozzle. Pressure Regulating Body. Nozzle size as indicated on plans. See detail 7/L2.6.
	Netafim LVCZ100T5-HFHP Pre-Assembled Control Zone Kit, with 1" Series 80 Control Valve, 3/4" Disc Filter, and High Flow Pressure Regulator 4.5GPM to 11.6GPM. See detail 2/L2.6.
	Netafim LVCZ580100T5-LF Pre-Assembled Control Zone Kit, with 1" Series 80 Control Valve, 3/4" Disc Filter, and Low Flow Pressure Regulator 0.25GPM-4.4GPM. See detail 3/L2.6.
	Netafim TLCV-04-18 Area to Receive Dripline
	Techline Pressure Compensating Landscape Dripline with Check Valve. 0.4 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern, 11mm.
	Hunter H2-51-RC Quick coupler valve, yellow locking rubber cover, red brass and stainless steel, with 1" NPT inlet, 1-piece body. See detail 8/L2.5.
	Mueller' Brass Valve or approved equal. Threaded. See detail 5/L2.5.
	Hunter IGV-G 1-1/2" 1", 1-1/2", 2", and 3" Plastic Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. See detail 4/L2.6.
	Watts UOC4 1-1/2" Reduced Pressure Backflow Preventer. See detail 1/L2.5.
	Hunter HCC-1600-M/CC-PED 16 Station Outdoor Wi-Fi enabled, full-functioning controller with touchscreen & one ICH-800 Module. Commercial Use. Metal Pedestal. See detail 2/L2.5.
	Hunter PCC-1200 Light Commercial & Residential Controller, 12-Station fixed controller, 120 VAC, Outdoor model. See detail 4/L2.5.
	Hunter MHS-FR Weather Station with rain sensor, wind sensor and freeze sensor, 120 VAC, 5 amp. 5 year warranty. See detail 3/L2.5.
	Hunter HFS-200 Flow Sensor for use with ACC controller, 2" Schedule 40 Sensor Body, 24 VAC, 2 amp. See detail 5/L2.6.
	Cap for future use
	Point of Connection 1 1/2"
	Point of Connection 1 1/2"
	Point of Connection 1 1/2"
	Point of Connection 1 1/2"
	Irrigation Lateral Line: PVC Schedule 40 Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4".
	1-1/2" Irrigation Mainline: PVC Schedule 40 (Solvent Weld)
	Pipe Sleeve: PVC Schedule 40
	Schedule 40 PVC for electrical control wires, size as indicated on plans, coordinate with electrical.
	Netafim' Combination Tee. See detail 9/L2.5.



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DPW PROJECT NO. 21-513  
**ISP-ITD MANUFACTURED HOUSING UNIT**  
DRIGGS, IDAHO  
IRRIGATION PLAN- ARE FOUR

PROJECT: 21018 BLD #22048

REVISIONS  
1 RE-ISSUED 6/13/23

PROJECT NO.: 21018 BLD #22048  
DATE: JUNE 6, 2023  
DRAWN BY: EB/CP  
CHECKED BY: JB

DRAWING NO.:

L2.4

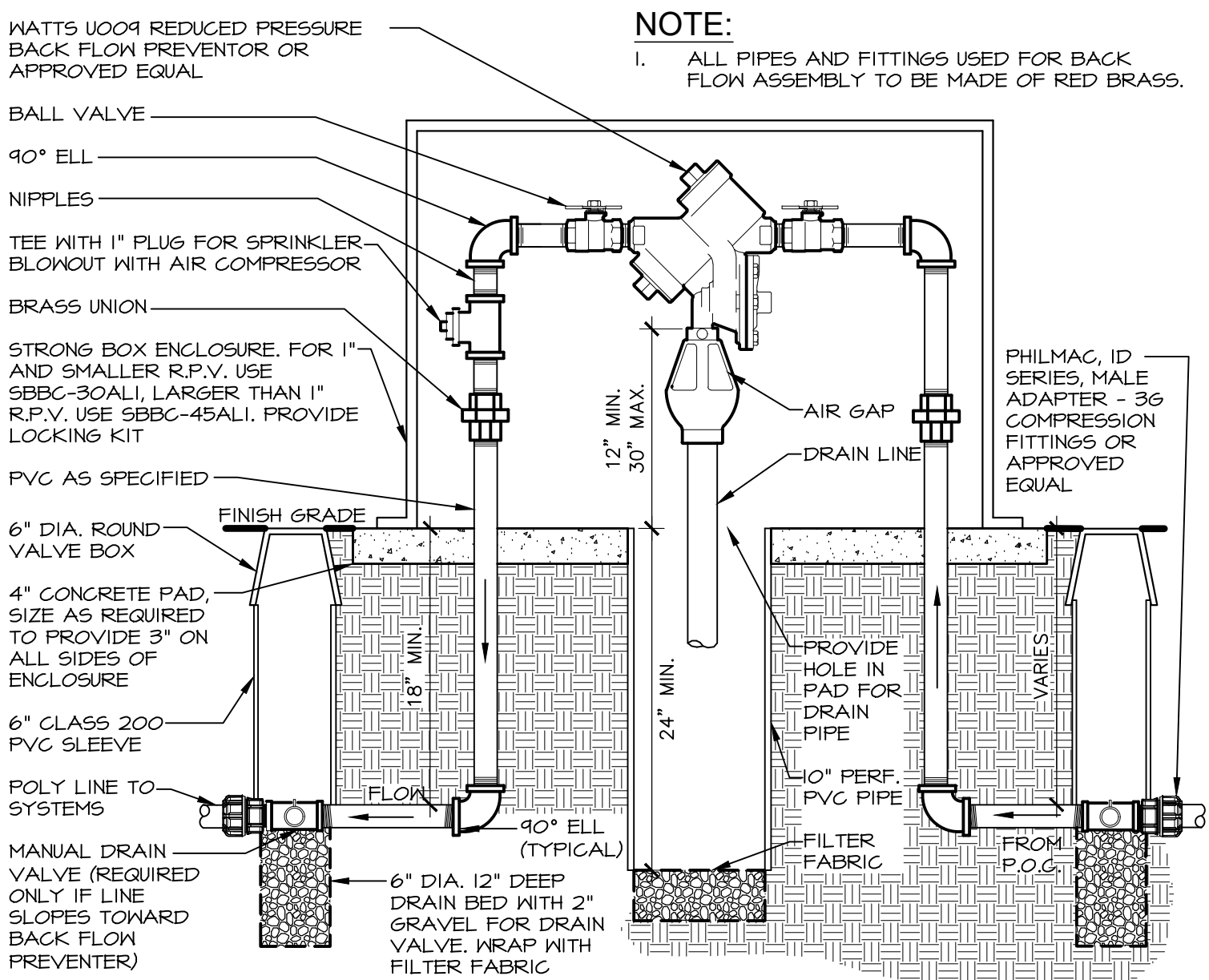


IRRIGATION NOTES

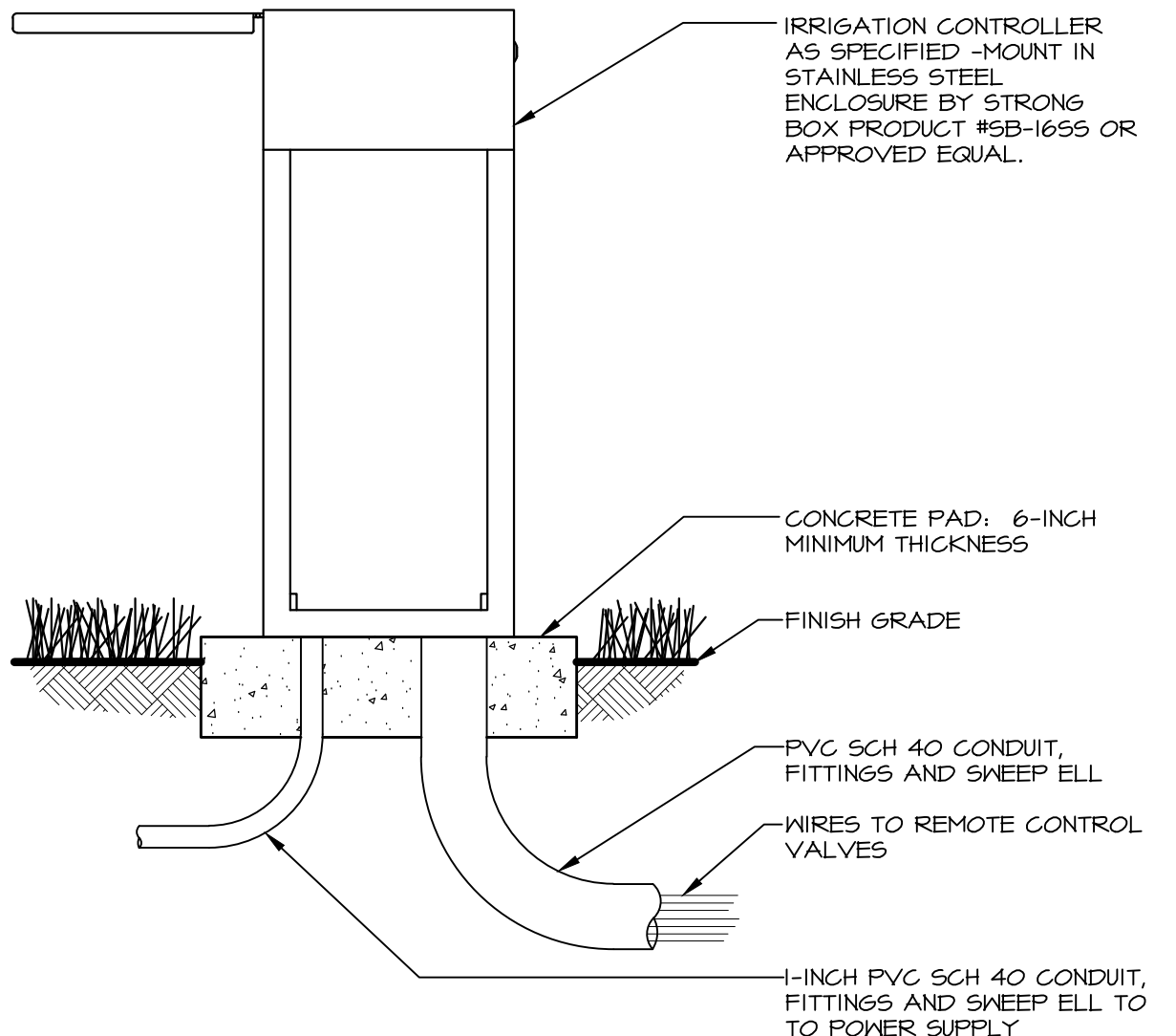
1. SYSTEM DESIGN BASED ON THE ASSUMPTION OF THE AVAILABILITY OF 25 G.P.M. WITH 60 P.S.I. AT THE SOURCE AND 40 PSI AT THE EMITTERS. FIELD VERIFY. IF THE SOURCE PRESSURE DOES NOT MEET THESE REQUIREMENTS CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY FOR CHANGE ORDER REQUIREMENTS.
2. ALL LATERAL LINES THAT ARE NOT LABELED SHALL BE 3/4" DIAMETER.
3. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INITIATION OF ANY DEMOLITION OR CONSTRUCTION OPERATIONS. ANY DAMAGE TO EXISTING UTILITIES SHALL BE CONTRACTOR'S RESPONSIBILITY.
4. COORDINATE ALL IRRIGATION INSTALLATION OPERATIONS WITH CIVIL, MECHANICAL, AND ELECTRICAL ENGINEERING SHEETS.
5. CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION CONDUIT AND SLEEVES UNDER HARD SURFACES WITH RELEVANT CONTRACTORS.
6. ALL SLEEVES SHALL BE INSTALLED AS PART OF IRRIGATION CONTRACT. APPROXIMATE LOCATION OF SLEEVES ARE SHOWN ON THE IRRIGATION PLAN. FIELD VERIFY LOCATION. ALL ENDS OF SLEEVES SHALL BE TAPED OR CAPPED AND MARKED WITH A 1/2" X 4" PAINTED STAKE EXTENDING TO 24" ABOVE GRADE. STAKES SHALL NOT BE REMOVED UNTIL THE IRRIGATION SYSTEM IS COMPLETE. ALL SLEEVES SHALL EXTEND A MINIMUM OF 18" BEYOND BACK OF CURB OR EDGE OF PAVEMENT. PROVIDE COMPACTED BACKFILL AS NECESSARY AT HARD SURFACE LOCATIONS.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK.
8. IRRIGATION CONTROLLER(S) ARE TO BE LOCATED AS SHOWN ON THE PLAN. CONTROLLERS SHALL BE WIRED TO POWER SUPPLY BY A LICENSED ELECTRICIAN PER LOCAL CODES. IRRIGATION CONTRACTOR TO PROVIDE ALL REQUIRED CONNECTIONS TO 24 VOLT IRRIGATION CONTROL WIRE INSIDE THE BUILDING THROUGH APPROPRIATE SIZED CONDUIT.
9. ALL ELECTRICAL WORK TO MEET OR EXCEED N.E.C., STATE CODES, LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
10. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ROCK AND DEBRIS BROUGHT TO THE SURFACE AS A RESULT OF TRENCHING OPERATIONS.
11. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
12. ALL 24 VOLT POWER WIRES SHALL BE #14 AWG COPPER. ALL ABOVE GROUND 120 VOLT AND 24 VOLT WIRE SHALL BE IN PVC CONDUIT. ONE POWER WIRE SHALL BE PROVIDED BACK TO THE CONTROLLER FOR EACH VALVE. ALL COMMON WIRES SHALL BE #12 AWG COPPER. ALL 24 VOLT WIRES SHALL BE TAPED TOGETHER AT TEN FOOT (10'-0") INTERVALS.
13. INSTALLATION SHALL COMPLY WITH ALL NATIONAL, STATE, AND LOCAL LAWS AND ORDINANCES.
14. IRRIGATION CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT DRAWING IN PDF FORMAT UPON COMPLETION OF INSTALLATION AND PRIOR TO FINAL PAYMENT.
15. THE ENTIRE SYSTEM SHALL BE GUARANTEED TO BE COMPLETE AND PERFECT IN EVERY DETAIL FOR A PERIOD OF ONE YEAR FROM THE DATE OF ITS ACCEPTANCE. REPAIR OR REPLACEMENT OF ANY DEFECTS OCCURRING WITHIN THE ONE YEAR SHALL BE FREE OF EXPENSE TO THE OWNER.
16. AS PART OF THIS CONTRACT, PERFORM AT NO EXTRA COST WINTERIZATION AND SPRING START UP OF THE SYSTEM DURING THE GUARANTEE PERIOD (ONE YEAR).
17. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF THE QUALITY AND PERFORMANCE SPECIFIED, AND SHALL MEET THE REQUIREMENTS OF THIS SYSTEM. USE MATERIALS AS SPECIFIED, NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN PERMISSION OF THE OWNER OR LANDSCAPE ARCHITECT.
18. IRRIGATION CONTRACTOR SHALL MAKE NECESSARY MINOR FIELD ADJUSTMENTS TO PIPE, AND OTHER IRRIGATION EQUIPMENT LOCATIONS TO FIT THE AS-BUILT SITE. ADJUST HEAD AND PIPE LOCATIONS AS REQUIRED TO AVOID DAMAGING EXISTING TREE ROOTS. ADJUSTMENTS SHALL ENSURE HEAD TO HEAD COVERAGE AND NOT OVERSPRAY THE BUILDING OR OTHER ADJACENT AREAS.
19. IRRIGATION PIPING LAYOUT IS SCHEMATIC. WHERE LINES ARE SHOWN BELOW PAVEMENT ADJACENT TO LANDSCAPE AREAS, THEY SHALL BE LOCATED IN THE LANDSCAPE AREA UNLESS SHOWN WITH A SLEEVE SYMBOL.
20. BASE PLAN AND LOCATION OF EXISTING EQUIPMENT ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL BASE AND EXISTING IRRIGATION ELEMENTS AND CONDITIONS PRIOR TO CONSTRUCTION AND PROVIDE NECESSARY ADJUSTMENTS.
21. ALL MAIN LINE FITTINGS SHALL BE LEMCO DUCTILE IRON PUSH ON TYPE UNLESS NOTED FOR LATERAL SERVICE. (ON 3" OR LARGER ONLY).
22. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.
23. ALL MAIN LINE FITTINGS SHALL BE SCHEDULE 40 SOLVENT WELD TYPE UNLESS NOTED FOR LATERAL SERVICE.
24. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.

DRIP IRRIGATION NOTES

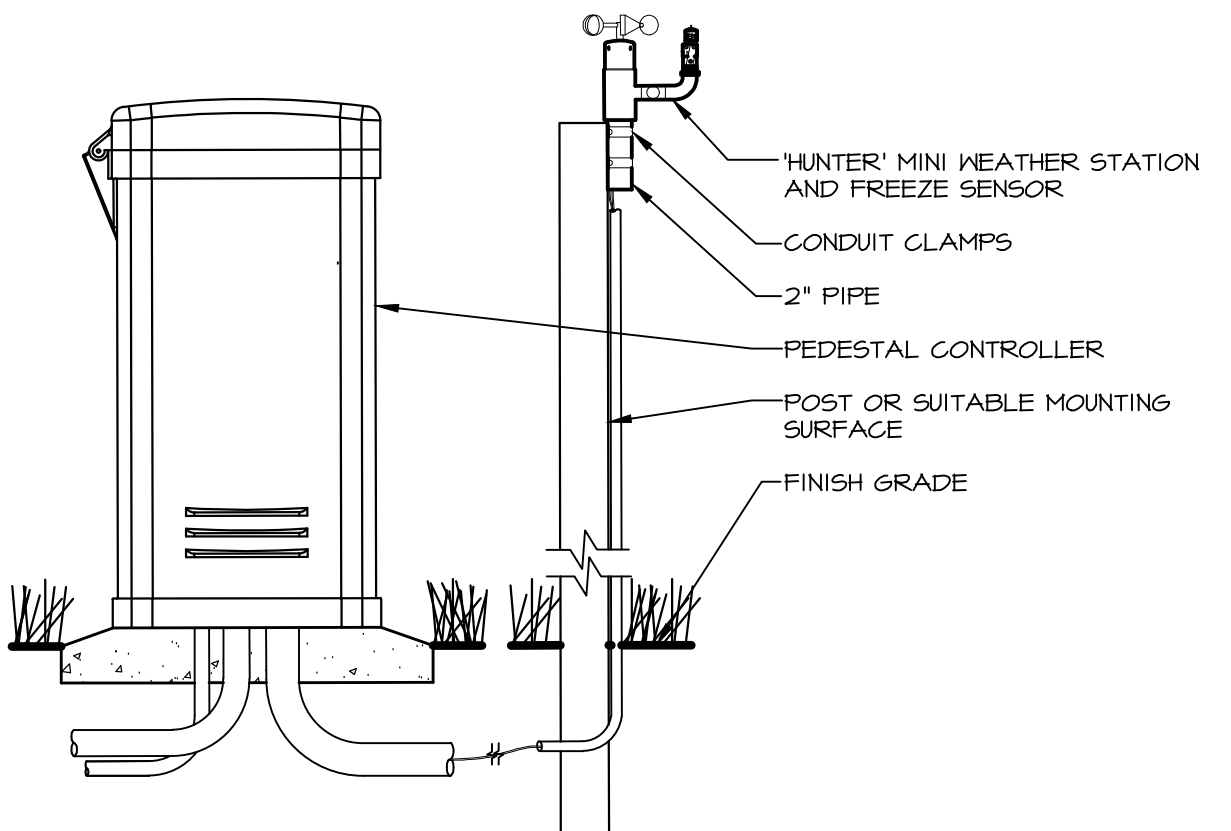
1. ALL PLANTER BEDS SHALL BE IRRIGATED WITH AN INLINE EMITTER DRIP LINE IRRIGATION SYSTEM, 'NETAFIM' TECHLINE CV OR APPROVED EQUAL. ALL TREES IN THE NOTED AREA ARE TO BE IRRIGATED AS PER DETAIL. THE CONTRACTOR IS RESPONSIBLE TO INSTALL THE DRIP SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS AND THE FOLLOWING REQUIREMENTS:
  - A. AN INLINE EMITTER DRIP LINE TUBING SHALL BE USED. THE EMITTER SPACING SHALL BE EIGHTEEN INCHES (18") AND THE EMITTER FLOWS ARE TO BE 40 G.P.H. LATERALS SHALL BE SPACED AT EIGHTEEN INCHES (18").
  - B. A MANUAL DISC FILTER SHALL BE INSTALLED ON EACH ZONE SEE LEGEND FOR MODEL NUMBER. THE FILTER SHALL BE AN ELECTRIC REMOTE CONTROL VALVE AS SPECIFIED (SIZE AS NOTED ON SCHEDULE). THE FILTER SHALL INCLUDE 120 MESH DISC FILTER RINGS. SEE DETAIL.
  - C. ALL ZONES SHALL BE INSTALLED WITH A MANUAL LINE FLUSHING VALVE. INSTALL WITH COLLAR. SEE DETAIL 11/L2.5.
  - D. ALL TUBING SHALL BE STAKED DOWN WITH T156 SIX INCH (6") SOIL STAPLES EVERY 3'-5" PLUS TWO ON EACH TEE, ELBOW OR CROSS.
2. THE CONTRACTOR IS RESPONSIBLE TO SCHEDULE A MEETING WITH THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH ANY IRRIGATION INSTALLATION IN ORDER TO REVIEW WORK TO BE DONE. NO CHANGES IN MATERIAL SPECIFIED OR TO THE DESIGN OF THE SYSTEM SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.
3. ALL PVC LATERAL LINES FROM VALVES TO HEADERS ARE TO BE BURIED AT MINIMUM DEPTH OF TWELVE INCHES (12"). SIZE AS NECESSARY. (SEE PIPE SIZING NOTES ON THIS SHEET).
4. AFTER INSTALLATION OF THE IRRIGATION SYSTEM THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE OWNER WITH AS-BUILT DRAWINGS AND INSTRUCTIONS FOR MAINTENANCE OF THE DRIP SYSTEM.
5. PROVIDE DRIP LINE TO ENSURE EACH SHRUB AND TREE RECEIVES ADEQUATE IRRIGATION SO THAT THE OPTIMUM AMOUNT OF WATER IS APPLIED TO ENSURE THE HEALTH OF ALL PLANT MATERIAL. BURY DRIP LINE AT 5" MIN. BELOW GRADE. SEE DETAIL 12/L2.5. LOCATE DRIP LINE TO OBTAIN COMPLETE COVERAGE OF PLANTER AREAS, SEE DETAILS 1/L2.6 AND 6/L2.6. REFER TO NOTES, SPECIFICATIONS, AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



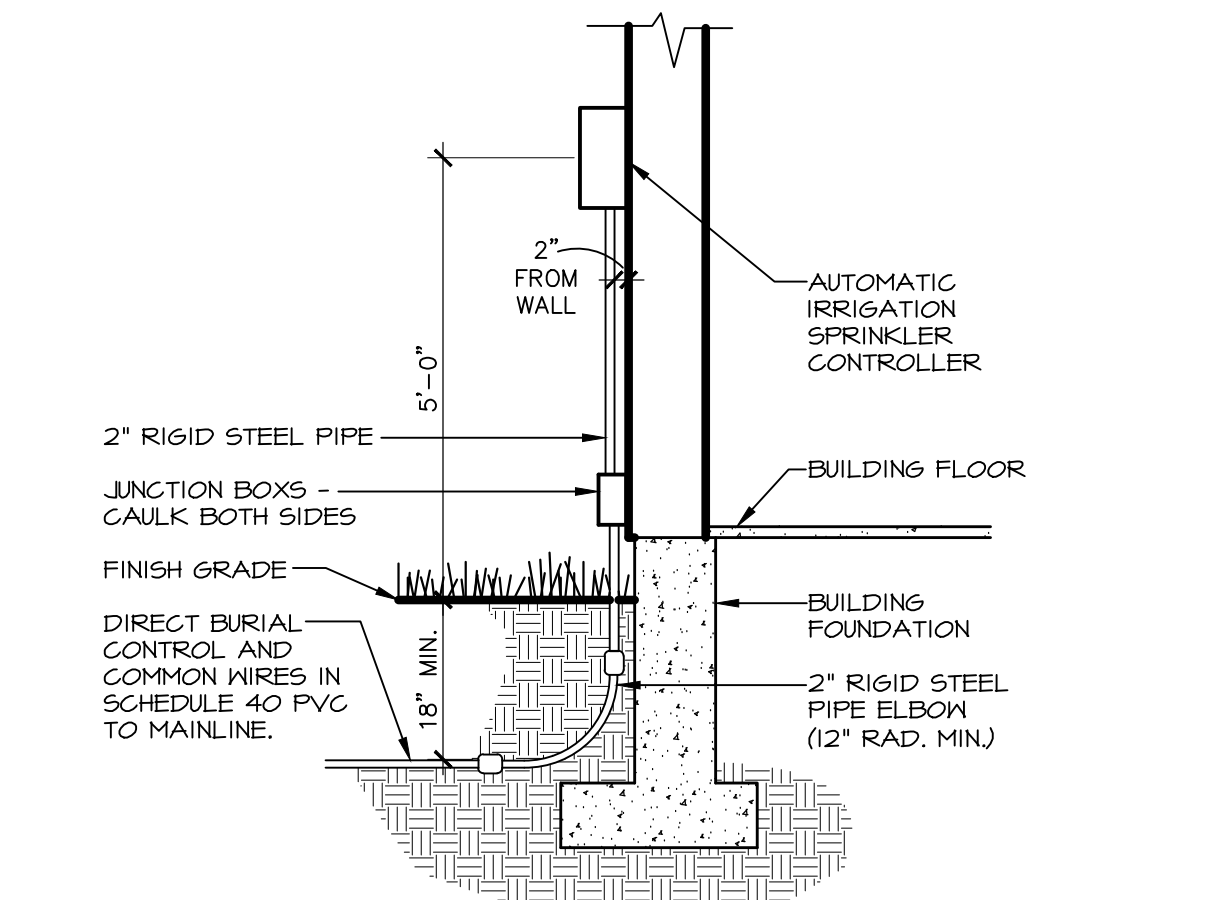
1 REDUCED PRESSURE BACK FLOW PREVENTER



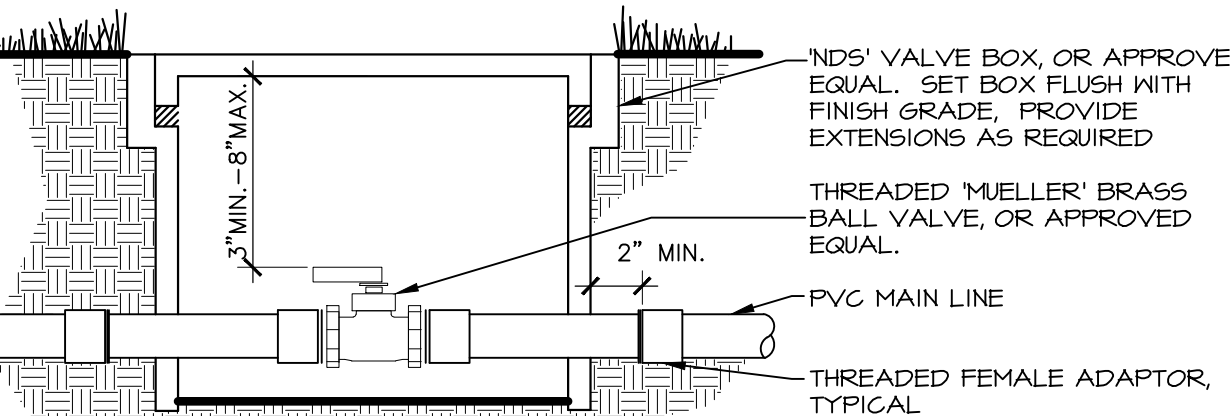
2 STAINLESS STEEL PEDESTAL CONTROLLER



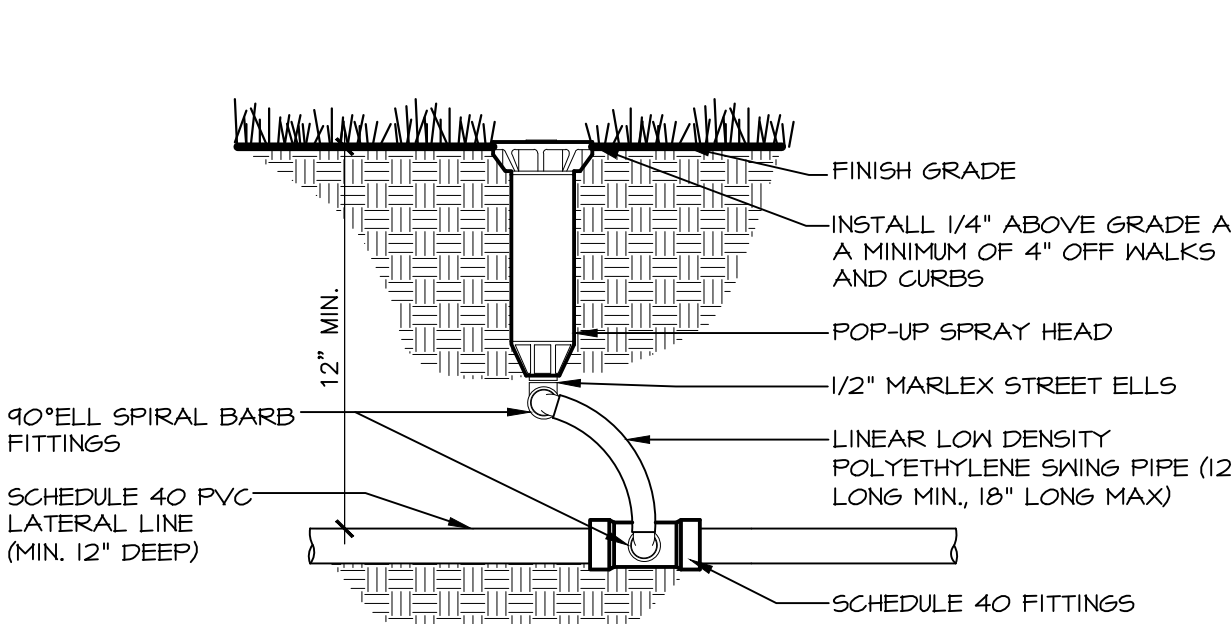
3 MINI WEATHER STATION WITH FREEZE CLIP



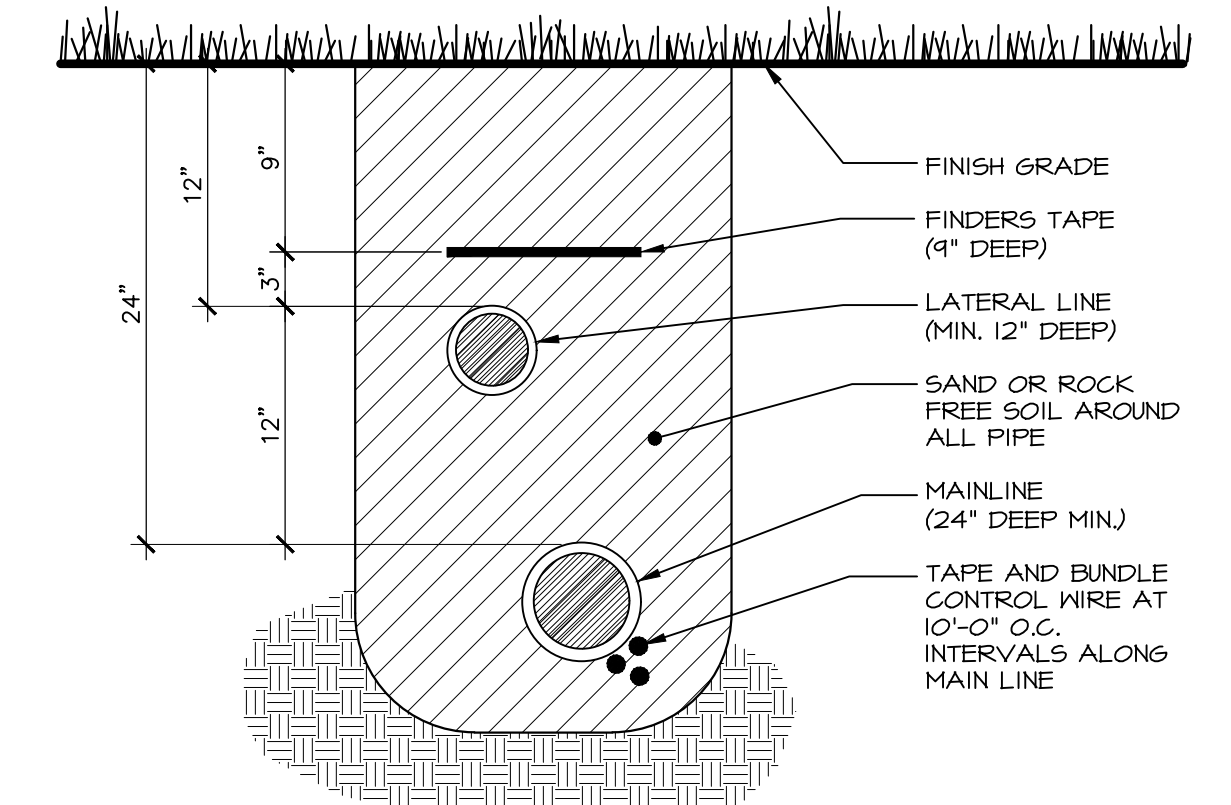
4 AUTOMATIC IRRIGATION CONTROLLER



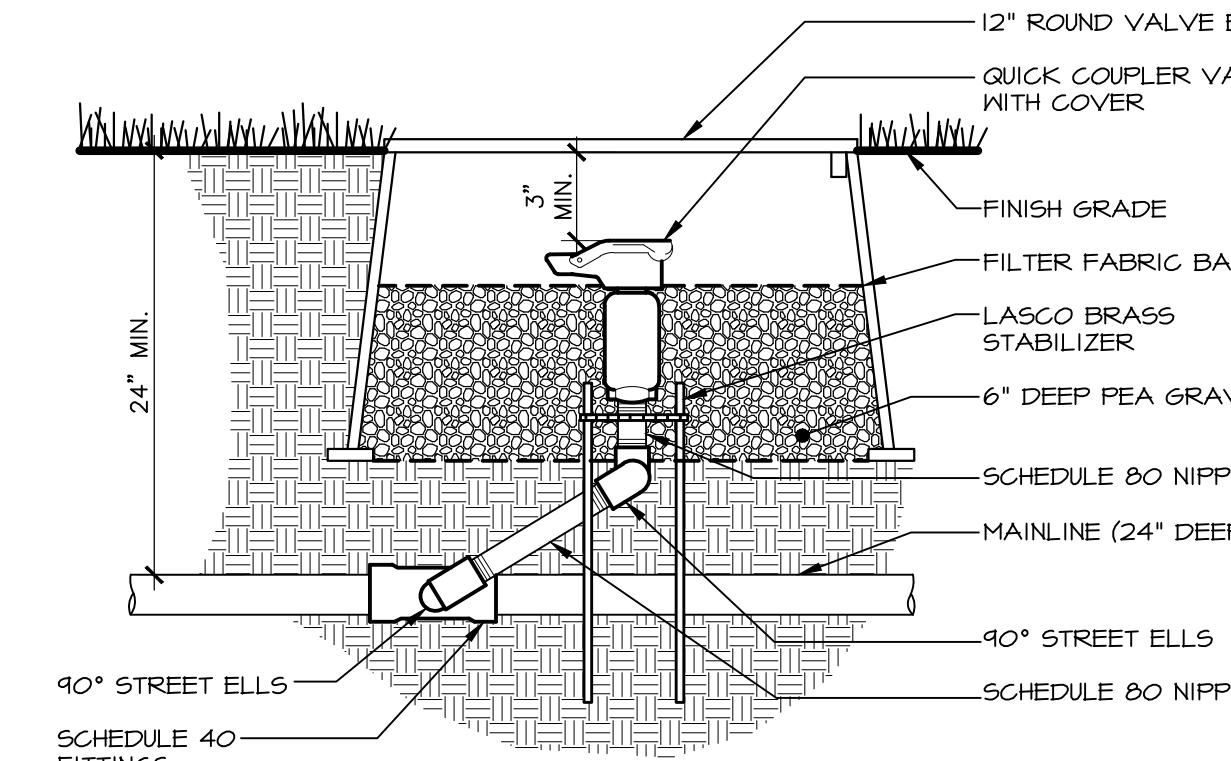
5 ISOLATION VALVE



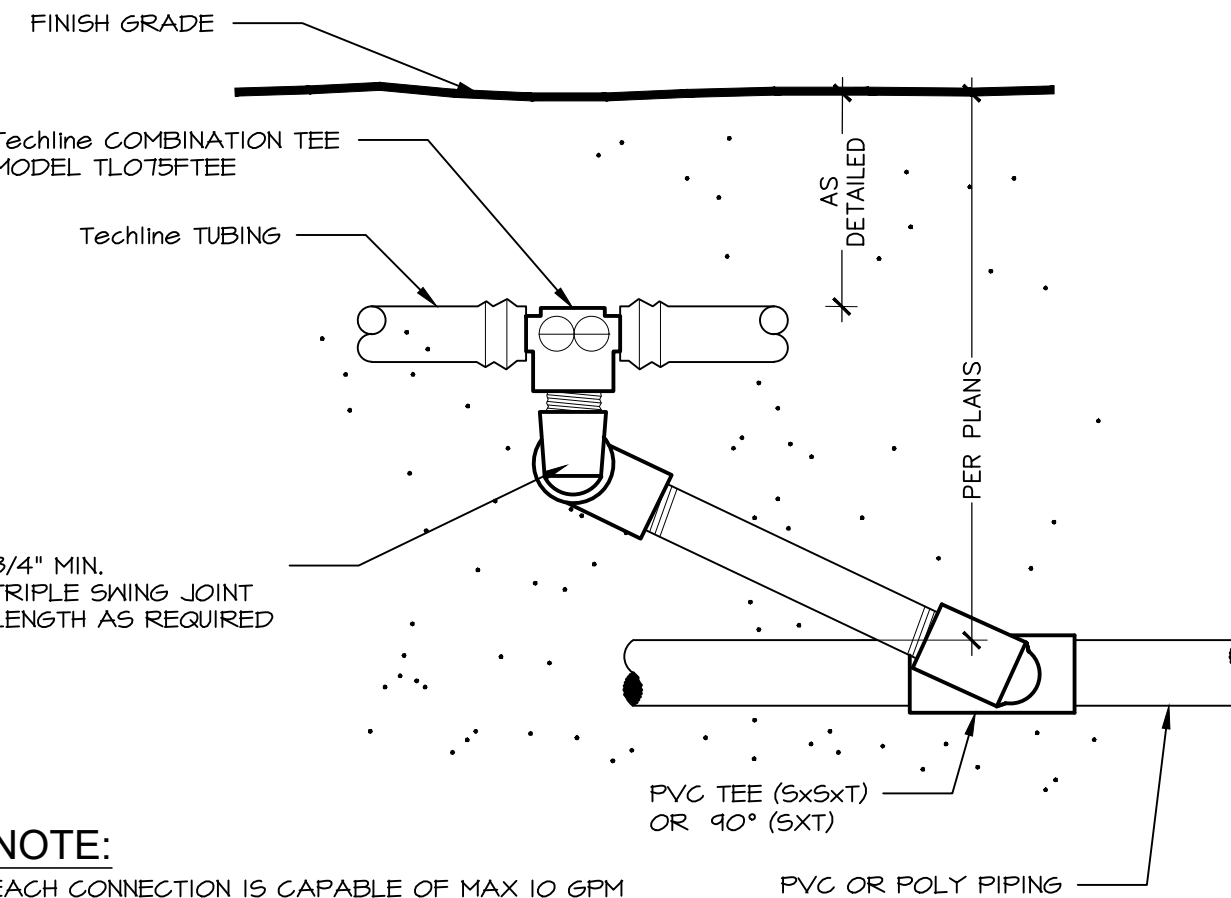
6 SPRAY HEAD POP-UP SPRINKLER



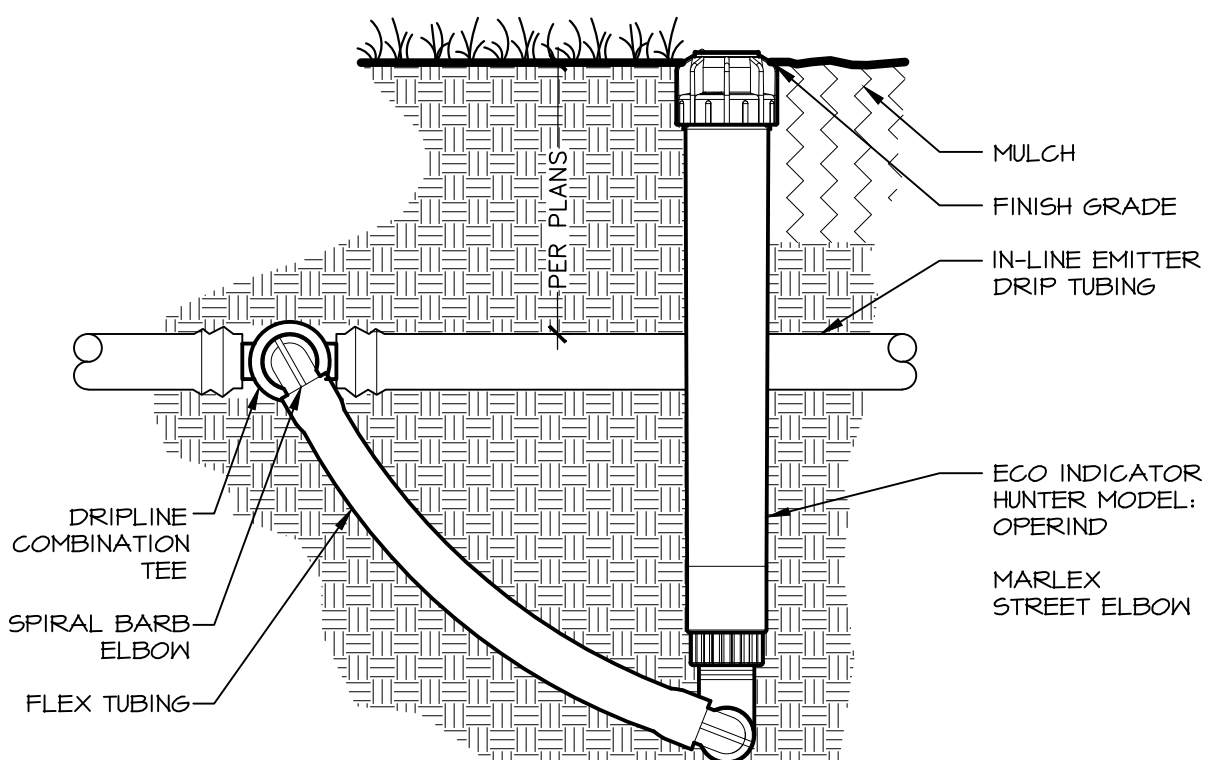
7 TRENCH SECTION



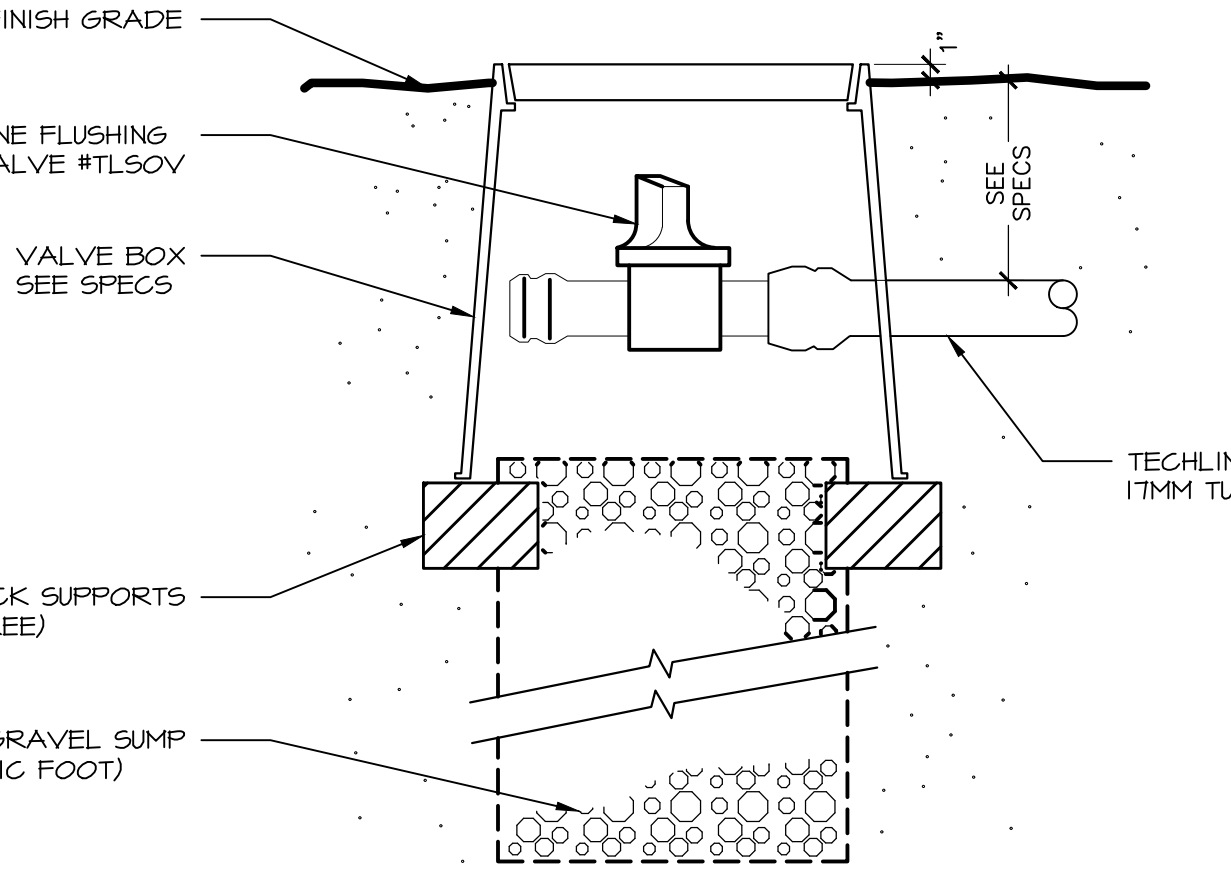
8 QUICK COUPLER VALVE



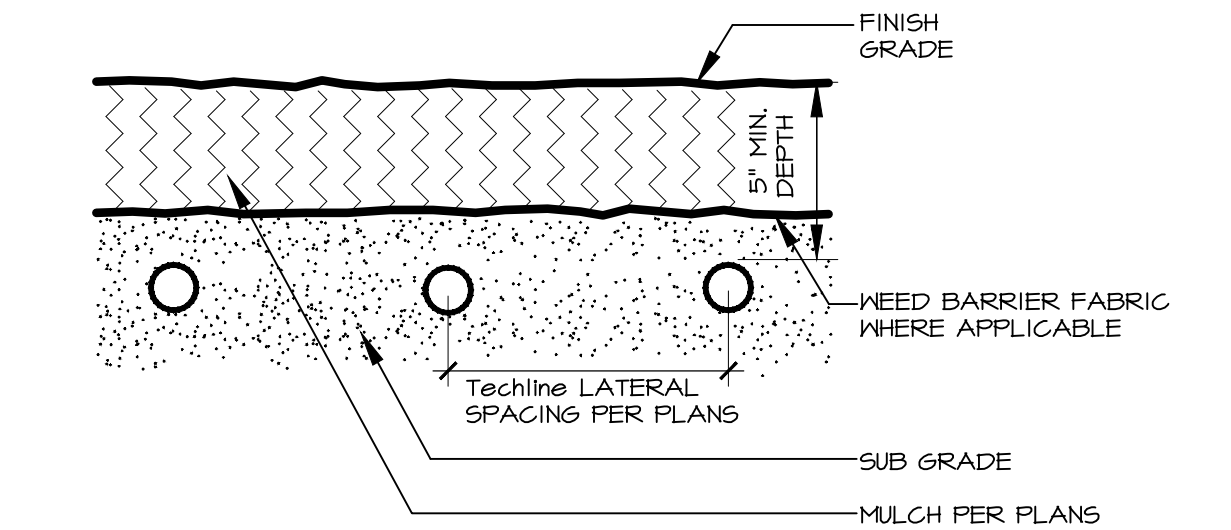
9 TECHLINE START CONNECTION



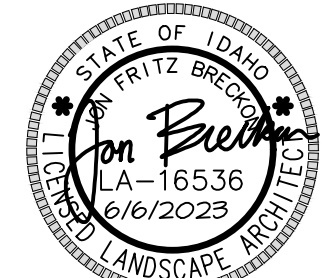
10 ECO INDICATOR



11 MANUAL LINE FLUSHING VALVE PLUMBED TO TUBING



12 TECHLINE SUBGRADE INSTALLATION



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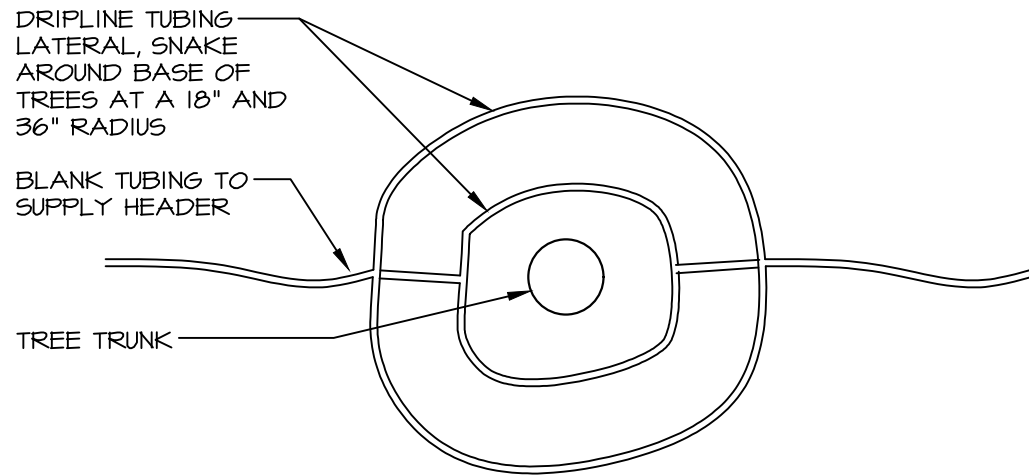
DPW PROJECT NO. 21-513  
**ISP-ITD MANUFACTURED HOUSING UNIT**  
DRIGGS, IDAHO  
PROJECT: 21018 BLD #22048  
DATE: JUNE 6, 2023  
DRAWN BY: EB/CP  
CHECKED BY: JB  
DRAWING NO.:  
SHEET TITLE: IRRIGATION DETAILS

REVISIONS	
1	RE-ISSUED 6/13/23

PROJECT NO.: 21018 BLD #22048  
DATE: JUNE 6, 2023  
DRAWN BY: EB/CP  
CHECKED BY: JB  
DRAWING NO.:

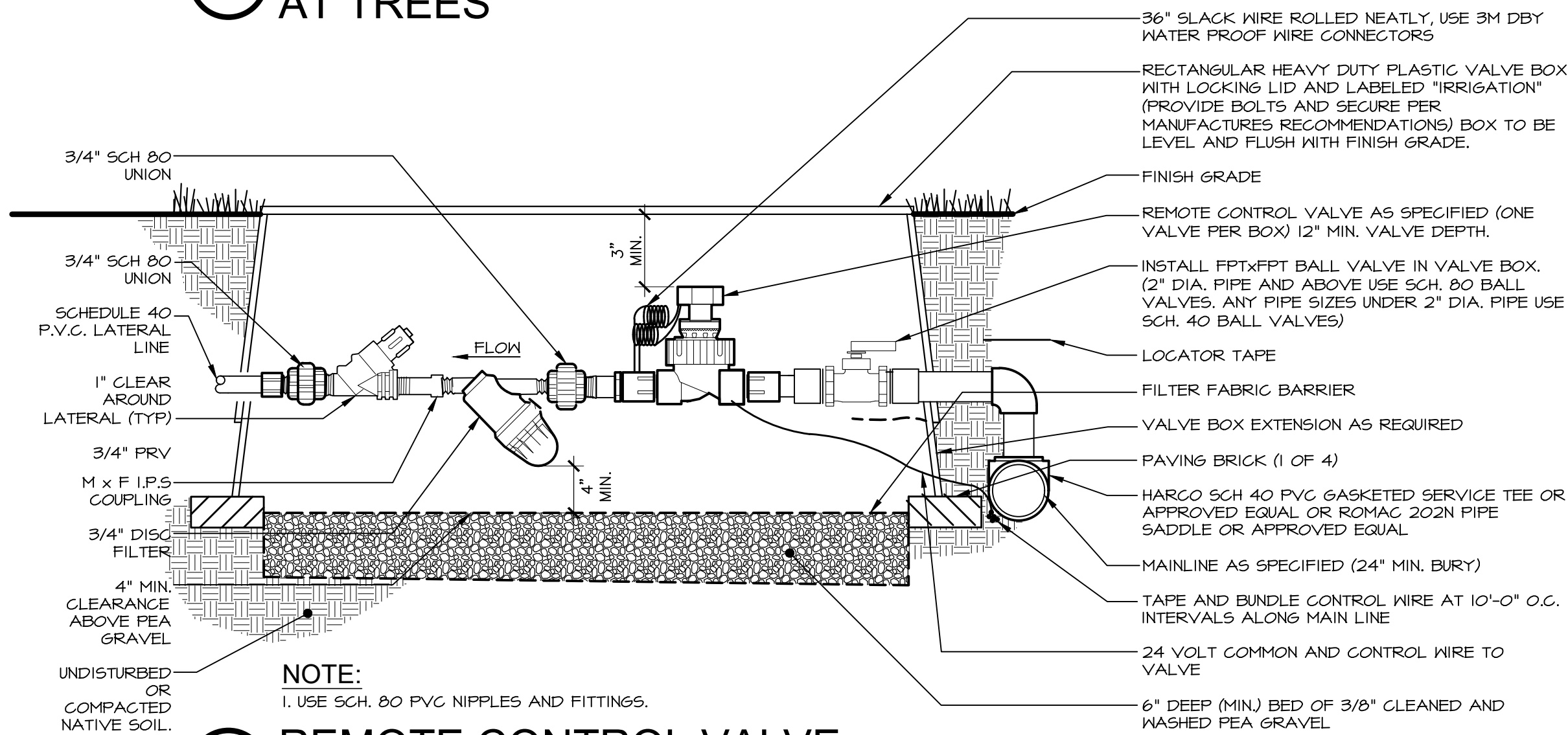
**L2.5**



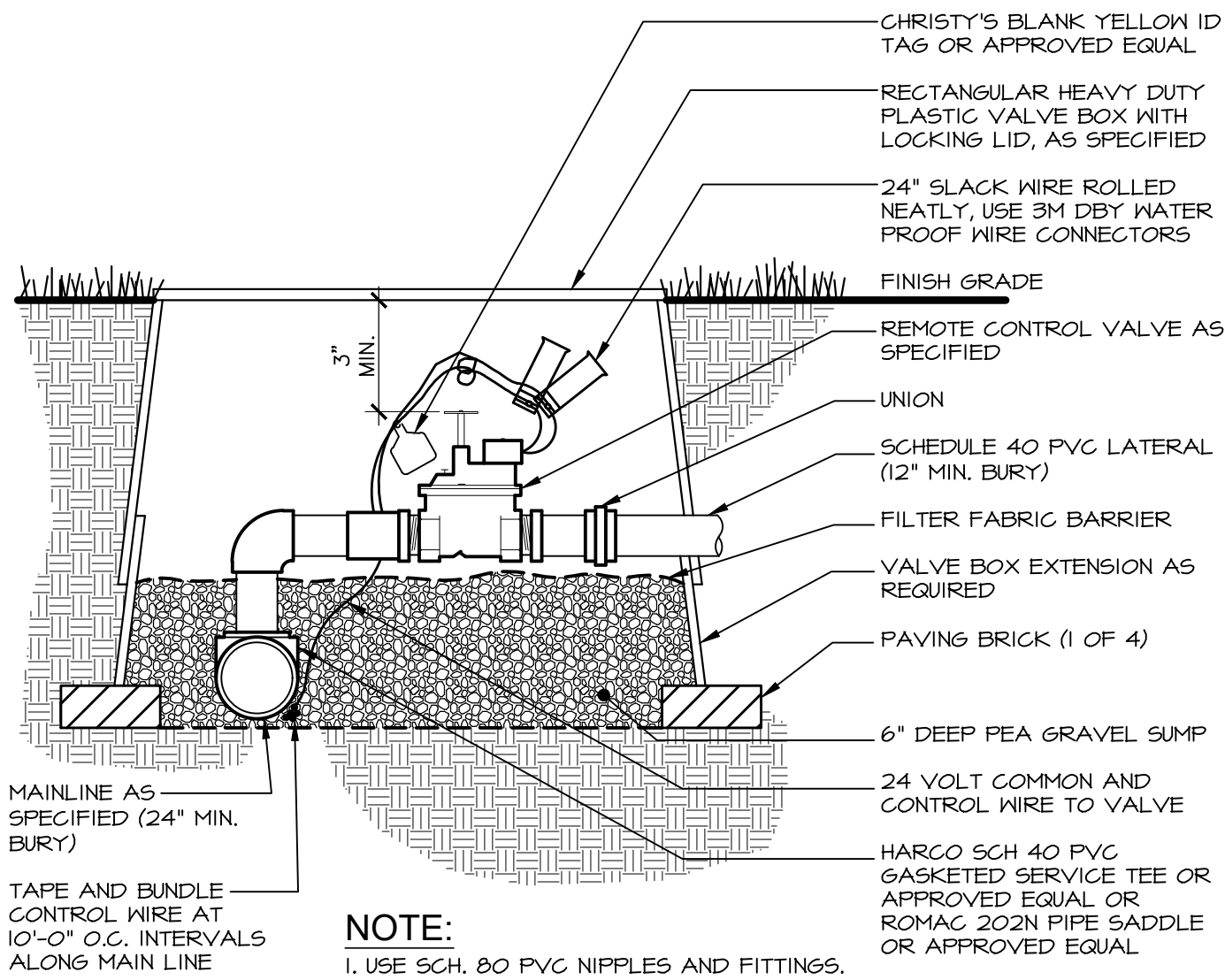


NOTE:  
1. TO BE USED AT ALL TREES PLANTED WITHIN AREA NOTED ON PLAN.

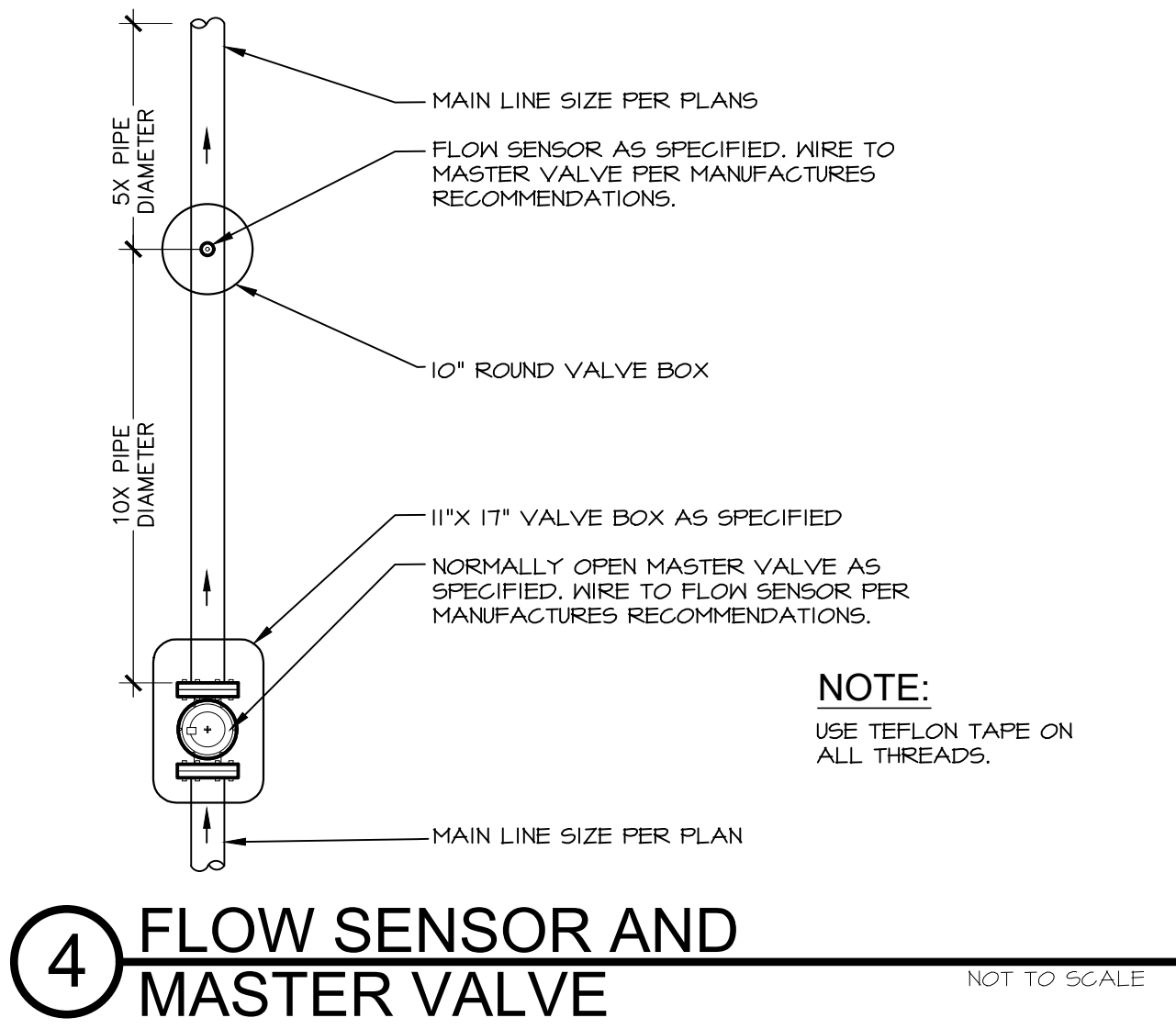
## 1 DRIPLINE LAYOUT AT TREES



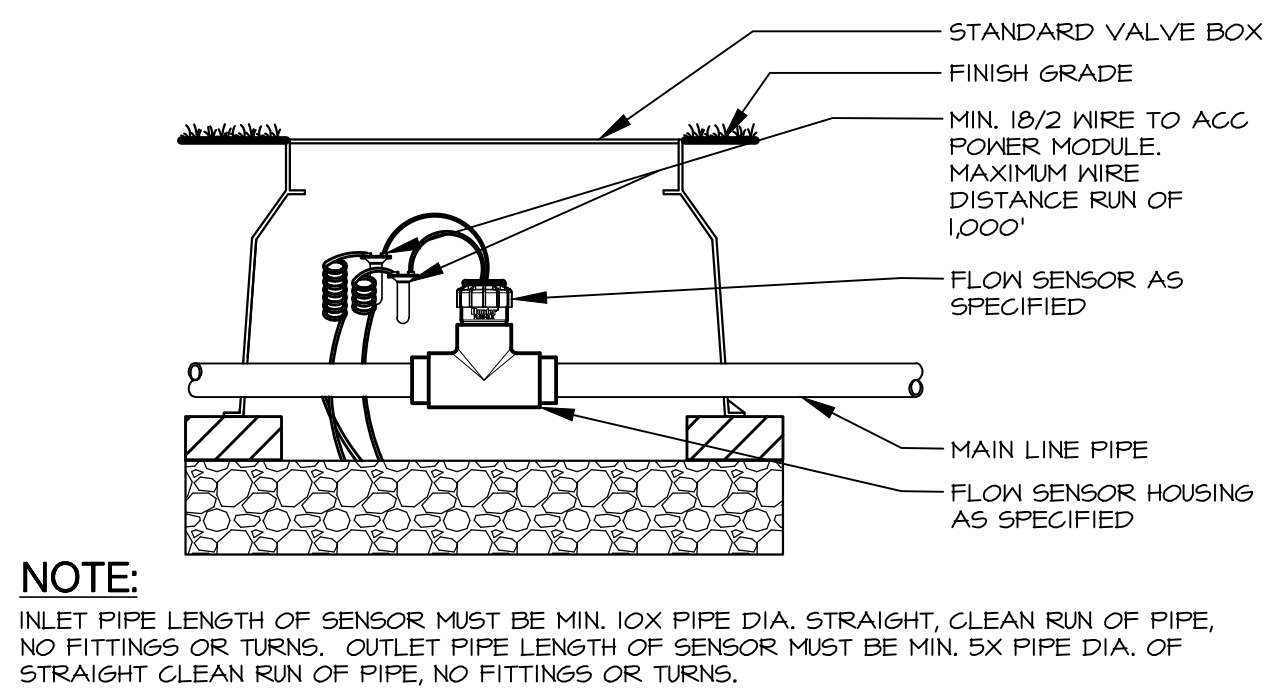
## 2 REMOTE CONTROL VALVE WITH 3/4" FILTER



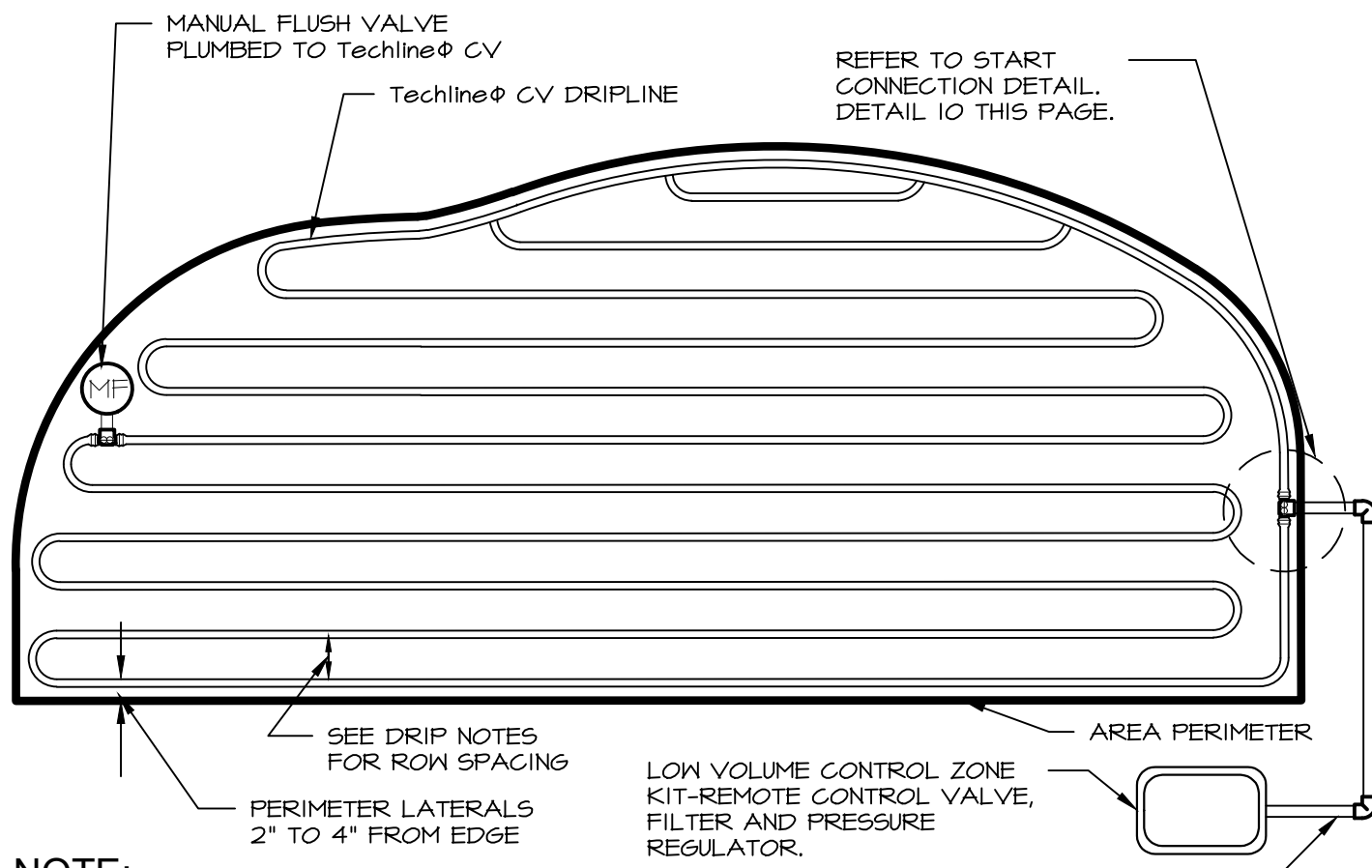
## 3 REMOTE CONTROL VALVE



## 4 FLOW SENSOR AND MASTER VALVE



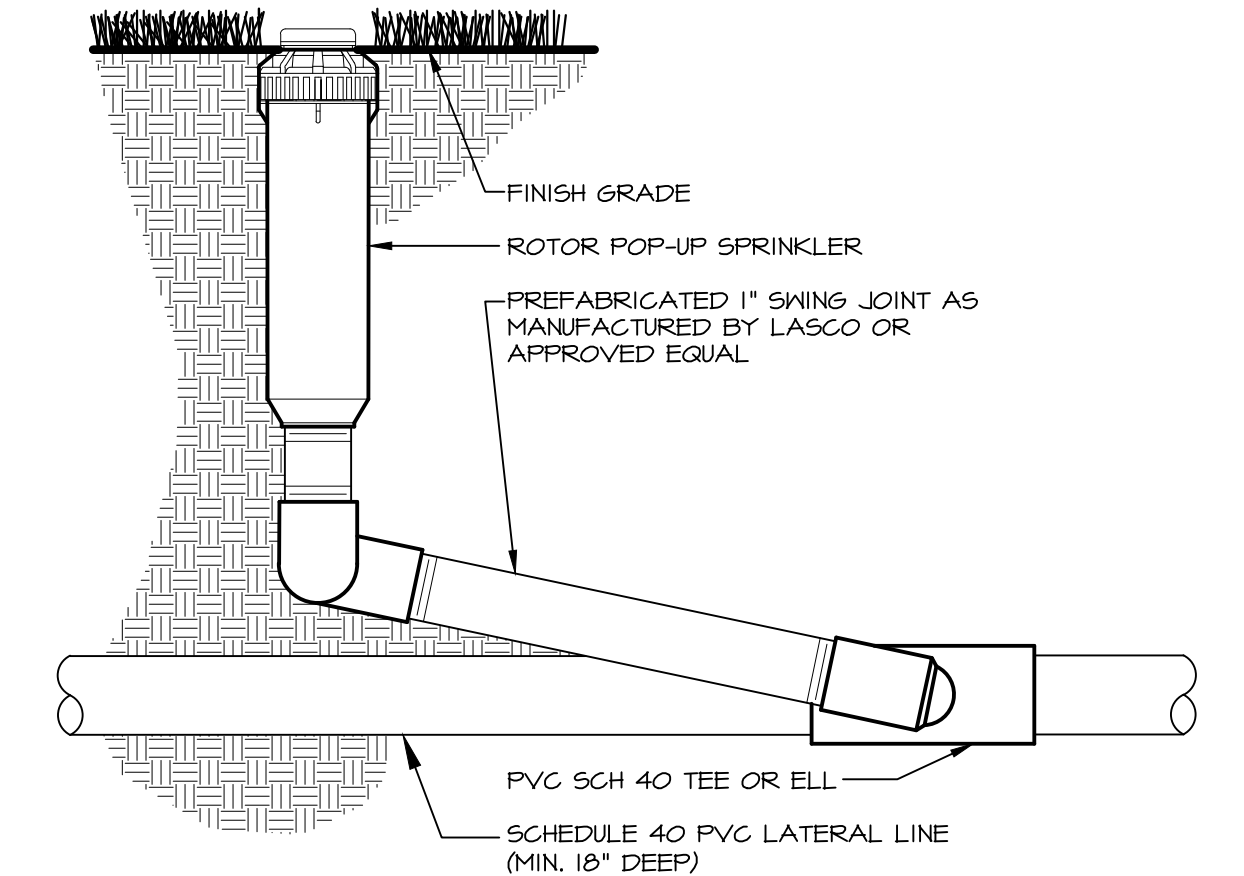
## 5 FLOW SENSOR



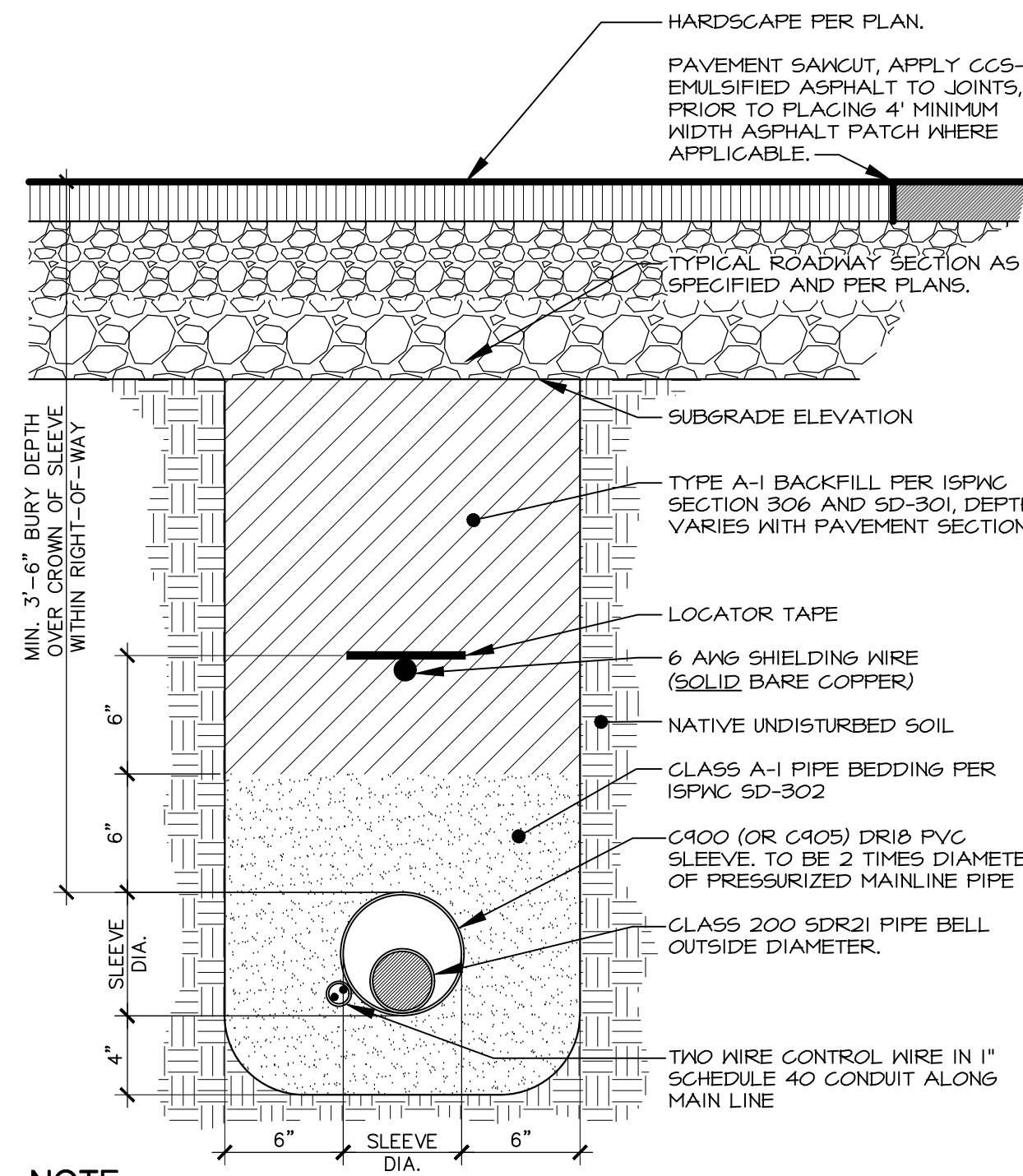
NOTE:  
1. CENTER FEED LITE LAYOUTS ALLOW 2X MAX TUBING LENGTH OF STANDARD LAYOUTS.  
2. PLACE SOIL STAPLE EVERY 3'-5' PLUS TWO ON EACH TEE, ELBOW OR CROSS.  
3. BELOW ARE MAX LINE DISTANCE FOR CENTER FEED LITE LAYOUT @ 51 PSI INLET; REFER TO FULL CHART FOR ALTERNATE PRESSURES.

.33 @ 12' o.c.	= 1,056'	.53 @ 12' o.c.	= 714'
.33 @ 18' o.c.	= 1,504'	.53 @ 18' o.c.	= 1,104'

## 6 TECHLINE LAYOUT

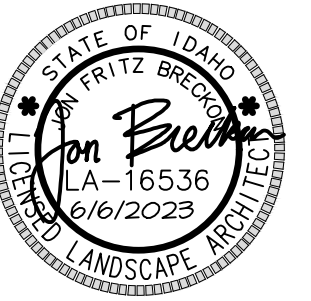


## 7 ROTOR POP-UP SPRINKLER



NOTE:  
1. COORDINATE WITH OTHER CONTRACTORS TO INSTALL SLEEVE, CONDUIT, FINDER TAPE AND LOCATING WIRE PRIOR TO INSTALLATION OF ROADWAY IF APPLICABLE.  
2. ROAD CROSSING INSTALLATION REQUIREMENTS APPLY WITH THE FULL EXTENT OF THE RIGHT-OF-WAY.  
3. IN CASE OF CONFLICTS WITH OTHER UTILITIES, IRRIGATION SLEEVE SHALL CROSS BELOW OTHER UTILITIES.  
4. THE CONTRACTOR SHALL CONSTRUCT ALL ROAD CROSSINGS OF THE IRRIGATION PIPE AND POTABLE WATER PIPE IN ACCORDANCE WITH THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS AND THE ISFVC SD-407.

## 8 HARDSCAPE CROSSING TRENCH SECTION



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DPW PROJECT NO. 21-513  
**ISP-ITD MANUFACTURED HOUSING UNIT**  
DRIGGS, IDAHO  
IRRIGATION DETAILS- BASE BID

PROJECT:  
SHEET TITLE:

REVISIONS

PROJECT NO.: 21018 BLD #22048  
DATE: JUNE 6, 2023  
DRAWN BY: EB/CP  
CHECKED BY: JB

DRAWING NO.:

**L2.6**