

BIDDING DOCUMENTS

PROJECT: SIGNAGE IMPROVEMENTS 2025

PROJECT #: W66164

BID OPENING: NOVEMBER 19, 2025 2:00PM

COMPLETION DATE: MARCH 31, 2026

CONTRACTING AGENCY:



**ROAD
DEPARTMENT**

**61150 SE 27TH STREET
BEND, OREGON 97702
PHONE: (541) 388-6581
FAX: (541) 388-2719
WEB: www.deschutescounty.gov/road**



**ROAD
DEPARTMENT**

**BIDDING DOCUMENTS
SIGNAGE IMPROVEMENTS 2025**

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OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2024

The Specification that is applicable to the Work on this Project is the 2024 edition of the "Oregon Standard Specifications for Construction". All number references in these Special Provisions shall be understood to refer to the Sections and subsections of the Standard Specifications bearing like numbers and to Sections and subsections contained in these Special Provisions in their entirety.

**DESCHUTES COUNTY, OREGON
ROAD DEPARTMENT
INVITATION TO BID
SIGNAGE IMPROVEMENTS 2025**

Bids will be received, until but not after, **2:00 p.m. on November 19, 2025**, at which time all bids for the above-entitled public works project will be publicly opened and read aloud at the Deschutes County Road Department, 61150 SE 27th Street, Bend, Oregon 97702.

The Class of Work of this Project is Signing (Permanent). The value for this Contract is estimated to be between \$170,000 and \$210,000. The Work will consist of, but not be limited to, the following:

- Install and maintain temporary traffic control.
- Remove existing signs and supports.
- Install new signs, supports and footings.
- Install new roadside delineators.
- Perform additional and incidental work as called for by the specifications and plans.

Specifications and other bid documents are available on the Deschutes County BidLocker Portal at <https://bidlocker.us/a/deschutescounty/BidLocker>. Inquiries pertaining to these specifications shall be directed to the Agency Contact, Blaine Wruck, Sr. Transportation Engineer, in writing at Blaine.Wruck@deschutescounty.gov or at 61150 SE 27th Street, Bend, Oregon 97702.

Bids can be made electronically using the Deschutes County BidLocker portal at the web address listed above, or on paper using the forms furnished by the County and mailed or hand-delivered to the Deschutes County Road Department at the address listed above. Email submissions will not be considered. Bidders who wish to submit a paper bid shall notify the Agency Contact, in writing, a minimum of forty-eight (48) business hours prior to the bid closing date and time. Bidders who submit a paper bid proposal but do not provide the required notification will be deemed non-responsive.

Bidders shall register a vendor account using the BidLocker website at <https://bidlocker.us/Account/Signup> and register with Deschutes County on the BidLocker platform in order to submit an electronic bid. BidLocker vendor registration is free of charge. If technical assistance is needed, please contact BidLocker at 267-225-1407 and/or help@bidlocker.us. Bidders are encouraged to allow extra time to ensure proposals are uploaded by the deadline.

Bidders shall include a Bid Security in the form of a Bid Bond or Cashiers Check for the minimum amount of 10% of the Bid Price. A scanned copy of the Bid Security shall be uploaded to the BidLocker website along with the bid submission. Within forty-eight (48) business hours of the bid closing date/time listed above, a hard copy of the Bid Security shall be delivered to the Deschutes County Road Department at the address listed above in a sealed envelope plainly marked "BID SECURITY FOR SIGNAGE IMPROVEMENTS 2025" and with the name and address of the bidder.

Bidders must submit a Subcontractor Disclosure Statement. The subcontractor disclosure statement shall be provided prior to 4:00 p.m. on November 19, 2025, either by uploading to the BidLocker website in a separate bid stage, or by delivering a hard copy to the Deschutes County Road Department, 61150 SE 27th Street, Bend, Oregon 97702.

Because the work called for under this contract is for a public works project subject to state prevailing rates of wage under ORS 279C.800 to 279C.870, submission of a bid certifies that the bidder will comply with ORS 279C.838 and ORS 279C.840. Each bid must contain a statement as to whether the bidder is a resident bidder, as defined in ORS 279A.120. Vendors shall use recyclable and/or sustainably sourced products to the maximum extent economically feasible in the performance of the contract Work set forth in the Solicitation Documents.

Bidders shall be prequalified with the State of Oregon for the Class of Work stated above in accordance with ORS 279C.430 through 279C.450 and Deschutes County Code 12.52.020. The successful bidders and subcontractors providing labor shall maintain a qualified drug testing program for the duration of the contract. Bidders shall be licensed with the Construction Contractor's Board. Contractors and subcontractors need not be licensed under ORS 468A.720.

Deschutes County may reject any bid not in compliance with all prescribed bidding procedures and requirements, and may reject for good cause any or all bids upon a finding of Deschutes County it is in the public interest to do so. The protest period for this procurement is seven (7) calendar days.

CHRIS DOTY
Road Department Director

PUBLISHED:
DAILY JOURNAL OF COMMERCE: November 5, 2025
THE BEND BULLETIN: November 5, 2025

INFORMATION FOR BIDDERS

1. **General Description of Project.** A general description of the Work to be performed is contained in the Invitation to Bid. The scope is indicated in the applicable parts of these Solicitation Documents.
2. **Solicitation Documents.** The Solicitation Documents under which it is proposed to execute the Work consist of the material bound herewith. These solicitation documents are intended to be mutually complementary and to provide all details reasonably required for the execution of the proposed work.
3. **Form of Proposals.** All proposals must be submitted using one of the following methods:
 - Via the Deschutes County BidLocker portal at:
<https://bidlocker.us/a/deschutescounty/BidLocker>
 - Via paper bid proposal, on the forms furnished, mailed or hand-delivered to:

Deschutes County Road Department
61150 SE 27th Street
Bend, OR 97702

Bidders who wish to submit a paper bid proposal shall notify Blaine Wruck, Sr. Transportation Engineer, in writing a minimum of forty-eight (48) business hours prior to the Bid Closing date and time, at:

Email: blaine.wruck@deschutescounty.gov; or

Mailing Address: 61150 SE 27th Street, Bend, Oregon 97702.

Bidders who submit a paper bid proposal but do not provide the required notification will be deemed non-responsive.

4. **Substitutions.** Materials and/or products called for in the specifications are named in order to establish a standard of quality design. Manufacturers or suppliers of products similar to those specified may submit bids on the work providing requests for approval of substitution materials are made at least seven (7) calendar days prior to the bid opening. Adequate information on which to base approval or disapproval must be furnished to the Road Department Director or their representative and the Road Department Director shall be the sole judge of any request. When the Road Department Director approves a substitution, it is with the understanding that the Contractor guarantees the substituted article or materials to be equal or better than the specified.
5. **Preparation of Proposals.** For electronic bid proposal submissions, all fields in the BidLocker proposal form must be completed and all required documents must be uploaded. For paper bid proposal submissions, all blank spaces in the proposal form must be filled in, in ink, or typed, in both words and figures where required. No changes shall be made in

phraseology of the forms. Written amount shall govern in cases of discrepancy between the amount stated in writing and amount stated in figures.

Any proposal shall be deemed informal which contains omissions, alterations, or additions of any kind, or prices uncalled for, or which, in any manner shall fail to conform to the conditions of the published Invitation to Bidders.

Bid proposals shall be submitted by the principal officers or partners of the organization, corporation or partnership. If a corporation makes a proposal, the corporate seal must be affixed. In the case of a proposal made by a joint venture, the Bid Proposal shall be submitted according to the instructions in the Specifications.

Any additions, conditions, limitations or provisions inserted by the bidder will render the proposal irregular and may cause its rejection.

6. **Submission of Proposals.** All proposals must be submitted in the time and in the manner prescribed in the Invitation to Bid. A responsive bid proposal must include the completed items listed in Section 18 of the Information for Bidders.

Bidders submitting an electronic Bid Proposal shall register a vendor account using the BidLocker website at <https://bidlocker.us/Account/Signup> and register with Deschutes County on the BidLocker platform in order to submit an electronic bid. BidLocker vendor registration is free of charge. If technical assistance is needed, please contact BidLocker at 267-225-1407 and/or help@bidlocker.us. Bidders are encouraged to allow extra time to ensure proposals are uploaded by the deadline.

7. **Modification or Withdrawal of Proposal.** Modification of Bid Proposals is permitted according to the Specifications.

For electronic bids, the Bidder may submit multiple electronic Bids for the same Project to revise the electronic Bid. The last electronic Bid submitted shall supersede all previous submittals.

Proposals may be withdrawn prior to the Bid Closing time indicated in the Invitation to Bid according to the Specifications. No proposal may be withdrawn after the Bid Closing time, unless the County has failed to comply with the time limits applicable to award of the Contract.

8. **Disclosure of First Tier Subcontractors.** Bidders are required to disclose information about certain first-tier subcontractors (see ORS 279C.370). Specifically, when the contract amount of a first-tier subcontractor furnishing labor or labor and materials would be greater than or equal to: (i) 5% of the project Bid, but at least \$15,000; or (ii) \$350,000 regardless of the percentage, the Bidder must disclose the following information about that subcontract either in its Bid submission, or within two hours after Bid Closing:

(A) The subcontractor's name;

- (B) The category of Work that the subcontractor would be performing, and
- (C) The dollar value of the subcontract.

If the Bidder will not be using any subcontractors that are subject to the above disclosure requirements, the Bidder is required to indicate "NONE" on the accompanying form.

THE CONTRACTING AGENCY MUST REJECT A BID IF THE BIDDER FAILS TO SUBMIT THE DISCLOSURE FORM WITH THIS INFORMATION BY THE STATED DEADLINE (see OAR 137-049-0360).

A Bidder shall submit the disclosure form either in its Bid submission or within two working hours after Bid Closing in the manner specified by the Invitation to Bid.

Compliance with the disclosure and submittal requirements of ORS 279C.370 and OAR 137-049-0360 is a matter of Responsiveness. Bids that are submitted by Bid Closing, but for which the disclosure submittal has not been made by the specified deadline, are not Responsive and shall not be considered for Contract Award.

Substitution of affected first-tier subcontractors shall be made only in accordance with ORS 279C.585.

9. **Bid Security.** The Bid Security shall be included according to the instructions given in the Invitation to Bid.

If a bidder bids more than one bid proposal, each proposal must be accompanied by separate bid security. The County reserves the right to retain the bid security of the three (3) lowest bidders until the successful bidder has signed and delivered the contract and furnished one hundred percent (100%) Performance and Payment Bonds.

10. **Conditions of Work.** Each bidder must inform themselves of the conditions relating to the execution of the work, and make themselves thoroughly familiar with all the Contract documents. Failure to do so will not relieve the successful bidder of their obligations to enter into a Contract and complete the contemplated work in strict accordance with the Contract documents. Each bidder must inform themselves on all laws and statutes, both Federal and State, relative to the regular execution of the work, the employment of labor, protection of public health, access to the work and similar requirements.

11. **Award of Contract.** The award of the contract will be made by the County on the basis of the proposal which in its sole and absolute judgment will best serve the interest of the County.

County will issue a Notice of Intent to Award contract. Any bidder may protest the notice of intent to award contract within seven (7) calendar days of the Notice of Intent to Award contract.

The County reserves the right to accept or reject any or all proposals, and to waive any informalities and irregularities in said proposals.

12. **Payment and Retainage.** Payment for work performed will be made by the County as specified in the Special Provisions based upon the contract unit prices on the Bid Schedule.

Upon substantial completion of the contract, Contractor may request a partial release of retainage held by the County. The maximum amount of a request for a partial release retainage shall be the Contract amount less 150 percent of the estimated cost of the Contract yet to be performed through final completion. Upon final completion, Contractor may request release of the remaining retainage. Each request for the release of retainage shall be accompanied by the Consent of the contractor's surety.

13. **Performance Bond and Payment Bond.** The successful bidder shall file with the County, at the time of execution of the Contract, a Performance Bond and a Payment Bond each of not less than the Contract price on the forms furnished by the County. The Surety Company furnishing the required bonds shall have a sound financial standing and a record of service satisfactory to the County, and shall be authorized to do business in the State of Oregon. In lieu of a Performance Bond, the contractor may file cash, a Certified or Cashier's Check made payable to Deschutes County, Oregon. This money, check or certificate will be held by the County conditioned on and subject to the same provisions as set forth in the attached Performance Bond. ORS 279C.380 allows no flexibility for a cash deposit in lieu of a Payment Bond.

14. **Required Public Works Bond.** Before starting work on this project the Contractor and every subcontractor to which Contractor is a party for the performance of work under this contract must have a public works bond filed with the Construction Contractors Board, 700 Summer St. NE, Suite 300, Salem, Oregon 97309-5052, before starting work on the project, unless exempt under section 2 (7) or (8) of 2005 Oregon Laws Chapter 360 ORS 279C.836(7) or (8). Every subcontract to which Contractor is a party for the performance of work under this contract shall contain a provision requiring the subcontractor to have a public works bond filed with the Construction Contractors Board before starting work on this project, unless exempt under ORS 279C.836 (7) or (8) section 2 (7) or (8) of 2005 Oregon Laws Chapter 360.

15. **Failure to Execute Contract.** Upon failure by the successful bidder to enter into the Contract and furnish the necessary bond within fifteen (15) calendar days from the date the Contract documents are sent or otherwise conveyed to the Bidder, the bid bond accompanying the bid shall be forfeited, the proceeds paid to the County, and the award withdrawn. The award may then be made to the next lowest responsible bidder, or all bids rejected and the work is re-advertised.

16. **Disclaimer of Responsibility.** Neither the County nor the Road Department Director will be responsible for oral interpretations. Should a bidder find discrepancies in, or omissions from the drawings, specifications, or other pre-bid documents, or be in doubt as to their meaning, he shall notify the County at least seven (7) calendar working days prior to the bid opening date. Any and all such interpretations, any supplemental instructions or approval of manufacturer's materials to be substituted will be made only in the form of written addenda to the specifications, which, if

issued, will be posted on the Deschutes County BidLocker Portal, not later than two (2) calendar days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such addendum or interpretation shall not relieve such bidder from any obligation under their bid as submitted. All addenda so issued are to be covered in the bid for such addenda to become part of the Agreement.

17. Permits and Licenses. The successful bidder shall be required to have or obtain, at their expense, any and all permits and licenses required by Deschutes County, any City within the County, and the State of Oregon, pertaining to the service he proposes to furnish. Licensing shall include without limitation registration with Construction Contractors Board and in the case of professional engineers and architects proof of current licensing with the appropriate State licensing board.

18. Minimum Requirements of Bid. The following minimum requirements as to the form and manner of submitting bids must be strictly observed; variance from these requirements will result in rejection of the bid as unresponsive.

a. Each Bid must be submitted in the time and in the manner prescribed in the Invitation to Bid. The inclusions required for a bid to be considered responsive are listed below:

- Bid Proposal Form
- First-Tier Subcontractor Disclosure Form
- Bid Bond

Electronic Bid Proposal

- i. Copy included in BidLocker proposal submission
- ii. Original hard-copy received by County within forty-eight (48) business hours of Bid Closing

Paper Bid Proposal

- i. Original hard-copy included in Bid Proposal submission
- Signed Addenda Certification Form

b. Each Bid must be submitted in the manner prescribed in Section 3.

c. Each Bid must be signed by the bidder.

c. Bid security, in the required form and amount, must accompany each bid. The original Bid Bond shall be delivered to Deschutes County Road Department, 61150 SE 27th Street, Bend, OR 97702, prior to the date and time specified for bid closing.

d. Each field in the proposal must be filled in unless an alternative is provided. Each separate bid item must be bid on, unless the proposal form clearly indicates otherwise.

f. A proposal containing modifications, deletions, exceptions or reservations which in any way conflict with or purport to alter any

substantive provision contained in the bid documents, will not be considered.

g. A conditional bid will not be considered.

19. **Plans.** Plans are not to be taken or construed as being reproduced at precisely the indicated scale. Where the plans are photographic reductions of the original tracings, the approximate amount of reduction is indicated by a note on the plans.
20. **Specifications.** The Specifications are the minimum acceptable specifications for the project for which proposals are sought. Any deviation from the Specifications contained herein, shall render the bid non-responsive.
21. **Examination of Site and Conditions.** Bidders are required, prior to submission of bids, to carefully examine the site and the Plans and Specifications of the contemplated work. Errors and omissions in the Plans or Specifications shall be called to the attention of the Agency prior to submission of bid so that addenda may be issued. Failure to do so on the part of the Contractor does not relieve them of responsibility for a correct and completely finished job. Only a written interpretation or correction by addendum shall be binding.
22. **Pre-Bid Inquiries.** Bidders with pre-bid inquiries shall contact Blaine Wruck, Sr. Transportation Engineer, in writing at:

Email: blaine.wruck@deschutescounty.gov; or

Mailing Address: 61150 SE 27th Street, Bend, Oregon 97702.

Contracting Agency will not mail notice of Addenda, but will publish notice of any Addenda on Contracting Agency's Web site. Addenda may be downloaded off the Contracting Agency's Web site. Bidders should frequently check the Contracting Agency's Web site until closing, i.e., at least once weekly until the week of Closing and at least once daily the week of the Closing.

23. **Prequalification of Bidders.** Bidders shall be pre-qualified with the State of Oregon in accordance with ORS 279C.430 and Deschutes County Code 12.52.020. The prequalification class is as shown in the Invitation to Bid. Bidders shall be prequalified in the appropriate class of work at the time of bid opening. Bidders shall be licensed with the Construction Contractor's Board under OAR 137-049-0230. Contractors and subcontractors need not be licensed under ORS 468.710.
24. **Contract Award.** Deschutes County reserves the right to postpone award of the contract for fourteen (14) calendar days from the date of the bid opening, or until a final decision is made on a protest, whichever is later.
25. **Bidder Statement.** This Contract is subject to ORS 279C.800 to ORS 279C.870. Submission of a bid for the project shall constitute a statement that the bidder agrees to be bound by and will comply with provisions of

279C.838, 279C.840 or 40 U.S.C. 3141 to 3148. The successful bidder and subcontractors providing labor shall maintain a qualified drug-testing program for the duration of the Contract.

By submitting a bid for the project, the bidder certifies that the bidder has not discriminated and will not discriminate against any disadvantaged business enterprise, minority-owned business, women-owned business, emerging small business, or business that a service-disabled veteran owns, in obtaining any required subcontracts. Failure to do so shall be grounds for disqualification.

BID PROPOSAL FORM
SIGNAGE IMPROVEMENTS 2025

BIDDER NAME

CCB#

ADDRESS

CITY

STATE

ZIP CODE

CONTACT NAME

CONTACT PHONE NUMBER

CONTACT EMAIL ADDRESS

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Proposal are those named herein; that this Proposal is, in all respects, fair and without fraud; and it is made without collusion with any official of Deschutes County, Oregon, hereinafter called County; and that the Proposal is made without any connection or collusion with any person making another proposal on this contract.

The Bidder further declares that Bidder has carefully examined the contract documents; that Bidder is satisfied as to the quantities involved, including materials and equipment, and conditions of work involved; and that this proposal is made according to the provisions and under the terms of the contract documents, which documents are hereby made a part of this Proposal.

The Bidder agrees that all of the applicable provisions of Oregon law relating to public contracts (ORS Chapter 279) are, by this reference, incorporated in and made a part of this Proposal.

The Bidder declares that (check appropriate box):

☐ Bidder is a resident bidder of the State of Oregon.

☐ Bidder is a nonresident bidder from the State of _____.

The Bidder declares that Bidder is not in violation of any tax laws of the State of Oregon and Deschutes County, including but not limited to those programs listed in ORS 305.380(4),

The Bidder further agrees that if this Proposal is accepted, Bidder will, within fifteen (15) calendar days after conveyance of the contract documents to the Bidder, execute the contract with the County in the form of contract annexed hereto; and will, at the time of execution of the contract, deliver to the County the Performance and Payment Bonds (See Section 13 Information for Bidders) required herein; and will, to the extent of this Proposal, furnish all materials necessary to complete the work in the manner, in the time, and according to the methods as specified in the contract documents and required by the Road Department Director.

The Bidder certifies that it has a drug testing program in place for its employees, or warrants that a drug testing program will be in place prior to execution of this contract, that the drug testing program is in writing, that new employees must pass a drug screening, that existing employees may be tested for reasonable cause or when an employee is injured or involved in an accident resulting in property

damage. The Bidder agrees that each subcontractor providing labor under this Contract shall maintain a qualifying drug testing program for the duration of the Contract.

The Bidder agrees to comply with the provisions of ORS 279C.838, ORS 279C.840 or 40 U.S.C. 3141 to 3148.

The Bidder certifies that the Bidder has not discriminated and will not discriminate against any disadvantaged business enterprise, minority-owned business, women-owned business, emerging small business, or business that a service-disabled veteran owns, in obtaining any required subcontracts in accordance with ORS 279A.110(4).

The Bidder agrees to commence work upon the issuance of a "Notice to Proceed" by the County and fully complete the project according to the time schedule specially set forth in the contract documents.

The Bidder further agrees to pay liquidated damages for failure to complete within the specified time.

It is agreed that if the Bidder is awarded the contract for the work herein proposed and shall fail or refuse to execute the contract and furnish the contract and furnish the specified Performance and Payment Bond within fifteen (15) calendar days after the contract documents are sent or otherwise conveyed to the Bidder, then, in that event, the bid security deposited herewith according to the conditions of the Invitation to Bid and Information for Bidders shall be retained by the County as liquidated damages; and it is agreed that the said sum is a fair measure of the amount of damage the County will sustain in case the Bidder shall fail or refuse to enter into the contract for the said work and to furnish the Performance and Payment Bonds (See Section 13 Information for Bidders) as specified in the contract documents. Bid security in the form of a certified check shall be subject to the same requirements as a bond.

(SIGNATURE PAGE TO FOLLOW)

(IF SOLE PROPRIETOR OR PARTNERSHIP)

IN WITNESS HERETO, the undersigned has set hand this _____ day of _____, 2025.

SIGNATURE OF BIDDER

TITLE

(IF CORPORATION)

IN WITNESS WHEREOF, the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this _____ day of _____, 2025.

NAME OF CORPORATION

By: _____

Title: _____

Attest: _____

(SCHEDULE OF BID ITEMS TO FOLLOW)

ITEM NO.	SPEC SECTION	ITEM	UNIT	QTY	UNIT PRICE	AMOUNT
Part 00200 - Temporary Features and Appurtenances						
001	00210	Mobilization	LS	1	\$	\$
002	00221	Temporary Work Zone Traffic Control, Complete	LS	1	\$	\$
Part 00800 - Permanent Traffic Safety and Guidance Devices						
003	00840	Delineators, Type 1	EACH	60	\$	\$
004	00840	Milepost Marker Posts	EACH	2	\$	\$
Part 00900 - Permanent Traffic Control and Illumination Systems						
005	00905	Remove Existing Signs	LS	1	\$	\$
006	00905	Remove and Reinstall Existing Signs	LS	1	\$	\$
007	00910	Wood Sign Posts	FBM	686	\$	\$
008	00920	Sign Support Footings	LS	1	\$	\$
009	00930	Perforated Steel Square Tube Slip Base Sign Supports	LS	1	\$	\$
010	00930	Perforated Steel Square Tube Anchor Sign Supports	LS	1	\$	\$
011	00940	Signs, Standard Sheeting, Sheet Aluminum	SQFT	914	\$	\$
TOTAL BID:						
FOR DESCHUTES COUNTY USE ONLY						
			ADD _____	% FOR NON-RESIDENT BIDDER		
					TOTAL BID	

FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM

Project Name: SIGNAGE IMPROVEMENTS 2025

Bid #: W66164

Bid Closing Date: November 19, 2025

Time: 2:00 P.M.

Name of Bidding Contractor: _____

This form must be submitted at the location specified in the Invitation to Bid on the advertised bid closing date and within two working hours (4:00 p.m.) after the advertised bid closing time.

List below the name of each subcontractor that will be furnishing labor or materials and that is required to be disclosed, the category of work that the subcontractor would be performing and the dollar value of the subcontract. Enter "NONE" if there are no subcontractors that need to be disclosed. (ATTACH ADDITIONAL SHEETS IF NEEDED).

	NAME	DOLLAR VALUE	CATEGORY OF WORK
1)	_____	\$ _____	_____
2)	_____	\$ _____	_____
3)	_____	\$ _____	_____
4)	_____	\$ _____	_____
5)	_____	\$ _____	_____
6)	_____	\$ _____	_____
7)	_____	\$ _____	_____
8)	_____	\$ _____	_____

Failure to submit this form by the disclosure deadline will result in a non-responsive bid. A non-responsive bid will not be considered for award.

Form submitted by

Bidder name: _____

Contact name: _____ Phone number: _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That _____

_____ ,

hereinafter called the Principal, and _____

_____ ,

a corporation duly organized under the laws of the State of _____ ,

having its principal place of business at _____

_____ , in the State of _____ ,

and authorized to do business in the State of Oregon, as Surety, are held and firmly bound unto the

County of Deschutes, hereinafter called the Obligee, in the penal sum of _____

_____ DOLLARS (\$ _____),

for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

The condition of this Bond is that, whereas, the Principal is submitting a bid proposal for the SIGNAGE IMPROVEMENTS 2025 project hereby made a part hereof;

NOW THEREFORE, if the said bid proposal submitted by the said principal be accepted, and the contract be awarded to said Principal, and if the said Principal shall execute the proposed contract and shall furnish the Performance and Payment Bond as required by the bidding and contract documents with the time fixed by said documents, then this obligation shall be void, otherwise to remain in full force and effect. Signed and sealed this _____ day of _____, 2025.

SURETY:

CONTRACTOR:

Name

Name

By: _____

By: _____

Title: _____

Title: _____

ADDENDA CERTIFICATION

Project Name: SIGNAGE IMPROVEMENTS 2025

Bid #: W66164

Bid Closing Date: November 19, 2025

Time: 2:00 P.M.

Name of Bidding Contractor: _____

ADDENDA: Bidder certifies that Bidder received the following Addenda:

#_____ dated: _____

#_____ dated: _____

#_____ dated: _____

#_____ dated: _____

(Include additional lines if needed)

Form submitted by

Bidder name: _____

Contact name: _____ Phone number: _____

CONTRACT
FOR
SIGNAGE IMPROVEMENTS 2025

THIS CONTRACT is made and entered into, this _____ day of _____, 2025, by and between DESCHUTES COUNTY, a political subdivision of the State of Oregon, by and through its Board of County Commissioners, hereinafter called "County", and _____, an Oregon corporation, hereinafter called "Contractor."

WITNESSTH:

THAT the said Contractor, in consideration of the sums to be paid by the County in the manner and at the time herein provided, and in consideration of the other covenants and agreements herein contained, hereby agrees to perform and complete the work herein described and provided for and to furnish all necessary machinery, tools, apparatus, equipment, supplies, materials and labor and do all things in accordance with the applicable Plans, the applicable Standard Specifications, the Special Provisions and other required provisions bound herewith or incorporated therein, and in accordance with such alterations or modifications of the same as may be made by the County, and according to such directions as may from time to time be made or given by the Engineer under the authority and within the meaning and purpose of this Contract. This agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the Contractor.

THAT the applicable Plans, the applicable Standard Specifications, the Special Provisions and other required provisions bound herewith or incorporated therein and the Schedule of Items bound herewith are hereby specifically referred to and by this reference made a part hereof, and shall by such reference have the same force and effect as though all of the same were fully written or inserted herein.

THAT the Contractor shall faithfully complete and perform all of the obligations of this Contract, and in particular, shall promptly, as due, make payment of all just debts, dues, demands and obligations incurred in the performance of said Contract; and shall not permit any lien or claim to be filed or prosecuted against the County, its agents or employees. It is expressly understood that the laws of the State of Oregon and the Ordinances of the County shall govern this Contract in all things.

THAT in consideration of the faithful performance of all of the obligations, general and special, herein set out, and in consideration of the faithful performance of the work as set forth in the Contract Documents in accordance with the directions and to the satisfaction of the Engineer, the County agrees to pay to the said Contractor the amount earned, as determined from the actual quantities of work performed, and taking into consideration any amounts that may be deductible and under the terms of the Contract, and to make such payments in the manner and at the times provided in the applicable provisions.

(SIGNATURE PAGE TO FOLLOW)

IN WITNESS WHEREOF, the parties hereto have subscribed their names and affixed their respective official seals as of the date first above written

CONTRACTOR

**BOARD OF COUNTY COMMISSIONERS
OF DESCHUTES COUNTY, OREGON**

BY: _____

COUNTY ADMINISTRATOR

TITLE: _____

ATTEST:

DATE: _____

RECORDING SECRETARY

APPROVED AS TO CONTENT:

ROAD DEPARTMENT DIRECTOR

APPROVED AS TO FORM:

COUNTY LEGAL COUNSEL

Bond # _____

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called
(Corporation, Partnership, or Individual)

“Principal”, and _____
(Name of Surety)

hereinafter called “Surety”, are held and firmly bound unto Deschutes County, Oregon

hereinafter called “Owner”, in the penal sum of _____

_____ Dollars, \$(_____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 2025, a copy of which is hereto attached and made a part hereof for the construction of:

SIGNAGE IMPROVEMENTS 2025

NOW, THEREFORE, if Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by Owner, with or without notice to Surety and during the **one year guaranty period**, and if Principal shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless Owner from all costs and damages which is may suffer by reason of failure to do so, and shall reimburse and repay Owner all outlay and expense which Owner may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between Owner and Principal shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in two counterparts, each one of which shall be deemed an original, this the _____ day of _____, 2025.

(SEAL)

PRINCIPAL: _____

By _____
Signature

Official Capacity

Attest: _____
Corporation Secretary

(SEAL)

SURETY: _____
[Add signatures for each surety if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each surety bond]

Name

Signature

Address

City

State

Zip

Phone

Fax

NOTE: Date of bond must not be prior to date of Contract.
If Contractor is Partnership, all partners should execute bond.

Bond # _____

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called
(Corporation, Partnership, or Individual)

“Principal”, and _____
(Name of Surety)

hereinafter called “Surety”, are held and firmly bound unto Deschutes County, Oregon

hereinafter called “Owner”, in the penal sum of _____

_____ Dollars, \$(_____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 2025, a copy of which is hereto attached and made a part hereof for the construction of:

SIGNAGE IMPROVEMENTS 2025

NOW, THEREFORE, if Principal shall promptly make payment to all persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such contract, and any authorized or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such work, and all insurance premiums on said work, and for all labor, performed in such work whether by subcontractor or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between Owner and Principal shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in two counterparts, each one of which shall be deemed an original, this the _____ day of _____, 2025.

(SEAL)

PRINCIPAL: _____

By _____
Signature

Official Capacity

Attest: _____
Corporation Secretary

(SEAL)

SURETY: _____
[Add signatures for each surety if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each surety bond]

Name

Signature

Address

City State Zip

Phone Fax

NOTE: Date of bond must not be prior to date of Contract.
If Contractor is Partnership, all partners should execute bond.

CERTIFICATION OF WORKERS' COMPENSATION COVERAGE

Deschutes County:

The Contractor, for the purposes of this Contract, hereby certifies that it is currently providing Oregon Workers' Compensation coverage for all its employees and will maintain coverage throughout the course of the project through one of the following methods:

1. ☐ "Carrier-Insured Employer" (State Accident Insurance Fund Corp. or other authorized insurer)

Insurance Company Name _____

ID/Policy Number _____

2. ☐ "Self-Insured Employer" (Certified by the Workers' Compensation Division)

ID number as assigned by the
Workers' Compensation Division _____

3. ☐ I am an independent contractor and will perform all work under this contract without the assistance of others.

In the event of cancellation or change in the information above, Contractor certifies that it will immediately notify the Agency of said cancellation or change and will obtain alternate coverage.

Dated _____, 2025

(Contractor's Signature)

REMINDER - ADDITIONAL INFORMATION NEEDED

Has your insurance carrier filed with Oregon Workers' Compensation Division a guaranty contract as proof of coverage for your employees working in Oregon?

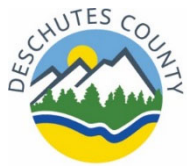
For filing information, contact the Workers' Compensation Division at Labor and Industries Building: Salem, OR 97310; Phone (503) 947-7810.

SPECIAL PROVISIONS

PROJECT: SIGNAGE IMPROVEMENTS 2025

PROJECT #: W66164

CONTRACTING AGENCY:



**ROAD
DEPARTMENT**

**61150 SE 27TH STREET
BEND, OREGON 97702
PHONE: (541) 388-6581
FAX: (541) 388-2719
WEB: www.deschutescounty.gov/road**

PROFESSIONAL OF RECORD CERTIFICATION:

Seal w/signature  RENEWS: JUNE 30, 2026	I certify the Special Provision Section(s) listed below are applicable to the design for the subject project. Modified Special Provisions were prepared by me or under my supervision. Sections <u>00110 through 02910</u>
Date Signed: <u>November 4, 2025</u>	

SPECIAL PROVISIONS

WORK TO BE DONE

The work to be done under this contract consists of the following on the SIGNAGE IMPROVEMENTS 2025 project:

1. Install and maintain temporary traffic control.
2. Remove existing signs and supports.
3. Install new signs, supports and footings.
4. Install new roadside delineators.
5. Perform additional and incidental work as called for by the specifications and plans.

APPLICABLE SPECIFICATIONS

The Specification that is applicable to the Work on this Project is the 2024 edition of the "Oregon Standard Specifications for Construction."

All number references in these Special Provisions shall be understood to refer to the Sections and subsections of the Standard Specifications and Supplemental Specifications bearing like numbers and to Sections and subsections contained in these Special Provisions in their entirety.

Copies of the Oregon Standard Specifications may be purchased or viewed online at

https://www.oregon.gov/odot/business/pages/standard_specifications.aspx

APPLICABLE RULES

The rules applicable to this contract are the Attorney General's Model Public Contract Rules, Chapter 137-046 and Chapter 137-049, as presently constituted and Deschutes County Code (DCC) Chapter 2.37. The provisions of DCC Chapter 2.37.150 are incorporated herein by reference. These provisions may be viewed at the following web address:

<http://www.co.deschutes.or.us/administration/page/deschutes-county-code>

CONTRACT TIME

The Contractor shall complete all Work to be done under the Contract not later than March 31, 2026.

CLASS OF WORK

The Class of Work for this Project is Signing (Permanent).

SECTION 00110 - ORGANIZATION, CONVENTIONS, ABBREVIATIONS AND DEFINITIONS

Comply with Section 00110 of the Standard Specifications modified as follows:

00110.05(e) Reference to Websites - Add the following bullet list to the end of this subsection:

- American Traffic Safety Services Association (ATSSA)
www.atssa.com
- Deschutes County Bids and RFPs website:
www.deschutescounty.gov/rfps
- Deschutes County BidLocker Portal:
bidlocker.us/a/deschutescounty/BidLocker
- ODOT Construction Section - Qualified Products List (QPL)
www.oregon.gov/ODOT/Construction/Pages/Qualified-Products.aspx
- ODOT Construction Surveying Manual for Contractors
www.oregon.gov/ODOT/ETA/Documents_Geometronics/Construction-Survey-Manual-Contractors.pdf
- ODOT Oregon Trucking Online - "Highway Restriction Notice - Size and/or Weight" (Form No. 734-2357)
www.oregontruckingonline.com/cf/MCAD/pubMetaEntry/restriction/
- ODOT Procurement Office - Construction Contracts Unit prequalification forms
www.oregon.gov/odot/business/procurement/pages/bid_award.aspx

00110.20 Definitions - Replace the definitions of the words and phrases list below with the following definitions:

Agency – County of Deschutes

Bid Booklet - The version that can be accessed and printed from the Deschutes County Bids and RFPs website or the Deschutes County BidLocker Portal, which contains the information identified in 00120.10.

Engineer - The Road Department Director of Deschutes County acting either directly or through his authorized representatives.

SECTION 00120 - BIDDING REQUIREMENTS AND PROCEDURES

Comply with Section 00120 of the Standard Specifications modified as follows:

00120.01 General Bidding Requirements - Replace this subsection, except for the subsection number and title, with the following:

Bidders shall submit bids by paper, or via the Deschutes County BidLocker portal at:

<https://bidlocker.us/a/deschutescounty/BidLocker>

If both paper Bids and electronic Bids are submitted for the same solicitation, the paper Bids will prevail.

The standard prequalification forms furnished by the ODOT Procurement Office shall be used by the bidder to file authorized signatures with the Agency. Signatures are of personnel authorized to submit Bids, modify Bids, or withdraw Bids. In addition, for electronic Bids, the authorized personnel shall have a digital signature and unique ID.

If the Bidder submits the Bid electronically through the Deschutes County BidLocker Portal as a joint venture, in addition to the joint venture signing with the digital signature and unique ID for the joint venture, the Bidder must also submit the signature pages from the Bid Booklet signed by each member of the joint venture, together with a statement the Bidder adds above or with the signatures as follows: "The following joint venture member signatures are for the Bid for the *****PROJECT NAME***** Project submitted by the joint venture through the Deschutes County Bidlocker Portal. The signatures are on behalf of each joint venture member and the joint venture and also confirm that the signatory was authorized to submit the Bid on behalf of the joint venture." The Bidder must also submit signature pages showing the original signatures of the joint venture members with the required statement which must be mailed or delivered to the Agency at the address given in the Bid Booklet before the Closing date and time for the Bid as a condition of Award.

00120.05 Request for Plans, Special Provisions, and Bid Booklets – Replace this subsection, except for the subsection number and title, with the following:

Bidders shall obtain solicitation documents from the Deschutes County Bids and RFPs website:

<https://www.deschutescounty.gov/rfps>

Each request shall include both the name of the person ordering or obtaining the Solicitation Documents, and the name of the Entity intending to use them. The Agency will add the name of the Entity intending to use the Solicitation Documents to the list of Holders of Bidding Plans. Bidders are cautioned that only Solicitation Documents obtained properly from the Deschutes County Bids and RFPs website may be used to submit Bids.

Bids will be accepted by mail or hand-delivery, or via the Deschutes County BidLocker portal at the web address listed in 00120.01

In the event that access to Project information on the Deschutes County BidLocker Portal is not available, an alternate method to access the information will be posted on the Deschutes County Bids and RFPs website (see 00110.05(e)). If the information is not available on the Deschutes County Bids and RFPs website, there may be a delay before the information is available using the alternate method.

Copies of the Oregon Standard Specifications for Construction may be purchased or viewed online at:

http://www.oregon.gov/ODOT/Business/Pages/Standard_Specifications.aspx.

The Plans, which are applicable to the Work to be performed under the Contract, are bound herewith.

00120.10 Bid Booklet – Replace this subsection, except for the subsection number and title, with the following:

The Bidding Documents Booklet may include, but is not limited to:

- Cover Page
- Index
- Invitation to Bid
- Information for Bidders
- Bid Proposal Form
- Schedule of Bid Items
- Subcontractor Disclosure Form
- Bid Guaranty Form
- Addenda Certification Form
- Contract Form (for review only)
- Payment and Performance Bond Forms (for review only)
- Certification of Workers' Compensation Coverage (for review only)

Depending on the Class of Project, other certificates or statements may be bound within the Bidding Documents Booklet. Plans, specifications, and other documents referred to in the Bidding Documents Booklet will be considered part of the Bid.

00120.15 Examination of Work Site and Solicitation Documents; Consideration of Conditions to be Encountered –

Replace the sentence that begins with “Any clarification of Plans and Specifications...” with the following:

Any clarification of Plans and Specifications needed by the Bidder shall be requested in writing through the Agency representative listed in the Information for Bidders contained in the Bidding Documents.

00120.30 Changes to Plans, Specifications, or Quantities before Opening of Bids –

Replace all instances of “ODOT eBIDS” with “Deschutes County BidLocker Portal”.

Delete the last paragraph.

00120.40(a)(1) Paper Bids – Replace all instances of “ODOT eBIDS” with “Deschutes County BidLocker Portal”.

Delete the sentence beginning with “Bid Sections obtained from...”.

00120.40(a)(2) Electronic Bids – Replace this subsection, except for the subsection number and title, with the following:

For Bids submitted electronically, Bidders shall prepare Bids using the Deschutes County BidLocker Portal (see 00120.01). Bidders shall complete the certifications and statements included in the Bid Requirements section of the Proposal Submission form according to the instructions. The authorized signature of the Bidder constitutes the Bidder's confirmation of and agreement to all certifications and statements contained in the Proposal Submission form and Bidding Documents.

00120.40(d) Bidder's Address and Signature Pages – Delete the last sentence.

00120.40(e)(2) Bid Guaranty with Electronic Bids – Replace this subsection, except for the subsection number and title, with the following:

For Bids submitted electronically, the Bidder shall submit a Bid guaranty as follows:

- Bidder shall submit a scanned copy of the Bid Bond form via the BidLocker Portal at the time of bid submission.
- The hard-copy Bid Bond form, with original signatures and the Surety's seal affixed, shall be submitted by mail, parcel delivery service, or hand delivered to Deschutes County Road Department, 61150 SE 27th Street, Bend, OR 97702, within forty-eight (48) business hours of the bid closing date/time listed in the Bid Booklet.
- Alternately, if the Bidder chooses to submit a Bid guaranty in the form of an irrevocable letter of credit issued by an insured institution as defined in ORS 706.008, or a cashier's check or certified check made payable to the Agency (see ORS 279C.365(5)), it shall be submitted in the same manner as described above.

00120.40(f) Disclosure of First-Tier Subcontractors – Replace all instances of "ODOT eBIDS" and "BidExpress" with "Deschutes County BidLocker Portal".

Under the paragraph "The Subcontractor Disclosure Form may be submitted for a paper Bid..." replace the second bulleted item with the following:

- By removing it from the paper Bid Booklet, filling it out and submitting it separately to the Agency in the manner specified in the Bid Booklet.

Delete the third bulleted item.

Under the paragraph "The Subcontractor Disclosure Form may be submitted for an electronic Bid..." replace the bulleted list with the following:

- Filling out the Subcontractor Disclosure Form included as a file in the electronic Bid Booklet and submitting it using the Deschutes County BidLocker Portal, under a separate bid stage as specified in the Bid Booklet.

Replace the paragraph that begins "Subcontractor Disclosure forms submitted by..." with the following:

Subcontractor Disclosure Forms submitted by any method will be considered late if not received by the Agency within two working hours of the time designated for receiving Bids.

00120.45 Submittal of Bids – Replace this subsection, except for the subsection number and title, with the following:

Bids shall be submitted in the manner and prior to the time listed in the Bid Booklet. Bid submissions shall be made using one of the following options:

- Electronic Bids may be submitted via the Deschutes County BidLocker Portal at the web address listed in 00120.01.
- Paper Bids may be submitted by mail, parcel delivery service, or hand delivery. Bidders who wish to submit a paper bid shall notify the Agency a minimum of forty-eight (48) business hours prior to the bid closing date and time according to the instructions in the Bid Booklet. Bidders who submit a paper bid proposal but do not provide the required notification will be deemed non-responsive.

Bids submitted after the time set for receiving Bids, or without the required Agency notification, will not be opened or considered. The Agency assumes no responsibility for the receipt and return of late Bids.

00120.50 Submitting Bids for More than One Contract – Delete this subsection.

00120.60(a) Paper Bids – Replace all references to “ODOT Procurement Office” with “Agency.”

Delete the third bullet point.

00120.60(b) Electronic Bids – Replace this subsection, except for the subsection number and title, with the following:

FAX and email submittals and submittals in writing to revise electronic Bids will not be permitted. However, the Bidder may submit multiple electronic Bids for the same Project to revise the electronic Bid. All electronic Bid submittals must meet all requirements and deadlines for submitting electronic Bids. The last electronic Bid submitted shall supersede all previous submittals.

The Bidder may withdraw its electronic Bid by written withdrawal request according to the following:

- The written withdrawal request is submitted on the Bidder's letterhead, either by hand delivery or by submitting a scanned version via email to the email address given in the Bid Booklet; and
- The request is signed by an individual who is authorized to sign the Bid, and proof of authorization to sign the Bid accompanies the withdrawal request; and
- If the request is being submitted by hand delivery, the Bidder shall deliver the written withdrawal request at the following address between the hours of 7:30am-4:00pm:

Deschutes County Road Department
61150 SE 27th Street
Bend, OR 97702

- The written withdrawal request is received before 9:00:00 a.m. local time on the Day of Bid Opening.

00120.65 Opening and Comparing Bids – Replace the first paragraph with the following:

Bids will be opened and the total price for each Bid will be read publicly at the time and place specified in the Notice to Contractors and the Bid Booklet. Bidders and other interested parties are invited to be present.

00120.70 Rejection of Nonresponsive Bids – Replace the bullet beginning with “The Bid is submitted on documents not obtained...” with the following bullet:

- The Bid is submitted on documents not obtained directly from the Deschutes County Bids and RFPs website (see 00110.05(e)), or is submitted by a Bidder who is not registered on the Agency’s “Bid Documents/Plan Holders List”, as required by 00120.05.

Replace the bullet beginning with “An electronic bid is not received...” with the following bullet:

- An electronic Bid is not received due to failure to comply with all requirements of the Deschutes County BidLocker Portal.

Add the following bullet to the end of the bullet list:

- The Agency determines that any Pay Item is significantly unbalanced to the potential detriment of the Agency.

00120.95 Opportunity for Cooperative Arrangement – Delete this subsection.

SECTION 00130 – AWARD AND EXECUTION

Comply with Section 00130 of the Standard Specifications modified as follows:

00130.10 Award of Contract – Replace the paragraph that begins “The Agency will provide Notice of Intent...” with the following:

The Agency will provide Notice of Intent to Award on the Agency’s website at:

<https://www.deschutescounty.gov/rfps>

Delete the paragraph that begins “The Award will not be final until...”

00130.15 Right to Protest Award – Replace this subsection, except for the subsection number and title, with the following:

Adversely affected or aggrieved Bidders, limited to the three apparent lowest Bidders and any other Bidder directly in line for Contract Award, may submit to the Board of County Commissioners of Deschutes County a written protest of the Agency’s intent to Award within five working days following the Bid Opening. The protest shall specify the grounds upon which it is based.

The Agency will not consider late protests.

00130.50 Execution of Contract and Bonds:

(a) By the Bidder – In the sentence that begins “The successful Bidder...” replace “ODOT Procurement Office – Construction Contracts Unit” with “Agency”.

(b) By the Agency – In the sentence that begins “Within 7 Calendar Days...” replace “7” with “21 (twenty-one)”.

SECTION 00140 – SCOPE OF WORK

Comply with Section 00140 of the Standard Specifications.

SECTION 00150 - CONTROL OF WORK

Comply with Section 00150 of the Standard Specifications modified as follows:

00150.05 Cooperative Arrangements – Replace this subsection, except for the subsection number and title, with the following:

Agency is not, by virtue of this Contract, a partner or joint venturer with Contractor in connection with activities carried out under this Contract, and shall have no obligation with respect to Contractor's debts or any other liabilities of each and every nature.

00150.15(b) Agency's Responsibilities - Replace this subsection, except for the subsection number and title, with the following:

The Engineer will:

- Provide up to three (3) copies of plans and specifications.
- Perform measurements and calculations for pay quantities.
- Perform final “as constructed” measurements.

00150.15(c) Contractor's Responsibilities – Replace this subsection, except for the subsection number and title, with the following:

The Contractor shall:

- Layout and set construction stakes and marks to establish the lines, grades, Slopes, Cross Sections and curve super-elevations for Roadwork to construct the Project as shown and specified, by means approved by the Engineer.
- Make calculations, field notes and survey drawings for the layout and control of work as are necessary to construct the Project as specified.
- Provide original or copies of notes, calculations and drawings as requested.
- Preserve survey monuments and control stations as governed by applicable law.
- Establish control stations as necessary to control the Project.

- Replace and augment control stations as necessary to control the Project.
- Remove and dispose of all flagging, lath, stakes and other temporary staking material after the Project is completed.
- Protect from damage or disturbance any Utility that remains within the area in which Work is being performed. Maintain and re-establish location marks according to OAR 952-001-0090(3)(a). Coordinate re-establishment of the location marks with the associated Utility.
- Determine the exact location before excavating within the tolerance zone according to OAR 952-001-0090(3)(c);
- In addition to the notification required in OAR 952-001-0090(6), notify the Engineer and the Utility as soon as the Contractor discovers any previously unknown Utility conflicts or issues. Contrary to the OAR, stop excavating until directed by the Engineer and allow the Utility a minimum of two weeks to relocate or resolve the previously unknown Utility issues.

00150.30 Delivery of Notices – Delete the paragraph that begins with “Following Notice to Proceed, all notices and other documents...”

00150.50(f) Utility Information (No Anticipated Relocations) - Within the Project limits, there are no anticipated conflicts with utilities. The Contractor shall contact those Utilities having buried facilities and request that they locate and mark them for their protection prior to construction.

00150.60(a) Load and Speed Restrictions for Construction Vehicles and Equipment – Replace the first bullet with the following:

- The Contractor shall restrict loads and speeds as necessary to avoid displacement or loss of Materials on Subgrades and Aggregate Bases. Maximum speeds of construction equipment shall be limited to 25 mph unless otherwise approved by the Agency.

SECTION 00160 – SOURCE OF MATERIALS

Comply with Section 00160 of the Standard Specifications modified as follows:

00160.30 Agency-Furnished Materials – Add the following paragraph:

No Agency materials are being offered for use on this project. Contractor shall provide all required materials.

00160.40 Agency-Furnished Sources– Add the following paragraph:

No Agency sources are being offered for use on this project. Contractor shall provide all required materials.

SECTION 00165 - QUALITY OF MATERIALS

Comply with Section 00165 of the Standard Specifications modified as follows:

00165.03 Testing by Agency – Delete this subsection.

00165.04 Costs of Testing – Delete this subsection.

00165.10(a) Field-Tested Materials – Add the following sentence to the end of this subsection:

This is a Type D project.

00165.30(c) Acceptance of Field-Tested Materials – Replace the first sentence with the following:

The Agency may elect to verify the Contractor's test results for field-tested Materials according to the Quality Assurance Program in the MFTP.

00165.50(b)(1) Specification Materials – Delete the second sentence.

SECTION 00170 – LEGAL RELATIONS AND RESPONSIBILITIES

Comply with Section 00170 of the Standard Specifications modified as follows:

00170.08 Electronic Document Management - Delete this subsection.

Add the following subsection:

00170.09 Debt Limitation - This Contract is expressly subject to the debt limitation of Oregon counties set forth in Article XI, Section 10, of the Oregon Constitution, and is contingent upon funds being appropriated therefore. Any provision herein which would conflict with law are deemed inoperative to that extent.

00170.65(b)(1) Minimum Wage Rates – Replace the last two paragraphs in this subsection with the following:

The applicable prevailing wage rates for this project are the most recent version published by the Oregon Labor and Industries at the time the Project was initially advertised (Prevailing Wage Rates for Public Works Contracts, effective October 5, 2025). The wage rates can be found at the following web address:

<https://www.oregon.gov/boli/employers/Pages/prevailing-wage-rates.aspx>

00170.70(a) Insurance Coverages - Add the following to the end of this subsection:

The following insurance coverages and dollar amounts are required pursuant to this subsection:

Insurance Coverages	Combined Single Limit per Occurrence	Annual Aggregate Limit
Commercial General Liability	\$1,000,000	\$2,000,000
Commercial Automobile Liability	\$1,000,000	(aggregate limit not required)

(d) Additional Insured – Replace this subsection except for the subsection number and title with the following:

The liability insurance coverages of 00170.70(a) shall include an Additional Insured Endorsement endorsing the "Deschutes County, and its respective officers, agents, employees, and volunteers and the Deschutes County Board of Commissioners" as Additional Insureds, but only with respect to the Contractor's activities to be performed under the Contract. Coverage shall be primary and non-contributory with any other insurance and self-insurance. The liability coverages of 00170.70(a) that are permitted by the Agency to be obtained by an appropriate Subcontractor shall include all of the foregoing as Additional Insureds and shall also include the Contractor and its officers and employees as Additional Insureds.

Additional Insured Endorsements on the Commercial General Liability shall be written on ISO Form CG 20 10 07 04, or equivalent, with respect to liability arising out of ongoing operations and ISO Form CG 20 37 07 04, or equivalent, with respect to liability arising out of completed operations. Additional Insured Endorsements shall be submitted with the Certificate(s) of Insurance and must be acceptable to the Agency.

Add the following as Additional Insureds under the Contract:

- Deschutes County and its officers, agents, employees, and volunteers
- Deschutes County Board of Commissioners

(g) Certificate(s) of Insurance - Replace this subsection except for the subsection number and title with the following:

As evidence of the insurance coverages required by the Contract, the Contractor shall furnish Certificate(s) of Insurance to the Agency at the time(s) provided in 00130.50(a). As evidence of insurance coverages required by the Contract but permitted by the Agency under 00170.70(a) to be obtained by an appropriate Subcontractor, the Contractor shall furnish Certificate(s) of Insurance to the Agency for such coverages together with the Contractor's request under 00180.21 for approval of the subcontract with that Subcontractor. The Certificate(s) shall:

- List "Deschutes County and its officers, agents, employees, and volunteers and the Deschutes County Board of Commissioners" as a Certificate holder and endorse as an Additional Insured;
- Include all required endorsements or copies of the applicable policy language effecting coverage required by the Contract;
- Specify that all liability insurance coverages shall be primary and non-contributory with any other insurance and self-insurance, with exception of Workers' Compensation;
- Include a list of all policies that fall under the Excess/Umbrella Insurance if Excess or Umbrella Insurance is used to meet the minimum insurance requirement.
- Be endorsed with a waiver of subrogation endorsement for Workers' Compensation, waiving the insured's right of subrogation against the Agency.

00170.72 Indemnity/Hold Harmless - Add the following paragraph and bullets to the end of this subsection:

Extend indemnity and hold harmless to the Agency and the following:

- Deschutes County and its officers, agents, and employees
- Deschutes County Board of Commissioners

SECTION 00180 – PROSECUTION AND PROGRESS

Comply with Section 00180 of the Standard Specifications modified as follows:

00180.40(c) Specific Limitations - Limitations of operations specified in these Special Provisions include, but are not limited to, the following:

Limitations	Subsection
On-Site Work	00180.40(b)
Contract Time	00180.50(h)
Right-of-Way and Access Delays	00180.65
Closed Lanes	00220.40(e)(1)

The Contractor shall be aware of and subject to schedule limitations in the Standard Specifications that are not listed in this subsection.

00180.41 Project Work Schedules - After the paragraph that begins "One of the following Type..." add the following paragraph:

In addition to the "look ahead" Project Work schedule, a Type A schedule as detailed in the Standard Specifications is required on this Contract.

00180.50(h) Contract Time - The Contractor shall complete all Work to be done under the Contract not later than March 31, 2026.

SECTION 00190 – MEASUREMENT OF PAY QUANTITIES

Comply with Section 00190 of the Standard Specifications.

SECTION 00195 - PAYMENT

Comply with Section 00195 of the Standard Specifications modified as follows:

00195.12(d) Steel Materials Pay Item Selection - Add the following to this subsection:

No Pay Items under this Contract qualify for the steel escalation/de-escalation program for this Project.

00195.50(b) Retainage – Replace the first paragraph of this subsection with the following:

The Agency reserves the right in its sole discretion to not withhold retainage from progress payments or to begin withholding retainage at any time. If the Agency withholds retainage from progress payments, the amount to be retained from progress payments will be 5% of the value of Work accomplished, and will be retained in one of the forms specified in Subsection (c) below.

No retainage will be withheld from Work performed as Force Account Work, escalation/de-escalation, bonuses, or other items decided by the Agency.

00195.50(c)(2) Cash, Alternate B (Retainage Surety Bond) - Delete this subsection.

00195.50(c)(3) Bonds, Securities and Other Instruments – Delete this subsection.

00195.50(d) Release of Retainage – Replace this subsection with the following:

As the Work progresses, release of the amounts retained under (b) above will only be considered for Pay Items that have been satisfactorily completed. For purposes of this Subsection, a Pay Item will be considered satisfactorily completed only if all of the Work for the Pay Item is complete and all contractual requirements pertaining to the Pay Item and Work have been satisfied. Work not included in a Pay Item, or which constitutes part of an uncompleted Pay Item, will not be regarded as satisfactorily completed Work for the purposes of this Subsection.

A determination of satisfactory completion of Pay Items or Work or release of retainage shall not be construed as acceptance or approval of the Work and shall not relieve the Contractor of responsibility for defective Materials or workmanship or for latent defects and warranty obligations.

The Contractor shall comply with all applicable legal requirements for withholding and releasing retainage and for prompt payments, including but not limited to those in ORS Chapters 279C and 701, and 49 CFR 26.29.

SECTION 00196 – PAYMENT FOR EXTRA WORK

Comply with Section 00196 of the Standard Specifications.

SECTION 00197 – PAYMENT FOR FORCE ACCOUNT WORK

Comply with Section 00197 of the Standard Specifications.

SECTION 00199 - DISAGREEMENTS, PROTESTS, AND CLAIMS

Comply with Section 00199 of the Standard Specifications modified as follows:

00199.40 Claim Decision; Review; Exhaustion of Administrative Remedies – Replace the second and third paragraphs with the following:

If the Engineer denies the claim for additional compensation or a combination of additional compensation and Contract Time, in full or in part, according to 00199.40(a), the Contractor may request review of the denial. The disputed claim may then be resolved, in full or in part, at any of the three progressive steps of claim review procedure as set forth in (b) through (d) of this Subsection.

If the Engineer has denied a claim, in full or in part, for Contract Time only according to 00180.80, or has denied a claim, in full or in part, for correction of final compensation according to 00195.95,

those disputed claims may then be resolved, in full or in part, at any of the three progressive steps of claim review procedure as specified in (b) through (d) of this Subsection.

Delete the fifth paragraph.

00199.40(b-e) - Replace these subsections in their entirety with the following:

00199.40(b) Step 1: Board of Commissioners Review – The Contractor shall request that the Engineer arrange for a hearing during a regularly scheduled Board of Commissioners Meeting in order to present the denied or partially denied claim for formal review and discussion. The meeting will take place within 21 Calendar Days of the Agency's receipt of the request, or as otherwise agreed by the parties.

If the Board of Commissioners determines that the Contractor must furnish additional information or documentation to allow proper analysis of the claim, the Engineer will prepare a Board meeting agenda item for a second hearing within 14 Calendar Days, or as otherwise agreed by the parties, at which the Contractor shall present the requested information or documentation.

If the Contractor does not accept the Step 1 decision, the Contractor may, within 10 Calendar Days of receipt of the written decision, request in writing through the Engineer that the claim be advanced to Step 3 or 4 (see (c) and (d) below).

00199(c) Step 2: Arbitration - At this step, the claim will be resolved by binding arbitration before a single arbitrator according to the Construction Industry Arbitration Rules of the American Arbitration Association or such other arbitration service and rules as agreed by the parties.

Arbitration filing costs and any arbitrator's fees will be divided equally between the Agency and the Contractor.

00199(d) Step 3: Litigation – This step applies to appeals of arbitration awards issued in Step 2 at 00199.40(c) above, according to ORS 36.600 through ORS 36.740.

The Contractor must follow each step in order, and exhaust all available administrative remedies before resorting to litigation. Lawsuits must be properly filed in a court of competent jurisdiction within 6 months from the date of the final decision that exhausted the Contractor's available administrative remedies under this Section 00199.

The Contractor shall comply with 00170.00.

SECTION 00210 - MOBILIZATION

Comply with Section 00210 of the Standard Specifications.

SECTION 00220 - ACCOMMODATIONS FOR PUBLIC TRAFFIC

Comply with Section 00220 of the Standard Specifications modified as follows:

00220.01(b) Abbreviations - Delete this subsection.

00220.02(a) General Requirements - Add the following bullet(s) to the end of the bullet list:

- Protect pedestrians in sign footing excavation areas by placing approved covers and/or temporary fencing over all exposed excavations.

00220.02(c) Bicyclists - Add the following to the end of the bulleted list:

- During flagging and pilot car operations, allow bicycles to clear the work zone before allowing oncoming traffic to enter the work zone.

00220.40(e)(1) Closed Lanes - Replace this subsection, except for the subsection number and title, with the following:

One Traffic Lane(s) may be closed when allowed, shown, or directed during the following periods of time except as indicated in 00220.40(e)(2):

- Daily, Monday through Friday between 7:00 a.m. and 6:00 p.m.

The length of the Work Zone shall not exceed 1 mile without prior approval from the Engineer.

00220.60(a)(1) Contractor Responsibility - Replace this subsection, except for the subsection number and title, with the following:

If this Work is not completed and in place, the Agency may do the Work according to 00220.60(d).

(a) Do the following at no additional cost to the Agency:

- Keep surfaces being used by Public Traffic free of all dirt, mud, gravel, materials, and debris.
- Repair damage to surfaces caused by the Contractor's operations.
- Maintain all detour and stage construction Surfacing as specified or directed.

SECTION 00221 - COMMON PROVISIONS FOR WORK ZONE TRAFFIC CONTROL

Comply with Section 00221 of the Standard Specifications modified as follows:

00221.06 Traffic Control Plan - Replace this subsection with the following subsection:

00221.06 Traffic Control Plan and Tourist-Oriented Directional and Business Logo Signs –

(a) Traffic Control Plan - Submit one of the following, 5 Calendar Days before the preconstruction conference:

(1) Agency Traffic Control Plan - If the Contractor intends to use the Agency TCP without modification, a written notification indicating that the Agency TCP will be used without modification.

(2) Contractor-Modified Traffic Control Plan - The Contractor may request to use a Contractor-modified Agency TCP, or a TCP developed by the Contractor. Do not use a modified TCP, or a TCP developed by the Contractor, unless approved by the Engineer. Use the Agency TCP unless a modified TCP, or a TCP developed by the Contractor is accepted.

The Engineer is not obligated to consider any modified Agency TCP or a TCP developed by the Contractor. The Agency will not be liable to the Contractor for failure to accept or act upon any request for a modified Agency TCP or a TCP developed by the Contractor.

To conserve time and funds, the Contractor may first submit a written request for a preliminary review by the Engineer. The request should contain a description of the proposal together with a rough estimate of anticipated dollar and time impacts. The Engineer will, within a reasonable time, respond to the Contractor in writing whether or not the request would be considered by the Agency.

If requesting a Contractor-modified Agency TCP, or a TCP developed by the Contractor, at a minimum the request shall meet all requirements of the Contract documents and comply with the Project transportation management plan (TMP). Provide the following information:

- Stamped Working Drawings according to 00150.35 that include the proposed TCP showing all TCM and quantities of TCD.
- A TPAR plan that includes:
 - Details and features used to provide pedestrian accessibility.
 - Pedestrian staging Plans at a scale no smaller than 1 inch = 50 feet.
 - Temporary alternate facilities or detour routes for pedestrian traffic.
- Staging sequences and details for Work affecting vehicular, pedestrian, and bicycle traffic.
- Proposed order and duration of the TCM.
- A detailed temporary striping plan.

If the Contractor's request to use a Contractor-modified Agency TCP, or a TCP developed by the Contractor is approved in whole or in part, acceptance will be made by a Change Order.

The Engineer will establish prices that represent a fair measure of the value of Work to be added, changed, or deleted as a result of any accepted modifications to the Agency TCP or an accepted TCP developed by the Contractor.

Once a TCP has been accepted by the Engineer, any additional modifications must be submitted by the Contractor for Agency review following the procedure described above. The Engineer is not obligated to consider additional modifications to a previously approved TCP.

(b) Tourist-Oriented Directional and Business Logo Signs - Submit one of the following for approval, at least 5 Calendar Days before the preconstruction conference:

(1) No Signs - If there are no tourist-oriented directional (TOD) or business logo signs on the Project, a written notification that no TOD or business logo signs exist within the Project limits or

(2) Signs - Submit one copy of a sketch map of the Project showing all existing TOD and business logo signs and a written narrative describing how these signs will be kept in service and protected throughout all the construction stages. If modifications are necessary, submit updated information to the Engineer for approval at least 21 Calendar Days before the change is needed.

00221.60 Temporary Traffic Control Devices – Replace the paragraph that begins “TCD delivered to the Project Site found...” with the following paragraph:

Repair or replace TCD delivered to the Project Site found to be in “marginal” or “unacceptable” condition, at no additional cost to the Agency.

SECTION 00222 – TEMPORARY TRAFFIC CONTROL SIGNS

Comply with Section 00222 of the Standard Specifications modified as follows:

00222.40(e) Temporary Sign Placement - Add the following to the end of the bullet list:

- When construction requires bicycles to use the Traffic Lanes, install a "Bicycle ON ROADWAY" (CW11-1) symbol sign on either end of the affected area. Keep the signs in place during lane or shoulder closures.
-

00222.80(a) Area Basis - Add the following to the end of the paragraph that begins "Temporary signs will...":

No measurement of quantities will be made for temporary signs.

00222.90 Payment - Add the following to the end of the paragraph that begins "No separate or...":

No separate or additional payment will be made for furnishing, installing, and maintaining temporary signs. Payment will be included in 00221.98.

SECTION 00223 - WORK ZONE TRAFFIC CONTROL LABOR AND VEHICLES

Comply with Section 00223 of the Standard Specifications modified as follows:

00223.31(b) Traffic Control Inspection Without TCS – Replace the bullet that begins with “Prepares and signs...” with the following bullet.

- Prepares and signs a "Traffic Control Inspection Report" on the approved form furnished by the Agency upon the initial installation of TCM and each working day when any modification, removal, or reinstallation of TCM are made, or as directed by the Engineer. Submit completed reports to the Engineer no later than the end of the next working day.

SECTION 00224 - TEMPORARY TRAFFIC CHANNELIZING DEVICES

Comply with Section 00224 of the Standard Specifications modified as follows:

00224.80 Measurement – Replace this section, except for the subsection number and title, with the following:

No measurement will be made for work performed under this section.

00224.90 Payment – Replace this subsection, except for the subsection number and title, with the following:

Work performed under this section will be paid for according to 00221.98.

SECTION 00290 - ENVIRONMENTAL PROTECTION

Comply with Section 00290 of the Standard Specifications.

SECTION 00440 – COMMERCIAL GRADE CONCRETE

Comply with Section 00440 of the Standard Specifications.

SECTION 00840 - DELINEATORS AND MILEPOST MARKER POSTS

Comply with Section 00840 of the Standard Specifications.

SECTION 00905 - REMOVAL AND REINSTALLATION OF EXISTING SIGNS

Comply with Section 00905 of the Standard Specifications.

SECTION 00910 - WOOD SIGN POSTS

Comply with Section 00910 of the Standard Specifications.

SECTION 00920 - SIGN SUPPORT FOOTINGS

Comply with Section 00920 of the Standard Specifications modified as follows:

00920.10 Materials - Replace this subsection, except subsection number and title, with the following:

Furnish Materials for constructing sign support footings meeting the following requirements:

Anchor Bolts	02560.30
Backfill, unless otherwise directed....	00510.10 or 00510.11
Commercial Grade Concrete.....	00440
Reinforcement	02510
Structural Concrete	00540

Furnish Commercial Grade Concrete for minor sign support foundations. Furnish structural concrete for major sign support foundations.

00920.41 Concrete - Replace the paragraph beginning "Construct concrete sign foundations..." with the following:

Construct concrete minor sign support foundations according to Section 00440 and the applicable portions of 00540.48(a). Construct major sign support footings according to Section 00540.

00920.80 Measurement - Add the following to the end of this subsection:

The estimated quantities of concrete for minor sign supports are:

Support Type	Quantity
Perforated Steel Square Tube Slip Base Sign Supports	8.7 cu. yd.

SECTION 00930 - METAL SIGN SUPPORTS

Comply with Section 00930 of the Standard Specifications modified as follows:

00930.01 Definitions - Add the following definition at the end of this subsection:

Street Name Sign Mount - This group includes plates, brackets, and fasteners necessary to install a street name sign on a sign support.

00930.80 Measurement - Add the following to the end of this subsection:

The estimated quantities of structural steel are as follows:

Item	Estimated Quantity (Pound)
Minor Sign Supports	
Perforated Steel Square Tube Slip Base Sign Supports	3088
Perforated Steel Square Tube Anchor Sign Supports	1756

00930.90 Payment - Replace the paragraph that begins "No separate or additional payment will..." with the following paragraph:

No separate or additional payment will be made for:

- Coating steel sign supports
- Route marker frames

- Wind bracing
- Pole clamps
- Stainless steel clamps
- Mast Arm Street Name Sign Mounts
- Street Name Sign Mounts
- Special sign brackets.

SECTION 00940 - SIGNS

Comply with Section 00940 of the Standard Specifications modified as follows:

00940.47 Sign Erecting - Add the following paragraph to the end of this subsection:

Trim and remove branches, vegetation, or other materials obstructing the visibility of signs by Public Traffic, as directed.

00940.90 Payment - Add the following paragraphs to the end of this subsection:

Trimming and removal of branches, vegetation, or other materials will be paid for according to 00320.90.

SECTION 02110 – POSTS, BLOCKS AND BRACES

Comply with Section 02110 of the Standard Specifications.

SECTION 02190 – PRESERVATIVE TREATMENT OF TIMBER

Comply with Section 02190 of the Standard Specifications.

SECTION 02560 - FASTENERS

Comply with Section 02560 of the Standard Specifications modified as follows:

02560.60(a)(1) Method 1 – Replace the paragraph that begins “Continue to tighten the nut until...” with the following:

Continue to tighten the nut until the nut has turned twice the rotation shown in Table 00560-3 of Section 00560 from its snug-tight position mark for bolt lengths up to 8D (for greater than 8D up to 12D bolt lengths tighten to 1 1/6 turn from snug-tight).

SECTION 02910 - SIGN MATERIALS

Comply with Section 02910 of the Standard Specifications modified as follows:

Add the following subsection:

02910.23 Digital Printing -

(a) Digitally Printed Ink Systems – Provide digitally printed ink systems from the QPL that meet the following requirements:

- Produce traffic signs using components, and processes that comply with the retroreflective sheeting manufacturer's recommendations.
- Meet and comply with daytime and nighttime chromaticity (color standards) as recognized in ASTM D4956 *Standard Specification for Retroreflective Sheeting for Traffic Control*.
- Meet 70% for type XI standards of the initial retroreflectivity specifications of each respective reflective film color as found in ASTM D4956.

(b) Retroreflective Sheeting – Furnish retroreflective sheeting that:

- Consists of white or colored sheeting having a smooth outer surface and that has the property of a retroreflector over its entire surface.
- Conform to all requirements of the current version of ASTM D4956. Designate the retroreflective sheeting as type XI ASTM D4956 classification.
- Has a Class 1 pressure-sensitive adhesive, as defined by ASTM D4956, protected by an easily removable liner. Fabricate finished traffic signs and traffic sign faces using retroreflective sheeting of Type XI ASTM D4956 classification.

(c) Protective Overlay Film – Fabricate permanent traffic signs printed with digital ink systems with a full sign protective overlay film designed to provide a smooth surface needed for retroreflectivity, and to protect the sign from fading and UV degradation. Comply with the retroreflective sheeting manufacturer's recommendations for the overlamine to ensure proper adhesion and transparency. Meet the reflective film durability as identified in the warranty requirements.

02910.33 Permanent Legends – Replace this subsection, except for the subsection number and title, with the following:

(a) General – Permanent legends consist of white retroreflective screened, red retroreflective screened, black screened or cut-out white retroreflective sheeting. Meet the design of the FHWA Standard Rounded Capital Letter Alphabets for the letters and numerals of all permanent legends.

(b) Retroreflective White Screened Legend – Use transparent paste materials for the reverse screening of retroreflective white legends and for the screening of retroreflective red legends conforming to the recommendations of the manufacturer of the reflective sheeting.

(c) Retroreflective Cut-out Legend – Use Material for retroreflective cut-out legend conforming to the requirements of 02910.20.

(d) Nonreflective Black Screened Legend – Furnish Material for nonreflective black screened legends that is compatible with the sign sheeting, as recommended by the sign sheeting manufacturer.

(e) Nonreflective Black Cut-out Legend – Use Material for nonreflective cut-out legend conforming to 02910.21.

(f) Digitally Printed Sign – Use processes and Materials for digitally printed signs conforming to the requirements of 02910.23.

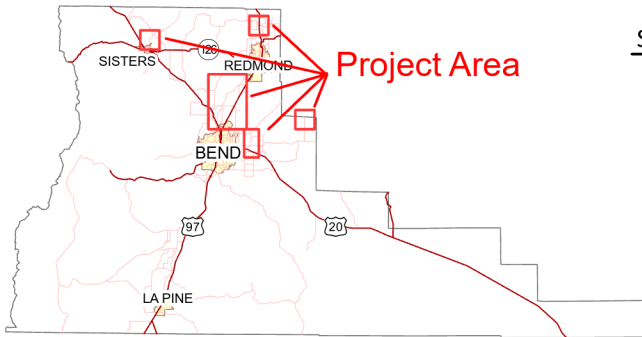
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DESCHUTES COUNTY ROAD DEPARTMENT

PLANS FOR

SIGNAGE IMPROVEMENTS 2025

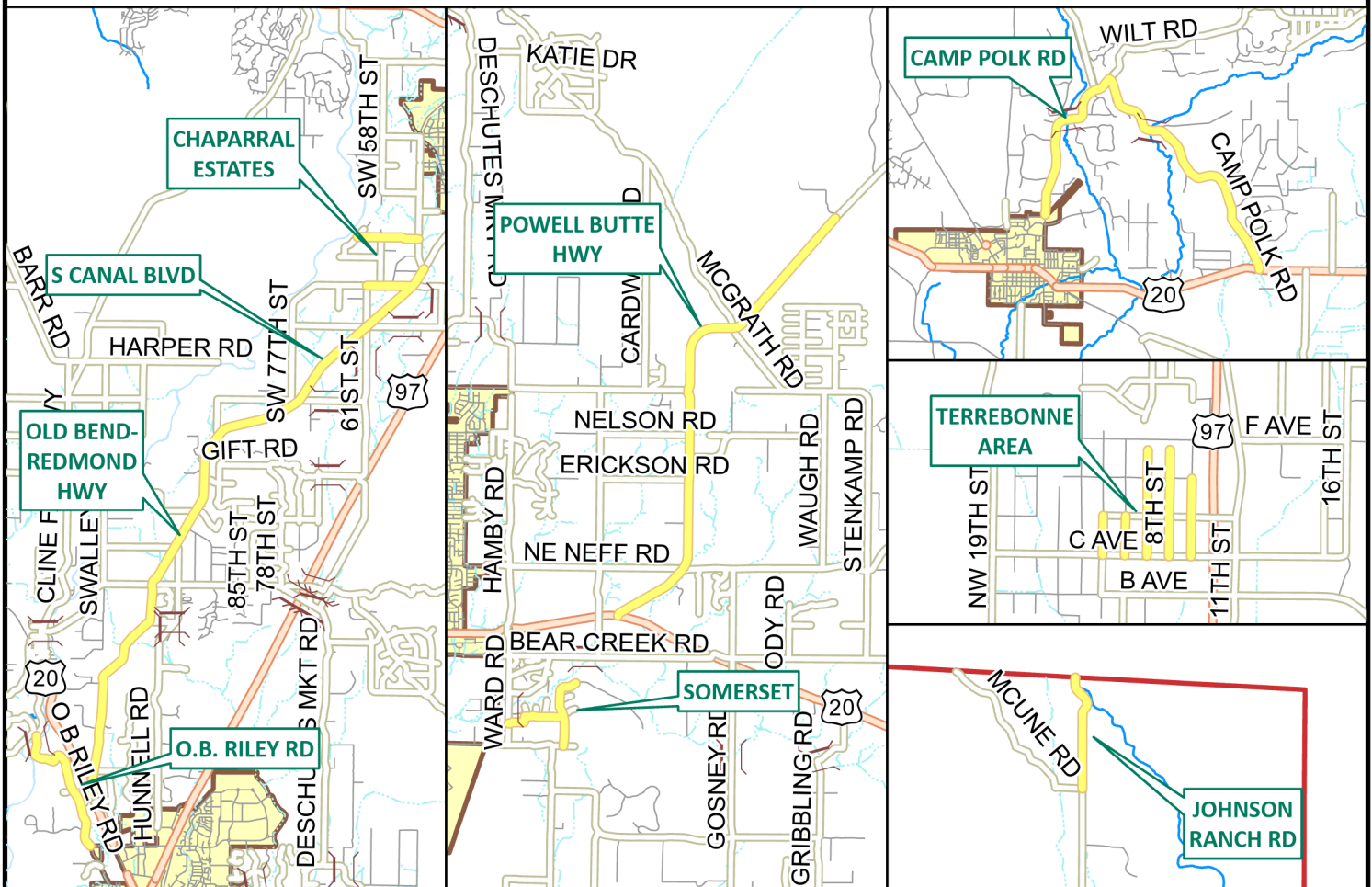
OCTOBER 2025



Project Area

INDEX OF SHEETS

SHEET #	DESCRIPTION	OREGON STANDARD DRAWINGS	
1	COVER SHEET	TM200	SIGN INSTALLATION DETAILS
2-4	PLAN---S CANAL BLVD	TM204	FLAG BOARD MOUNTING DETAILS
5-8	PLAN---OLD BEND-REDMOND HWY	TM222	INST. DETAILS MILEPOST MARKER POSTS
9-12	PLAN---POWELL BUTTE HWY	TM570	TRAFFIC DELINEATORS
13-14	PLAN---CHAPARRAL ESTATES	TM571	TRAFFIC DELINEATORS STEEL POST DET.
15	PLAN---SOMERSET	TM670	WOOD POST SIGN SUPPORTS
16	PLAN---TERREBONNE	TM671	3 SECOND GUST WIND SPEED MAP
17-27	PLAN---CAMP POLK RD	TM676	SIGN ATTACHMENTS
28-29	PLAN---JOHNSON RANCH RD	TM681	PSST SIGN SUPPORT INSTALLATION
30-34	PLAN---O.B. RILEY RD	TM688	PSST SLIP BASE FOUNDATION
	SIGN & POST DATA TABLES	TM800	TABLES, ABRUPT EDGE AND PCMS DETAILS
		TM850	2-LANE, 2-WAY ROADWAYS
		TM855	2-LANE, 2-WAY ROADWAYS



LOCATION MAPS

NOT TO SCALE

- Bridges
- Project Centerline
- County Routes
- State Highway
- Road Centerlines
- Streams
- Canals
- Rivers
- City Limits
- County Boundary



ROAD DEPARTMENT

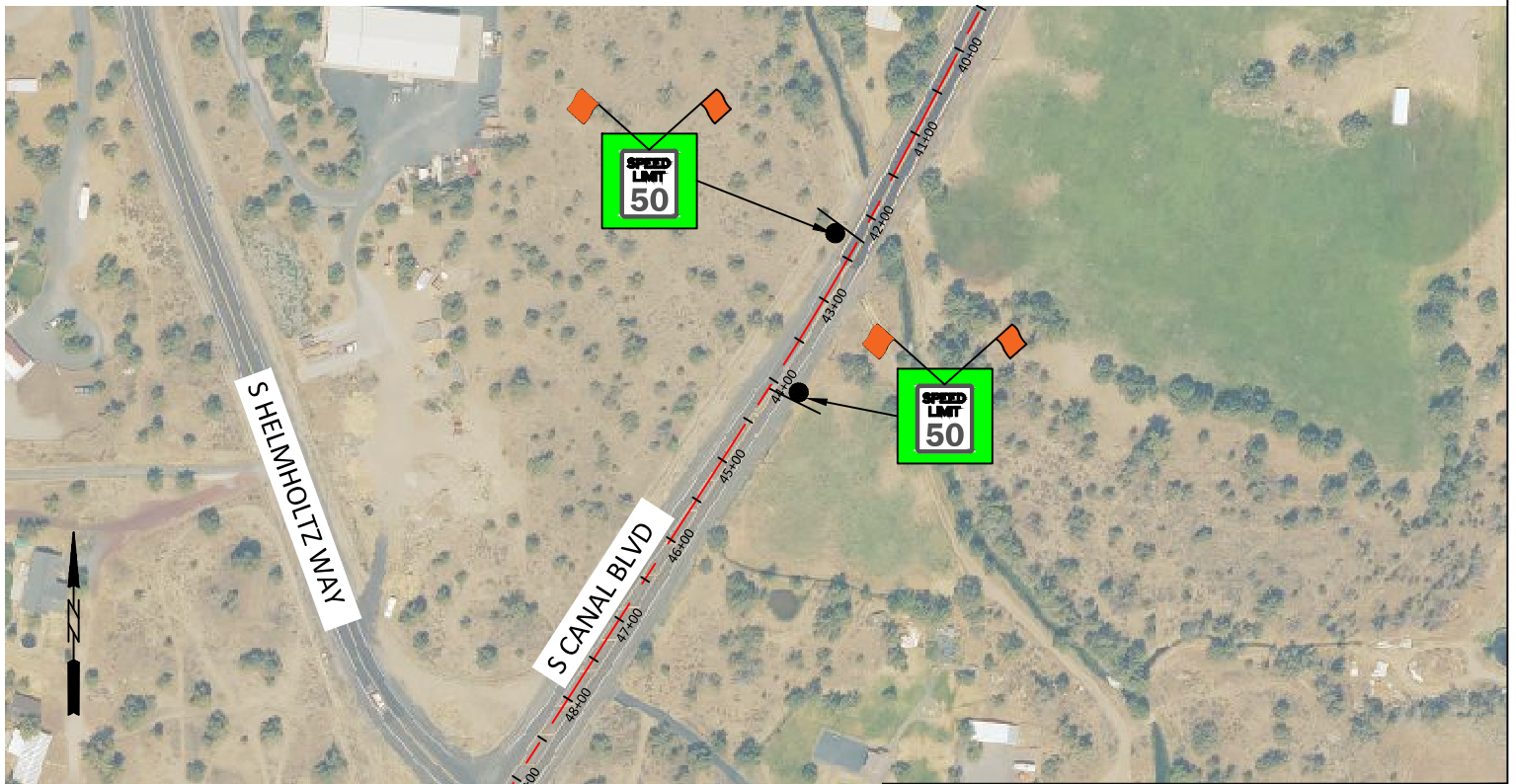
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SHEET NO:
1 OF 35

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10/28/2025

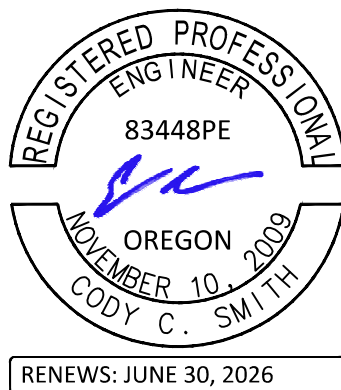
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DRAFTER: B. WRUCK
REVIEWED BY: C. SMITH



-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

STA 0+00 = ELKHORN AVE (CENTERLINE)
EP OFFSET = 10'



**ROAD
DEPARTMENT**

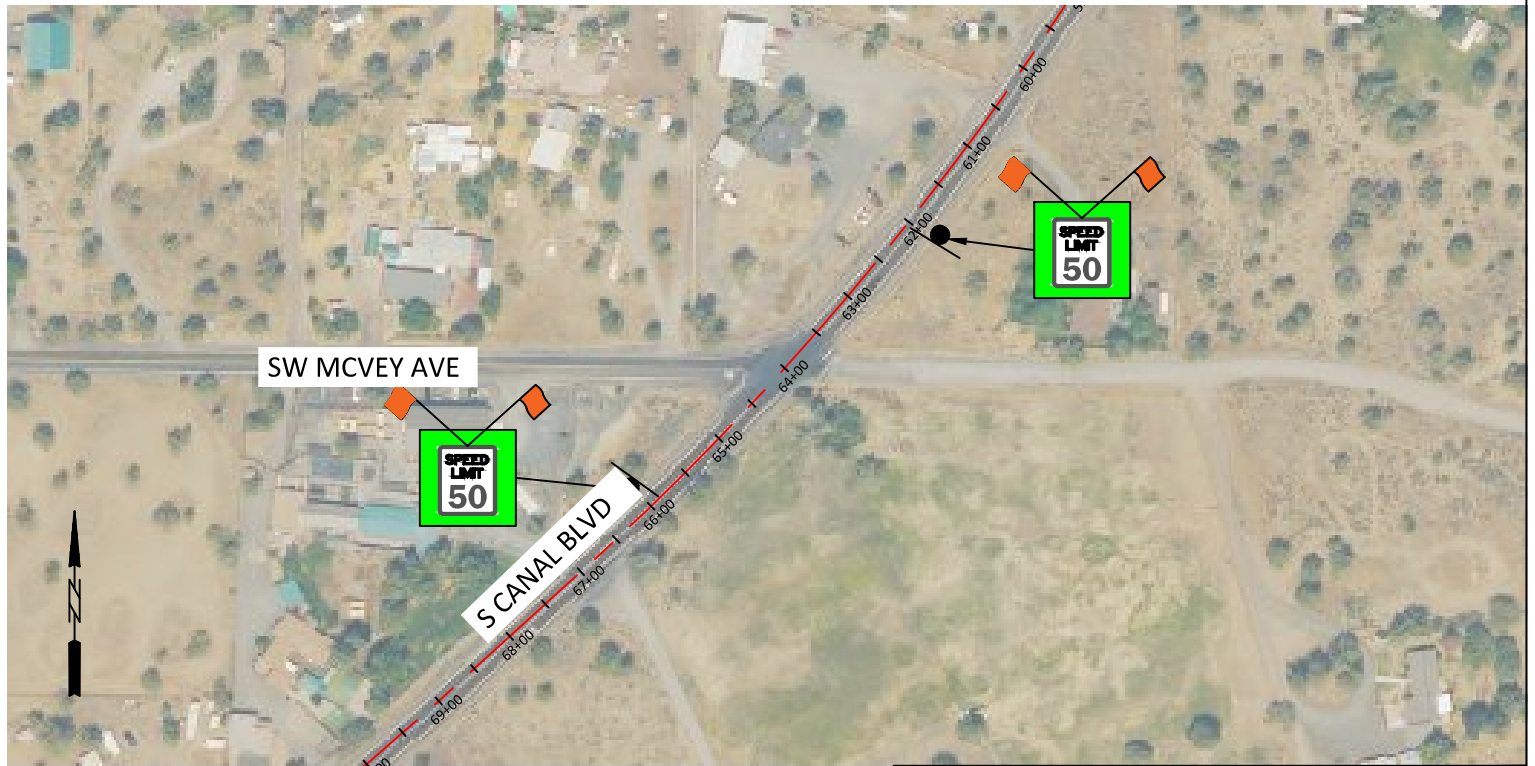
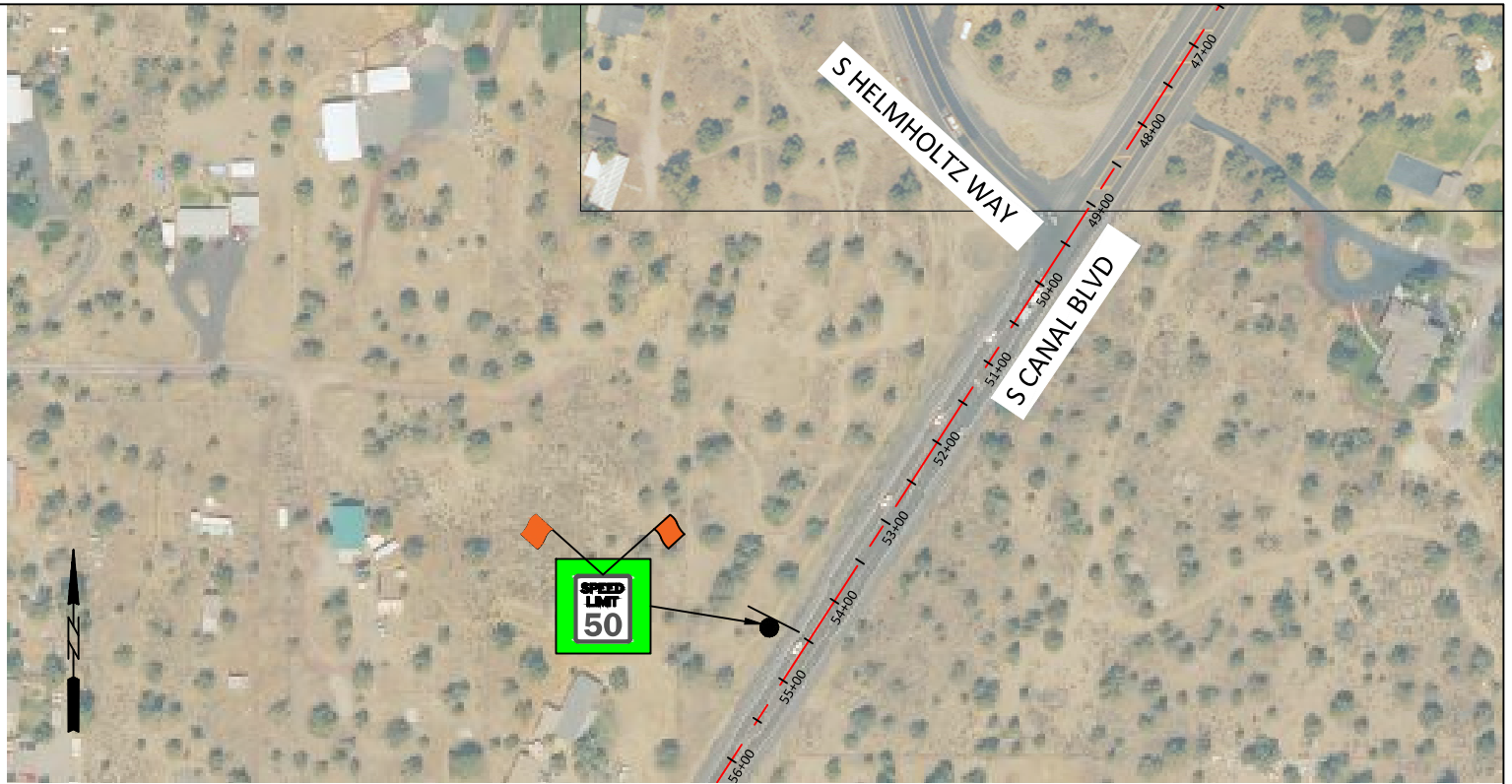
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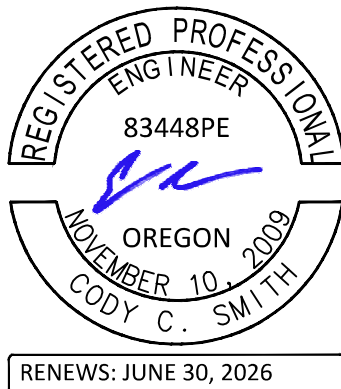
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APPROVED BY:
C. SMITH



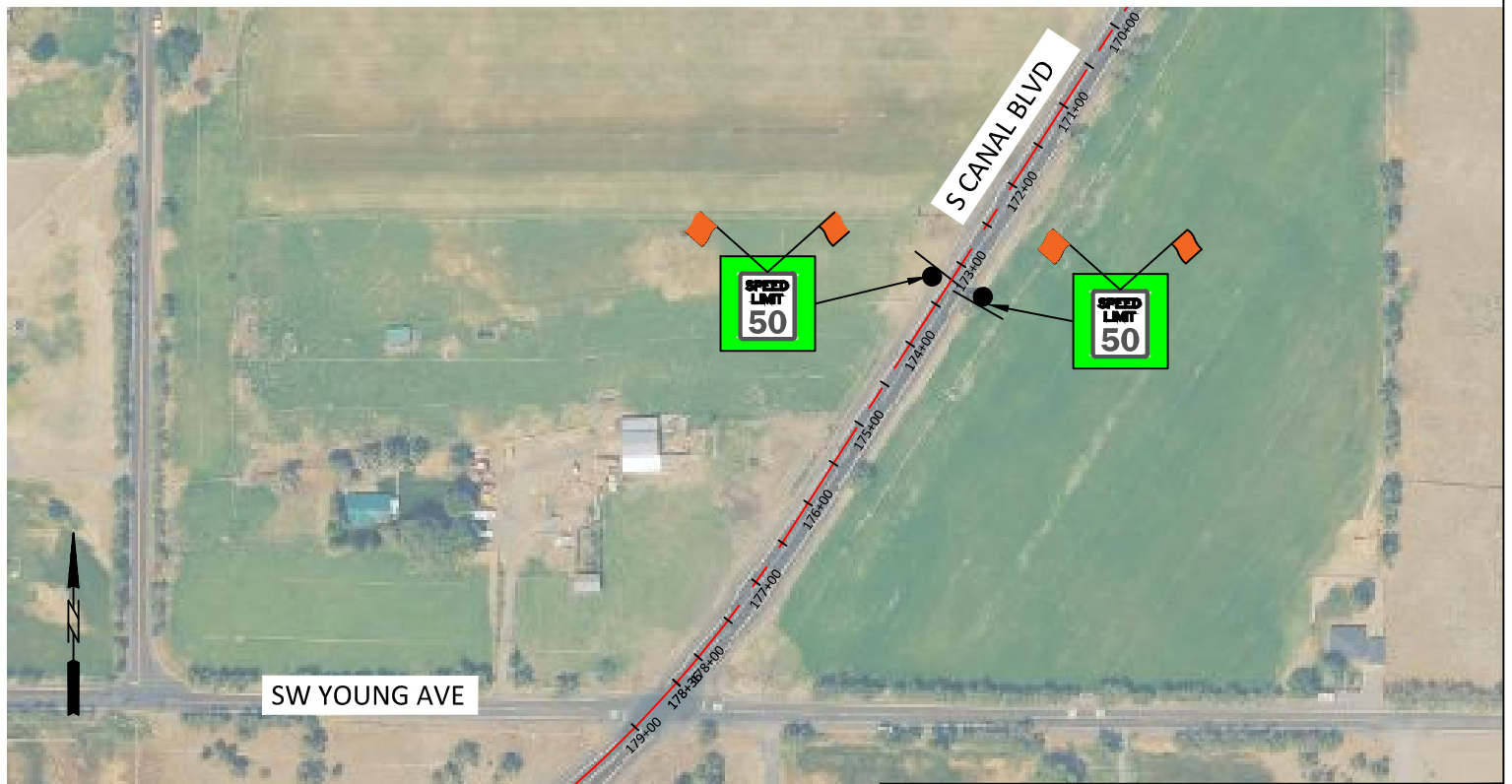
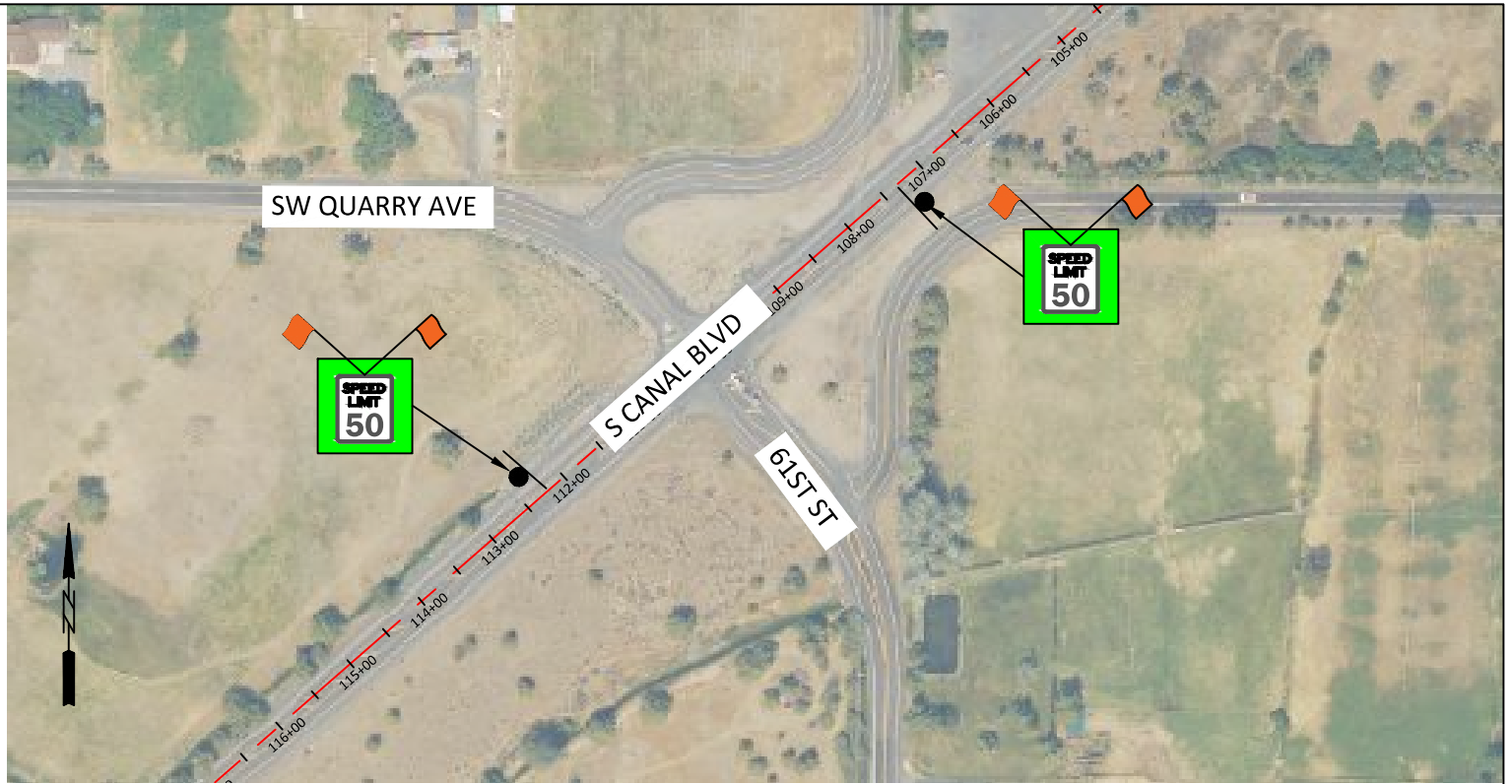
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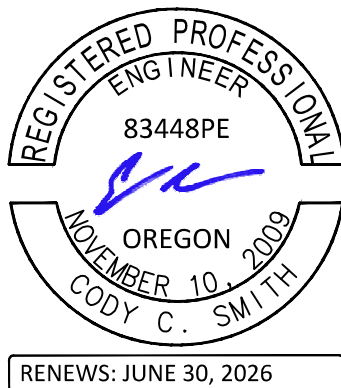
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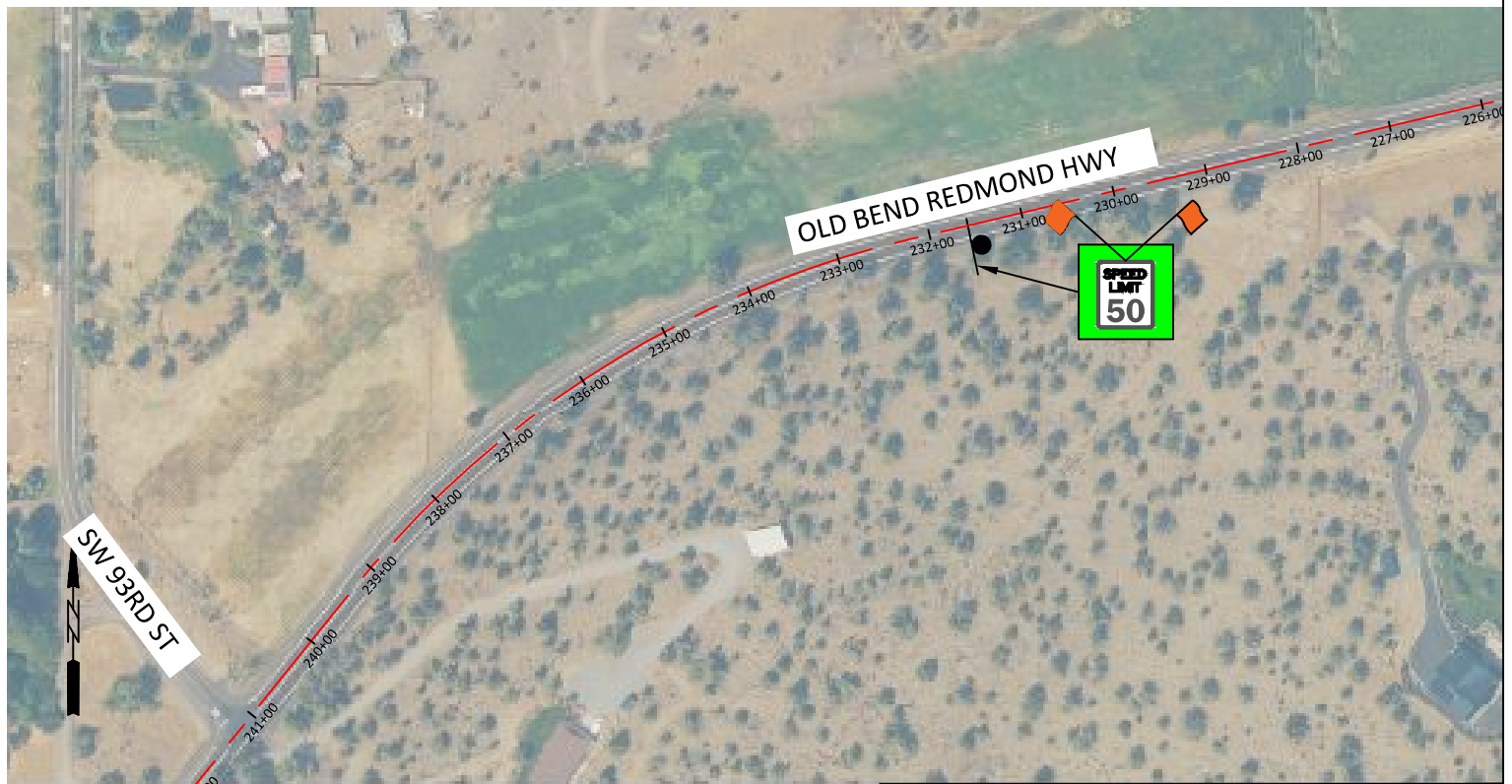
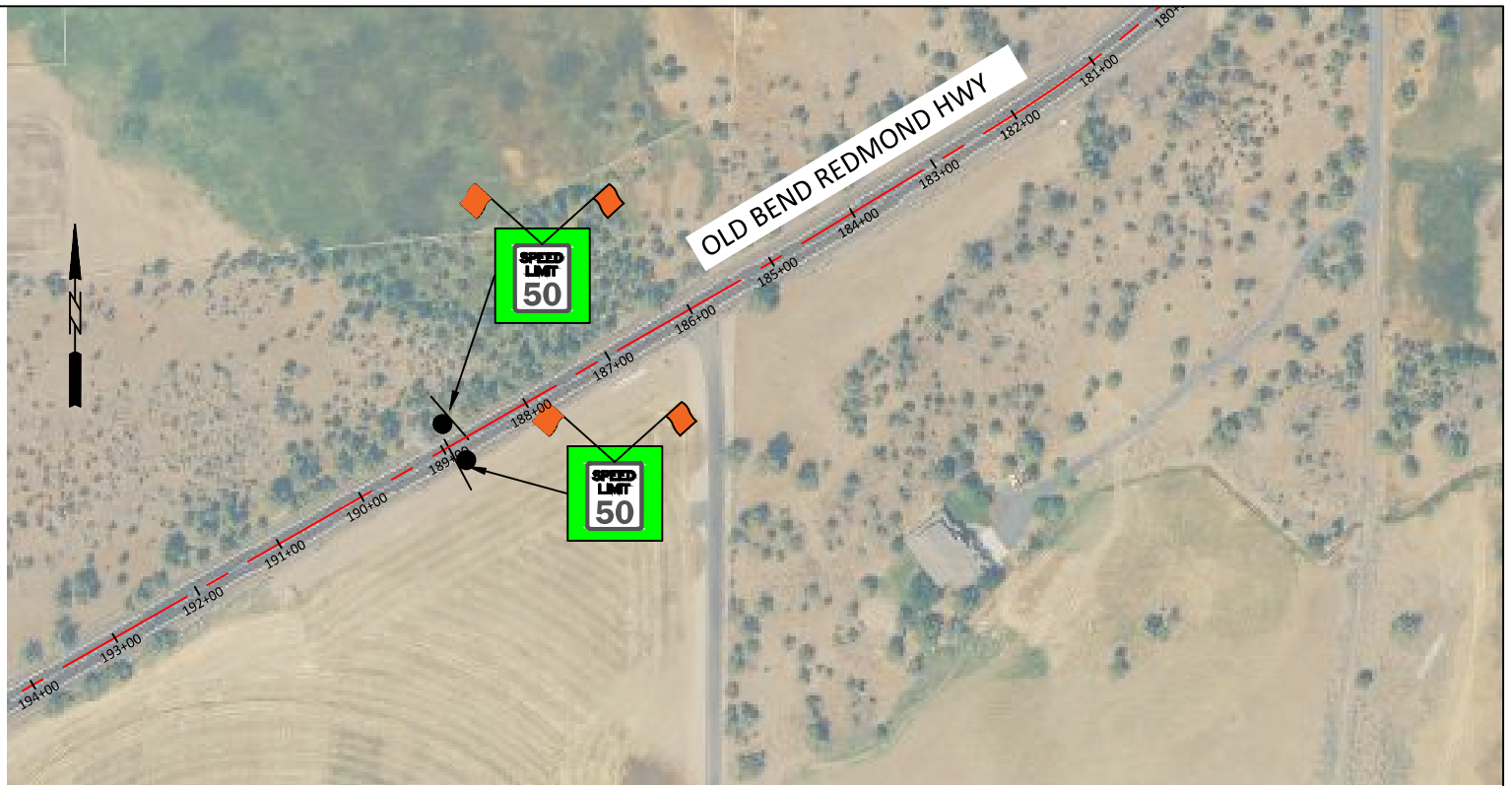
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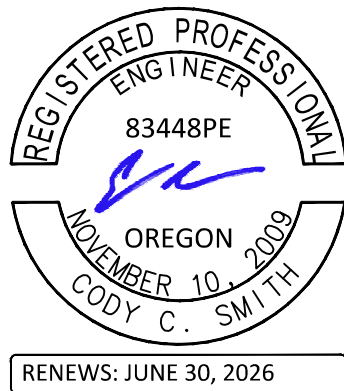
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DATE: 10/28/25	SCALE: 1"=200'	APPROVED BY: C. SMITH



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-  INSTALL NEW SIGN

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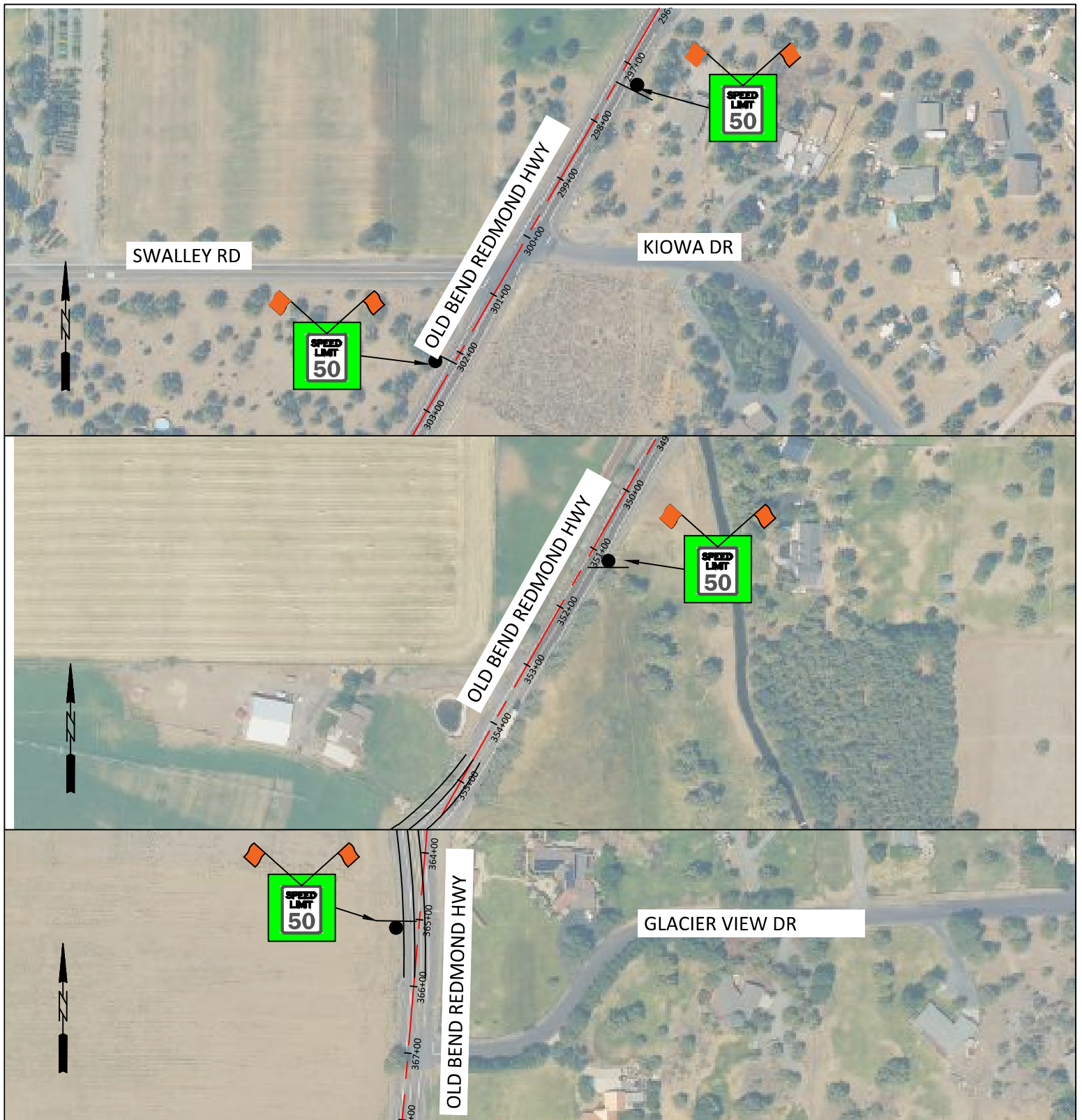
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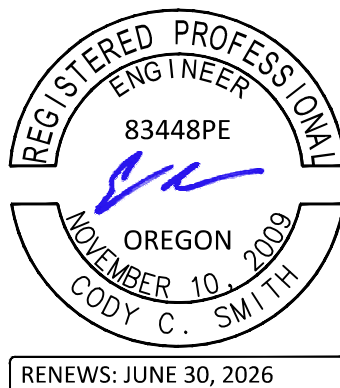
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C. SMITH



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGN

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 STA 361+00 = TUMALO RD
 EP OFFSET = 10'



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**ROAD
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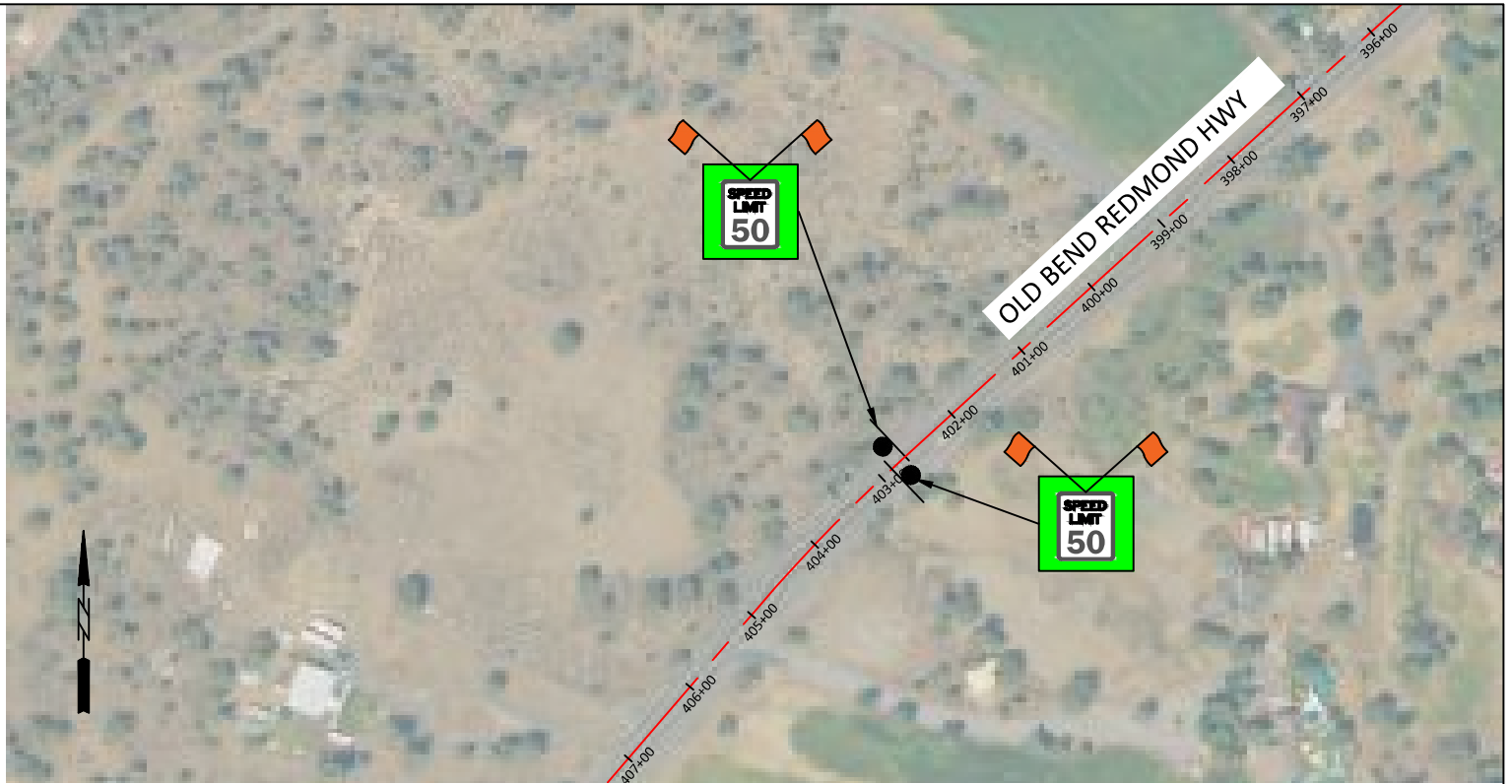
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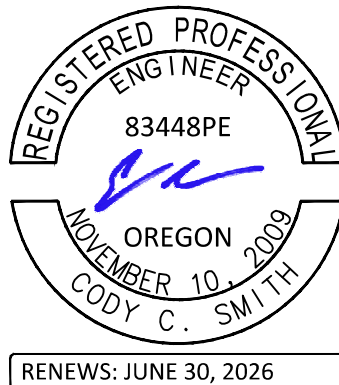
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C. SMITH



-  SIGN LOCATION
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**ROAD
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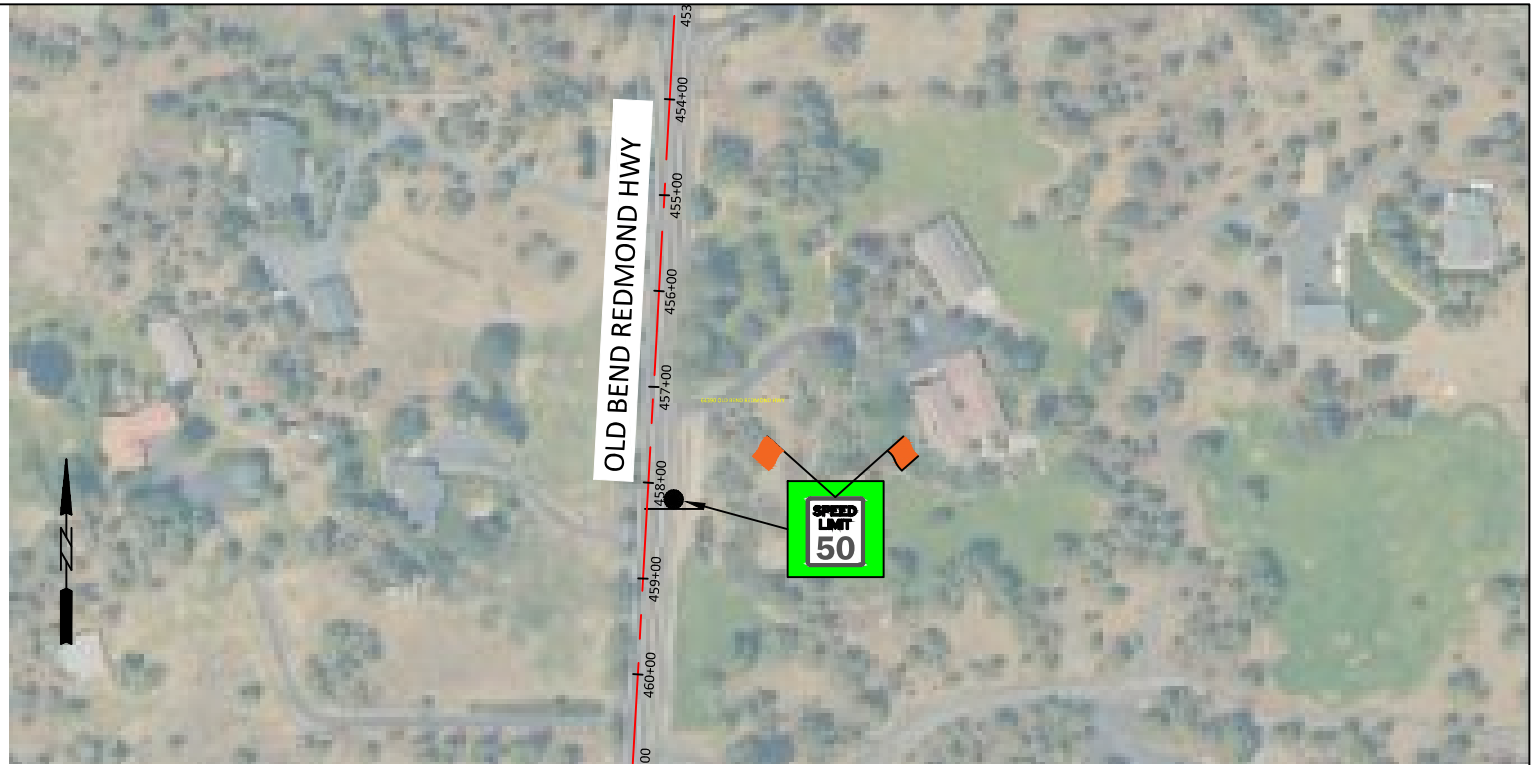
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DATE:
10/28/25

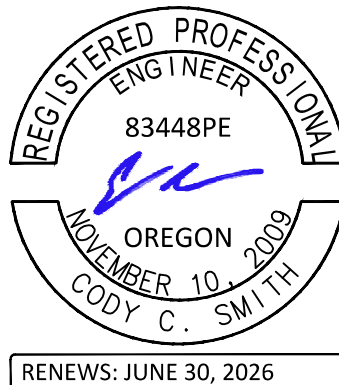
SCALE:
1"=200'

APPROVED BY:
C. SMITH



-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

STA 0+00 = ELKHORN AVE (CENTERLINE)
 STA 361+00 = TUMALO RD
 EP OFFSET = 10'



ROAD DEPARTMENT

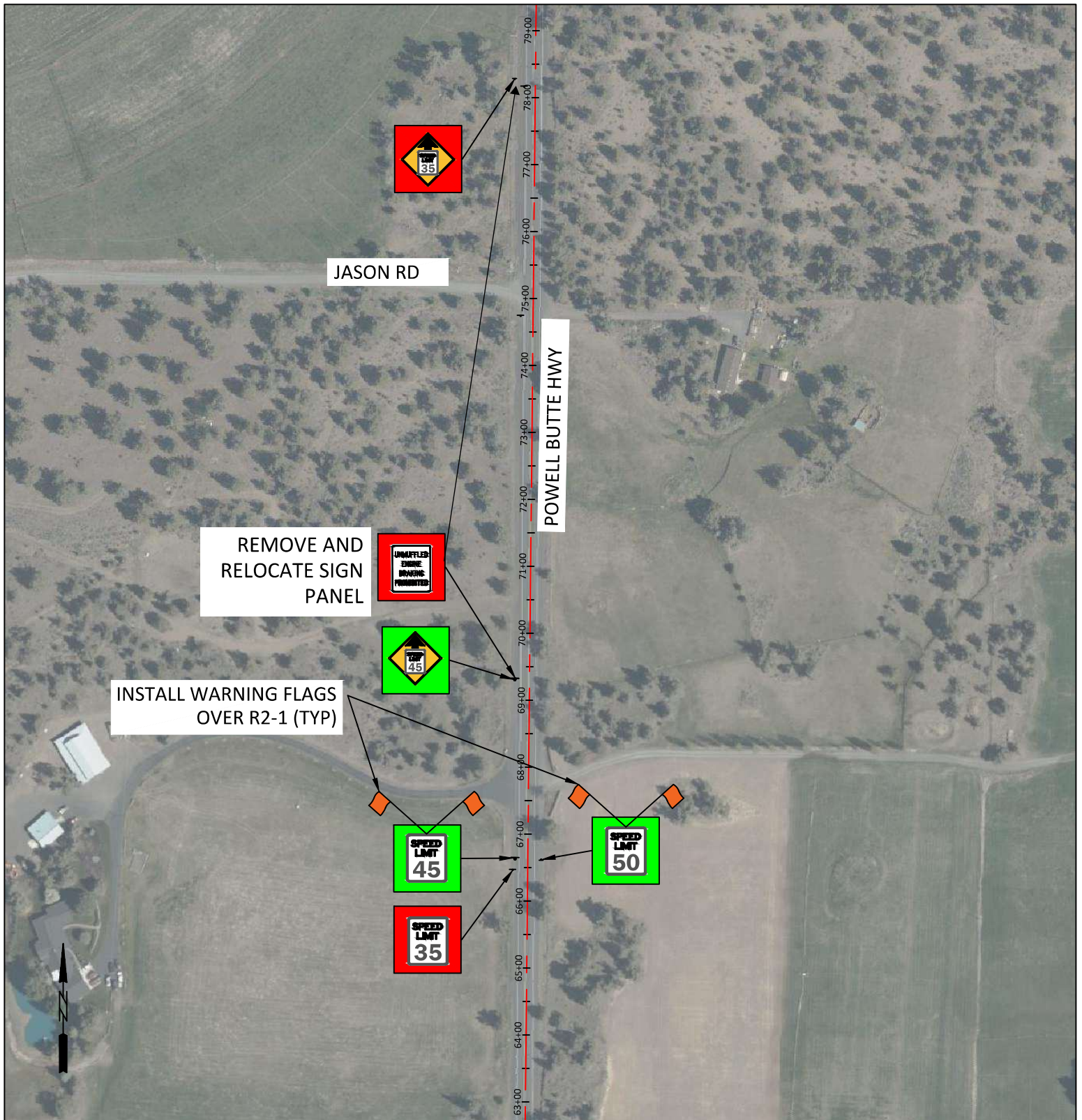
TITLE:
OLD BEND REDMOND HWY

PAGE NO:
8 OF 35

DATE:
10/28/25

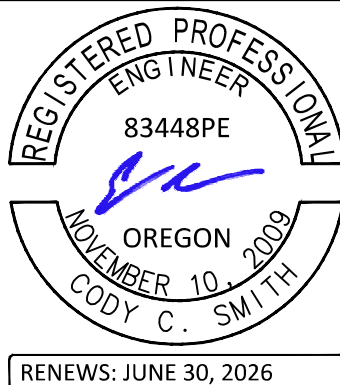
SCALE:
1"=200'

APPROVED BY:
C. SMITH



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGN

STA 0+00 = HWY 20 (STOP SIGN)
 STA 47+36 = RAB CENTER
 EP OFFSET: 10.0'



ROAD DEPARTMENT

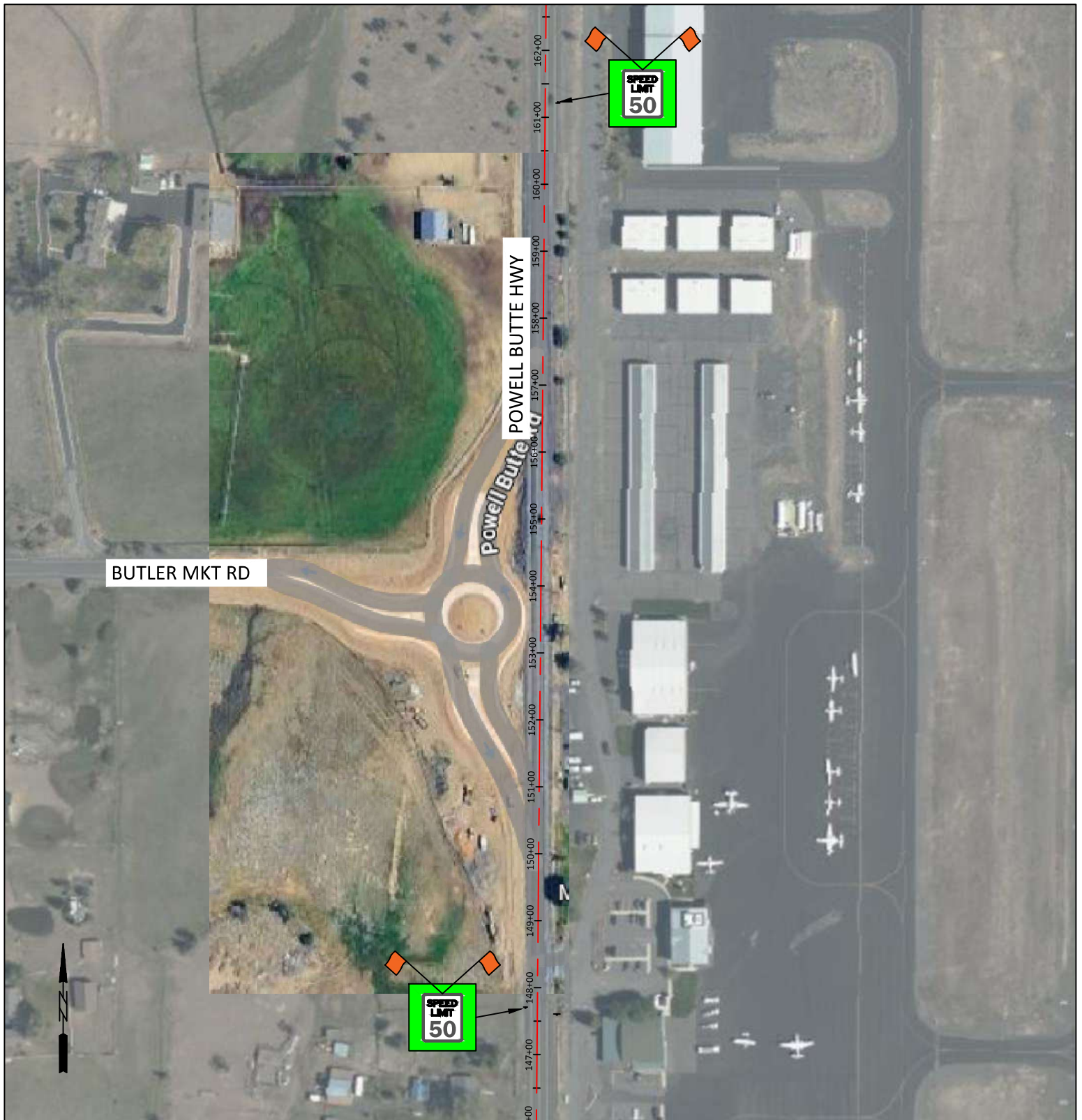
TITLE:
POWELL BUTTE HWY

PAGE NO:
9 OF 35

DATE:
10/28/25

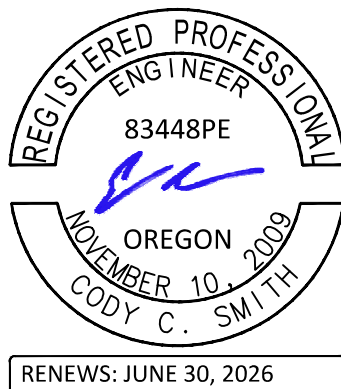
SCALE:
1"=200'

APPROVED BY:
C. SMITH



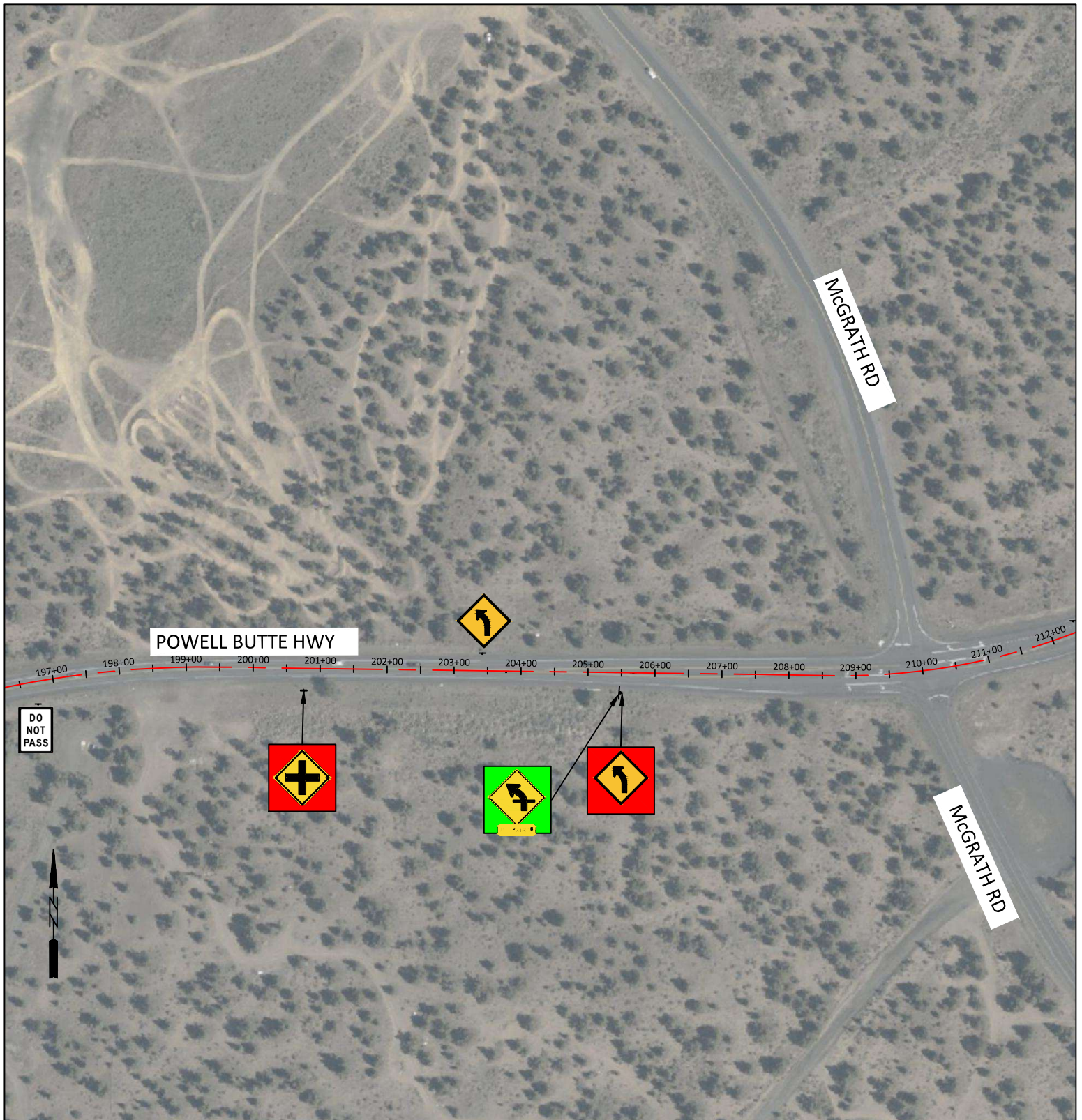
-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

STA 0+00 = HWY 20 (STOP SIGN)
 STA 47+36 = RAB CENTER
 EP OFFSET: 10.0'



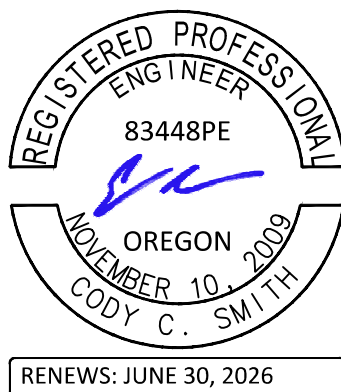
ROAD DEPARTMENT

TITLE: POWELL BUTTE HWY		PAGE NO: 10 OF 35
DATE: 10/28/25	SCALE: 1"=200'	APPROVED BY: C. SMITH



-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

STA 0+00 = HWY 20 (STOP SIGN)
 STA 210+00= McGrath (CENTERLINE)
 EP OFFSET: 10.0'



**ROAD
DEPARTMENT**

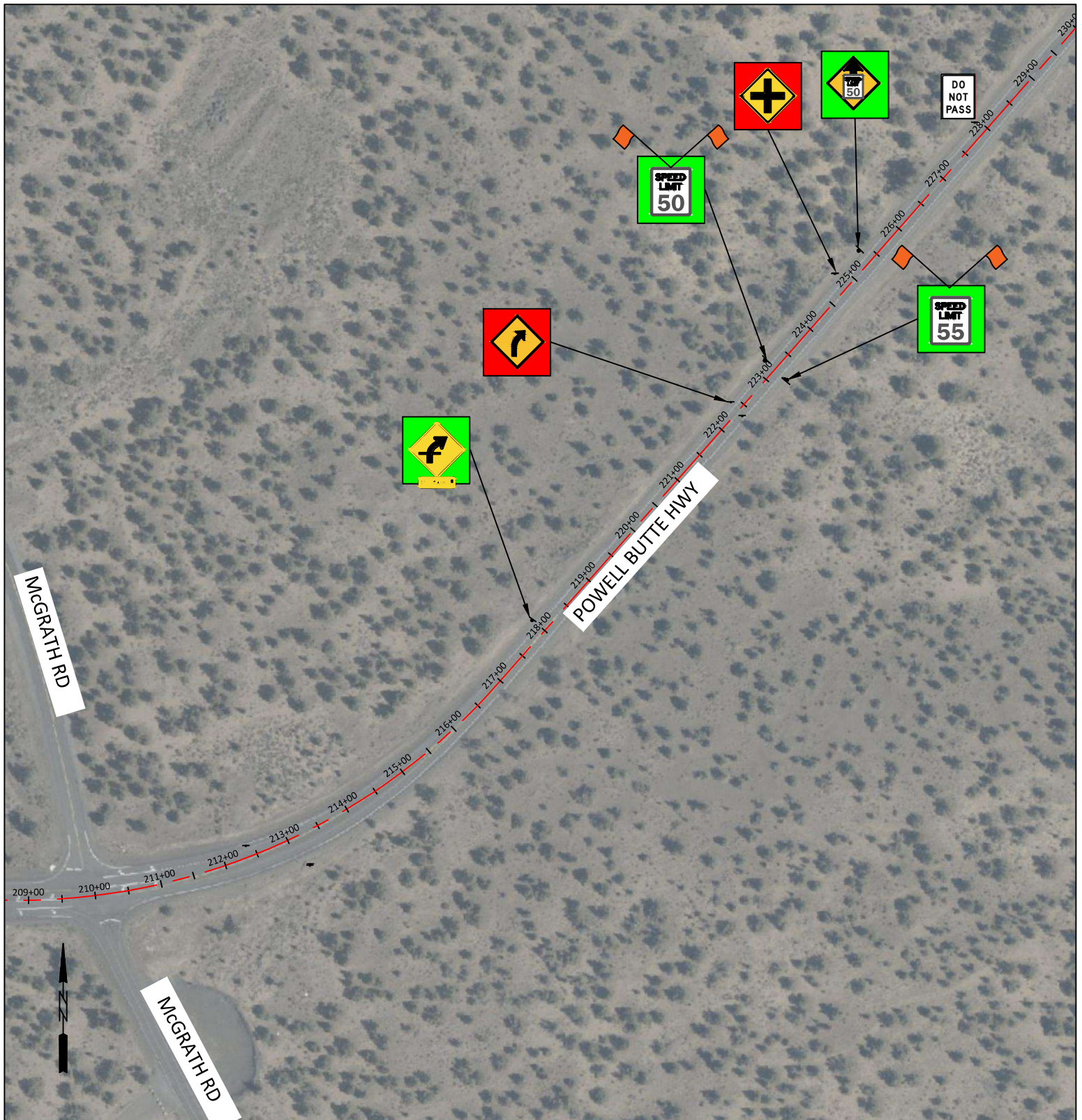
TITLE:
POWELL BUTTE HWY

PAGE NO:
11 OF 35

DATE:
10/28/25

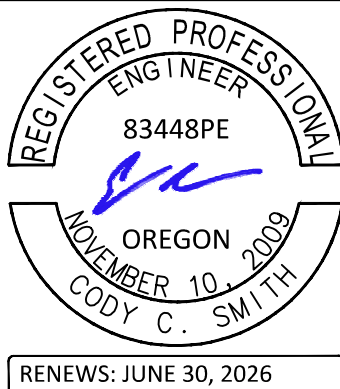
SCALE:
1"=200'

APPROVED BY:
C. SMITH



-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

STA 0+00 = HWY 20 (STOP SIGN)
 STA 210+00= McGrath (CENTERLINE)
 EP OFFSET: 10.0'



ROAD DEPARTMENT

TITLE:
POWELL BUTTE HWY

PAGE NO:
12 OF 35

DATE:
10/28/25

SCALE:
1"=200'

APPROVED BY:
C. SMITH

**SIGN POST DATA TABLE:
POWELL BUTTE HWY, S CANAL BLVD,
OLD BEND-REDMOND HWY**

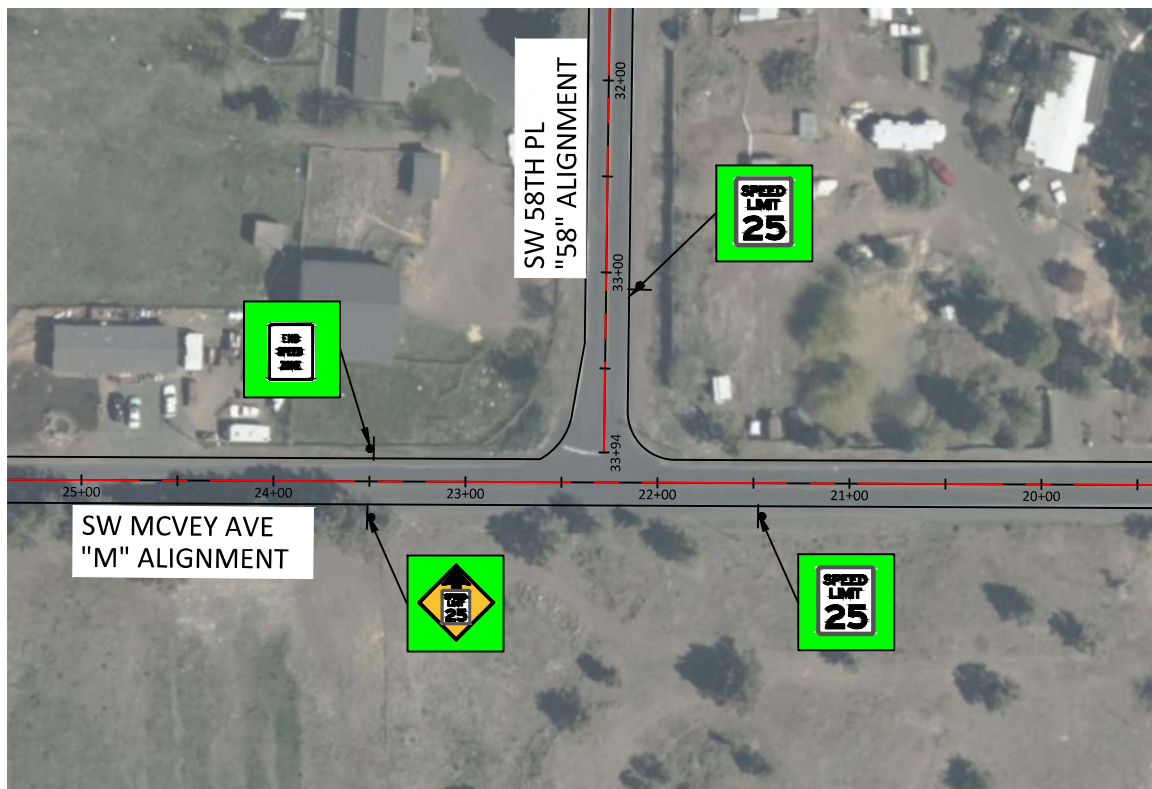
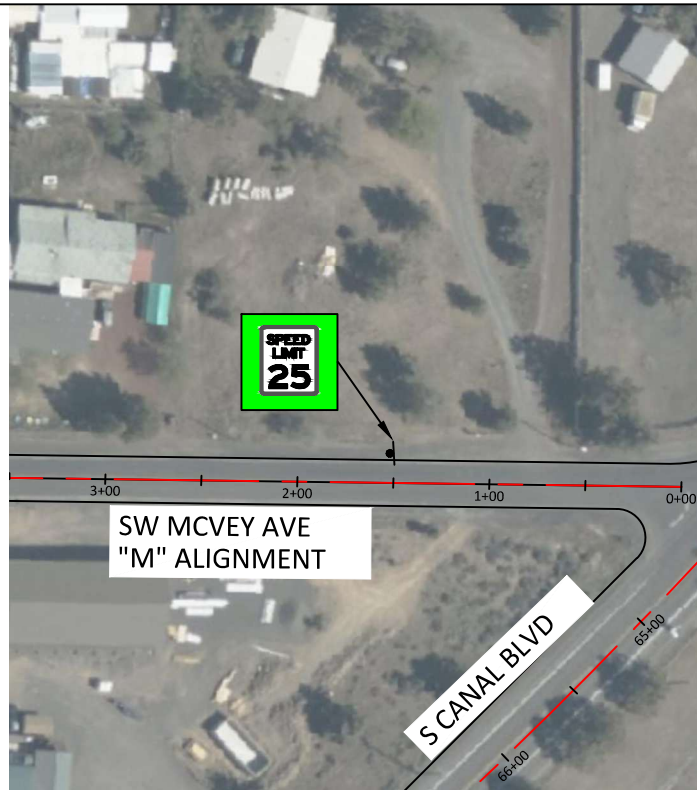
SIGN TYPE	SIGN LOCATION	DIMENSIONS		COLOR		SUPPORT TYPE			FOOTING	REMARKS	POST	
		WIDTH, INCHES	HEIGHT, INCHES	BACK- GROUND	LEGEND	WOOD POST	TUBE, ANCHOR BASE	PERF. SQ. TUBE, SLIP BASE	EP OFFSET, FEET		SIZE	LENGTH, FEET
POWELL BUTTE HWY												
R2-1-25	"P" 66+62 LT.	30	36	W	BK		X		10		2" - 10 GA	10
R2-1-50	"P" 66+62 RT.	30	36	W	BK		X		10		2" - 10 GA	10
W3-5-45	"P" 69+30 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
R2-1-50	"P" 147+70 LT.	30	36	W	BK		X		10		2" - 10 GA	10
R2-1-50	"P" 161+22 RT.	30	36	W	BK		X		10		2" - 10 GA	10
W1-10a	"P" 205+48 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W16-8	"P" 205+48 RT.	18	6	Y	BK					UNDER W1-10a "McGRATH RD"		
W1-10a	"P" 217+99 LT.	30	30	Y	BK		X		10		2" - 10 GA	12
W16-8	"P" 217+99 LT.	18	6	Y	BK					UNDER W1-10a "McGRATH RD"		
R2-1-50	"P" 223+20 LT.	30	36	W	BK	X			10		4X6	16
R2-1-50	"P" 223+20 RT.	30	36	W	BK	X			10		4X6	16
W3-5-50	"P" 225+35 LT.	30	30	Y	BK		X				2" - 10 GA	12
S. CANAL BLVD												
R2-1-50	"C" 2+95 RT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"C" 42+32 RT.	30	36	W	BK	X			11		4X6	16
R2-1-50	"C" 43+96 LT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"C" 54+61 RT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"C" 61+92 LT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"C" 66+03 RT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"C" 107+21 LT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"C" 112+37 RT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"C" 173+27 RT.	30	36	W	BK	X			11		4X6	16
R2-1-50	"C" 173+27 LT.	30	36	W	BK		X		11		2" - 10 GA	10

**SIGN POST DATA TABLE:
POWELL BUTTE HWY, S CANAL BLVD,
OLD BEND-REDMOND HWY**

SIGN TYPE	SIGN LOCATION	DIMENSIONS		COLOR		SUPPORT TYPE			FOOTING	REMARKS	POST	
		WIDTH, INCHES	HEIGHT, INCHES	BACK- GROUND	LEGEND	WOOD POST	TUBE, ANCHOR BASE	PERF. SQ. TUBE, SLIP BASE	EP OFFSET, FEET		SIZE	LENGTH, FEET
OLD BEND-REDMOND HWY												
R2-1-50	"OBR" 188+84 RT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"OBR" 188+84 LT.	30	36	W	BK	X			11		4X6	16
R2-1-50	"OBR" 231+49 LT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"OBR" 297+23 LT.	30	36	W	BK	X			11		4X6	16
R2-1-50	"OBR" 302+30 RT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"OBR" 351+05 LT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"OBR" 365+09 RT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"OBR" 402+77 RT.	30	36	W	BK	X			11		4X6	16
R2-1-50	"OBR" 402+77 LT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"OBR" 446+82 RT.	30	36	W	BK		X		11		2" - 10 GA	10
R2-1-50	"OBR" 458+16 LT.	30	36	W	BK	X			11		4X6	16
R2-1-50	"OBR" 515+74 LT.	30	36	W	BK		X		11		2" - 10 GA	10

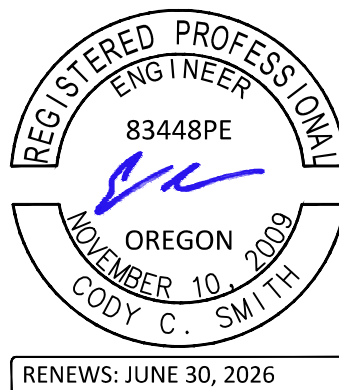
NOTES:

- 1) OFFSET DISTANCE IS RELATIVE TO EDGE OF TRAVEL LANE
- 2) SIGN LEGEND TO BE NON-REFLECTIVE UNLESS OTHERWISE DIRECTED
- 3) ALL SIGN PANELS TO BE STANDARD SHEETING, SHEET ALUMINUM
- 4) ALL POST LENGTHS SHALL BE FIELD VERIFIED PRIOR TO PROCURING MATERIALS
- 5) INSTALL WARNING FLAGS ABOVE SIGNS AS SHOWN



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGN

EP OFFSET: 9.0'



**ROAD
DEPARTMENT**

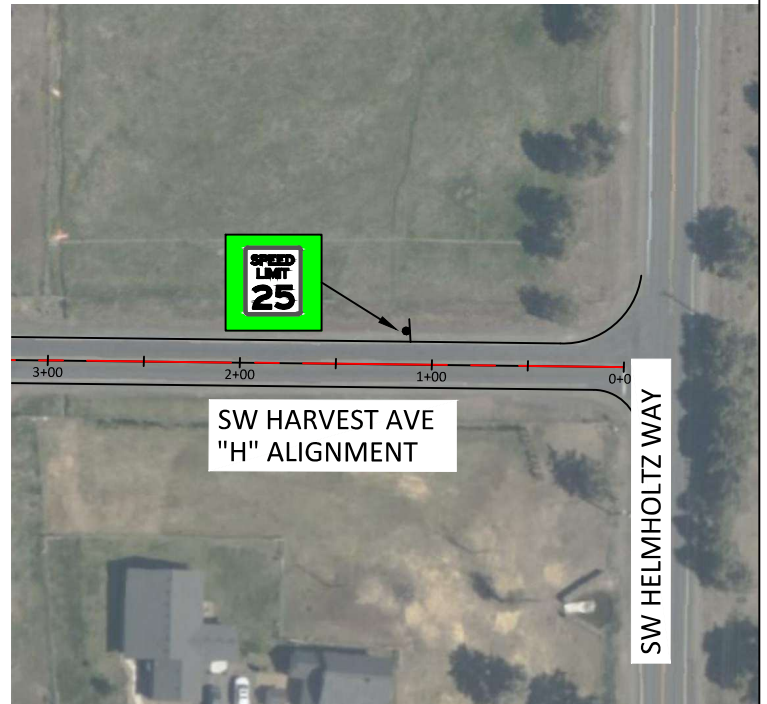
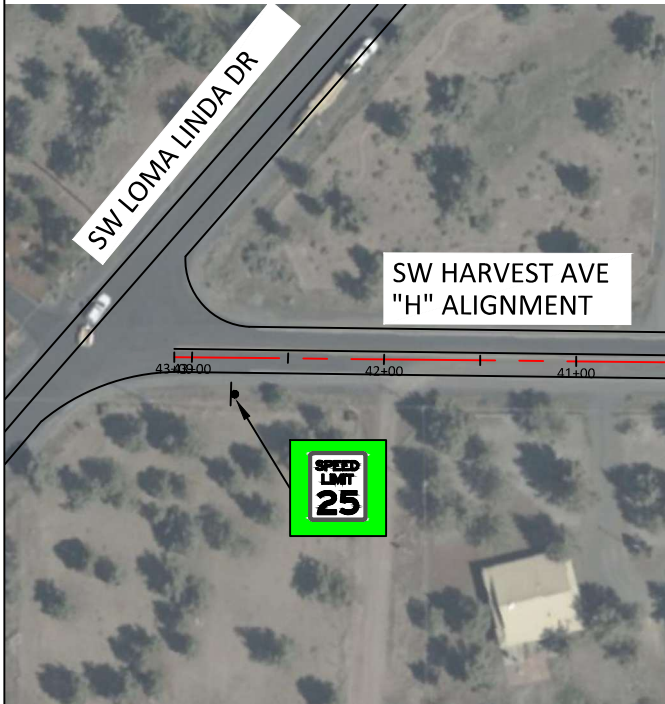
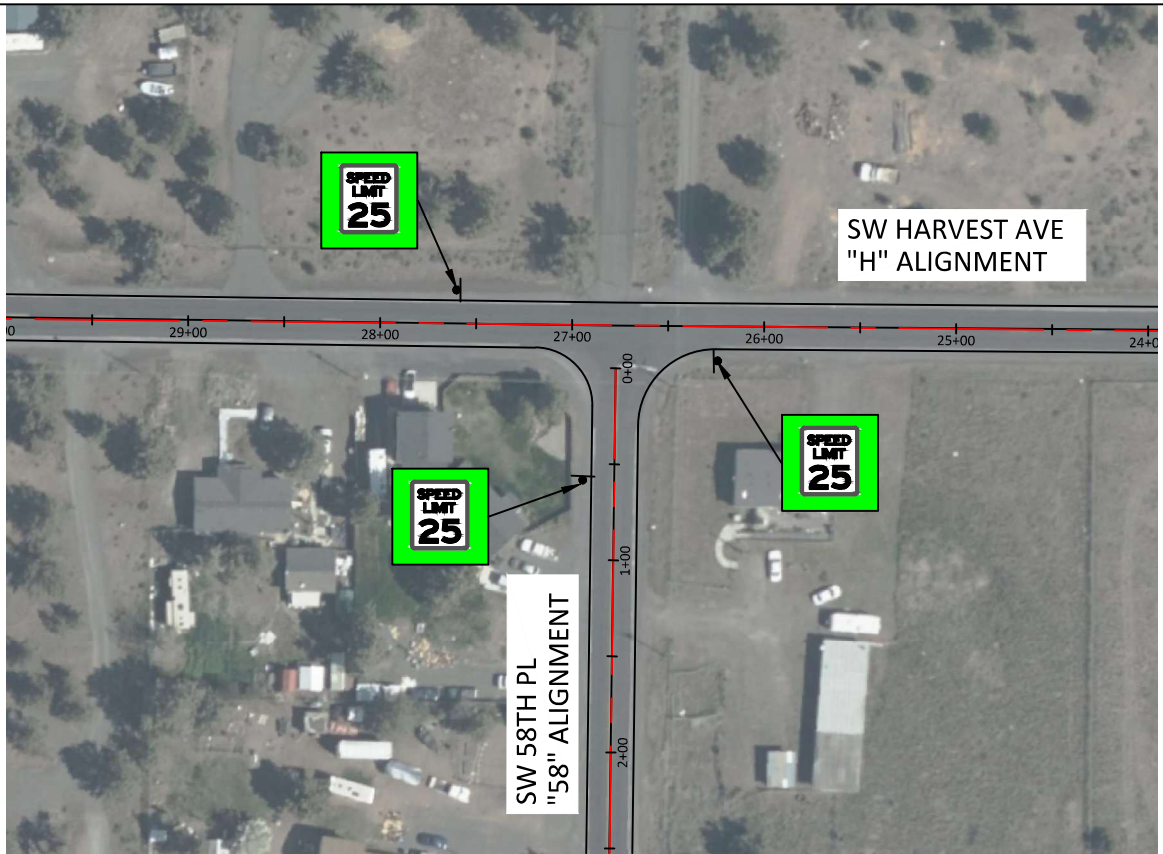
TITLE:
CHAPARRAL ESTATES:
SW McVey Ave

PAGE NO:
13 OF 35

DATE:
10/28/25

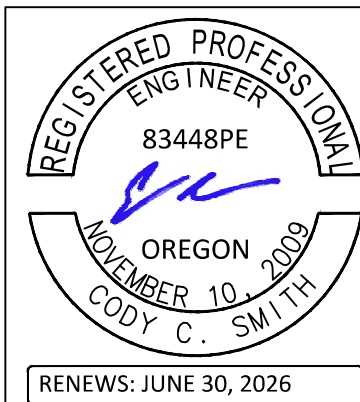
SCALE:
1"=100'

APPROVED BY:
C. SMITH



- SIGN LOCATION
- ◻ REMOVE EXISTING SIGN
- ◻ INSTALL NEW SIGN

EP OFFSET: 9.0'



ROAD
DEPARTMENT

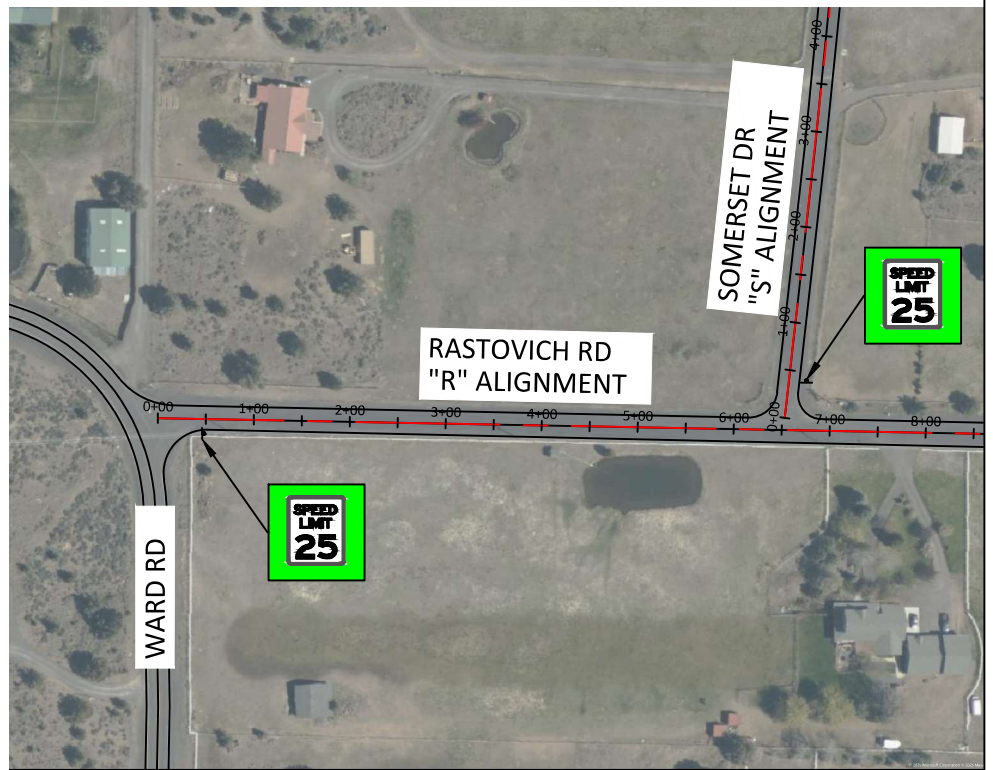
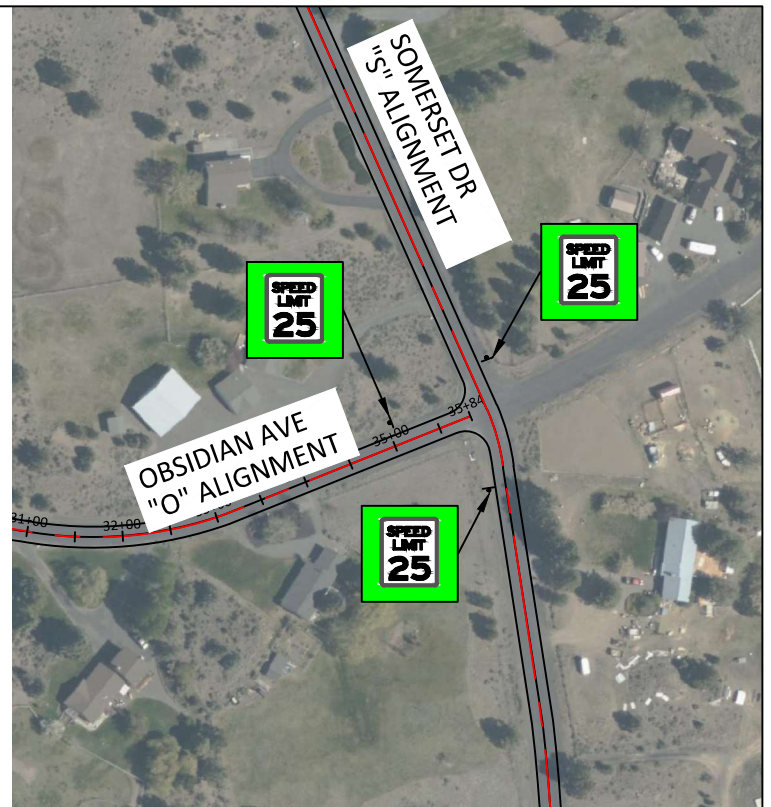
TITLE:
CHAPARRAL ESTATES:
SW Harvest Ave

PAGE NO:
14 OF 35

DATE:
10/28/25

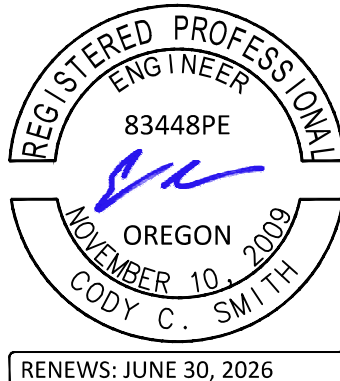
SCALE:
1"=100'

APPROVED BY:
C. SMITH



-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

EP OFFSET: 9.0'



**ROAD
DEPARTMENT**

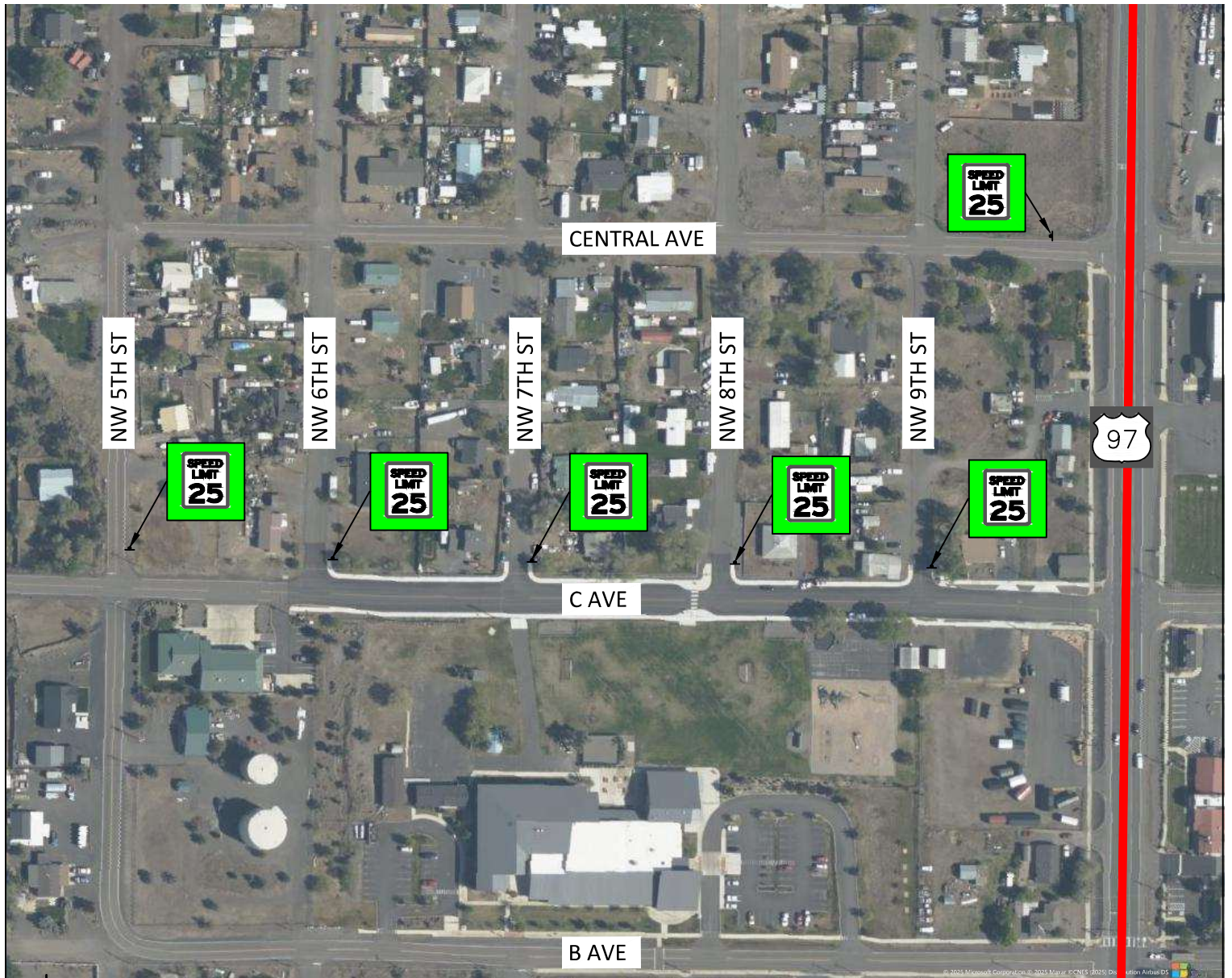
TITLE:
SOMERSET SUBDIVISION

PAGE NO:
15 OF 35

DATE:
10/28/25

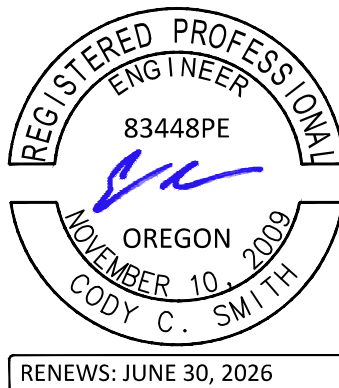
SCALE:
1"=200'

APPROVED BY:
C. SMITH



-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

STATION: NEAREST STOP SIGN
EP OFFSET: 9.0'



**ROAD
DEPARTMENT**

TITLE: TERREBONNE		PAGE NO: 16 OF 35
DATE: 10/28/25	SCALE: 1"=200'	APPROVED BY: C. SMITH

**SIGN POST DATA TABLE:
LOCAL ROADWAYS**

SIGN TYPE	SIGN LOCATION	DIMENSIONS		COLOR		SUPPORT TYPE			FOOTING FEET	REMARKS	POST		
		WIDTH, INCHES	HEIGHT, INCHES	BACK- GROUND	LEGEND	WOOD POST	PERF. SQ. TUBE, ANCHOR BASE	PERF. SQ. TUBE, SLIP BASE			SIZE	LENGTH, FEET	MIN. DEPTH, FEET
CHAPARRAL ESTATES - SW MCVEY AVE, SW HARVEST AVE, SW 58TH PL													
R2-1-25	"M" 1+52 RT.	24	30	W	BK	X			10		4X4	14	4
R2-1-25	"M" 21+45 LT.	24	30	W	BK	X			10		4X4	14	4
W3-5-25	"M" 23+50 LT.	30	30	Y	BK	X			10		4X4	14	4
OR2-6a	"M" 23+50 RT.	24	30	W	BK	X			10		4X4	14	4
R2-1-25	"58" 33+07 LT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"58" 00+58 RT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"H" 1+13 RT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"H" 26+24 LT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"H" 27+60 RT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"H" 42+80 RT.	24	30	W	BK	X			9		4X4	14	4
TERREBONNE AREA - NW 5TH ST, NW 6TH ST, NW 7TH ST, NW 8TH ST, NW 9TH ST													
R2-1-25	"T" 0+65 RT.	24	30	W	BK	X			9	CENTRAL AVE	4X4	14	4
R2-1-25	"T" 0+30 RT.	24	30	W	BK	X			9	5TH ST	4X4	14	4
R2-1-25	"T" 0+30 RT.	24	30	W	BK	X			9	6TH ST	4X4	14	4
R2-1-25	"T" 0+30 RT.	24	30	W	BK	X			9	7TH ST	4X4	14	4
R2-1-25	"T" 0+30 RT.	24	30	W	BK	X			9	8TH ST	4X4	14	4
R2-1-25	"T" 0+30 RT.	24	30	W	BK	X			9	9TH ST	4X4	14	4
SOMERSET - OBSIDIAN AVE, SOMERSET DR, RASTOVICH RD													
R2-1-25	"O" 0+55 RT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"O" 35+04 LT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"S" 0+41 RT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"S" 17+46 LT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"S" 18+80 RT.	24	30	W	BK	X			9		4X4	14	4
R2-1-25	"R" 0+48 RT.	24	30	W	BK	X			9		4X4	14	4

NOTES:

- 1) OFFSET DISTANCE IS RELATIVE TO EDGE OF TRAVEL LANE
- 2) SIGN LEGEND TO BE NON-REFLECTIVE UNLESS OTHERWISE DIRECTED
- 3) ALL SIGN PANELS TO BE STANDARD SHEETING, SHEET ALUMINUM
- 4) ALL NEW R2-1 SIGNS SHALL HAVE 2 ORANGE FLAGS ABOVE THE REGULATORY SIGN
- 5) ALL POST LENGTHS SHALL BE FIELD VERIFIED PRIOR TO PROCURING MATERIALS





-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGNS

STA 0+00 = HWY 20 (CENTERLINE)
 CENTERLINE OFFSET: 22.0'

REGISTERED PROFESSIONAL
 ENGINEER
 83448PE

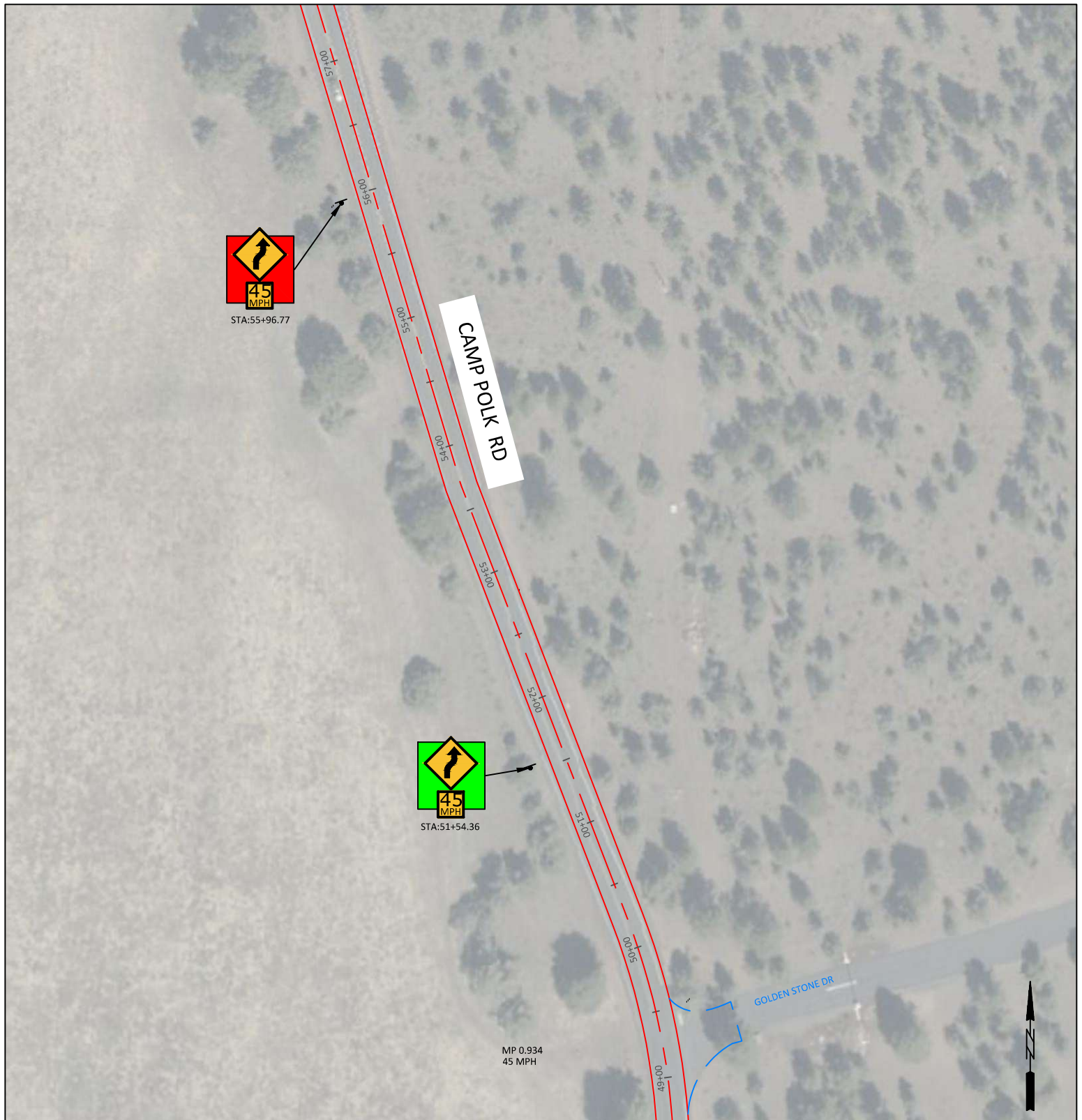
 OREGON
 NOVEMBER 10, 2009
 CODY C. SMITH
 RENEWS: JUNE 30, 2026



DESCHUTES COUNTY

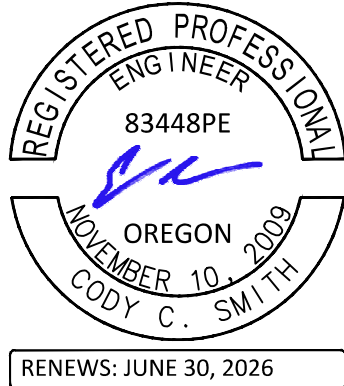
ROAD DEPARTMENT

TITLE: CAMP POLK RD		PAGE NO: 17 OF 35
DATE: 10/28/25	SCALE: 1"=100'	APPROVED BY: C. SMITH



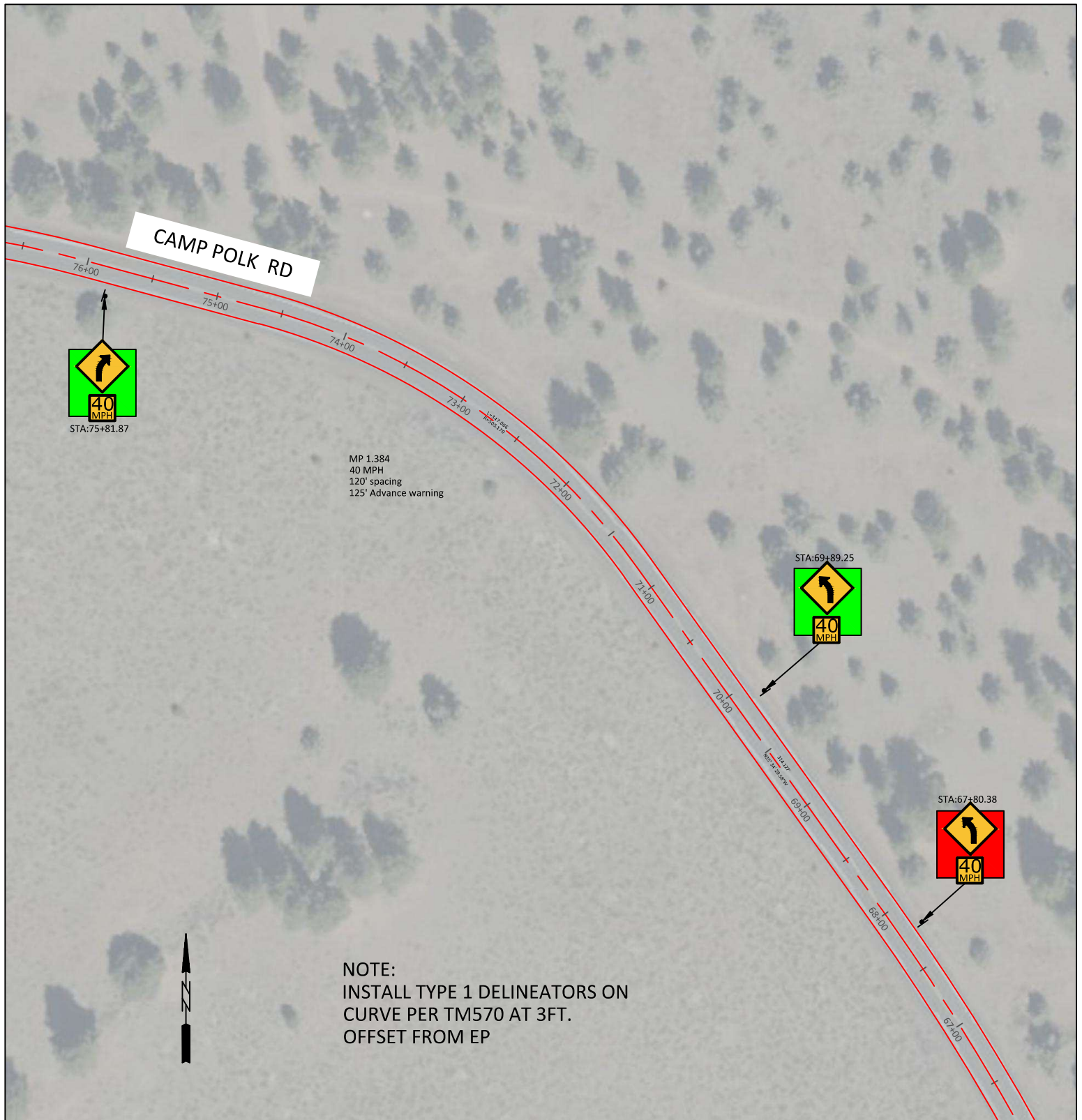
-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGNS

STA 0+00 = HWY 20
 CENTERLINE OFFSET: 22.0'



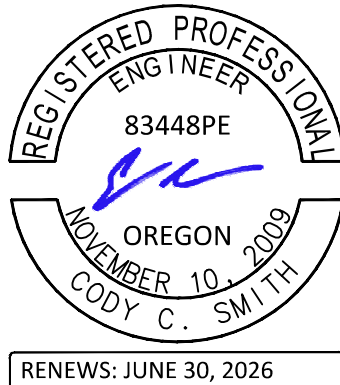
ROAD DEPARTMENT

TITLE: CAMP POLK RD		PAGE NO: 18 OF 35
DATE: 10/28/25	SCALE: 1"=100'	APPROVED BY: C. SMITH



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGNS

STA 0+00 = HWY 20
 CENTERLINE OFFSET: 22.0'



ROAD DEPARTMENT

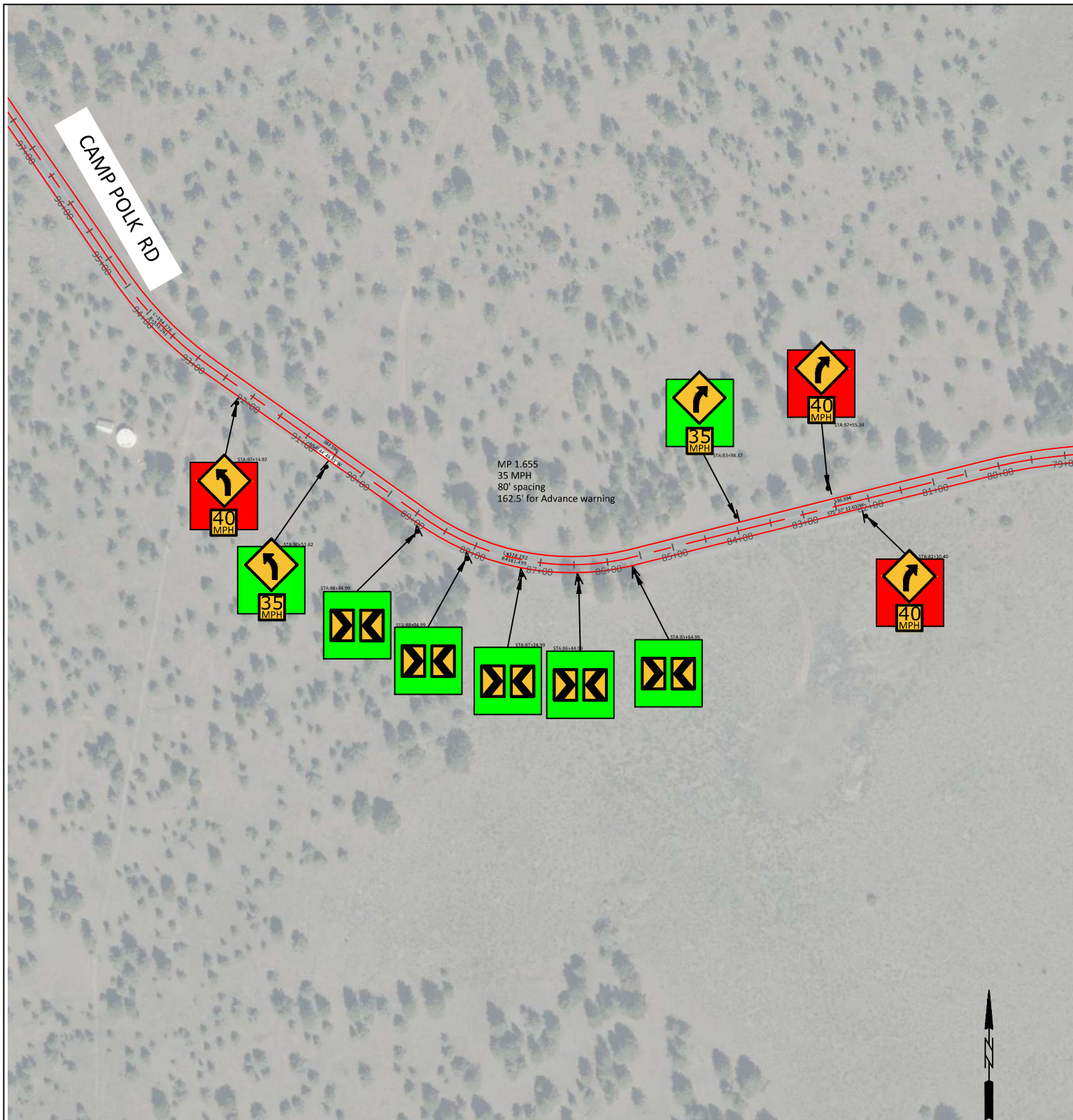
TITLE:
CAMP POLK RD

PAGE NO:
19 OF 35

DATE:
1/12/23

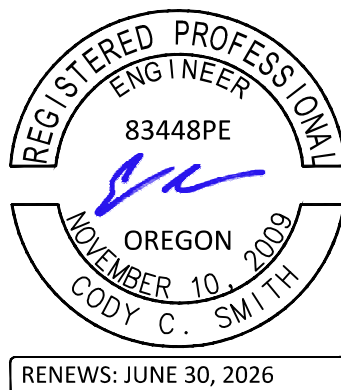
SCALE:
1"=100'

APPROVED BY:
C. SMITH



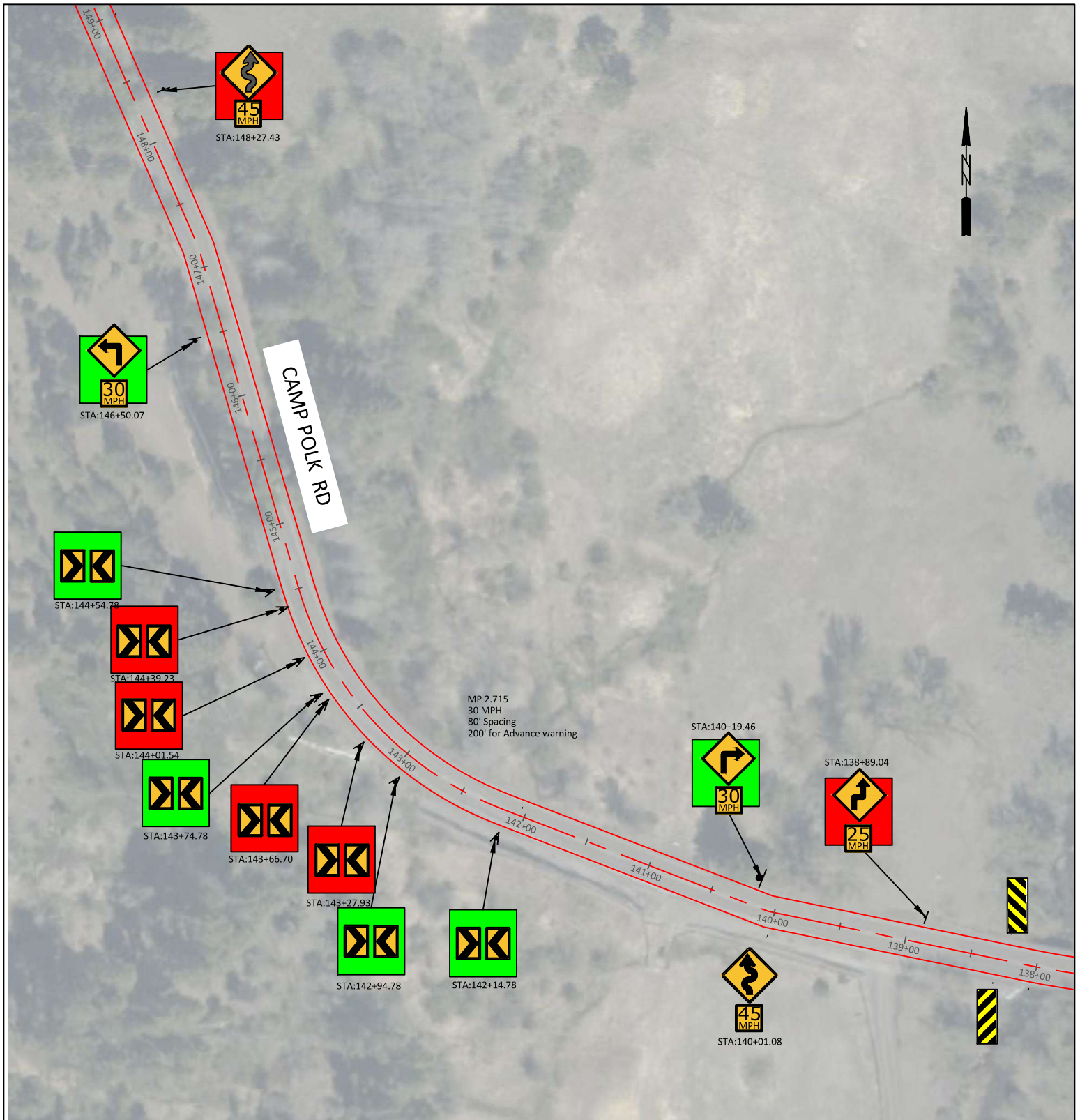
- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGNS

STA 0+00 = HWY 20
CENTERLINE OFFSET: 22.0'



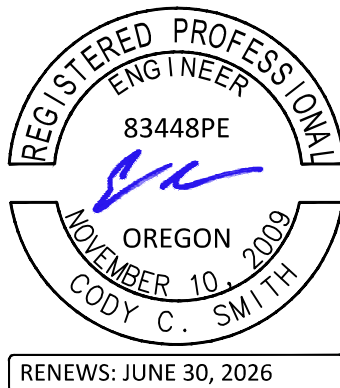
ROAD DEPARTMENT

TITLE: CAMP POLK RD		PAGE NO: 20 OF 35
DATE: 10/28/25	SCALE: 1"=200'	APPROVED BY: C. SMITH



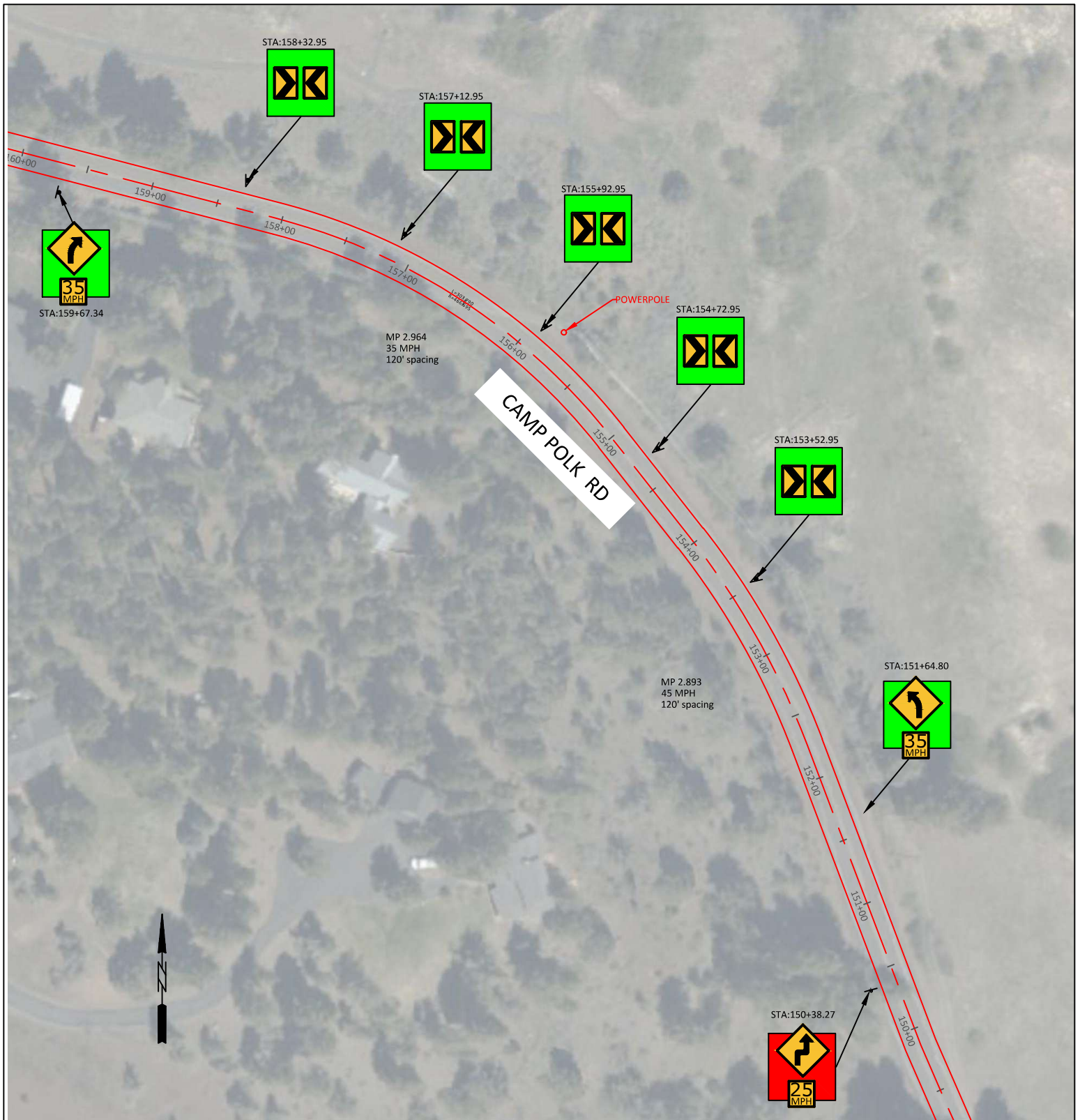
- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGNS

STA 0+00 = HWY 20
CENTERLINE OFFSET: 22.0'

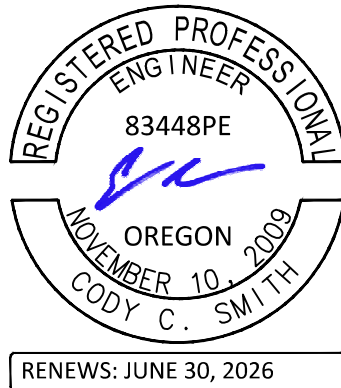


ROAD DEPARTMENT

TITLE: CAMP POLK RD		PAGE NO: 21 OF 35
DATE: 10/28/25	SCALE: 1"=100'	APPROVED BY: C. SMITH

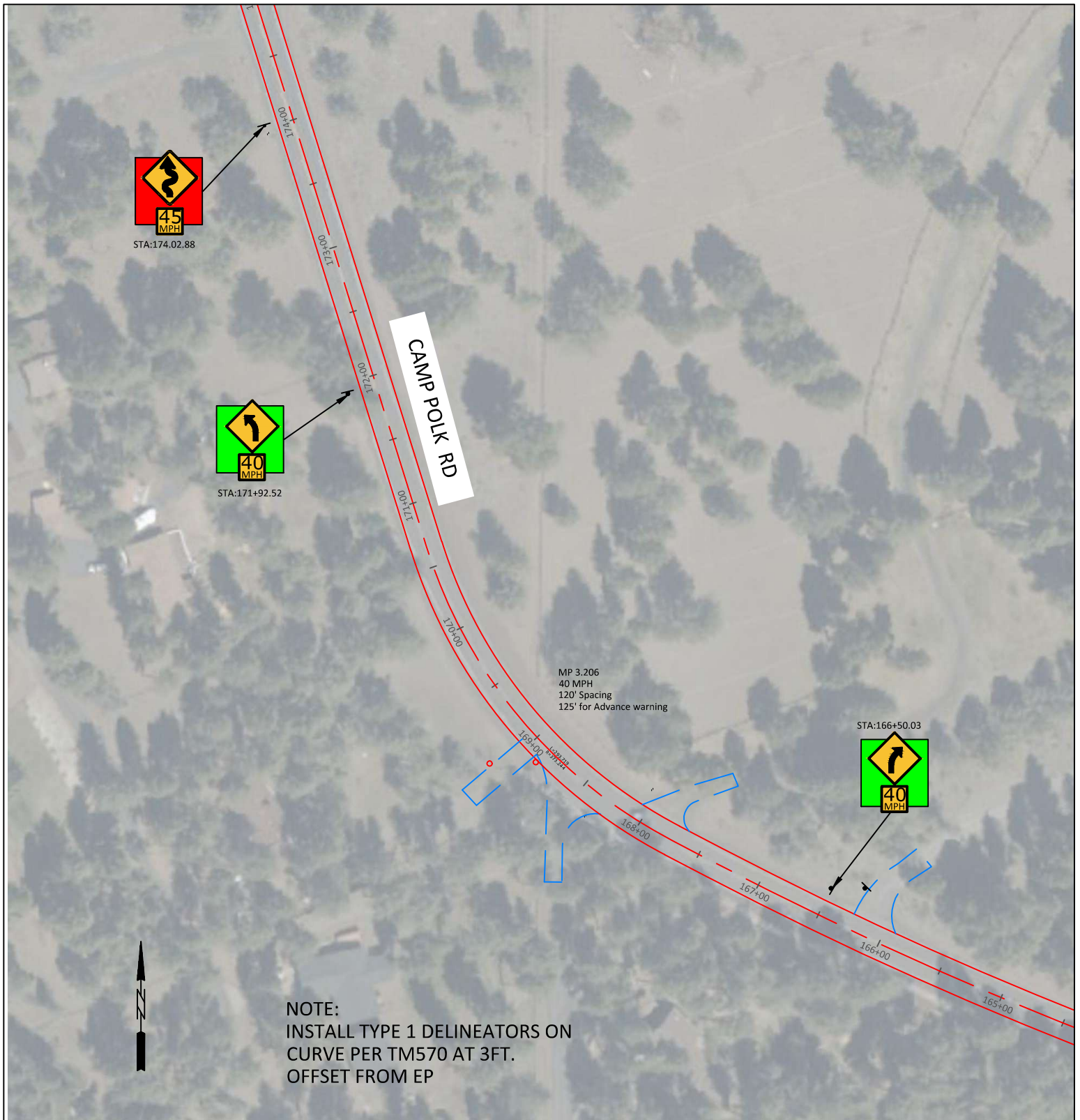


- SIGN LOCATION
 - REMOVE EXISTING SIGN
 - INSTALL NEW SIGNS
- STA 0+00 = HWY 20
CENTERLINE OFFSET: 22.0'



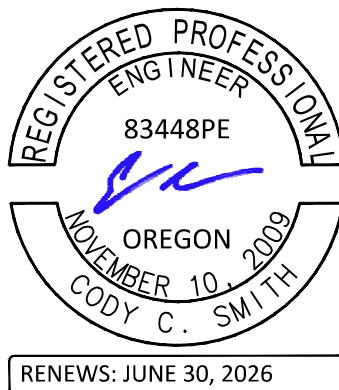
ROAD DEPARTMENT

TITLE: CAMP POLK RD		PAGE NO: 22 OF 35
DATE: 10/28/25	SCALE: 1"=100'	APPROVED BY: C. SMITH



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGNS

STA 0+00 = HWY 20
CENTERLINE OFFSET: 22.0'



ROAD DEPARTMENT

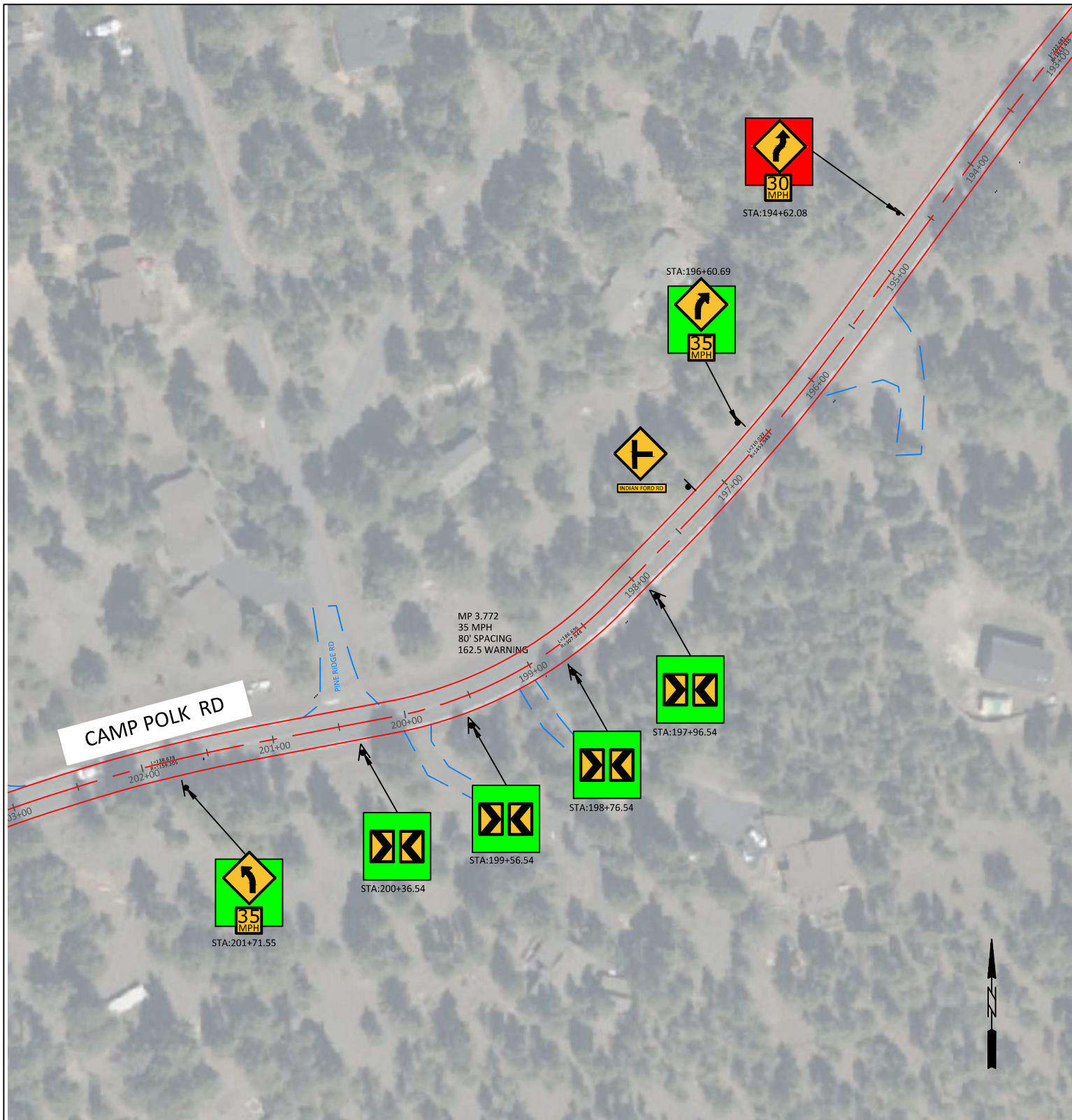
TITLE:
CAMP POLK RD

PAGE NO:
23 OF 35

DATE:
10/28/25

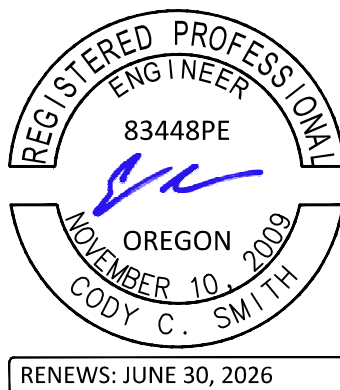
SCALE:
1"=100'

APPROVED BY:
C. SMITH



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGNS

STA 0+00 = HWY 20
CENTERLINE OFFSET: 22.0'



ROAD DEPARTMENT

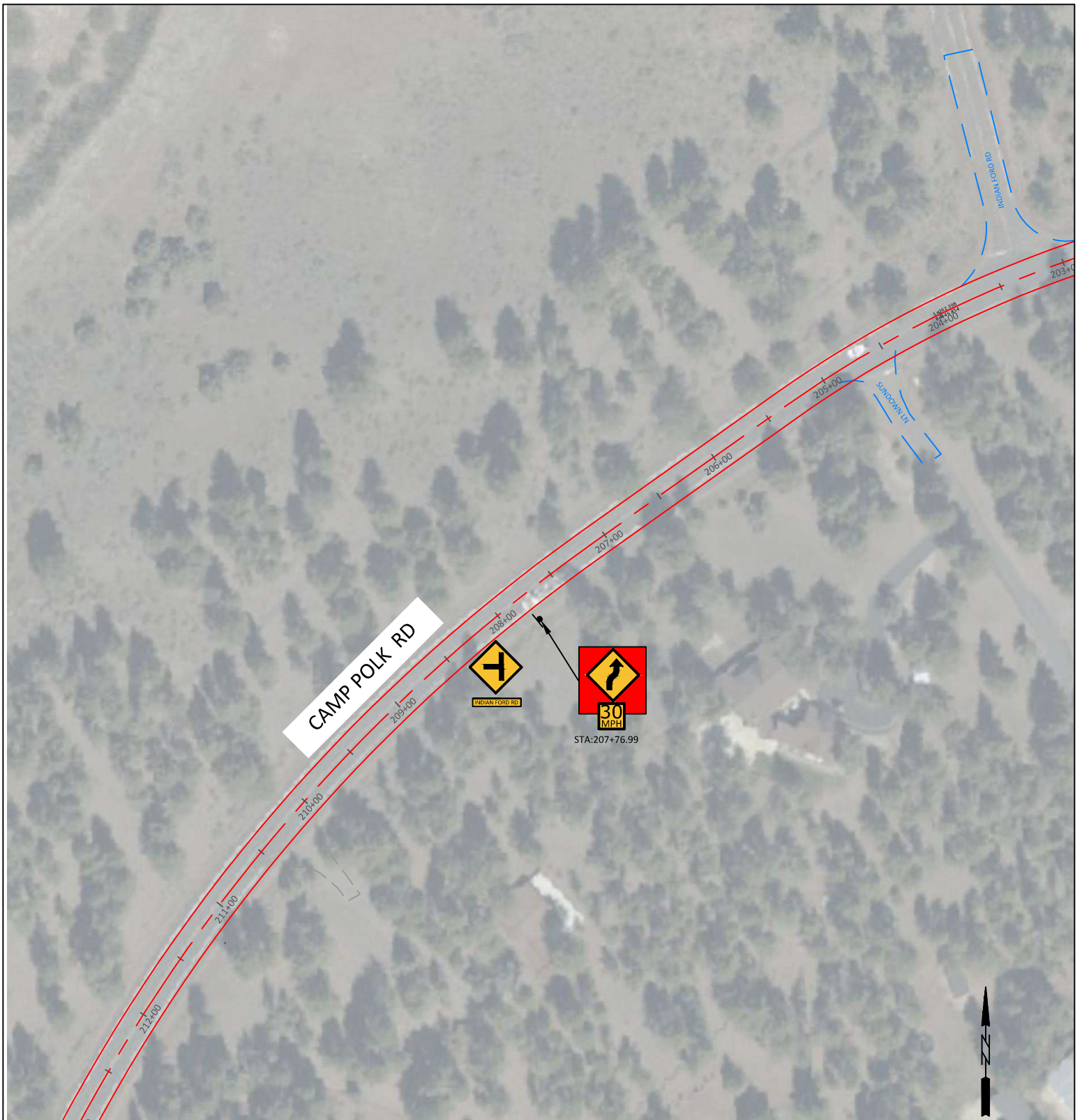
TITLE:
CAMP POLK RD

PAGE NO:
24 OF 35

DATE:
10/25/28

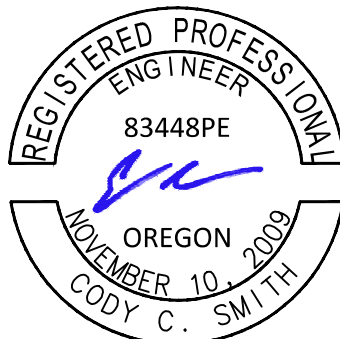
SCALE:
1"=100'

APPROVED BY:
C. SMITH



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGNS

STA 0+00 = HWY 20
CENTERLINE OFFSET: 22.0'



RENEWS: JUNE 30, 2026



**ROAD
DEPARTMENT**

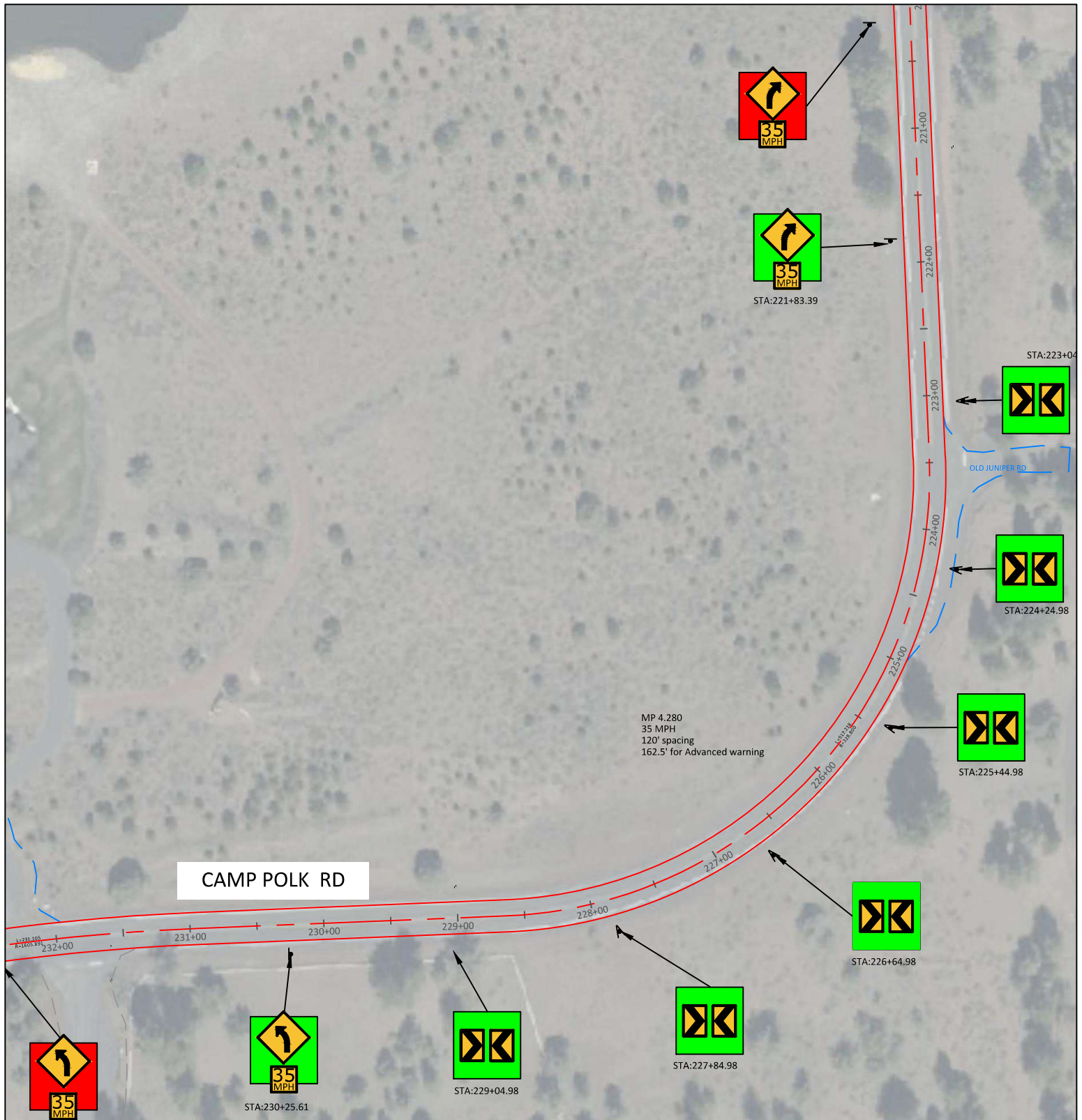
TITLE:
CAMP POLK RD

PAGE NO:
25 OF 35

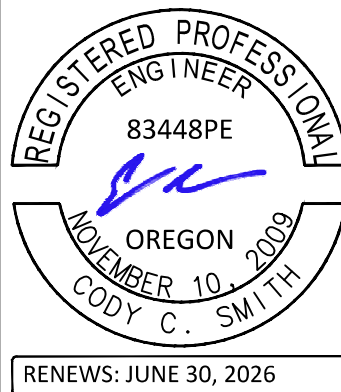
DATE:
10/28/25

SCALE:
1"=100'

APPROVED BY:
C. SMITH

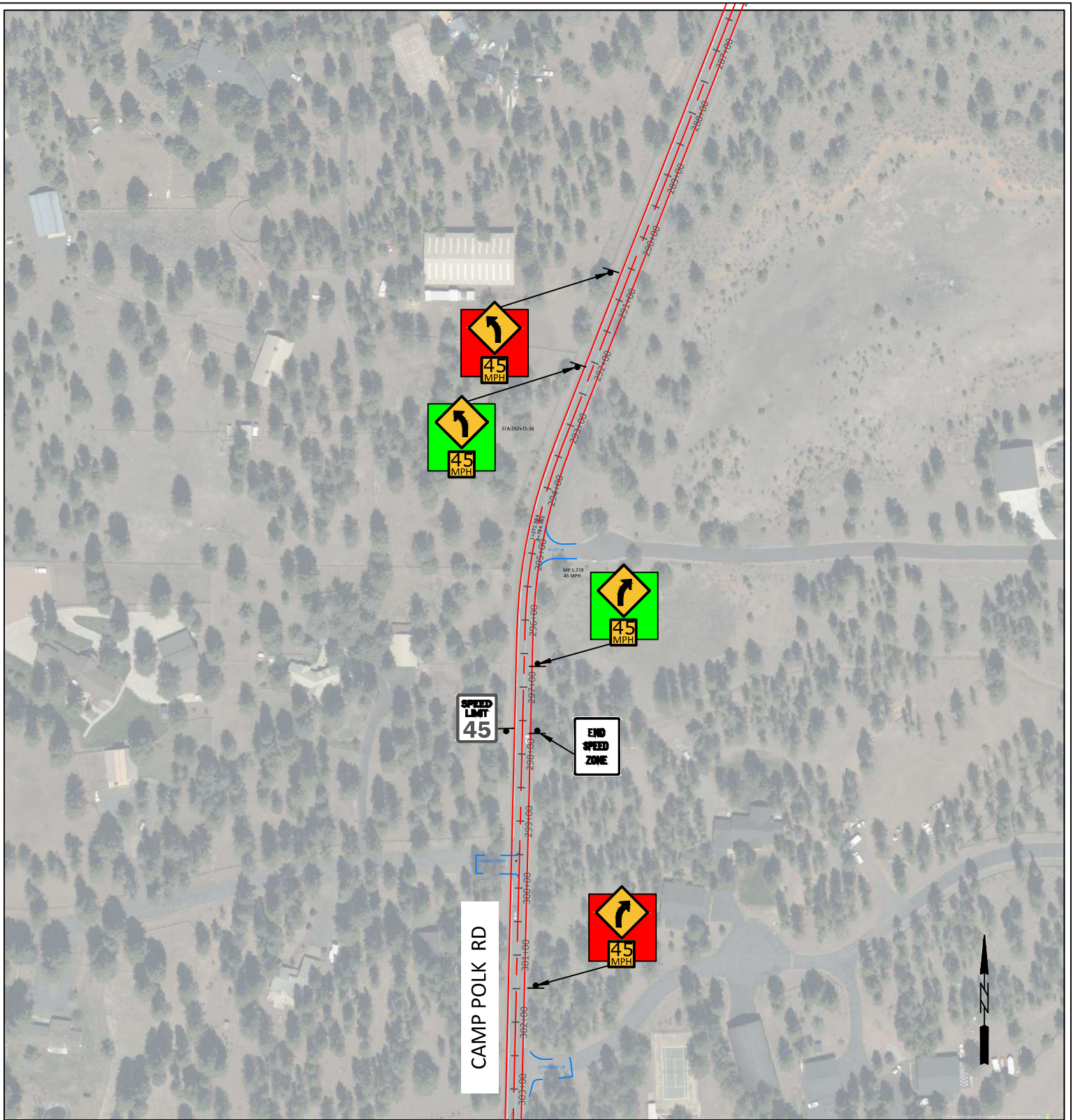


- SIGN LOCATION
 - REMOVE EXISTING SIGN
 - INSTALL NEW SIGNS
- STA 0+00 = HWY 20
CENTERLINE OFFSET: 22.0'



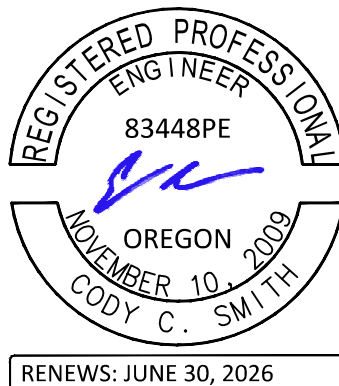
ROAD DEPARTMENT

TITLE: CAMP POLK RD		PAGE NO: 26 OF 35
DATE: 10/28/25	SCALE: 1"=100'	APPROVED BY: C. SMITH



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGNS

STA 0+00 = HWY 20
CENTERLINE OFFSET: 22.0'



ROAD DEPARTMENT

TITLE: CAMP POLK RD		PAGE NO: 27 OF 35
DATE: 10/28/25	SCALE: 1"=200'	APPROVED BY: C. SMITH

**SIGN POST DATA TABLE:
CAMP POLK RD**

SIGN TYPE	SIGN LOCATION	DIMENSIONS		COLOR		SUPPORT TYPE			FOOTING FEET	REMARKS	POST	
		WIDTH, INCHES	HEIGHT, INCHES	BACK- GROUND	LEGEND	WOOD POST	PERF. SQ. TUBE, ANCHOR BASE	PERF. SQ. TUBE, SLIP BASE			SIZE	LENGTH, FEET
W1-4R	38+47 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-45	38+47 RT.	18	18	Y	BK				10	UNDER		
W1-4R	51+54 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-45	51+54 LT.	18	18	Y	BK				10	UNDER		
W1-2L	69+89 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-40	69+89 RT.	18	18	Y	BK				10	UNDER		
W1-2R	75+82 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-40	75+82 LT.	18	18	Y	BK				10	UNDER		
W1-2R	83+98 RT.	30	30	Y	BK		X		10		2" - 10 GA	12
W13-1-35	83+98 RT.	18	18	Y	BK				10	UNDER		
W1-8L	85+65 LT.	18	24	Y	BK			X	10		2" - 10 GA	12
W1-8R	85+65 LT.	18	24	Y	BK				10			
W1-8L	86+45 LT.	18	24	Y	BK			X	10		2" - 10 GA	12
W1-8R	86+45 LT.	18	24	Y	BK				10			
W1-8L	87+25 LT.	18	24	Y	BK			X	10		2" - 10 GA	12
W1-8R	87+25 LT.	18	24	Y	BK				10			
W1-8L	88+05 LT.	18	24	Y	BK			X	10		2" - 10 GA	12
W1-8R	88+05 LT.	18	24	Y	BK				10			
W1-8L	88+85 LT.	18	24	Y	BK			X	10		2" - 10 GA	12
W1-8R	88+85 LT.	18	24	Y	BK				10			
W1-2L	90+52 LT.	30	30	Y	BK		X		10		2" - 10 GA	12
W13-1-35	90+52 LT.	18	18	Y	BK				10	UNDER		
W1-1R	140+19 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-30	140+19 RT.	18	18	Y	BK				10	UNDER		
W1-8L	142+15 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	142+15 LT.	18	24	Y	BK				10			
W1-8L	142+95 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	142+95 LT.	18	24	Y	BK				10			
W1-8L	143+75 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	143+75 LT.	18	24	Y	BK				10			
W1-8L	144+55 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	144+55 LT.	18	24	Y	BK				10			
W1-1L	146+50 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-30	146+50 LT.	18	18	Y	BK				10	UNDER		
W1-2L	151+65 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	151+65 RT.	18	18	Y	BK				10	UNDER		



**SIGN POST DATA TABLE:
CAMP POLK RD**

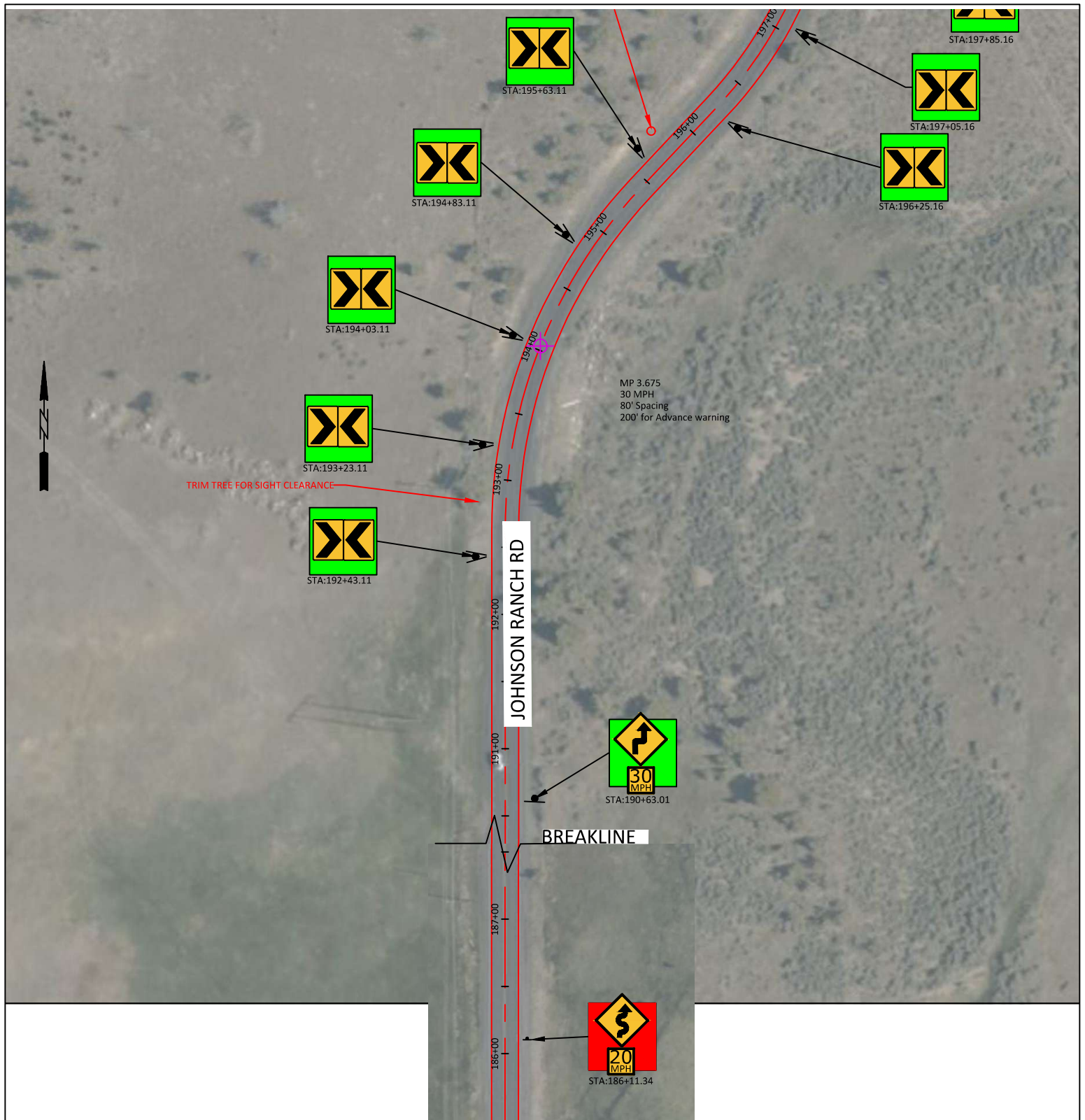
SIGN TYPE	SIGN LOCATION	DIMENSIONS		COLOR		SUPPORT TYPE			FOOTING FEET	REMARKS	POST	
		WIDTH, INCHES	HEIGHT, INCHES	BACK- GROUND	LEGEND	WOOD POST	PERF. SQ. TUBE, ANCHOR BASE	PERF. SQ. TUBE, SLIP BASE			SIZE	LENGTH, FEET
W1-8L	153+53 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	153+53 RT.	18	24	Y	BK				10			
W1-8L	154+73 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	154+73 RT.	18	24	Y	BK				10			
W1-8L	155+93 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	155+93 RT.	18	24	Y	BK				10			
W1-8L	157+13 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	157+13 RT.	18	24	Y	BK				10			
W1-8L	158+33 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	158+33 RT.	18	24	Y	BK				10			
W1-2R	159+67 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	159+67 LT.	18	18	Y	BK				10	UNDER		
W1-2R	166+50 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-40	166+50 RT.	18	18	Y	BK				10	UNDER		
W1-2L	171+93 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-40	171+93 LT.	18	18	Y	BK				10	UNDER		
W1-2R	196+61 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	196+61 RT.	18	18	Y	BK				10	UNDER		
W1-8L	197+97 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	197+97 LT.	18	24	Y	BK				10			
W1-8L	198+77 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	198+77 LT.	18	24	Y	BK				10			
W1-8L	199+57 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	199+57 LT.	18	24	Y	BK				10			
W1-8L	200+37 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	200+37 LT.	18	24	Y	BK				10			
W1-2L	201+72 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	201+72 LT.	18	18	Y	BK				10	UNDER		
W1-2R	221+83 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	221+83 RT.	18	18	Y	BK				10	UNDER		
W1-8L	223+05 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	223+05 LT.	18	24	Y	BK				10			
W1-8L	224+25 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	224+25 LT.	18	24	Y	BK				10			
W1-8L	225+45 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	225+45 LT.	18	24	Y	BK				10			

**SIGN POST DATA TABLE:
CAMP POLK RD**

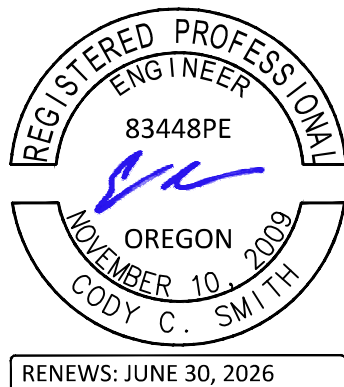
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		WIDTH, INCHES	HEIGHT, INCHES	BACK- GROUND	LEGEND	WOOD POST	PERF. SQ. TUBE, ANCHOR BASE	PERF. SQ. TUBE, SLIP BASE			SIZE	LENGTH, FEET
W1-8L	226+65 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	226+65 LT.	18	24	Y	BK				10			
W1-8L	227+85 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	227+85 LT.	18	24	Y	BK				10			
W1-8L	229+05 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	229+05 LT.	18	24	Y	BK				10			
W1-2L	230+26 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	230+26 LT.	18	18	Y	BK				10	UNDER		
W1-2L	292+15 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-45	292+15 RT.	18	18	Y	BK				10	UNDER		
W1-2R	296+65 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-45	296+65 LT.	18	18	Y	BK				10	UNDER		

NOTES:

- 1) OFFSET DISTANCE IS RELATIVE TO EDGE OF TRAVEL LANE
- 2) SIGN LEGEND TO BE NON-REFLECTIVE UNLESS OTHERWISE DIRECTED
- 3) ALL SIGN PANELS TO BE STANDARD SHEETING, SHEET ALUMINUM
- 4) ALL POST LENGTHS SHALL BE FIELD VERIFIED PRIOR TO PROCURING MATERIALS
- 5) MOUNT W1-8L/R SIGNS ON SAME POST USING TIP-TO-TIP CONFIGURATION

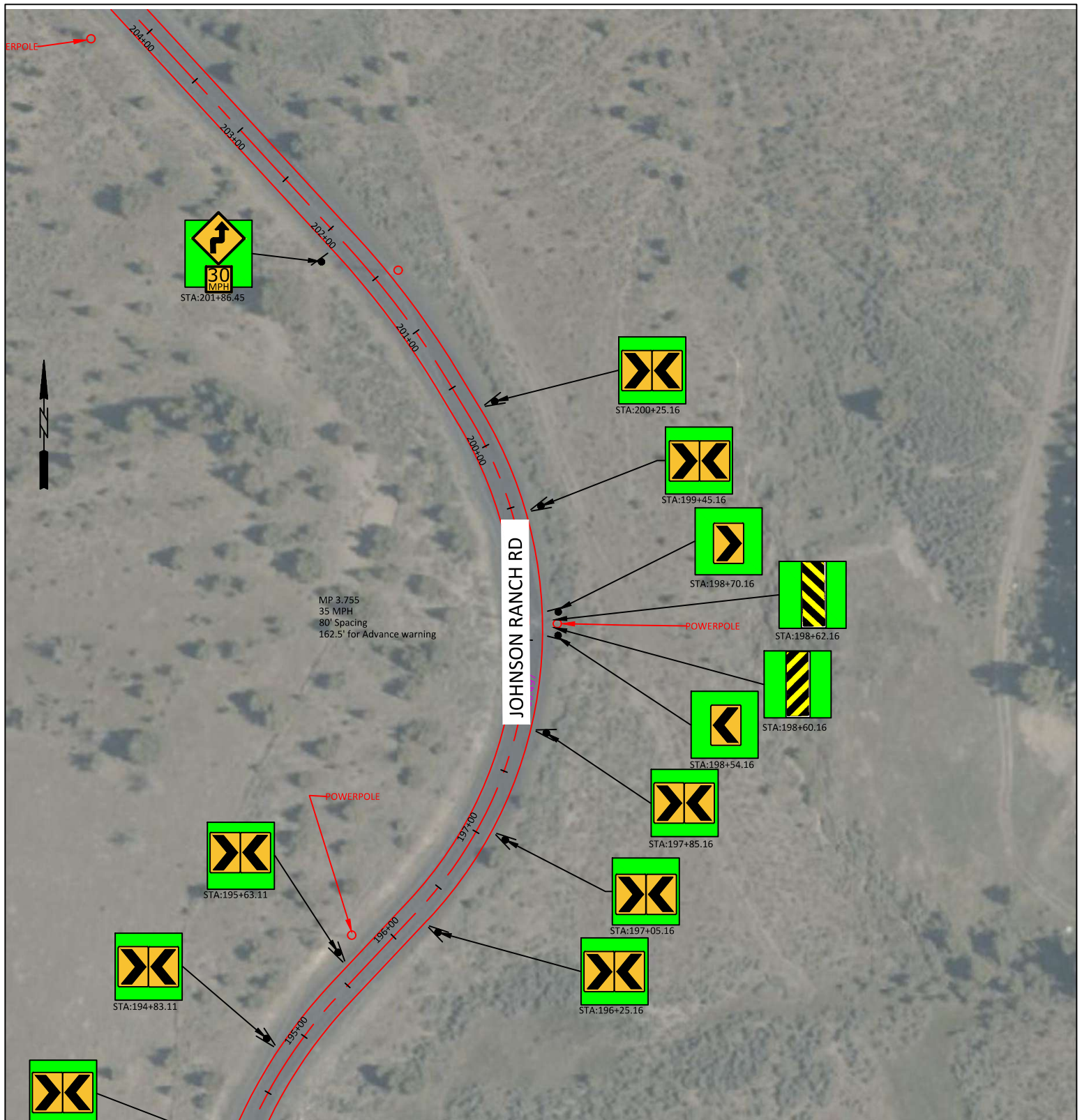


- SIGN LOCATION
 - REMOVE EXISTING SIGN
 - INSTALL NEW SIGNS
- STA 0+00 = ALFALFA MKT RD
CENTERLINE OFFSET: 22.0'

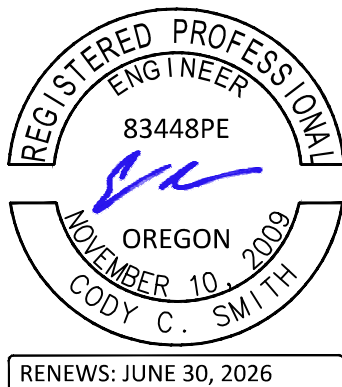


**ROAD
DEPARTMENT**

TITLE: JOHNSON RANCH RD		PAGE NO: 28 OF 35
DATE: 10/28/25	SCALE: 1':100'	APPROVED BY: C. SMITH



- SIGN LOCATION
 - REMOVE EXISTING SIGN
 - INSTALL NEW SIGNS
- STA 0+00 = ALFALFA MKT RD
CENTERLINE OFFSET: 22.0'



ROAD DEPARTMENT

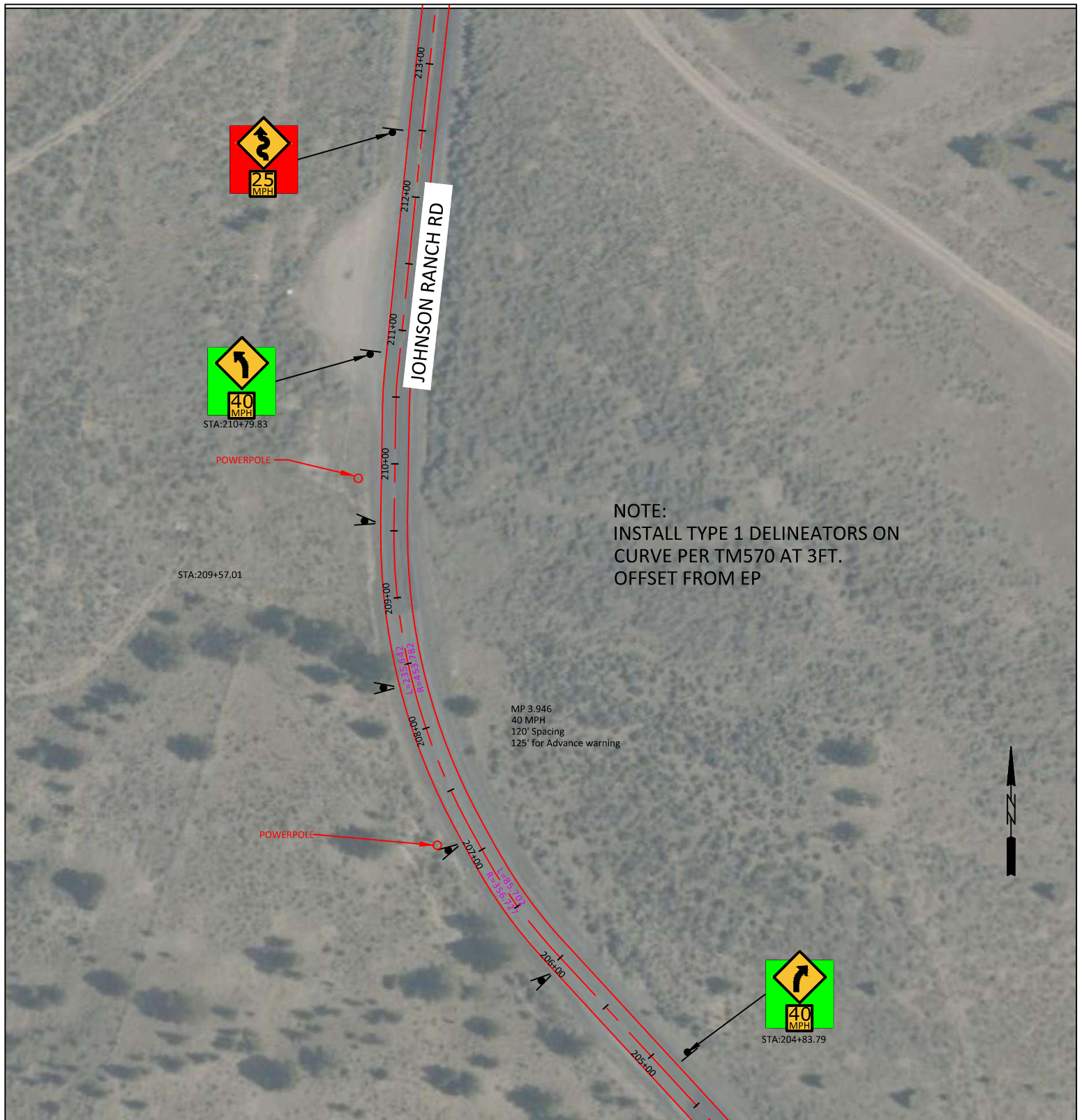
TITLE:
JOHNSON RANCH RD

PAGE NO:
29 OF 35

DATE:
10/28/25

SCALE:
1":100'

APPROVED BY:
C. SMITH



NOTE:
INSTALL TYPE 1 DELINEATORS ON
CURVE PER TM570 AT 3FT.
OFFSET FROM EP

MP 3.946
40 MPH
120' Spacing
125' for Advance warning

-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGNS
- STA 0+00 = ALFALFA MKT RD
- CENTERLINE OFFSET: 22.0'

REGISTERED PROFESSIONAL
ENGINEER
83448PE

OREGON
NOVEMBER 10, 2009
CODY C. SMITH
RENEWS: JUNE 30, 2026



DESCHUTES COUNTY

ROAD
DEPARTMENT

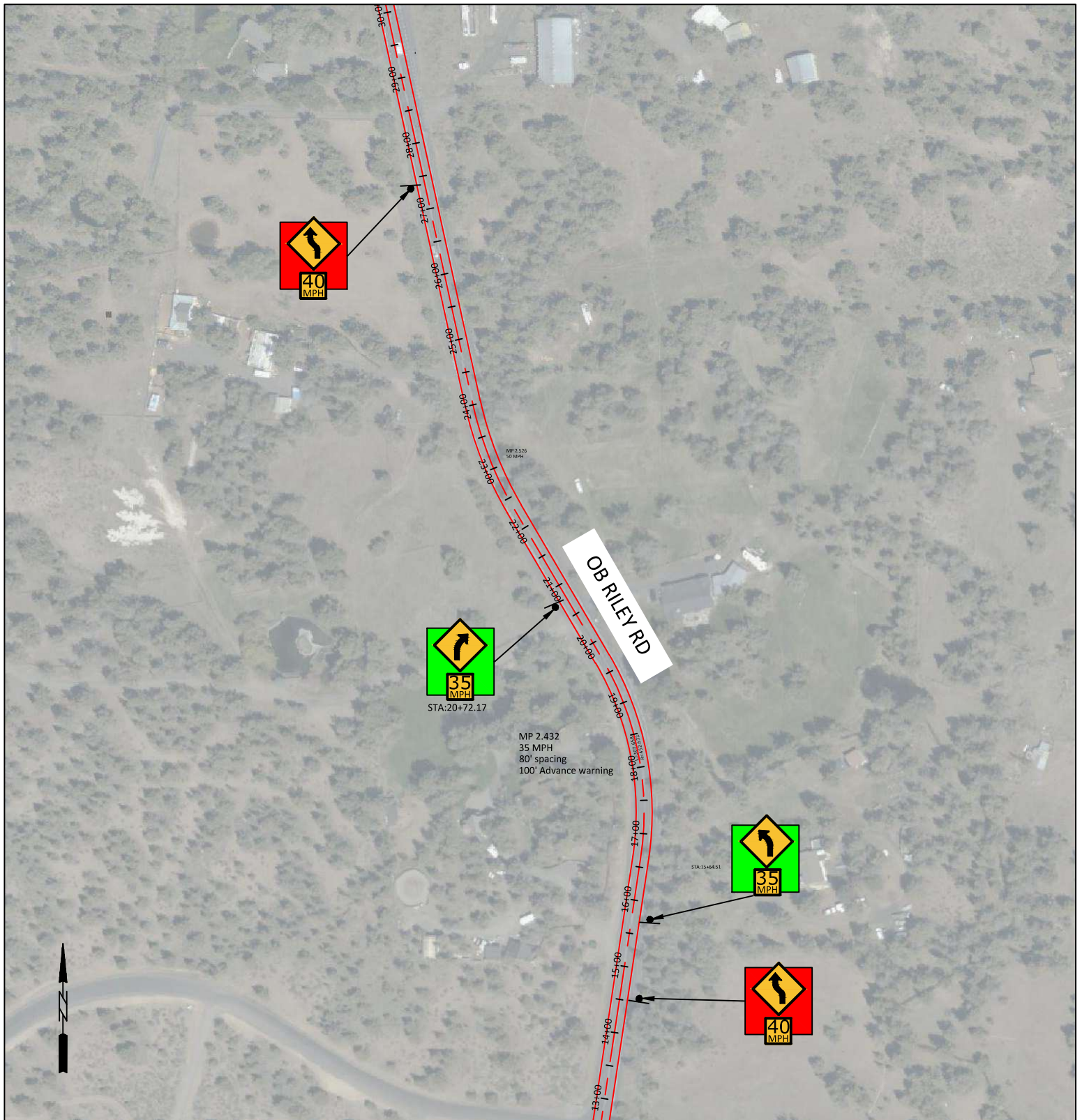
TITLE: JOHNSON RANCH RD		PAGE NO: 30 OF 35
DATE: 10/28/25	SCALE: 1"=100'	APPROVED BY: C. SMITH

**SIGN POST DATA TABLE:
JOHNSON RANCH RD**

SIGN TYPE	SIGN LOCATION	DIMENSIONS		COLOR		SUPPORT TYPE				FOOTING EP OFFSET, FEET	REMARKS	POST	
		WIDTH, INCHES	HEIGHT, INCHES	BACK GROUND	LEGEND	WOOD POST	PERF. SQ. TUBE, ANCHOR BASE	PERF. SQ. TUBE, SLIP BASE	MILE MARKER POST			SIZE	LENGTH, FEET
W1-3R	190+63 RT.	30	30	Y	BK		X			10		2" - 10 GA	10
W13-1-35	190+63 RT.	18	18	Y	BK					10	UNDER		
W1-8L	192+43 LT.	18	24	Y	BK			X		10		2" - 10 GA	10
W1-8R	192+43 LT.	18	24	Y	BK					10			
W1-8L	193+23 LT.	18	24	Y	BK			X		10		2" - 10 GA	10
W1-8R	193+23 LT.	18	24	Y	BK					10			
W1-8L	194+03 LT.	18	24	Y	BK			X		10		2" - 10 GA	10
W1-8R	194+03 LT.	18	24	Y	BK					10			
W1-8L	194+83 LT.	18	24	Y	BK			X		10		2" - 10 GA	10
W1-8R	194+83 LT.	18	24	Y	BK					10			
W1-8L	195+63 LT.	18	24	Y	BK			X		10		2" - 10 GA	10
W1-8R	195+63 LT.	18	24	Y	BK					10			
W1-8L	196+25 RT.	18	24	Y	BK			X		10		2" - 10 GA	14
W1-8R	196+25 RT.	18	24	Y	BK					10			
W1-8L	197+05 RT.	18	24	Y	BK			X		10		2" - 10 GA	14
W1-8R	197+05 RT.	18	24	Y	BK					10			
W1-8L	197+85 RT.	18	24	Y	BK			X		10		2" - 10 GA	14
W1-8R	197+85 RT.	18	24	Y	BK					10			
W1-8L	198+54 RT.	18	18	Y	BK			X		10	UNDER	2" - 10 GA	14
OM3R	198+60 RT.	12	36	Y	BK				X	10		MP MARKER	
OM3L	198+62 RT.	12	36	Y	BK				X	10		MP MARKER	
W1-8R	198+70 RT.	18	24	Y	BK			X		10		2" - 10 GA	14
W1-8L	199+45 RT.	18	24	Y	BK			X		10		2" - 10 GA	14
W1-8R	199+45 RT.	18	24	Y	BK					10			
W1-8L	200+25 RT.	18	24	Y	BK			X		10		2" - 10 GA	14
W1-8R	200+25 RT.	18	24	Y	BK					10			
W1-3R	201+86 LT.	18	24	Y	BK		X			10		2" - 10 GA	14
W13-1-30	201+86 LT.	18	24	Y	BK					10	UNDER		
W1-2R	204+84 RT.	30	30	Y	BK		X			10		2" - 10 GA	14
W13-1-40	204+84 RT.	18	18	Y	BK					10	UNDER		
W1-2L	210+80 LT.	30	30	Y	BK		X			10		2" - 10 GA	10
W13-1-40	210+80 LT.	18	18	Y	BK					10	UNDER		

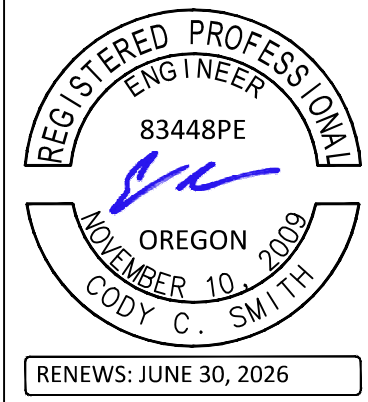
NOTES:

- 1) OFFSET DISTANCE IS RELATIVE TO EDGE OF TRAVEL LANE
- 2) SIGN LEGEND TO BE NON-REFLECTIVE UNLESS OTHERWISE DIRECTED
- 3) ALL SIGN PANELS TO BE STANDARD SHEETING, SHEET ALUMINUM
- 4) ALL POST LENGTHS SHALL BE FIELD VERIFIED PRIOR TO PROCURING MATERIALS
- 5) MOUNT W1-8L/R SIGNS ON SAME POST USING TIP-TO-TIP CONFIGURATION



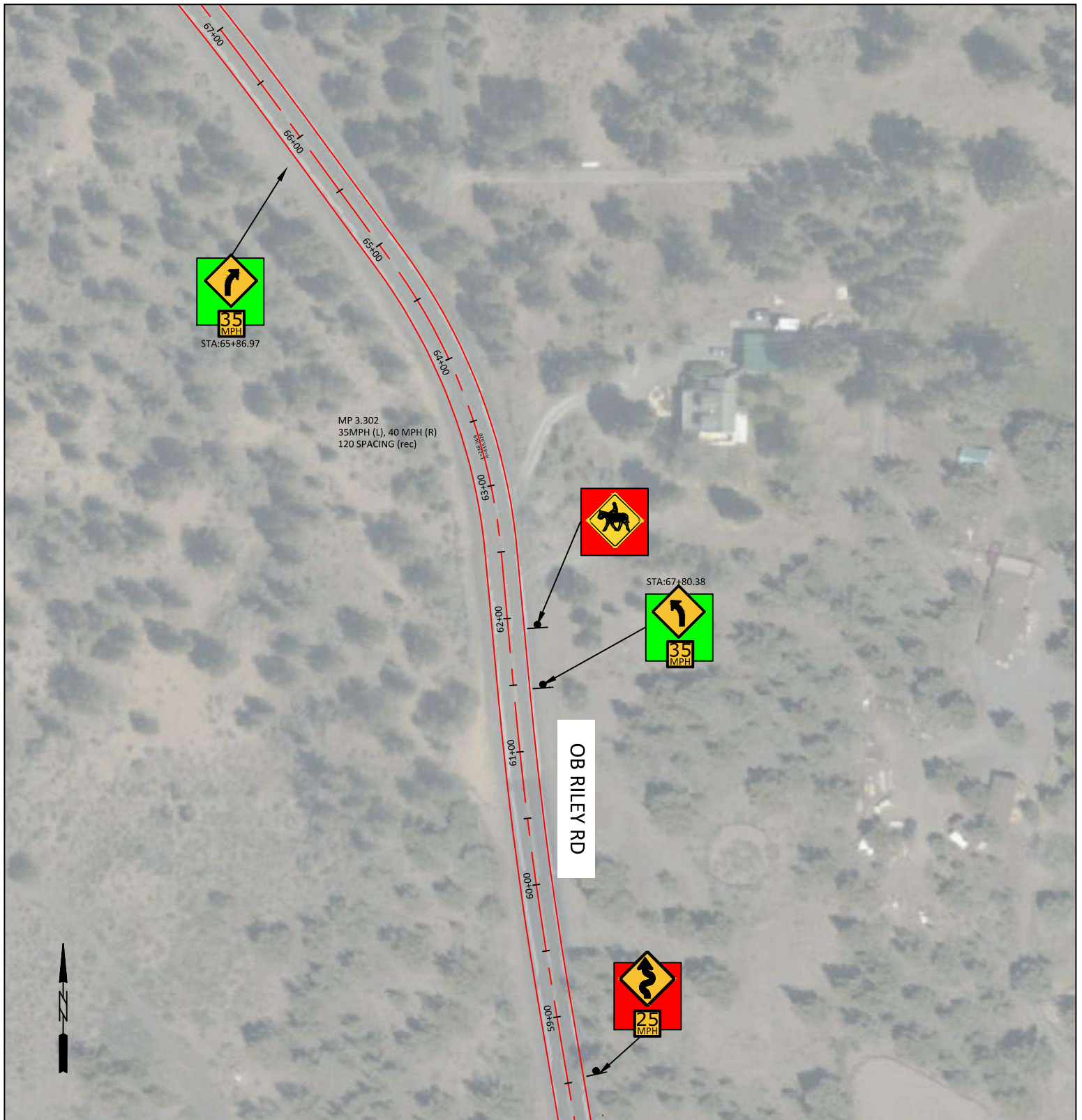
-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

STA 0+00 = COOLEY RD (CENTERLINE)
 CENTERLINE OFFSET: 22.0'



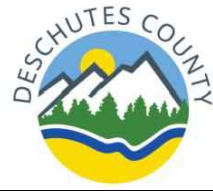
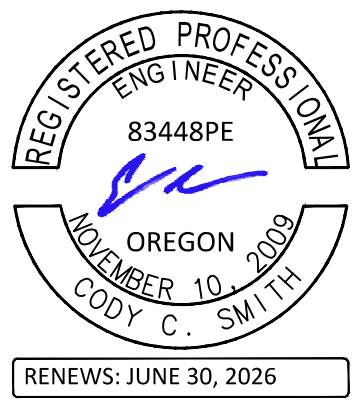
ROAD DEPARTMENT

TITLE: O.B. RILEY RD		PAGE NO: 31 OF 35
DATE: 10/28/25	SCALE: 1"=200'	APPROVED BY: C. SMITH



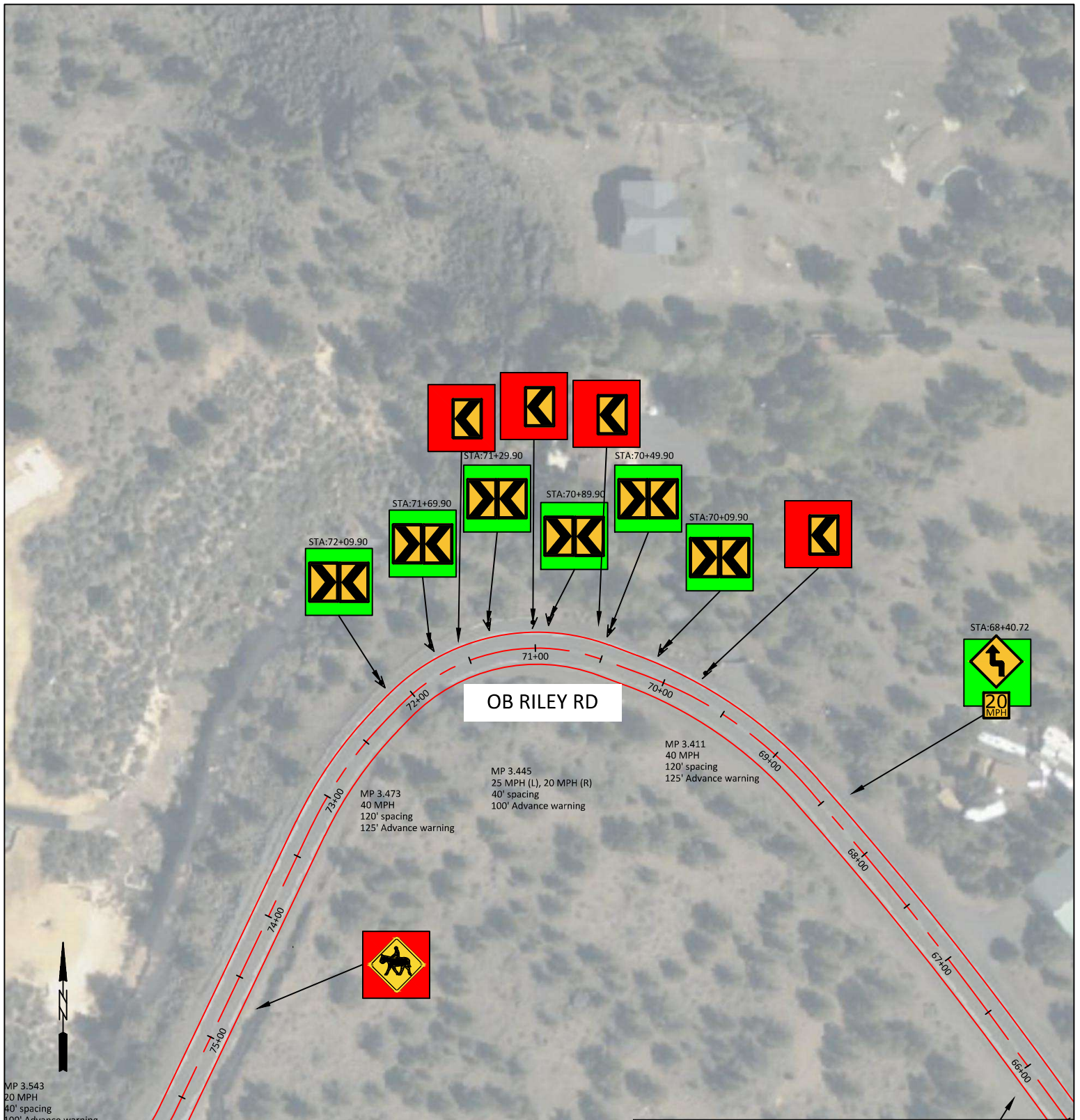
-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

STA 0+00 = COOLEY RD (CENTERLINE)
 CENTERLINE OFFSET: 22.0'



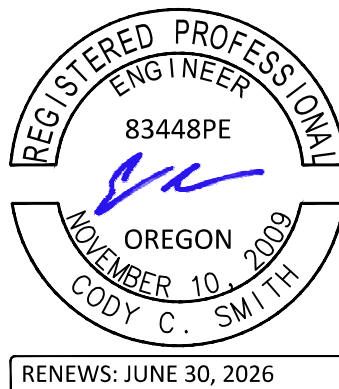
ROAD DEPARTMENT

TITLE: O.B. RILEY RD		PAGE NO: 32 OF 35
DATE: 10/28/25	SCALE: 1"=100'	APPROVED BY: C. SMITH



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGN

STA 0+00 = COOLEY RD (CENTERLINE)
CENTERLINE OFFSET: 22.0'



**ROAD
DEPARTMENT**

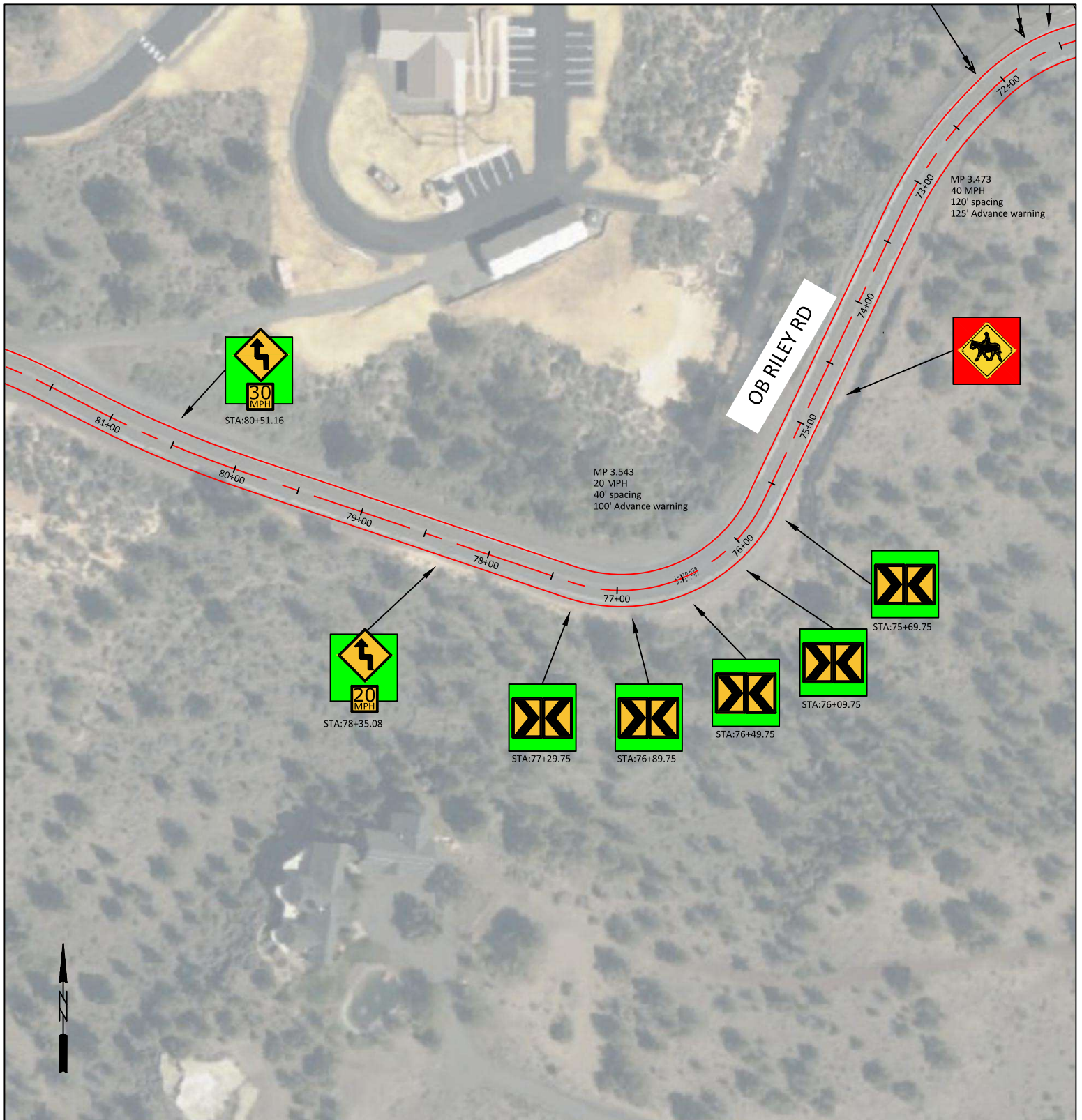
TITLE:
O.B. RILEY RD

PAGE NO:
33 OF 35

DATE:
10/28/25

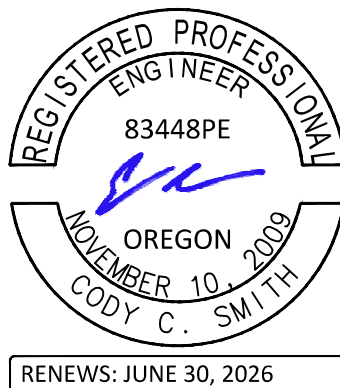
SCALE:
1"=100'

APPROVED BY:
C. SMITH



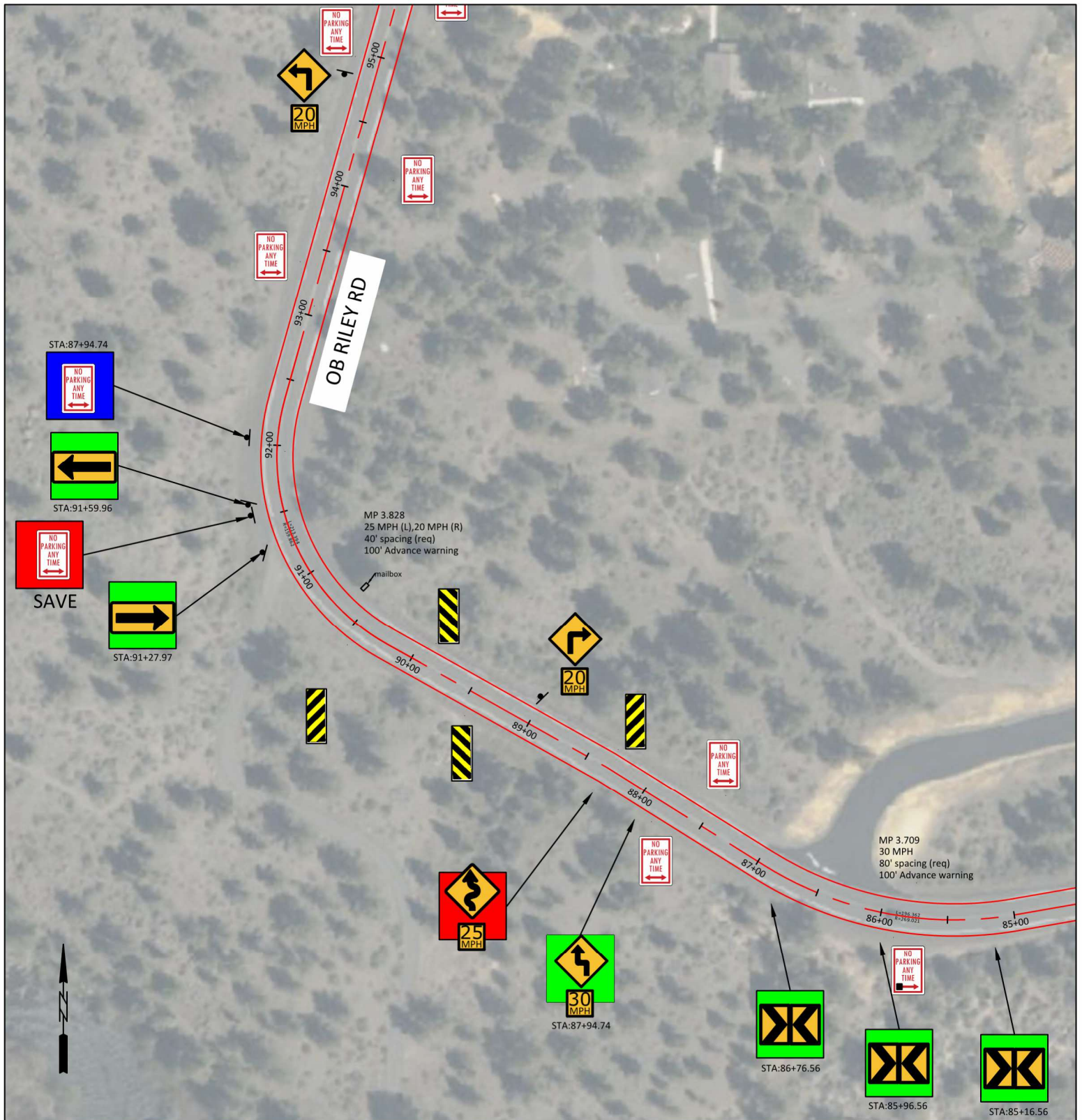
-  SIGN LOCATION
-  REMOVE EXISTING SIGN
-  INSTALL NEW SIGN

STA 0+00 = COOLEY RD (CENTERLINE)
 CENTERLINE OFFSET: 22.0'



ROAD DEPARTMENT

TITLE: O.B. RILEY RD		PAGE NO: 34 OF 35
DATE: 10/28/25	SCALE: 1"=100'	APPROVED BY: C. SMITH



- SIGN LOCATION
- REMOVE EXISTING SIGN
- INSTALL NEW SIGN
- REINSTALL SIGN

STA 0+00 = COOLEY RD (CENTERLINE)
 CENTERLINE OFFSET: 22.0'

REGISTERED PROFESSIONAL
 ENGINEER
 83448PE

 OREGON
 NOVEMBER 10, 2009
 CODY C. SMITH
 RENEWS: JUNE 30, 2026

**ROAD
DEPARTMENT**

TITLE: O.B. RILEY RD		PAGE NO: 35 OF 35
DATE: 10/28/25	SCALE: 1"=100'	APPROVED BY: C. SMITH

**SIGN POST DATA TABLE:
O.B. RILEY RD**

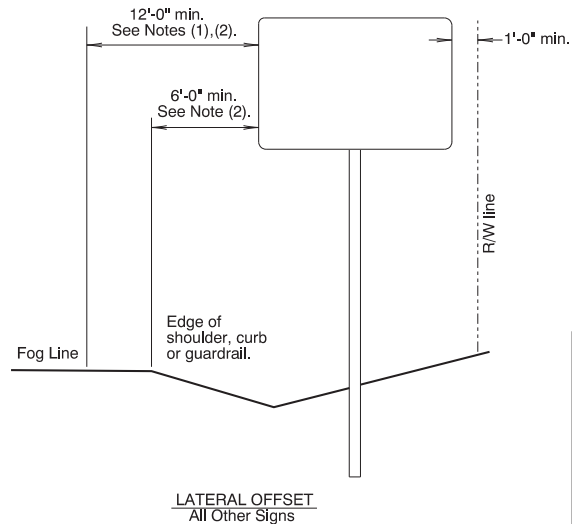
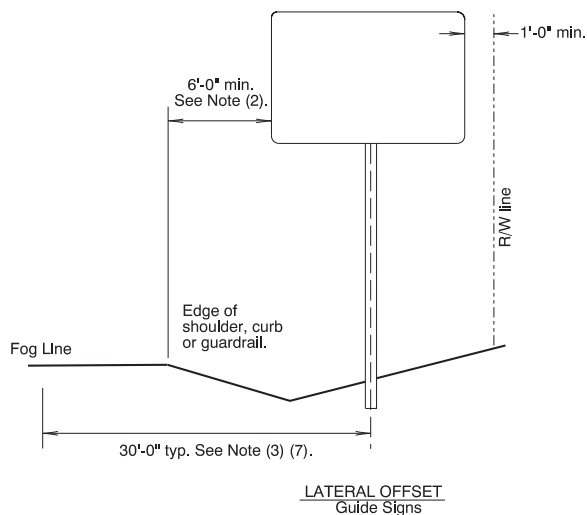
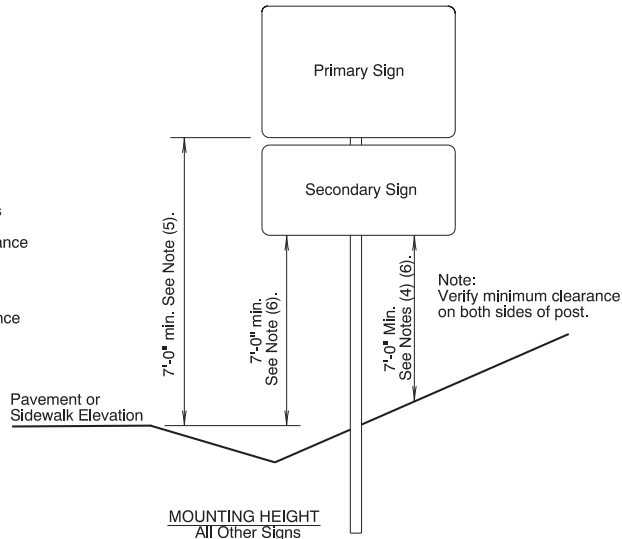
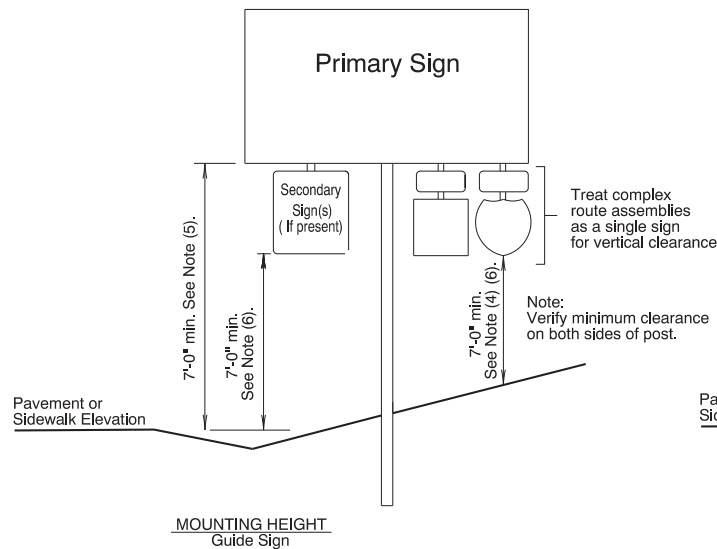
SIGN TYPE	SIGN LOCATION	DIMENSIONS		COLOR		SUPPORT TYPE			FOOTING EP OFFSET, FEET	REMARKS	POST	
		WIDTH, INCHES	HEIGHT, INCHES	BACK GROUND	LEGEND	WOOD POST	PERF. SQ. TUBE, ANCHOR BASE	PERF. SQ. TUBE, SLIP BASE			SIZE	LENGTH, FEET
W1-2L	15+65 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	15+65 RT.	18	18	Y	BK				10	UNDER		
W1-2R	20+72 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	20+72 LT.	18	18	Y	BK				10	UNDER		
W1-2R	65+87 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	65+87 LT.	18	18	Y	BK				10	UNDER		
W1-2L	67+80 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-35	67+80 RT.	18	18	Y	BK				10	UNDER		
W1-3L	68+41 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-20	68+41 RT.	18	24	Y	BK				10	UNDER		
W1-8L	70+10 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	70+10 RT.	18	24	Y	BK				10			
W1-8L	70+50 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	70+50 RT.	18	24	Y	BK				10			
W1-8L	70+90 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	70+90 RT.	18	24	Y	BK				10			
W1-8L	71+30 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	71+30 RT.	18	24	Y	BK				10			
W1-8L	71+70 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	71+70 RT.	18	24	Y	BK				10			
W1-8L	72+10 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	72+10 RT.	18	24	Y	BK				10			
W1-8L	75+70 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	75+70 LT.	18	24	Y	BK				10			
W1-8L	76+10 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	76+10 LT.	18	24	Y	BK				10			
W1-8L	76+50 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	76+50 LT.	18	24	Y	BK				10			
W1-8L	76+90 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	76+90 LT.	18	24	Y	BK				10			
W1-8L	77+30 LT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	77+30 LT.	18	24	Y	BK				10			

**SIGN POST DATA TABLE:
O.B. RILEY RD**

SIGN TYPE	SIGN LOCATION	DIMENSIONS		COLOR		SUPPORT TYPE			FOOTING	REMARKS	POST	
		WIDTH, INCHES	HEIGHT, INCHES	BACK GROUND	LEGEND	WOOD POST	PERF. SQ. TUBE, ANCHOR BASE	PERF. SQ. TUBE, SLIP BASE			SIZE	LENGTH, FEET
W1-3L	78+35 LT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-20	78+35 LT.	18	18	Y	BK				10	UNDER		
W1-3L	80+51 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-30	80+51 RT.	18	18	Y	BK				10	UNDER		
W1-8L	85+17 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	85+17 RT.	18	24	Y	BK				10			
W1-8L	85+97 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	85+97 RT.	18	24	Y	BK				10			
W1-8L	86+77 RT.	18	24	Y	BK			X	10		2" - 10 GA	10
W1-8R	86+77 RT.	18	24	Y	BK				10			
W1-3L	87+95 RT.	30	30	Y	BK		X		10		2" - 10 GA	10
W13-1-30	87+95 RT.	18	18	Y	BK				10	UNDER		
W1-6	91+28 RT.	48	24	Y	BK			X	10		2" - 10 GA	10
W1-6	91+60 RT.	48	24	Y	BK			X	10		2" - 10 GA	10
R7-1	87+95 RT.			W	R	X				REINSTALL	4X4	14

NOTES:

- 1) OFFSET DISTANCE IS RELATIVE TO EDGE OF TRAVEL LANE
- 2) SIGN LEGEND TO BE NON-REFLECTIVE UNLESS OTHERWISE DIRECTED
- 3) ALL SIGN PANELS TO BE STANDARD SHEETING, SHEET ALUMINUM
- 4) ALL POST LENGTHS SHALL BE FIELD VERIFIED PRIOR TO PROCURING MATERIALS
- 5) MOUNT W1-8L/R SIGNS ON SAME POST USING TIP-TO-TIP CONFIGURATION



General Installation Notes:

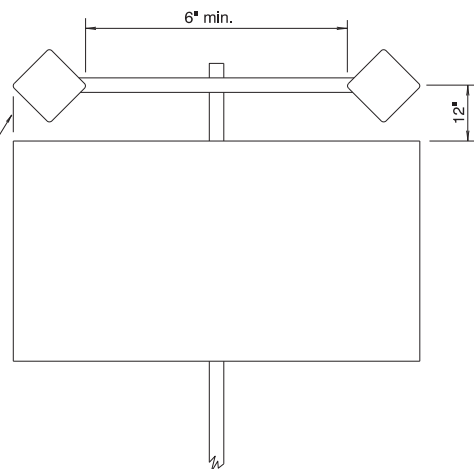
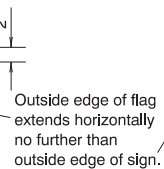
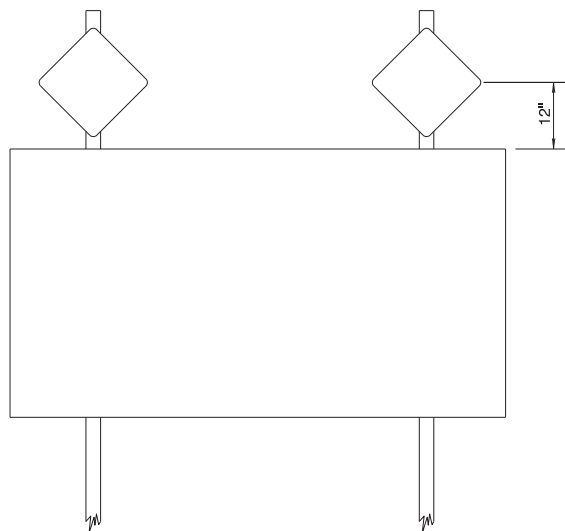
- Signing details shown on this sheet are intended to convey **"typical"** conditions only. Individual locations may require installation different from those shown.
For guidance regarding unique installations or exceptions call the Project Sign Designer or Region Traffic Section.
- Locate breakaway supports away from ditches to avoid problems with erosion, corrosion, debris, maintenance and breakaway performance. See Dwg. No. TM635 for more information.
- For wood post support details see Dwg. No. TM670.
- For perforated steelsquare tube support details see Dwg. No. TM681.
- For triangular base breakaway support details see Dwg. No. TM602.
- For multi-post breakaway support details see Dwg. No. TM600.
- Mounting heights should not be more than 3 inches more than the minimum heights shown, where practical.
- 2" vertical spacing between all signs.

Notes:

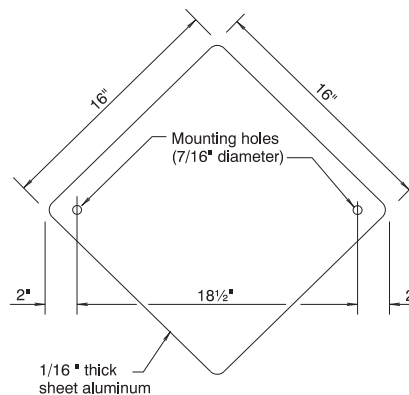
- 6' minimum if behind barrier.
- 2' minimum if restricted R/W.
- 20' for ramp terminals.
- 8' minimum if bicycle path underneath.
- 8' minimum if secondary signs attached.
- 5' minimum if outside clearzone, in rural areas and no pedestrians underneath.
- For multi-post installations measure distance from post closest to roadway.

<i>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.</i>		All materials shall be in accordance with the current Oregon Standard Specifications.	
		OREGON STANDARD DRAWINGS	
		SIGN INSTALLATION DETAILS	
		2024	
DATE	REVISION	DESCRIPTION	
01/22		Edited elevation text in Mounting Height details	
CALC.	N/A	SDR	07 JAN 2022
BOOK NO.		DATE	
			TM200

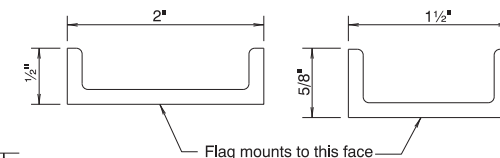
Effective Date: June 1, 2025 – November 30, 2025

REGULATORY OR GUIDE SIGN
(1 POST)

GUIDE SIGN
(2-POSTS)

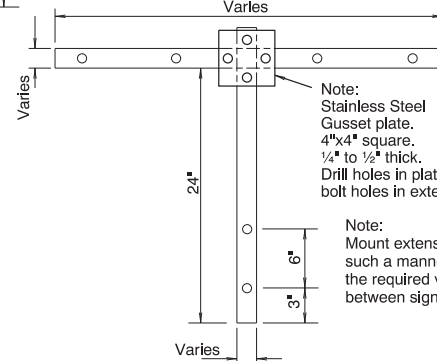


FLAG DETAILS



C" CHANNELS

Varies

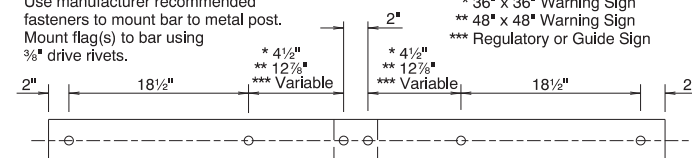


Note:
Stainless Steel
Gusset plate.
4"x4" square.
1/4" to 1/2" thick.
Drill holes in plate to align with
bolt holes in extension and bar.

Note:
Mount extension to post in
such a manner as to provide
the required vertical clearance
between sign and flags.

"C" CHANNEL WITH EXTENSION

All mounting holes (to post and to flags) are to be $\frac{7}{16}$ " diameter.
Use $\frac{3}{8}$ " x 3" lag bolts to mount bar to wood post.
Use manufacturer recommended fasteners to mount bar to metal post.
Mount flag(s) to bar using $\frac{3}{8}$ " drive rivets. * $4\frac{1}{2}$ "



MOUNTING BAR DETAIL

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OREGON STANDARD DRAWINGS

FLAG BOARD MOUNTING DETAILS

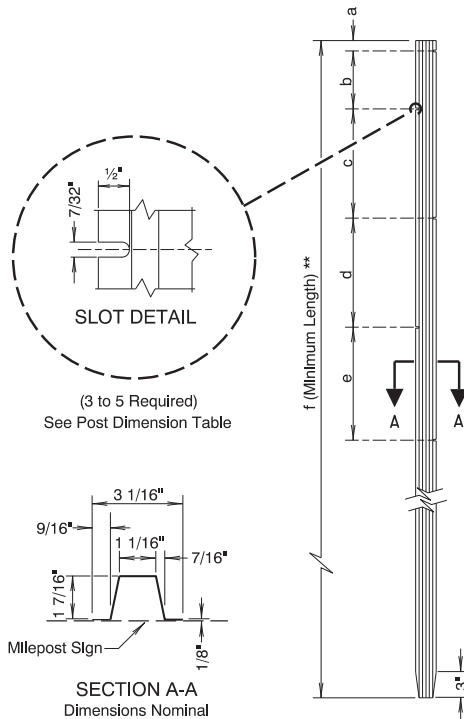
2024

DATE	REVISION DESCRIPTION

CALC. BOOK NO.	N/A	SDR DATE- 10 DEC 2009
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TM204

Effective Date: June 1, 2025 – November 30, 2025

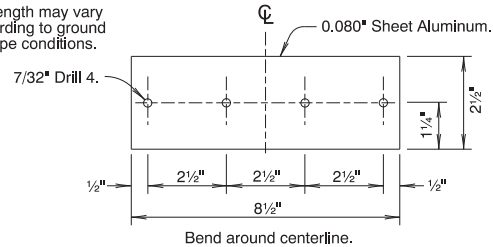


POST DETAILS

POST DIMENSION TABLE						
SIGN *	a	b	c	d	e	f **
A	1"	7"	8 1/2"	—	—	8'-6"
B	1"	7"	8 1/2"	9"	—	9'-3"
C	1"	7"	8 1/2"	9"	9"	10'-0"
D	1"	7"	12 1/2"	—	—	9'-0"
E	1"	7"	12 1/2"	13"	—	10'-6"
F	1"	7"	12 1/2"	13"	13"	12'-0"

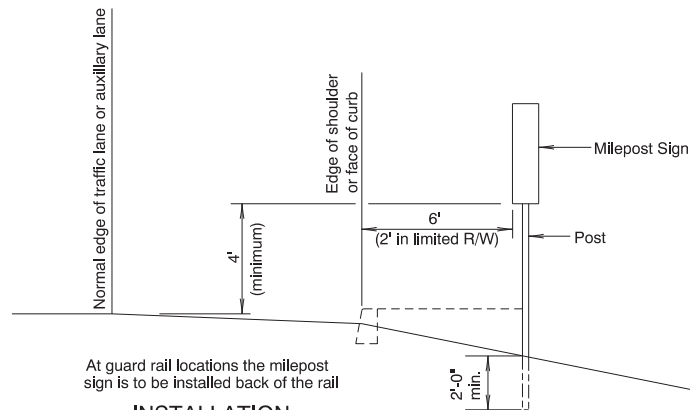
* See TM221

** Length may vary according to ground slope conditions.



BRACKET ASSEMBLY

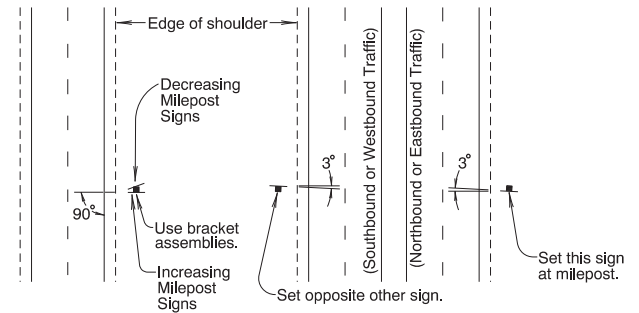
(Use only on 2 lane roads)



INSTALLATION

GENERAL NOTES:

- POST AND BRACKET ASSEMBLIES
 - The nominal weight of the post shall be 2 pounds per lineal foot.
 - Bracket assemblies shall conform to subsection 2910.10 of the current Oregon Standard Specifications for Construction.
- INSTALLATION
 - If roadway conditions prohibit locating the milepost sign at the milepoint, it may be moved up to 50 feet in either direction. If it cannot be located within this variation, it should be omitted.
 - Signs shall be mounted to posts with 3/8 inch diameter aluminum blind rivets that conform to subsection 2910.40 of the current Oregon Standard Specifications for Construction.
 - If the milepost sign is located within 25 feet of a delineator, the delineator should be moved or deleted.
 - Installation of the post and sign panel shall conform to subsection 840.41 of the current "Oregon Standard Specifications".



CONVENTIONAL ROADS

EXPRESSWAYS & FREEWAYS

INSTALLATION

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OREGON STANDARD DRAWINGS

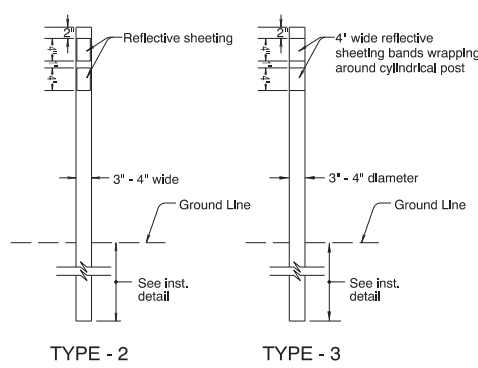
INSTALLATION DETAILS
MILEPOST MARKER POSTS

2024

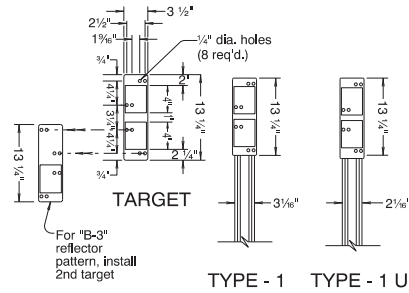
DATE	REVISION	DESCRIPTION

CALC. BOOK NO. N/A SDR DATE 10-DEC-2009 TM222

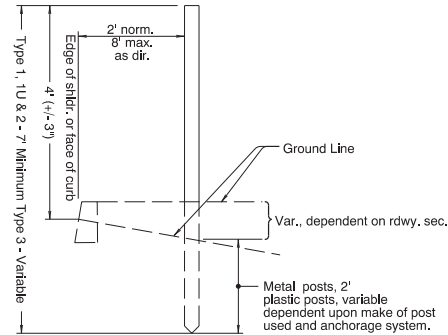
Effective Date: June 1, 2025 – November 30, 2025



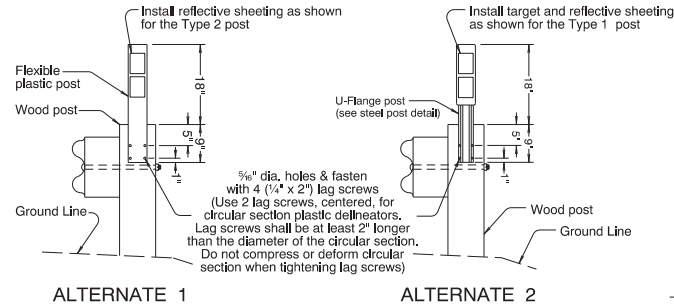
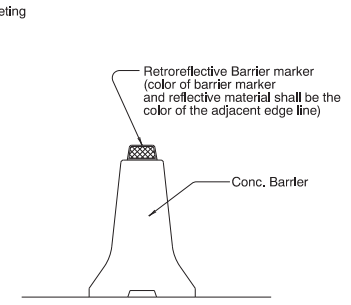
FLEXIBLE PLASTIC POSTS



STEEL POSTS



INSTALLATION DETAIL

TYPE - 4
GUARDRAIL AREAS (WITH WOOD POSTS)TYPE - 5
CONCRETE BARRIER AREAS
(Install barrier markers at 50' spacing unless otherwise noted in plans)

NOTES:

POST:

Galv. steel, nominal weight Type 1, 2 lb/ft,
Type 1 U, 1.12 lb/ft.

See Standard Drawing TM571 for steel post dimensions and details.

TARGET:

Aluminum sheet, nominal thickness .050". Fasten to post with 5/16" dia. aluminum blind rivets and washers.

For "B-3" reflector pattern, top target shall overlap bottom target.

REFLECTORS:

3" x 4" reflective sheeting unless otherwise shown.
(3 1/2" x 4" reflective sheeting is an acceptable alternate unless otherwise shown.)
Acrylic prismatic reflectors acceptable on Type 1, 1 U, 2 and 4 posts and Type 5 barrier mounts.
Place required number in sequence from top of target.

GENERAL NOTES:

- Spacing shall be measured along the shoulder.
- On roads with less than 500 vehicle ADT, delineators are not to be used except where situations such as sharp horizontal curves, etc. exist.
- To clear driveways, crossroads etc., or for required adjustments at ramps and at intersections, either:
(a) vary placement of that post up to 25% of spacing shown, or;
(b) eliminate said post if limit of variation must be exceeded.
- Judgement should be exercised in the installation of delineators in cut section, particularly on roads constructed to older standards where ditches are narrow and where delineators tend to hamper maintenance operations.
- On horizontal curves place delineators nearly opposite each other.
- At guard rail locations the delineators are to be installed behind the rail and shall be located adjacent to guard rail posts as shown for Type 4 Delineators.
- Install all delineators with reflectors facing adjacent oncoming traffic.
- Offset delineators an additional 4' in areas of heavy snow removal operations.
- Backside Delineators may be used in frequently snow plowed areas where use of snow poles is not justified. When Backside Delineators are specified, substitute "W-1" and "W-2" with "W-1B" and "W-2B" respectively, on Type 1 steel posts. Do not install Backside Delineators on one-way sections of roadway, freeways and ramps, or on radius sections.
- Refer to TM 222 for bracket assembly details for Backside Reflector Pattern.

REFLECTOR PATTERN TABLE					
	Color Type	Color Of Reflector And Target Or Post	Number Of Reflectors	Color Of Reflector And Target Or Post On Backside	Number Of Reflectors On Backside
Standard Pattern	"W-1"	White	1	Not Applicable	Not Applicable
	"W-2"	White	2		
	"Y-1"	Yellow	1		
	"Y-2"	Yellow	2		
	"B-1"	Blue	1		
	"B-2"	Blue	2		
	"B-3"	Blue	3		
Backside Pattern	"W-1B"	White	1	White	2
	"W-2B"	White	2	White	2

TANGENT	HORIZONTAL CURVES				
▲ MAX. SPACING EACH SIDE OF ROADWAY IN FEET	▲ MAX. SPACING EACH SIDE OF ROADWAY IN FEET				
	DEGREE OF CURVE	ON CURVE	IN ADVANCE OF & BEYOND CURVE		
			FIRST SPACE	SECOND SPACE	THIRD SPACE
400	Lower Than 1	300	300	300	300
	1	230	300	300	300
	2	160	300	300	300
	3	130	260	300	300
	4	110	220	300	300
	5	100	200	300	300
	6	90	180	270	300
	7 - 8	80	160	240	300
	9 - 11	70	140	210	300
	12 - 16	60	120	180	300
	17 - 22	50	100	150	300
	23 - 34	40	80	120	240
	35 - 53	30	60	90	180
	54 & Higher	20	40	60	120

(Min. spacing 20 feet)

(▲ Install "W-1" reflective pattern unless otherwise noted. See Standard Drawings TM575 thru TM577 for spacing, layout, and reflective pattern of delineators at interchange ramps, channelized intersections, lane reductions, emergency escape ramps and freeway crossovers.)

DELINEATOR SPACING TABLE FOR TYPES 1, 1U, 2, and 4

To be accompanied by Drg. No. TM571, TM575, TM576, and/or TM577 as specified.

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All materials shall be in accordance with the current Oregon Standard Specifications.

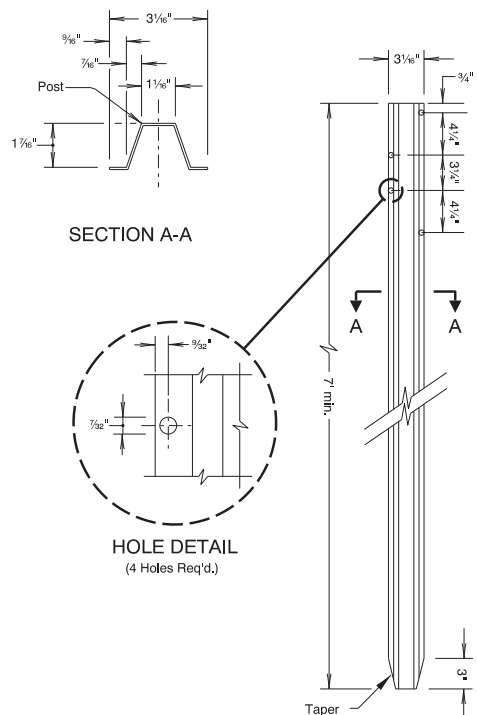
OREGON STANDARD DRAWINGS

TRAFFIC DELINEATORS

2024

DATE	REVISION DESCRIPTION
CALC. BOOK NO. - - - N/A - - -	SDR DATE - 06-JAN-2012 - - -
	TM570

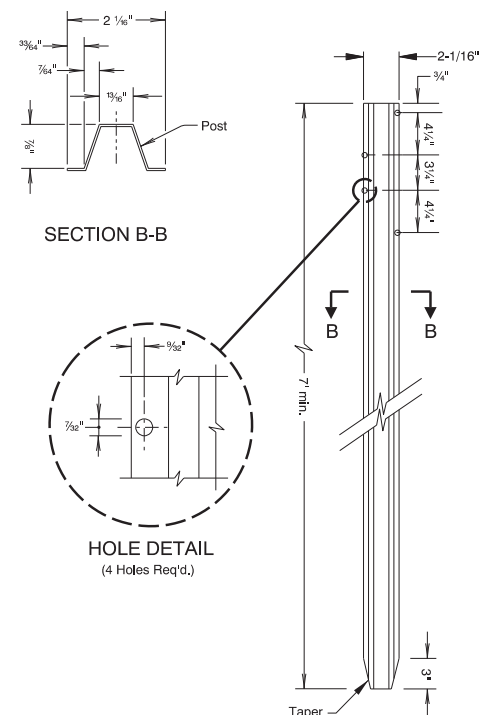
Effective Date: June 1, 2025 – November 30, 2025



Notes:

1. Galv. steel, nominal weight 2 lb. per ft.

TYPE - 1 STEEL POST DIMENSIONS



Notes:

1. Galv. steel, nominal weight 1.12 lb. per ft.

TYPE - 1 U STEEL POST DIMENSIONS

To be accompanied by Drg. No. TM570

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OREGON STANDARD DRAWINGS

TRAFFIC DELINEATORS STEEL POST DETAILS

2024

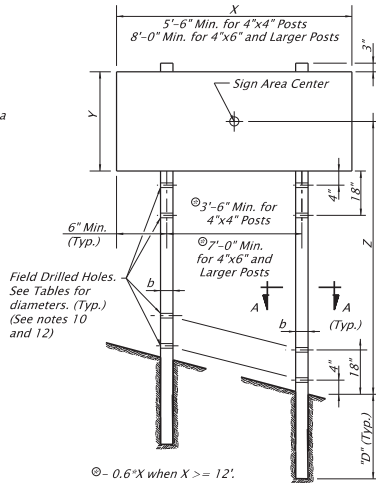
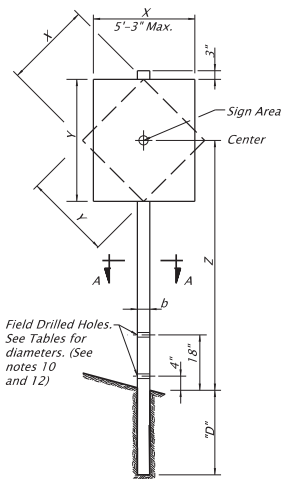
DATE	REVISION DESCRIPTION
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CALC. BOOK NO.	N/A	SDR DATE	10-DEC
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BOOK NO. - - - - -	DATE - - - - -
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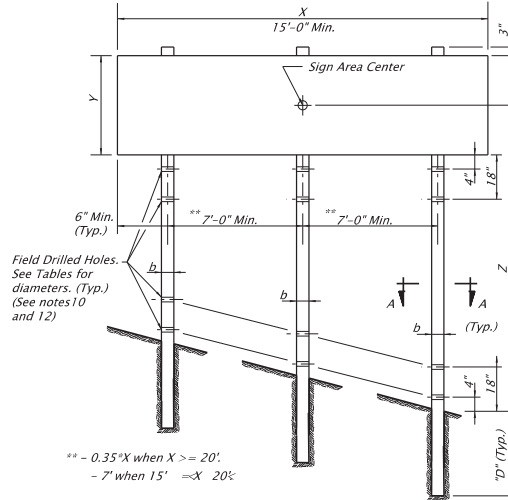
TM571

Effective Date: June 1, 2025 – November 30, 2025

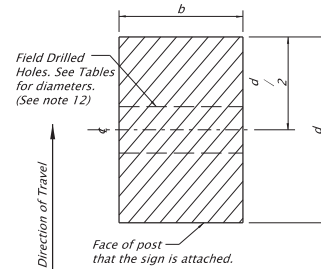


ELEVATION

No scale



** - 0.35*X when X >= 20'
- 7' when 15' < X < 20'



SECTION A-A

No scale

General Notes:

1. Wood posts are available in the following commercial lengths: 12', 14', 16', 18', 20', 22', 24', 26'.
2. Material shall be Douglas Fir No. 1 and according to Section 02110.40.
3. For horizontal and vertical clearances of permanent signs refer to TM200 and of temporary signs refer to TM822.
4. Wood post design in accordance with the 5th Edition 2009 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals.
5. Use the 3 second gust wind speeds shown on TM671 for the site specific sign location.
6. General design parameters are $K_z = 0.87$, SIF (duration factor) = 1.6, C_d (sign) = 1.20, and $G = 1.14$.
7. The sign width to sign height or sign height to sign width ratio shall not exceed 5.0.
8. Permanent signing uses an $I_r = 0.71$ for a recurrence interval of 10 years.
9. Temporary signing uses an $I_r = 0.45$ for a recurrence interval of 1.5 years.
10. Posts protected by barrier or guardrail do not require field drilled holes.
11. 4" x 4" posts should not be used in snow plow areas.
12. Field treat drilled holes according to 02190.30.

Post Embedment Installation:

1. Excavate the hole at least 12" larger in diameter than the diagonal dimension of the post. Maintain at least 6" of space around the edges of the post to accommodate compaction equipment.
2. Align the post in the hole to a vertical position.
3. The space around the wood post shall be backfilled to finished ground surface.
4. Backfill with selected general backfill meeting the requirements of 00330.13.
5. Place in layers not greater than 6 inches.
6. Solidly ram and tamp the layers into the excavation area around the post.
7. Dampen during placement if too dry to compact properly.
8. Replace and finish the surface around the post to match the surrounding surface.

(X * Y * Z) in ft ³ – Maximum															Field Drilled Hole Diameters	Post Embedment Depth "D"
3 Second Gust Wind Speed (TM671)																
85 MPH					95 MPH					105 and 110 MPH						
Number of Posts					Number of Posts					Number of Posts						
		1	2	3" X=15'	3" X ≥20'	1	2	3" X=15'	3" X ≥20'	1	2	3" X=15'	3" X ≥20'			
POST SIZE b x d	4" x 4"	77	154	165	231	62	124	132	186	56	112	120	168	Not Req'd	4' – 0"	
	4" x 6"	162	324	347	486	130	260	278	390	117	234	250	351	1½"	5' – 0"	
	6" x 6"	270	540	578	810	216	432	462	648	195	390	417	585	2"	5' – 0"	
	6" x 8"	494	988	1058	1482	395	790	846	1185	356	712	762	1068	3"	7' – 0"	

PERMANENT WOOD POST TABLE

** - Linear Interpolate X*Y*Z 3 post values for signs greater than 15' and less than 20'.
** - See note 8

POST SIZE b x d		(X * Y * Z) in ft ³ – Maximum												Field Drilled Hole Diameters	Post Embedment Depth "D"
		3 Second Gust Wind Speed (TM671)													
		85 MPH				95 MPH				105 and 110 MPH					
		Number of Posts				Number of Posts				Number of Posts					
		1	2	3 [°] X=15'	3 [°] X≥20'	1	2	3 [°] X=15'	3 [°] X≥20'	1	2	3 [°] X=15'	3 [°] X≥20'		
4" x 4"	122	244	261	366	98	196	210	294	88	176	188	264	Not Req'd	4' – 0"	
4" x 6"	257	514	550	771	205	410	439	615	185	370	396	555	1½"	5' – 0"	
6" x 6"	426	852	912	1278	341	682	730	1023	308	616	660	924	2"	5' – 0"	
6" x 8"	779	1558	1669	2337	624	1248	1337	1872	563	1126	1206	1689	3"	7' – 0"	

TEMPORARY WOOD POST TABLE

** - Linear Interpolate X*Y*Z 3 post values for signs greater than 15' and less than 20'.
** - See note 9

Accompanied by dwgs. TM200, TM671, TM822

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OREGON STANDARD DRAWINGS

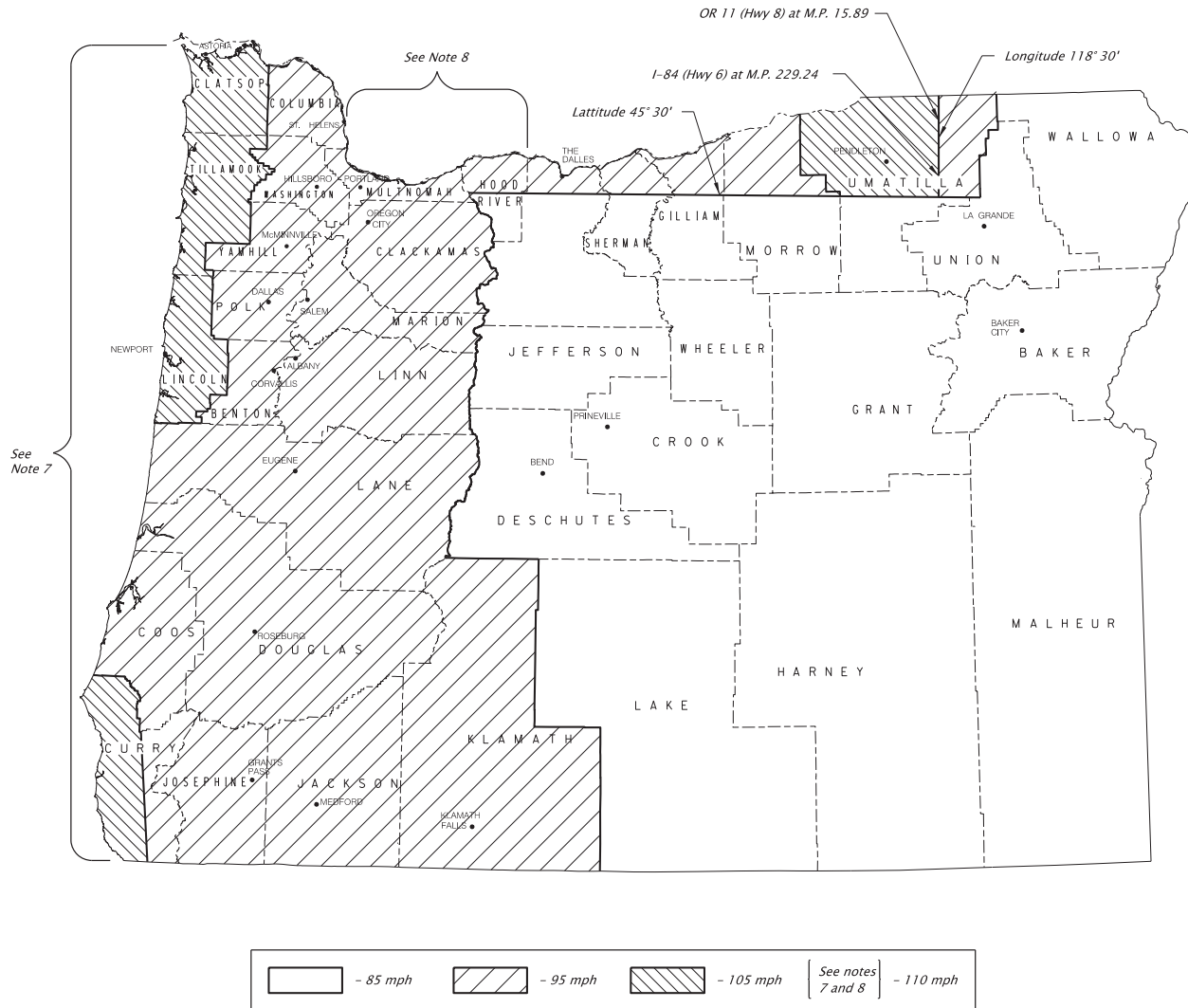
WOOD POST SIGN SUPPORTS

2024

DATE	REVISION	DESCRIPTION
01-2022	ADDED	3'-6" MINIMUM SPACING FOR 4"x4" POSTS AND 8'-0" MINIMUM SIGN WIDTHS FOR 4"x6" AND LARGER POSTS
01-2024	ADDED	TO FIELD TREAT HOLES ACCORDING TO 02190.30
CALC. BOOK NO.	5850	SDR DATE: 19-JAN-2024

TM670

Effective Date: June 1, 2025 - November 30, 2025

**NOTES:**

1. The wind velocity map as shown is adapted from AASHTO 2001 4th Edition - "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals", Appendix C, Figure C-3 and Section 3, Figure 3-2. It uses the wind speed map shown in Figure 1609 of the 2007 Oregon Structural Code to account for locations in the State with special wind regions.
2. The wind velocities shown above are 3-Second Gust wind velocities.
3. The Exposure Category is C.
4. The mean recurrence interval is 50-Years.
5. Mountainous terrain, gorges, and ocean promontories are classified as special wind regions and shall be examined for unusual wind conditions.
6. The Interval Height (Kz) is 30 ft.
7. All areas with full exposure to ocean winds shall be designated 110 mph areas.
8. Areas in Multnomah and Hood River counties with full exposure to Columbia River Gorge winds shall be designated 110 mph areas.
9. Localities may have adopted wind speed higher than that shown on this map. Those higher wind speed shall be used.

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All materials shall be in accordance with the current Oregon Standard Specifications.

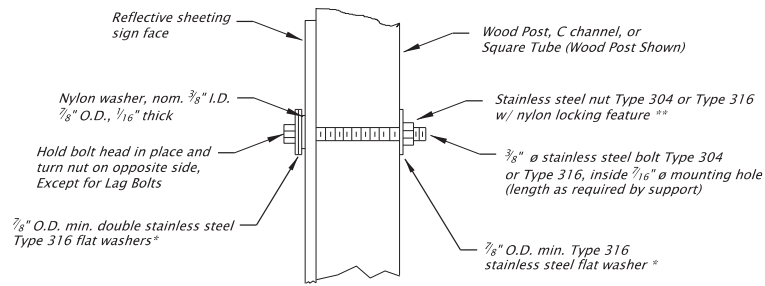
OREGON STANDARD DRAWINGS**3 SECOND GUST WIND SPEED MAP**

2024

DATE	REVISION	DESCRIPTION

CALC. BOOK NO. --- N/A --- SDR DATE 06-JAN-2012 --- **TM671**

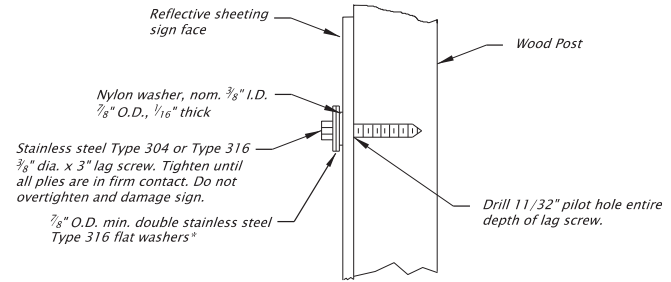
Effective Date: June 1, 2025 – November 30, 2025

**Note:**

- 1) When signs are placed on opposing sides of post, $\frac{3}{8}$ " x 3" stainless steel Type 304 or Type 316 lag screws can be used instead of through bolt.
- 2) Use nylon and stainless steel washers when signs are placed on both sides of post.
- 3) Burr threads at junction with nut when locknuts are not used.
- 4) Post bolts to extend beyond the tightened nuts within the limits of $\frac{1}{4}$ " to 1".

* Stainless steel bonded sealing washer with neoprene layer is an acceptable substitute

** Acceptable substitute for nylon locking nuts:
Stainless steel TRI-LOC® Top Lock Locknut

SIGN ATTACHMENT DETAIL

* Stainless steel bonded sealing washer with neoprene layer is an acceptable substitute

Note: This optional detail is to be used only when specified on a project.

OPTIONAL WOOD POST LAG SCREW DETAIL

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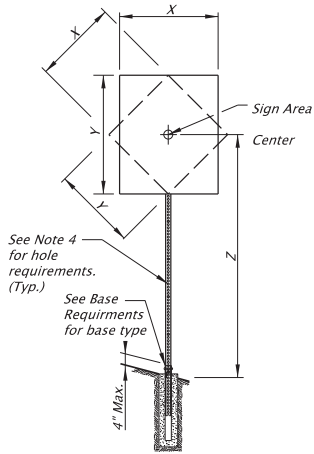
OREGON STANDARD DRAWINGS**SIGN ATTACHMENTS**

2024

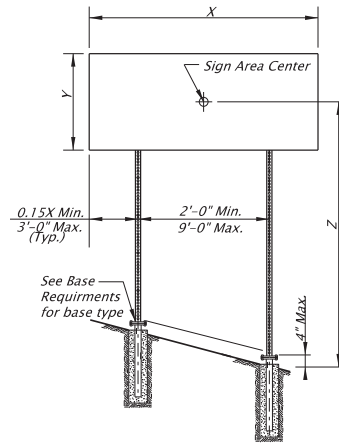
DATE	REVISION	DESCRIPTION
07-2020	ADDED	OPTIONAL LAG SCREW DETAIL
01-2025	ADDED	STAINLESS STEEL TO ALL HARDWARE AND REMOVED ANCO PIN-LOC
CALC. BOOK NO.	N/A	SDR DATE 10-JAN-2025

TM676

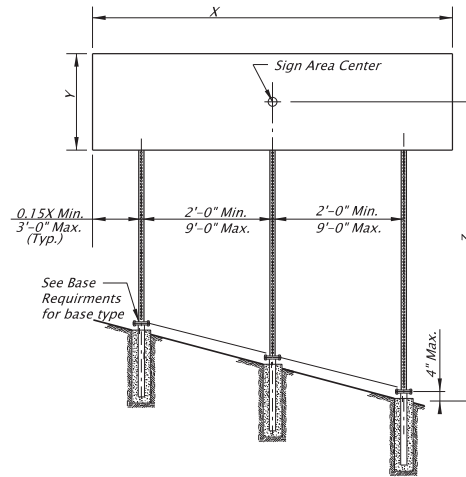
Effective Date: June 1, 2025 – November 30, 2025

**SINGLE POST ELEVATION**

No scale

**TWO POST ELEVATION**

No scale

**THREE POST ELEVATION**

No scale

(X * Y * Z) in ft ³ - Maximum									
3 Second Gust Wind Speed (TM671)									
	85 MPH			95 MPH			105 or 110 MPH		
	Number of Posts			Number of Posts			Number of Posts		
Square Tube Size	1	2	3	1	2	3	1	2	3
2"-12 ga.	79	158	237	63	126	189	57	114	171
2½"-12 ga.	136	272	408	109	218	327	98	196	294
2½"-10 ga.	165	330	495	132	264	396	119	238	357
2¼" & 2½"-12 ga.	231	462	693	185	370	555	167	334	501

PERMANENT PERFORATED STEEL SQUARE TUBE TABLE

(X * Y * Z) in ft ³ - Maximum									
3 Second Gust Wind Speed (TM671)									
	85 MPH			95 MPH			105 or 110 MPH		
	Number of Posts			Number of Posts			Number of Posts		
Square Tube Size	1	2	3	1	2	3	1	2	3
2"-12 ga.	125	250	375	100	200	300	90	180	270
2½"-12 ga.	215	430	645	172	344	516	155	310	465
2½"-10 ga.	261	522	783	209	418	627	189	378	567
2¼" & 2½"-12 ga.	364	728	1092	292	584	876	263	526	789

TEMPORARY PERFORATED STEEL SQUARE TUBE TABLE

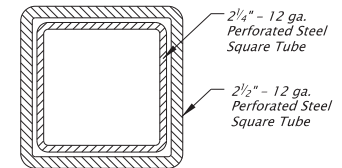
* - See 2¼" & 2½" - 12 ga. detail.

	Number of Posts		
Square Tube Size	1	2	3
2"-12 ga.	Anchor	Anchor	Slip
2½"-12 ga.	Anchor	Slip	Slip
2½"-10 ga.	Slip	Slip	Slip
2¼" & 2½"-12 ga.	Slip	Slip	Slip

1. Anchor - See Drawing TM687 for PSST anchor foundation details.
2. Slip - See Drawing TM688 for PSST slip base foundation details.
3. N/A - Do not use this option.

BASE REQUIREMENTS**GENERAL NOTES:**

1. Perforated Steel Square Supports are designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals 4th Edition, 2001, 2002, 2003, and 2006 interim revisions.
2. The design basic wind speed (3 second gust) shall be according to the wind map shown on TM671.
3. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
4. Use 7/16" diameter holes at 1" spacing on each of the 4 sides.
5. Steel post shall have a minimum yield stress of 50 ksi.
6. Steel shall be galvanized according to ASTM A653 with coating designation G90.
7. General design parameters are Kz = 0.87, Cd (sign) = 1.20, and G = 1.14.
8. Permanent signing uses an Ir = 0.71 for a recurrence interval of 10 years.
9. Temporary signing uses an Ir = 0.45 for a recurrence interval of 1.5 years.
10. The sign width to sign height or sign height to sign width ratio shall not exceed 5.0.
11. For horizontal and vertical clearances of permanent signs refer to TM200 and of temporary signs refer to TM822.
12. Posts protected by barrier or guardrail do not require slip bases.



2½" - 12 ga. PSST to extend entire length inside of the 2¼" - 12 ga. PSST.

2¼" & 2½" - 12 GA. DETAIL

No scale

Accompanied by dwgs. TM200, TM671, TM687, TM688, TM689, TM822

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

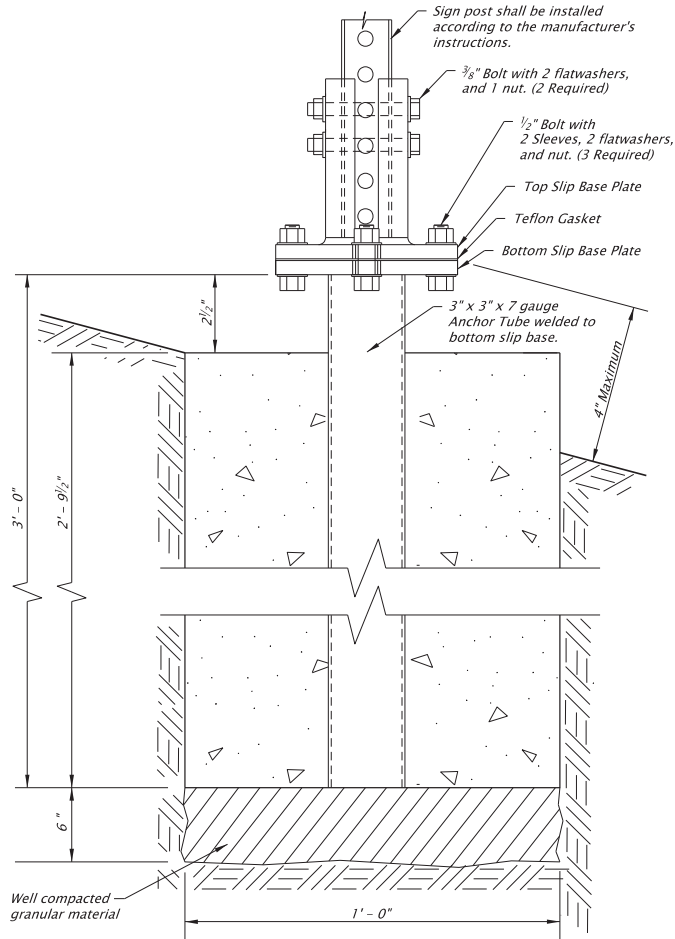
All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS
PERFORATED STEEL SQUARE TUBE (PSST)
SIGN SUPPORT INSTALLATION

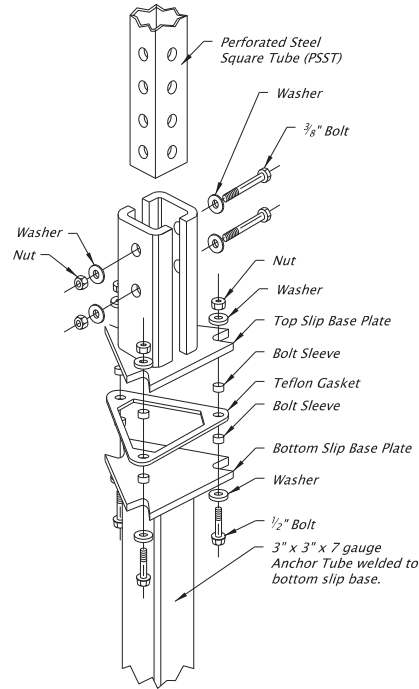
2024

DATE	REVISION	DESCRIPTION
	1	Add Slip Base option for 2" PSST
		(MODIFIED BY DESCHUTES CO. ROAD DEPT. - NOT INTENDED FOR USE BY OTHERS)
CALC. BOOK NO. 5752	SDR DATE 10-JUL-2017	TM681

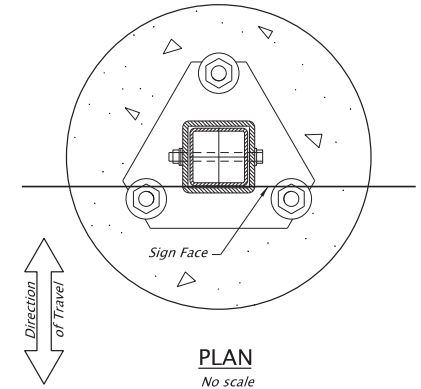
Effective Date: June 1, 2025 - November 30, 2025



SLIP BASE ELEVATION
No scale



SLIP BASE EXPLODED VIEW
No scale



General Notes:

1. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
2. Slip base steel shall be hot dipped galvanized or approved equal.
3. Footing concrete shall be Commercial Grade Concrete ($f_c = 3000 \text{ psi}$) per Specification 00440. The CGC mixture may be accepted at the site of placement according to 00440.14.
4. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
5. All slip bases shall be pre-assembled by the manufacturer and shall be installed according to the manufacturer's instructions.
6. Use slip bases listed on the ODOT Qualified products list or submit crash testing data, installation instructions, and unstamped working drawings according to 00150.35.
7. Slip base details shown are not for a specific manufacturer and are only shown to convey general pieces of a slip base system. Specific slip base material will be according to the manufacturer's documentation.

Accompanied by dwgs. TM681, TM687

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OREGON STANDARD DRAWINGS PERFORATED STEEL SQUARE TUBE (PSST) SLIP BASE FOUNDATION

2024

DATE	REVISION	DESCRIPTION
CALC. BOOK NO. 5752	SDR DATE 06-JAN-2012	TM688

Effective Date: June 1, 2025 – November 30, 2025

TAPER TYPES & FORMULAS	
TAPER	FORMULA
Merging (Lane Closure)	"L"
Shifting	"L"/2 or ½"L"
Shoulder Closure	"L"/3 or ⅓"L"
Flagging (See Drg. TM850)	50' - 100'
Downstream (Termination)	Varies (See Drawings)

- ★ Use Pre-Construction Posted Speed to select the Speed from the Tables below:

TEMPORARY BARRIER FLARE RATE TABLE	
★ SPEED (mph)	MINIMUM FLARE RATE
≤ 30	8:1
35	9:1
40	10:1
45	12:1
50	14:1
55	16:1
60	18:1
65	19:1
70	20:1

MINIMUM LENGTHS TABLE					
"L" VALUE FOR TAPERS (ft)					BUFFER "B" (ft)
★ SPEED (mph)	W = Lane or Shoulder Width being closed or shifted				
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365
FREEWAYS					
55	1000	1000	1000	1000	250
60	1000	1000	1000	1000	285
65	1000	1000	1000	1000	325
70	1000	1000	1000	1000	365

NOTES:

- For Lane closures where $W < 10'$, use "L" value for $W = 10'$.
- For Shoulder closures where $W < 10'$, use "L" value for $W = 10'$ or calculate "L" using formula, for Speeds ≥ 45 : $L = WS$, Speeds < 45 : $L = S^2W/60$, $S =$ Speed, $W =$ Width

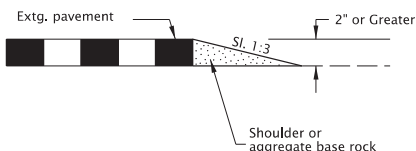
TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE				
★ SPEED (mph)	Sign Spacing (ft)			Max. Channelizing Device Spacing (ft)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
Freeway	1000	1500	2640	40

NOTES:

- Place traffic control devices on 10 ft. spacing for Intersection and access road.
- When necessary, sign spacing may be adjusted to fit site conditions.
- Limit spacing adjustments to 30% of the "A" dimension for all speeds.

NOTES:

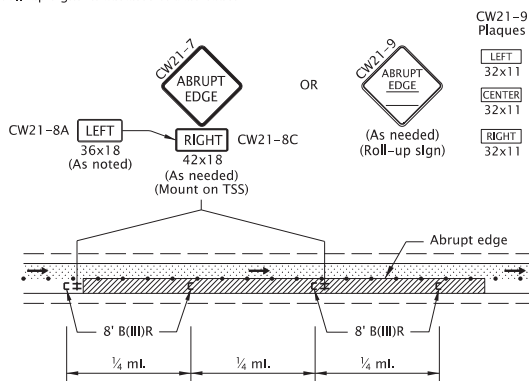
- When paved shoulders adjacent to excavations are less than four feet wide protect longitudinal abrupt edge as shown.
- Use aggregate wedge when abrupt edge is 2 inches or greater.



EXCAVATION ABRUPT EDGE

NOTES:

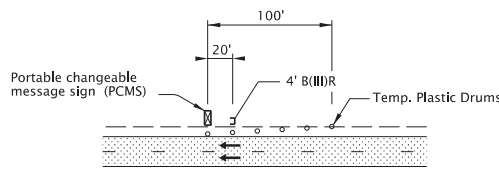
- Abrupt edges may be created by paving, operations, excavations or other roadway work. Use abrupt edge signing for longitudinal abrupt edges of 1 inch or greater.
- If the excavation is located on left side of traffic, replace the 8' B(III)R barricades with 8' B(III)L barricades and replace the "RIGHT" (CW21-8C) riders with "LEFT" (CW21-8A) riders.
- Continue signing and other traffic control devices throughout excavation area at spacings shown.
- If roll-up signs are used, attach the correct (CW21-9) plaques to the sign face using hook and loop fasteners. Place roll-up signs in advance of barricades.



TYPICAL ABRUPT EDGE DELINEATION

NOTES:

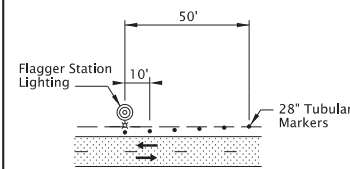
- Install PCMS beyond the outside shoulder, when possible.
- Use the appropriate type of barricade panels for PCMS location. Right shoulder, use Type B(III)R. Left shoulder, use Type B(III)L.
- Use six drums in shoulder taper on 20' spacing. The drums and barricade may be omitted when PCMS is placed behind a roadside barrier.
- Detail as shown is used for trailered and non-crashworthy components of:
 - Portable Traffic Signals
 - Smart Work Zone Systems



PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INSTALLATION

NOTES:

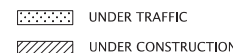
- Install Flagger Station Lighting beyond the outside shoulder, where practical.
- Use six tubular markers in shoulder taper on 10' spacing.
- Place cart / generator / power supply off of the shoulder, as far as practical.



FLAGGER STATION LIGHTING DELINEATION

GENERAL NOTES FOR ALL TCP DRAWINGS:

- Signs and other Traffic Control Devices (TCD) shown are the minimum required.
- Place a barricade approx. 20' ahead of all sequential arrow boards.
- Arrows shown in roadway are directional arrows to indicate traffic movements.
- All signs are 48" x 48" unless otherwise shown. Use fluorescent orange sheeting for the background of all temporary warning signs.
- All diamond shaped warning signs mounted on barrier sign supports shall be 36" by 36". All other signs mounted on barrier sign supports shall not exceed 12 sq. ft. in total sign area.
- Low speed highways have a pre-construction posted speed of 40 mph or less. High speed highways have a pre-construction posted speed of 45 mph or higher.
- Do not locate sign supports in locations designated for bicycle or pedestrian traffic.
- Combine drawing details to complete temporary traffic control for each work activity.
- Coordinate and control pedestrian movements through a Temporary Accessible Route using flaggers, Traffic Control Measures, or as directed.
- Provide a truck mounted attenuator (TMA) to protect the active work area on high speed divided highways or freeways when positive protection is not available, or as directed.
- To be accompanied by Dwg. Nos. TM820 & TM821.



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OREGON STANDARD DRAWINGS

TABLES, ABRUPT EDGE AND PCMS DETAILS

2024

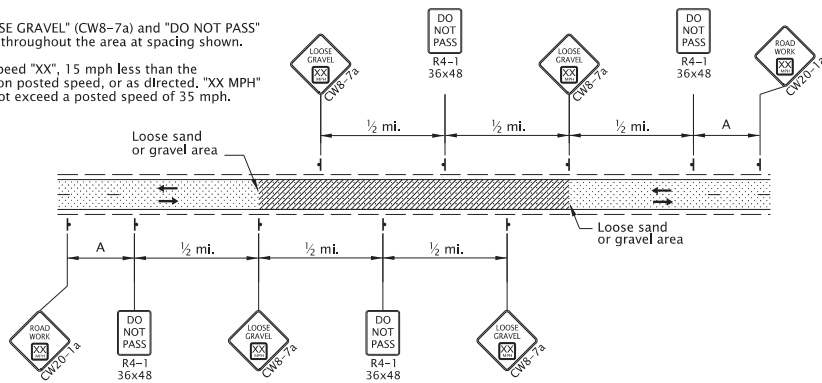
DATE	REVISION	DESCRIPTION
07-2022	Added a note for TPAAs	
07-2024	Added a note for TMAAs	
CALC. BOOK NO.	N/A	SDR DATE 12-JUL-2024

TM800

Effective Date: June 1, 2025 – November 30, 2025

NOTE:

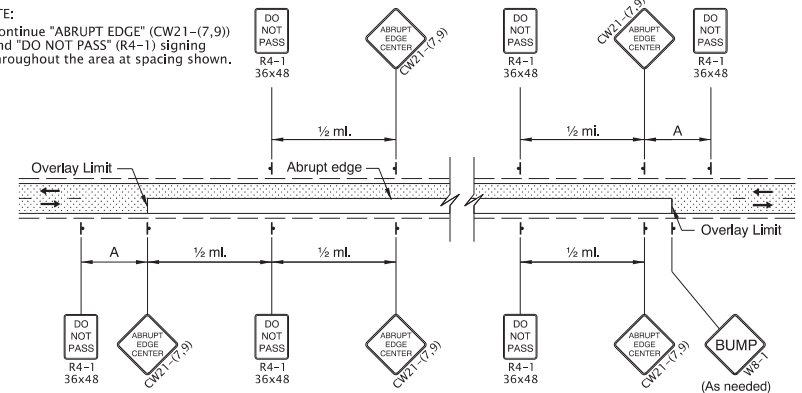
- Continue "LOOSE GRAVEL" (CW8-7a) and "DO NOT PASS" (R4-1) signing throughout the area at spacing shown.
- Use advisory speed "XX", 15 mph less than the pre-construction posted speed, or as directed. "XX MPH" placard shall not exceed a posted speed of 35 mph.



2-Lane, 2-Way Roadway
LOOSE GRAVEL IN ROADWAY SIGNING

NOTE:

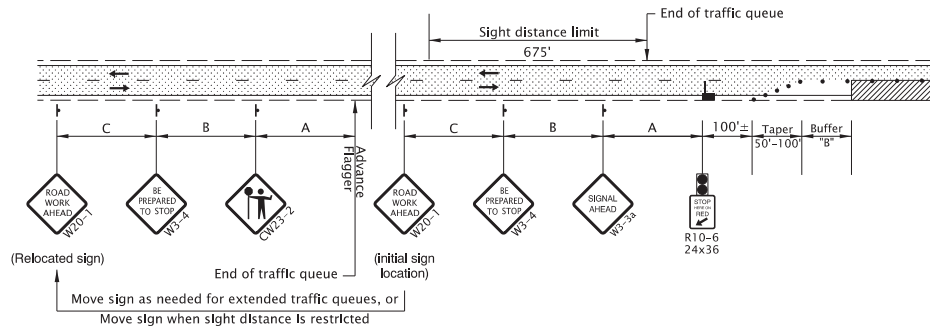
- Continue "ABRUPT EDGE" (CW21-(7,9)) and "DO NOT PASS" (R4-1) signing throughout the area at spacing shown.



2-Lane, 2-Way Roadway
OVERLAY AREA SIGNING

NOTES:

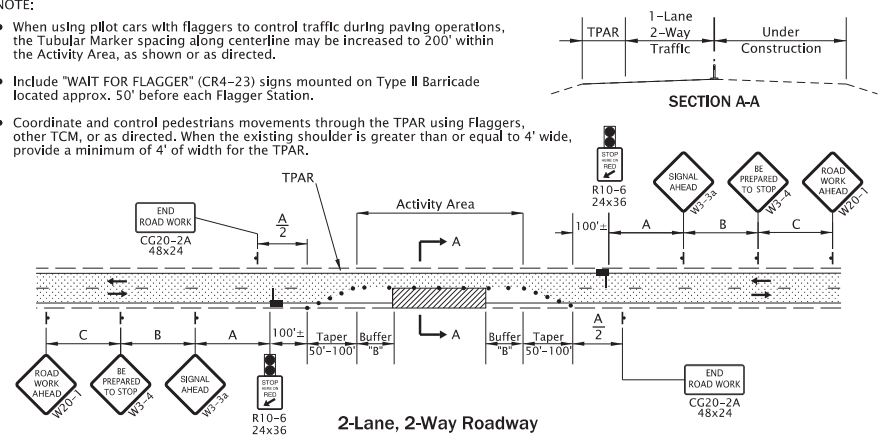
- Place Advance Flagger and additional signing when traffic queues extend beyond initial warning signing OR when sight distance is restricted.
- Place additional Tubular Markers for Flagger and Advance Flagger Stations according to FLAGGER STATION DELINEATION detail.
- Relocate initial "ROAD WORK AHEAD" (W20-1) sign in advance of additional "BE PREPARED TO STOP" (W3-4) and Flagger Ahead (CW23-2) signs, as shown.



ADVANCE FLAGGER FOR EXTENDED TRAFFIC QUEUES

NOTE:

- When using pilot cars with flaggers to control traffic during paving operations, the Tubular Marker spacing along centerline may be increased to 200' within the Activity Area, as shown or as directed.
- Include "WAIT FOR FLAGGER" (CR4-23) signs mounted on Type II Barricade located approx. 50' before each Flagger Station.
- Coordinate and control pedestrians movements through the TPAR using Flaggers, other TCM, or as directed. When the existing shoulder is greater than or equal to 4' wide, provide a minimum of 4' of width for the TPAR.



2-Lane, 2-Way Roadway
ONE LANE CLOSURE

GENERAL NOTES FOR ALL DETAILS:

- The "SIGNAL AHEAD" (W3-3a) sign may be substituted with the Signal Ahead (W3-3) symbol sign.
- Cover existing passing zone signing, as directed.
- Install temporary striping as required.
- To determine Taper Length ("L") and Buffer Length ("B"), use the "MINIMUM LENGTHS TABLE" shown on Dwg. No. TM800.
- To determine sign spacing A, B, and C, use "TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE" on Dwg. No. TM800.
- Install a "BICYCLES ON ROADWAY" (CW11-1) sign in advance of the closure when a bike lane is closed, or when the shoulder is closed and bikes are expected.
- At night, flagger stations shall be illuminated according to the FLAGGER STATION LIGHTING DELINEATION detail on Dwg. No. TM800.

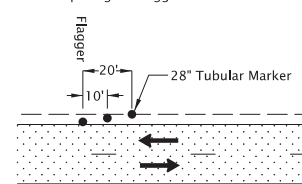
- To be accompanied by Dwg. Nos. TM820, TM821 & TM854.

- Automated Flagging Assistance Device (AFAD)
- 28" Tubular Markers on 20' max. spacing for flagger tapers and stations
- 28" Tubular Markers See TCD Spacing Table on TM800 for max. spacing.

- UNDER TRAFFIC
- UNDER CONSTRUCTION
- CONSTRUCTION UNDER TRAFFIC

NOTE:

- Use a minimum of 3 tubular markers in shoulder taper on 10' spacing for flagger station delineation.



FLAGGER STATION DELINEATION

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OREGON STANDARD DRAWINGS

2-LANE, 2-WAY ROADWAYS

2024

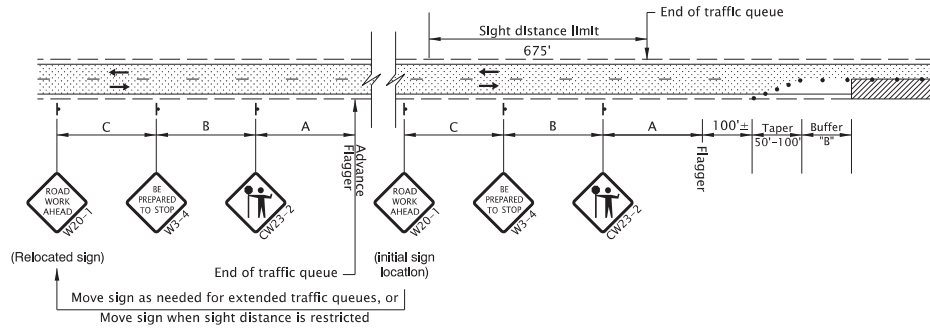
DATE	REVISION	DESCRIPTION
01-2022	Added AFADs to drawing.	
07-2025	Clarified location of "WAIT FOR FLAGGER" sign.	
CALC. BOOK NO.	N/A	SDR DATE 11-JUL-2025

TM850

Effective Date: December 1, 2025 – May 31, 2026

NOTES:

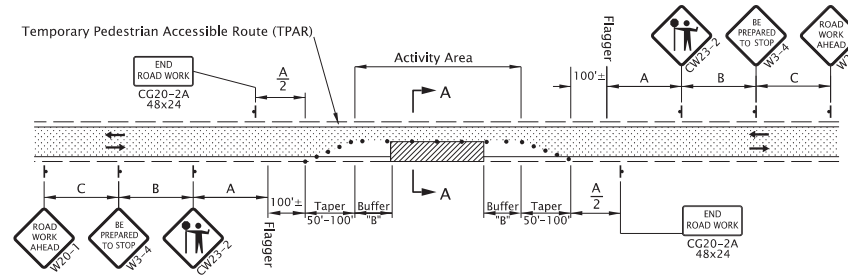
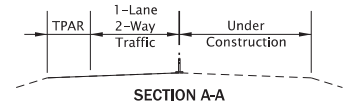
- Place Advance Flagger and additional signing when traffic queues extend beyond initial warning signing OR when sight distance is restricted.
- Place additional Tubular Markers for Flagger and Advance Flagger Stations according to FLAGGER STATION DELINEATION detail.
- Relocate initial "ROAD WORK AHEAD" (W20-1) sign in advance of additional "BE PREPARED TO STOP" (W3-4) and Flagger Ahead (CW23-2) signs, as shown.



ADVANCE FLAGGER FOR EXTENDED TRAFFIC QUEUES

NOTE:

- When using pilot cars with flaggers to control traffic during paving operations, the Tubular Marker spacing along centerline may be increased to 200' within the Activity Area, as shown or as directed.
- Include "WAIT FOR FLAGGER" (CR4-23) signs mounted on Type II Barricade located approx. 50' before each Flagger Station.
- Coordinate and control pedestrians movements through the TPAR using Flaggers, other TCM, or as directed. When the existing shoulder is greater than or equal to 4' wide, provide a minimum of 4' of width for the TPAR.



2-Lane, 2-Way Roadway
ONE LANE CLOSURE

GENERAL NOTES FOR ALL DETAILS:

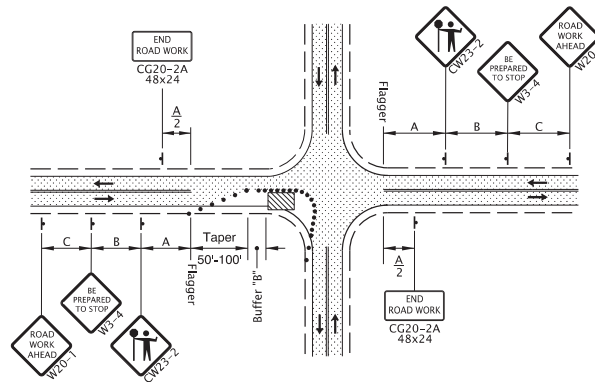
- This drawing is only intended to be used where an Automated Flagger Assistance Device (AFAD) cannot be utilized.
- The "FLAGGER" (CW23-2) symbol sign shall be used only in conjunction with the "BE PREPARED TO STOP" (W3-4) sign.
- Cover existing passing zone signing, as directed.
- Install temporary striping as required.
- To determine Taper Length ("L") and Buffer Length ("B"), use the "MINIMUM LENGTHS TABLE" shown on Dwg. No. TM800.
- To determine sign spacing A, B, and C, use "TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE" on Dwg. No. TM800.
- Install a "BICYCLES ON ROADWAY" (CW11-1) sign in advance of the closure when a bike lane is closed, or when the shoulder is closed and bikes are expected.
- At night, flagger stations shall be illuminated according to the FLAGGER STATION LIGHTING DELINEATION detail on Dwg No. TM800.
- To be accompanied by Dwg. Nos. TM820 & TM821.

- 28" Tubular Markers on 10' max. spacing around intersection radii.
- 28" Tubular Markers on 20' max. spacing for flagger tapers and stations
- 28" Tubular Markers See TCD Spacing Table on TM800 for max. spacing.

..... UNDER TRAFFIC
..... UNDER CONSTRUCTION

NOTE:

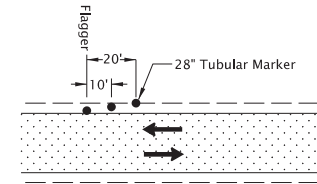
- Additional Traffic Control Measures (TCM) may be required for all legs of the intersection



2-Lane, 2-Way Roadway
ONE LANE CLOSURE, INTERSECTION

NOTE:

- Use a minimum of 3 tubular markers in shoulder taper on 10' spacing for flagger station delineation.



FLAGGER STATION DELINEATION

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OREGON STANDARD DRAWINGS

2-LANE, 2-WAY ROADWAYS

2024

DATE	REVISION	DESCRIPTION
MM-YYYY	REVISION	
07-2025	1	Clarified location of "WAIT FOR FLAGGER" sign.
CALC. BOOK NO.	N/A	SDR DATE 11-JUL-2025

TM855

Effective Date: December 1, 2025 – May 31, 2026