

NOTICE

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CONTRACT PROVISIONS AND PLANS

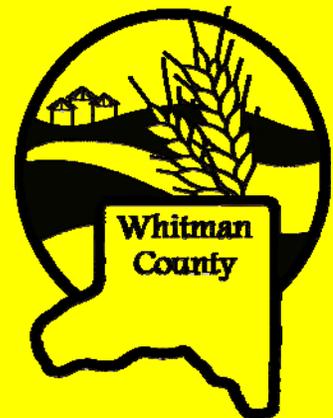
FOR CONSTRUCTION OF:

SAND ROAD

C.R.P. No. 9060-5

**WHITMAN COUNTY
DEPARTMENT OF
PUBLIC WORKS**

COLFAX, WASHINGTON



WHITMAN COUNTY
Department of Public Works

Mailing Address:
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Administration/Engineering
Road Maintenance
Equipment Rental &Revolving
Solid Waste Division
Planning Division
Building & Development

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SAND ROAD
C.R.P. No. 9060-5

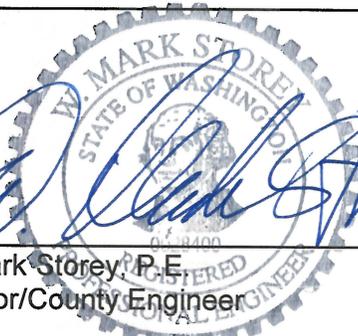
NOTICE TO ALL PLAN HOLDERS

Attached are the plans and specifications for the above referenced project. Questions may be addressed to the Whitman County Engineering Department at the Whitman County Engineer's Office, North 310 Main, Second Floor of the Public Service Building, Colfax, Washington.

PLAN FEE: \$40.00 (Non-Refundable)

APPROVED:

6-23-2016
Date


W. Mark Storey, P.E.
Director/County Engineer

EXPIRES 9-22-16

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C.R.P. No. 9060-5

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PROPOSAL BOND

INTRODUCTION

JANUARY 4, 2016

The following Amendments and Special Provisions shall be used in conjunction with the 2016 Standard Specifications for Road, Bridge, and Municipal Construction.

AMENDMENTS TO THE STANDARD SPECIFICATIONS

The following Amendments to the Standard Specifications are made a part of this contract and supersede any conflicting provisions of the Standard Specifications. For informational purposes, the date following each Amendment title indicates the implementation date of the Amendment or the latest date of revision.

Each Amendment contains all current revisions to the applicable section of the Standard Specifications and may include references which do not apply to this particular project.

SECTION 1-02, BID PROCEDURES AND CONDITIONS

APRIL 4, 2016

1-02.4(1) General

The first sentence of the last paragraph is revised to read:

Any prospective Bidder desiring an explanation or interpretation of the Bid Documents, shall request the explanation or interpretation in writing by close of business on the Thursday preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of their Bids.

1-02.9 Delivery of Proposal

The last sentence of the third paragraph is revised to read:

The Contracting Agency will not open or consider any Proposal when the Proposal or Bid deposit is received after the time specified for receipt of Proposals or received in a location other than that specified for receipt of Proposals unless an emergency or unanticipated event interrupts normal work processes of the Contracting Agency so that Proposals cannot be received.

The following new paragraph is inserted before the last paragraph:

If an emergency or unanticipated event interrupts normal work processes of the Contracting Agency so that Proposals cannot be received at the office designated for receipt of bids as specified in Section 1-02.12 the time specified for receipt of the Proposal will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which the normal work processes of the Contracting Agency resume.

1-02.12 Public Opening of Proposals

This section is supplemented with the following new paragraph:

If an emergency or unanticipated event interrupts normal work processes of the Contracting Agency so that Proposals cannot be opened at the time indicated in the call for Bids the time specified for opening of Proposals will be deemed to be extended to the same time of day on the first work day on which the normal work processes of the Contracting Agency resume.

SECTION 1-06, CONTROL OF MATERIAL

JANUARY 4, 2016

This section is supplemented with the following new section and subsections:

1-06.6 Recycled Materials

The Contractor shall make their best effort to utilize recycled materials in the construction of the project; the use of recycled concrete aggregate as specified in Section 1-06.6(1)A is a requirement of the Contract.

The Contractor shall submit a Recycled Material Utilization Plan as a Type 1 Working Drawing within 30 calendar days after the Contract is executed. The plan shall provide the Contractor's anticipated usage of recycled materials for meeting the requirements of these Specifications. The quantity of recycled materials will be provided in tons and as a percentage of the Plan quantity for each material listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material. When a Contract does not include Work that requires the use of a material that is included in the requirements for using materials the Contractor may state in their plan that no recycled materials are proposed for use.

Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT Form 350-075 Recycled Materials Reporting.

1-06.6(1) Recycling of Aggregate and Concrete Materials

1-06.6(1)A General

The minimum quantity of recycled concrete aggregate shall be 25 percent of the total quantity of aggregate that is incorporated into the Contract for those items listed in Section 9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material that allow the use of recycled concrete aggregate. The percentage of recycled material incorporated into the project for meeting the required percentage will be calculated in tons based on the quantity of recycled concrete used on the entire Contract and not as individual items.

If the Contractor's total cost for Work with recycled concrete aggregate is greater than without the Contractor may choose to not use recycled concrete aggregate. When the Contractor does not meet the minimum requirement of 25 percent recycled concrete aggregate for the Contract due to costs or any other reason the following shall be submitted:

1. A cost estimate for each material listed in Section 9-03.21(1)E that is utilized on the Contract. The cost estimate shall include the following:
 - a. The estimated costs for the Work for each material with 25 percent recycled concrete aggregate. The cost estimate shall include for each material a copy of the price quote from the supplier with the lowest total cost for the Work.
 - b. The estimated costs for the Work for each material without recycled concrete aggregate.

The Contractor's cost estimates shall be submitted as an attachment to the Recycled Materials Reporting form.

SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

APRIL 4, 2016

1-07.1 Laws to be Observed

In the second to last sentence of the third paragraph, "WSDOT" is revised to read "Contracting Agency".

1-07.2(2) State Sales Tax: WAC 458-20-170 – Retail Sales Tax

The last three sentences of the first paragraph are deleted and replaced with the following new sentence:

The Contractor (Prime or Subcontractor) shall include sales or use tax on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project, in the unit bid prices.

1-07.9(2) Posting Notices

Items 1 and 2 are revised to read:

1. EEOC - P/E-1 (revised 11/09, supplemented 09/15) – **Equal Employment Opportunity IS THE LAW** published by US Department of Labor. Post for projects with federal-aid funding.
2. FHWA 1022 (revised 05/15) – **NOTICE Federal-Aid Project** published by Federal Highway Administration (FHWA). Post for projects with federal-aid funding.

Items 5, 6 and 7 are revised to read:

5. WHD 1420 (revised 02/13) – **Employee Rights and Responsibilities Under The Family And Medical Leave Act** published by US Department of Labor. Post on all projects.
6. WHD 1462 (revised 01/16) – **Employee Polygraph Protection Act** published by US Department of Labor. Post on all projects.
7. F416-081-909 (revised 09/15) – **Job Safety and Health Law** published by Washington State Department of Labor and Industries. Post on all projects.

Items 9 and 10 are revised to read:

9. F700-074-909 (revised 06/13) – **Your Rights as a Worker in Washington State** by Washington State Department of Labor and Industries (L&I). Post on all projects.
10. EMS 9874 (revised 10/15) – **Unemployment Benefits** published by Washington State Employment Security Department. Post on all projects.

SECTION 1-08, PROSECUTION AND PROGRESS

JANUARY 4, 2016

1-08.1(1) Prompt Payment, Subcontract Completion and Return of Retainage Withheld

In item number 5 of the first paragraph, "WSDOT" is revised to read "Contracting Agency".

SECTION 1-09, MEASUREMENT AND PAYMENT

APRIL 4, 2016

1-09.6 Force Account

The second sentence of item number 4 is revised to read:

A "specialized service" is a work operation that is not typically done by worker classifications as defined by the Washington State Department of Labor and Industries and by the Davis Bacon Act, and therefore bills by invoice for work in road, bridge and municipal construction.

SECTION 8-01, EROSION CONTROL AND WATER POLLUTION CONTROL

APRIL 4, 2016

8-01.2 Materials

This section is supplemented with the following new paragraph:

Recycled concrete, in any form, shall not be used for any Work defined in Section 8-01.

8-01.3(8) Street Cleaning

This section is revised to read:

Self-propelled street sweepers shall be used to remove and collect sediment and other debris from the Roadway, whenever required by the Engineer. The street sweeper shall effectively collect these materials and prevent them from being washed or blown off the Roadway or into waters of the State. Street sweepers shall not generate fugitive dust and shall be designed and operated in compliance with applicable air quality standards.

Material collected by the street sweeper shall be disposed of in accordance with Section 2-03.3(7)C.

Street washing with water will require the concurrence of the Engineer.

SECTION 8-10, GUIDE POSTS

JANUARY 4, 2016

8-10.3 Construction Requirements

The last sentence of the second paragraph is deleted.

SECTION 9-03, AGGREGATES

APRIL 4, 2016

9-03.1(1) General Requirements

This first paragraph is supplemented with the following:

Reclaimed aggregate may be used if it complies with the specifications for Portland Cement Concrete. Reclaimed aggregate is aggregate that has been recovered from plastic concrete by washing away the cementitious materials.

9-03.1(2) Fine Aggregate for Portland Cement Concrete

This section is revised to read:

Fine aggregate shall consist of natural sand or manufactured sand, or combinations thereof, accepted by the Engineer, having hard, strong, durable particles free from adherent coating. Fine aggregate shall be washed thoroughly to meet the specifications.

9-03.1(2)A Deleterious Substances

This section is revised to read:

The amount of deleterious substances in the washed aggregate shall be tested in accordance with AASHTO M 6 and not exceed the following values:

Material finer than No. 200 Sieve	2.5 percent by weight
Clay lumps and friable particles	3.0 percent by weight
Coal and lignite	0.25 percent by weight
Particles of specific gravity less than 2.00	1.0 percent by weight.

Organic impurities shall be tested in accordance with AASHTO T 21 by the glass color standard procedure and results darker than organic plate no. 3 shall be rejected. A darker color results from AASHTO T 21 may be used provided that when tested for the effect of organic impurities on strength of mortar, the relative strength at 7 days, calculated in accordance with AASHTO T 71, is not less than 95 percent.

9-03.1(4) Coarse Aggregate for Portland Cement Concrete

This section is revised to read:

Coarse aggregate for concrete shall consist of gravel, crushed gravel, crushed stone, or combinations thereof having hard, strong, durable pieces free from adherent coatings. Coarse aggregate shall be washed to meet the specifications.

9-03.1(4)A Deleterious

This section, including title, is revised to read:

9-03.1(4)A Deleterious Substances

The amount of deleterious substances in the washed aggregate shall be tested in accordance with AASHTO M 80 and not exceed the following values:

Material finer than No. 200	1.0 ¹ percent by weight
Clay lumps and Friable Particles	2.0 percent by weight
Shale	2.0 percent by weight
Wood waste	0.05 percent by weight
Coal and Lignite	0.5 percent by weight
Sum of Clay Lumps, Friable Particles, and Chert (Less Than 2.40 specific gravity SSD)	3.0 percent by weight

¹If the material finer than the No. 200 sieve is free of clay and shale, this percentage may be increased to 1.5.

9-03.1(4)C Grading

The following new sentence is inserted at the beginning of the last paragraph:

Where coarse aggregate size 467 is used, the aggregate may be furnished in at least two separate sizes.

9-03.1(5) Combined Aggregate Gradation for Portland Cement Concrete

This section is revised to read:

As an alternative to using the fine aggregate sieve grading requirements in Section 9-03.1(2)B, and coarse aggregate sieve grading requirements in Section 9-03.1(4)C, a combined aggregate gradation conforming to the requirements of Section 9-03.1(5)A may be used.

9-03.1(5)A Deleterious Substances

This section is revised to read:

The amount of deleterious substances in the washed aggregates $\frac{3}{8}$ inch or larger shall not exceed the values specified in Section 9-03.1(4)A and for aggregates smaller than $\frac{3}{8}$ inch they shall not exceed the values specified in Section 9-03.1(2)A.

9-03.1(5)B Grading

The first paragraph is deleted.

9-03.8(7) HMA Tolerances and Adjustments

In the table in item 1, the last column titled "Commercial Evaluation" is revised to read "Visual Evaluation".

9-03.21(1)B Concrete Rubble

This section, including title, is revised to read:

9-03.21(1)B Recycled Concrete Aggregate

Recycled concrete aggregates are coarse aggregates manufactured from hardened concrete mixtures. Recycled concrete aggregate may be used as coarse aggregate or blended with coarse aggregate for Commercial Concrete. Recycled concrete aggregate shall meet all of the requirements for coarse aggregate contained in Section 9-03.1(4) or 9-03.1(5). In addition to the requirements of Section 9-03.1(4) or 9-03.1(5), recycled concrete shall:

1. Contain an aggregated weight of less than 1 percent of adherent fines, vegetable matter, plastics, plaster, paper, gypsum board, metals, fabrics, wood, tile, glass, asphalt (bituminous) materials, brick, porcelain or other deleterious substance(s) not otherwise noted;
2. Be free of harmful components such as chlorides and reactive materials unless mitigation measures are taken to prevent recurrence in the new concrete;
3. Have an absorption of less than 10 percent when tested in accordance with AASHTO T 85.

Recycled concrete aggregate shall be in a saturated condition prior to mixing.

Recycled concrete aggregate shall not be placed below the ordinary high water mark of any water of the State.

9-03.21(1)D Recycled Steel Furnace Slag

This section title is revised to read:

Steel Furnace Slag

9-03.21(1)E Table on Maximum Allowable Percent (By Weight) of Recycled Material

The following new row is inserted after the second row:

Coarse Aggregate for Commercial Concrete	9-03.1(4)	0	100	0	0
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SPECIAL PROVISIONS

INTRODUCTION TO THE SPECIAL PROVISIONS

AUGUST 14, 2013 (APWA GSP) INTRO

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2016 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter “Standard Specifications”). The Standard Specifications, as modified or supplemented by the Amendments to the Standard Specifications and these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

These Special Provisions are made up of both General Special Provisions (GSPs) from various sources, which may have project-specific fill-ins; and project-specific Special Provisions. Each Provision either supplements, modifies, or replaces the comparable Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition to any subsection or portion of the Standard Specifications is meant to pertain only to that particular portion of the section, and in no way should it be interpreted that the balance of the section does not apply.

The project-specific Special Provisions are not labeled as such. The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

- March 8, 2013 (APWA GSP)
- April 1, 2013 (WSDOT GSP)
- May 1, 2013 (WC GSP)

Also incorporated into the Contract Documents by reference are:

- *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted edition, with Washington State modifications, if any
- *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT/APWA, current edition

Contractor shall obtain copies of these publications, at Contractor’s own expense.

DIVISION 1
GENERAL REQUIREMENTS
(WSDOT GSP) DIVISION1.GR1

DESCRIPTION OF WORK
(WSDOT GSP) DESWORK.GR1

LOCATION OF PROJECT
MAY 8, 1996 (WC GSP) LOCATION

The project is located on County Road No. 9060 from milepost 2.53 to milepost 6.36, approximately 2½ miles southeast of Pullman, Washington.

DESCRIPTION OF WORK
MARCH 13, 1995 (WSDOT GSP) DESWORK1.FR1

This contract provides for the improvement of approximately 3.83 miles of County Road No. 9060 with grading, draining, surfacing and guardrail, all in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications.

DEFINITIONS AND TERMS
(APWA GSP) 1-01.GR1

DEFINITIONS
JANUARY 4, 2016 (APWA GSP) 1-01.3

Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them with the following:

Dates

Bid Opening Date

The date on which the Contracting Agency publicly opens and reads the Bids.

Award Date

The date of the formal decision of the Contracting Agency to accept the lowest responsible and responsive Bidder for the Work.

Contract Execution Date

The date the Contracting Agency officially binds the Agency to the Contract.

Notice to Proceed Date

The date stated in the Notice to Proceed on which the Contract time begins.

Substantial Completion Date

The day the Engineer determines the Contracting Agency has full and unrestricted use and benefit of the facilities, both from the operational and safety standpoint, any remaining traffic disruptions will be rare and brief, and only minor incidental work, replacement of temporary substitute facilities, plant establishment periods, or correction or repair remains for the Physical Completion of the total Contract.

Physical Completion Date

The day all of the Work is physically completed on the project. All documentation required by the Contract and required by law does not necessarily need to be furnished by the Contractor by this date.

Completion Date

The day all the Work specified in the Contract is completed and all the obligations of the Contractor under the contract are fulfilled by the Contractor. All documentation required by the Contract and required by law must be furnished by the Contractor before establishment of this date.

Final Acceptance Date

The date on which the Contracting Agency accepts the Work as complete.

Supplement this Section with the following:

All references in the Standard Specifications, Amendments, or WSDOT General Special Provisions, to the terms "Department of Transportation", "Washington State Transportation Commission", "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".

All references to the terms "State" or "state" shall be revised to read "Contracting Agency" unless the reference is to an administrative agency of the State of Washington, a State statute or regulation, or the context reasonably indicates otherwise.

All references to "State Materials Laboratory" shall be revised to read "Contracting Agency designated location".

All references to "final contract voucher certification" shall be interpreted to mean the Contracting Agency form(s) by which final payment is authorized, and final completion and acceptance granted.

Additive

A supplemental unit of work or group of bid items, identified separately in the Bid Proposal, which may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.

Alternate

One of two or more units of work or groups of bid items, identified separately in the Bid Proposal, from which the Contracting Agency may make a choice between different methods or material of construction for performing the same work.

Business Day

A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.

Contract Bond

The definition in the Standard Specifications for "Contract Bond" applies to whatever bond form(s) are required by the Contract Documents, which may be a combination of a Payment Bond and a Performance Bond.

Contract Documents

See definition for "Contract".

Contract Time

The period of time established by the terms and conditions of the Contract within which the Work must be physically completed.

Notice of Award

The written notice from the Contracting Agency to the successful Bidder signifying the Contracting Agency's acceptance of the Bid Proposal.

Notice to Proceed

The written notice from the Contracting Agency or Engineer to the Contractor authorizing and directing the Contractor to proceed with the Work and establishing the date on which the Contract time begins.

Traffic

Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and equestrian traffic.

BID PROCEDURES AND CONDITIONS

(WSDOT GSP) 1-02.GR1

PRE-BID SHOWING

APRIL 7, 1995 (WC GSP) PREBID

The project is scheduled for a pre-bid showing to all prospective bidders on **Thursday, July 7, 2016**. All interested bidders are invited to meet at the County Engineer's Office, North 310 Main Street, 2nd Floor, Colfax, Washington at **9:00 a.m.** Pacific Daylight Savings Time.

QUALIFICATIONS OF BIDDER

JANUARY 24, 2011 (APWA GSP) 1-02.1

Delete Section 1-02.1 and replace it with the following:

Before award of a public works contract, a bidder must meet at least the minimum qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a public works project.

PLANS AND SPECIFICATIONS

JUNE 27, 2011 (APWA GSP) 1-02.2

Delete Section 1-02.2 and replace it with the following:

Information as to where Bid Documents can be obtained or reviewed can be found in the Call for Bids (Advertisement for Bids) for the work.

After award of the contract, plans and specifications will be issued to the Contractor at no cost as detailed below:

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	5	Furnished automatically upon award.
Contract Provisions	5	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	3	Furnished only upon request.

Additional plans and Contract Provisions may be obtained by the Contractor from the source stated in the Call for Bids, at the Contractor's own expense.

BID DEPOSIT

MARCH 8, 2013 (APWA GSP) 1-02.7

Supplement Section 1-02.7 with the following:

Bid bonds shall contain the following:

1. Contracting Agency-assigned number for the project;
2. Name of the project;
3. The Contracting Agency named as obligee;
4. The amount of the bid bond stated either as a dollar figure or as a percentage which represents five percent of the maximum bid amount that could be awarded;
5. Signature of the bidder's officer empowered to sign official statements. The signature of the person authorized to submit the bid should agree with the signature on the bond, and the title of the person must accompany the said signature;
6. The signature of the surety's officer empowered to sign the bond and the power of attorney.

If so stated in the Contract Provisions, bidder must use the bond form included in the Contract Provisions.

If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.

DELIVERY OF PROPOSAL

AUGUST 15, 2012 (APWA GSP) 1-02.9 OPTION A

Delete Section 1-02.9 and replace it with the following:

Each proposal shall be submitted in a sealed envelope, with the Project Name and Project Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as otherwise required in the Bid Documents, to ensure proper handling and delivery.

If the project has FHWA funding and requires DBE Written Confirmation Documents or Good Faith Effort Documentation, then to be considered responsive, the Bidder shall submit with their Bid Proposal, written Confirmation Documentation from each DBE firm listed on the Bidder's completed DBE Utilization Certification, form 272-056A EF, as required by Section 1-02.6.

The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids.

WITHDRAWING, REVISING, OR SUPPLEMENTING PROPOSAL

JULY 23, 2015 (APWA GSP) 1-02.10

Delete Section 1-02.10 and replace it with the following:

After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may withdraw, revise, or supplement it if:

1. The Bidder submits a written request signed by an authorized person and physically delivers it to the place designated for receipt of Bid Proposals, and
2. The Contracting Agency receives the request before the time set for receipt of Bid Proposals, and
3. The revised or supplemented Bid Proposal (if any) is received by the Contracting Agency before the time set for receipt of Bid Proposals.

If the Bidder's request to withdraw, revise, or supplement its Bid Proposal is received before the time set for receipt of Bid Proposals, the Contracting Agency will return the unopened Proposal package to the Bidder. The Bidder must then submit the revised or supplemented package in its entirety. If the Bidder does not submit a revised or supplemented package, then its bid shall be considered withdrawn.

Late revised or supplemented Bid Proposals or late withdrawal requests will be date recorded by the Contracting Agency and returned unopened. Mailed, emailed, or faxed requests to withdraw, revise, or supplement a Bid Proposal are not acceptable.

PUBLIC OPENING OF PROPOSALS

(WSDOT GSP) 1-02.12.GR1

(WSDOT GSP) 1-02.12.INST1.GR1

Section 1-02.12 is supplemented with the following:

NOVEMBER 20, 2000 (WC GSP) 1-02.12

Date of Opening Bids

Sealed bids will be received by the Board of County Commissioners of Whitman County, State of Washington, at its office in the Whitman County Courthouse, N. 400 Main Street, Colfax, Washington, until **11:15 a.m. Pacific Daylight Savings Time, on Monday, July 18, 2016** at which time all bids will be opened and publicly read.

IRREGULAR PROPOSALS

JANUARY 4, 2016 (APWA GSP) 1-02.13

Delete Section 1-02.13 and replace it with the following:

1. A proposal will be considered irregular and will be rejected if:
 - a. The Bidder is not prequalified when so required;
 - b. The authorized proposal form furnished by the Contracting Agency is not used or is altered;

- c. The completed proposal form contains any unauthorized additions, deletions, alternate Bids, or conditions;
 - d. The Bidder adds provisions reserving the right to reject or accept the award, or enter into the Contract;
 - e. A price per unit cannot be determined from the Bid Proposal;
 - f. The Proposal form is not properly executed;
 - g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as required in Section 1-02.6;
 - h. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification, if applicable, as required in Section 1-02.6;
 - i. The Bidder fails to submit written confirmation from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidders DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
 - j. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award was made;
 - k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
 - l. More than one proposal is submitted for the same project from a Bidder under the same or different names.
2. A Proposal may be considered irregular and may be rejected if:
- a. The Proposal does not include a unit price for every Bid item;
 - b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
 - c. Receipt of Addenda is not acknowledged;
 - d. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
 - e. If Proposal form entries are not made in ink.

PRE AWARD INFORMATION

AUGUST 14, 2013 (APWA GSP) 1-02.15

Revise Section 1-02.15 to read:

Before awarding any contract, the Contracting Agency may require one or more of these items or actions of the apparent lowest responsible bidder:

1. A complete statement of the origin, composition, and manufacture of any or all materials to be used,
2. Samples of these materials for quality and fitness tests,
3. A progress schedule (in a form the Contracting Agency requires) showing the order of and time required for the various phases of the work,
4. A breakdown of costs assigned to any bid item,
5. Attendance at a conference with the Engineer or representatives of the Engineer,
6. Obtain, and furnish a copy of, a business license to do business in the city or county where the work is located.
7. Any other information or action taken that is deemed necessary to ensure that the bidder is the lowest responsible bidder.

AWARD AND EXECUTION OF CONTRACT

(WSDOT GSP) 1-03.GR1

CONTRACT BOND

JULY 23, 2015 (APWA GSP) 1-03.4

Delete the first paragraph and replace it with the following:

The successful bidder shall provide executed payment and performance bond(s) for the full contract amount. The bond may be a combined payment and performance bond; or be separate payment and performance bonds. In the case of separate payment and performance bonds, each shall be for the full contract amount. The bond(s) shall:

1. Be on Contracting Agency-furnished form(s);
2. Be signed by an approved surety (or sureties) that:
 - a. Is registered with the Washington State Insurance Commissioner, and
 - b. Appears on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner,
3. Guarantee that the Contractor will perform and comply with all obligations, duties, and conditions under the Contract, including but not limited to the duty and obligation to indemnify, defend, and protect the Contracting Agency against all losses and claims related directly or indirectly from any failure:
 - a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors of the Contractor) to faithfully perform and comply with all contract obligations, conditions, and duties, or
 - b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors, material person, or any other person who provides supplies or provisions for carrying out the work;
4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project under titles 50, 51, and 82 RCW; and
5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and
6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or vice president, unless accompanied by written proof of the authority of the individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such effect signed by the president or vice president).

JUDICIAL REVIEW

JULY 23, 2015 (APWA GSP) 1-03.7

Revise this section to read:

Any decision made by the Contracting Agency regarding the Award and execution of the Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted under Washington Law. Such review, if any, shall be timely filed in the Superior Court of the

county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.05 shall control venue and jurisdiction.

CONTROL OF WORK

(WSDOT GSP) 1-05.GR1

CONFORMITY WITH AND DEVIATIONS FROM PLANS AND STAKES

(WSDOT GSP) 1-05.4GR1

(WSDOT GSP) 1-05.4.INST1.GR1

Section 1-05.4 is supplemented with the following:

Contractor Surveying – Roadway

JULY 1, 2012 (WC GSP) 1-05.4.OPT2.GR1

Copies of the Contracting Agency provided primary survey control data are available for the bidder's inspection at the office of the Project Engineer.

The Contractor shall be responsible for maintaining and resetting all alignment stakes, slope stakes, and grades necessary for the construction of the roadbed, drainage, surfacing, paving, channelization and pavement marking, illumination and signals, guardrails and barriers, and signing. Except for the survey control data to be furnished by the Contracting Agency, calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility.

The Contractor shall inform the Engineer when monuments are discovered that were not identified in the Plans and construction activity may disturb or damage the monuments. All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the length of the project or be replaced at the Contractors expense.

Detailed survey records shall be maintained, including a description of the work performed on each shift, the methods utilized, and the control points used. The record shall be adequate to allow the survey to be reproduced. A copy of each day's record shall be provided to the Engineer within three working days after the end of the shift.

The meaning of words and terms used in this provision shall be as listed in "Definitions of Surveying and Associated Terms" current edition, published by the American Congress on Surveying and Mapping and the American Society of Civil Engineers.

The survey work shall include but not be limited to the following:

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency. The description shall include coordinates and elevations of all secondary control points.
2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 50 feet.
3. Establish clearing limits, placing stakes at all angle points and at intermediate points not more than 50 feet apart. The clearing and grubbing limits shall be 5 feet beyond

the toe of a fill and 10 feet beyond the top of a cut unless otherwise shown in the Plans.

4. Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes. If Global Positioning Satellite (GPS) Machine Controls are used to provide grade control, then slope stakes may be omitted at the discretion of the Project Engineer.
5. Establish the horizontal and vertical location of all drainage features, placing offset stakes to all drainage structures and to pipes at a horizontal interval not greater than 25 feet.
6. Establish roadbed and surfacing elevations by placing stakes at the top of subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-foot intervals in intersection radii with a radius less than 10 feet. Transversely, stakes shall be placed at all locations where the roadway slope changes and at additional points such that the transverse spacing of stakes is not more than 12 feet. If GPS Machine Controls are used to provide grade control, then roadbed and surfacing stakes may be omitted at the discretion of the Project Engineer.
7. Establish intermediate elevation benchmarks as needed to check work throughout the project.
8. Provide references for paving pins at 25-foot intervals or provide simultaneous surveying to establish location and elevation of paving pins as they are being placed.
9. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, guardrails and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.
10. The Contractor shall collect additional topographic survey data as needed in order to match into existing roadways such that the transition from the new pavement to the existing pavement is smooth and that the pavement and ditches drain properly. If changes to the profiles or roadway sections shown in the contract plans are needed to achieve proper smoothness and drainage where matching into existing features, the Contractor shall submit these changes to the Project Engineer for review and approval 10 days prior to the beginning of work.

The Contractor shall provide the Contracting Agency copies of any calculations and staking data when requested by the Engineer.

To facilitate the establishment of these lines and elevations, the Contracting Agency will provide the Contractor with primary survey control information consisting of descriptions of two primary control points used for the horizontal and vertical control, and descriptions of two additional primary control points for every additional three miles of project length. Primary control points will be described by reference to the project alignment and the coordinate system and elevation datum utilized by the project. In addition, the Contracting Agency will supply horizontal coordinates for the beginning and ending points and for each Point of Intersection (PI) on each alignment included in the project.

The Contractor shall ensure a surveying accuracy within the following tolerances:

	<u>Vertical</u>	<u>Horizontal</u>
Slope stakes	±0.10 feet	±0.10 feet
Subgrade grade stakes set 0.04 feet below grade	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Stationing on roadway	N/A	±0.1 feet
Alignment on roadway	N/A	±0.04 feet
Surfacing grade stakes	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Roadway paving pins for surfacing or paving	±0.01 feet	±0.2 feet (parallel to alignment) ±0.1 feet (normal to alignment)

The Contracting Agency may spot-check the Contractor's surveying. These spot-checks will not change the requirements for normal checking by the Contractor.

When staking roadway alignment and stationing, the Contractor shall perform independent checks from different secondary control to ensure that the points staked are within the specified survey accuracy tolerances.

The Contractor shall calculate coordinates for the alignment. The Contracting Agency will verify these coordinates prior to issuing approval to the Contractor for commencing with the work. The Contracting Agency will require up to seven calendar days from the date the data is received.

Contract work to be performed using contractor-provided stakes shall not begin until the stakes are approved by the Contracting Agency. Such approval shall not relieve the Contractor of responsibility for the accuracy of the stakes.

Stakes shall be marked in accordance with Standard Plan A10.10. When stakes are needed that are not described in the Plans, then those stakes shall be marked, at no additional cost to the Contracting Agency as ordered by the Engineer.

Payment

Payment will be made in accordance with Section 1-04.1 for the following bid item when included in the proposal:

"Roadway Surveying", lump sum.

The lump sum contract price for "Roadway Surveying" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified, including any resurveying, checking, correction of errors, replacement of missing or damaged stakes, and coordination efforts.

Supplement Section 1-05.4 with the following:

Roadway and Utility Surveys

The Engineer shall furnish to the Contractor one time only all principal lines, grades, and measurements the Engineer deems necessary for completion of the work. These shall generally consist of one initial set of:

1. Slope stakes for establishing grading;
2. Curb grade stakes;
3. Centerline finish grade stakes for pavement sections wider than 25 feet; and
4. Offset points to establish line and grade for underground utilities such as water, sewers, and storm drains.

On alley construction projects with minor grade changes, the Engineer shall provide only offset hubs on one side of the alley to establish the alignment and grade.

REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK

OCTOBER 1, 2005 (APWA GSP) 1-05.7

Supplement Section 1-05.7 with the following:

If the Contractor fails to remedy defective or unauthorized work within the time specified in a written notice from the Engineer, or fails to perform any part of the work required by the Contract Documents, the Engineer may correct and remedy such work as may be identified in the written notice, with Contracting Agency forces or by such other means as the Contracting Agency may deem necessary.

If the Contractor fails to comply with a written order to remedy what the Engineer determines to be an emergency situation, the Engineer may have the defective and unauthorized work corrected immediately, have the rejected work removed and replaced, or have work the Contractor refuses to perform completed by using Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, or to become due, the Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and costs for repair and replacement of work of others destroyed or damaged by correction, removal, or replacement of the Contractor's unauthorized work.

No adjustment in contract time or compensation will be allowed because of the delay in the performance of the work attributable to the exercise of the Contracting Agency's rights provided by this Section.

The rights exercised under the provisions of this section shall not diminish the Contracting Agency's right to pursue any other avenue for additional remedy or damages with respect to the Contractor's failure to perform the work as required.

FINAL INSPECTION

OCTOBER 1, 2005 (APWA GSP) 1-05.11

Delete Section 1-05.11 and replace it with the following:

1-05.11 Final Inspections and Operational Testing

1-05.11(1) Substantial Completion Date

When the Contractor considers the work to be substantially complete, the Contractor shall so notify the Engineer and request the Engineer establish the Substantial Completion Date. The Contractor's request shall list the specific items of work that remain to be completed in order to reach physical completion. The Engineer will schedule an inspection of the work with the Contractor to determine the status of completion. The Engineer may also establish the Substantial Completion Date unilaterally.

If, after this inspection, the Engineer concurs with the Contractor that the work is substantially complete and ready for its intended use, the Engineer, by written notice to the Contractor, will set the Substantial Completion Date. If, after this inspection the Engineer does not consider the work substantially complete and ready for its intended use, the Engineer will, by written notice, so notify the Contractor giving the reasons therefore.

Upon receipt of written notice concurring in or denying substantial completion, whichever is applicable, the Contractor shall pursue vigorously, diligently and without unauthorized interruption, the work necessary to reach Substantial and Physical Completion. The Contractor shall provide the Engineer with a revised schedule indicating when the Contractor expects to reach substantial and physical completion of the work.

The above process shall be repeated until the Engineer establishes the Substantial Completion Date and the Contractor considers the work physically complete and ready for final inspection.

1-05.11(2) Final Inspection and Physical Completion Date

When the Contractor considers the work physically complete and ready for final inspection, the Contractor by written notice, shall request the Engineer to schedule a final inspection. The Engineer will set a date for final inspection. The Engineer and the Contractor will then make a final inspection and the Engineer will notify the Contractor in writing of all particulars in which the final inspection reveals the work incomplete or unacceptable. The Contractor shall immediately take such corrective measures as are necessary to remedy the listed deficiencies. Corrective work shall be pursued vigorously, diligently, and without interruption until physical completion of the listed deficiencies. This process will continue until the Engineer is satisfied the listed deficiencies have been corrected.

If action to correct the listed deficiencies is not initiated within 7 days after receipt of the written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7.

The Contractor will not be allowed an extension of contract time because of a delay in the performance of the work attributable to the exercise of the Engineer's right hereunder.

Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting Agency, in writing, of the date upon which the work was considered physically complete. That date shall constitute the Physical Completion Date of the contract, but shall

not imply acceptance of the work or that all the obligations of the Contractor under the contract have been fulfilled.

1-05.11(3) Operational Testing

It is the intent of the Contracting Agency to have at the Physical Completion Date a complete and operable system. Therefore when the work involves the installation of machinery or other mechanical equipment; street lighting, electrical distribution or signal systems; irrigation systems; buildings; or other similar work it may be desirable for the Engineer to have the Contractor operate and test the work for a period of time after final inspection but prior to the physical completion date. Whenever items of work are listed in the Contract Provisions for operational testing they shall be fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

The costs for power, gas, labor, material, supplies, and everything else needed to successfully complete operational testing, shall be included in the unit contract prices related to the system being tested, unless specifically set forth otherwise in the proposal.

Operational and test periods, when required by the Engineer, shall not affect a manufacturer's warranties or warranties furnished under the terms of the contract.

SUPERINTENDENTS, LABOR AND EQUIPMENT OF CONTRACTOR

AUGUST 14, 2013 (APWA GSP) 1-05.13

Delete the sixth and seventh paragraphs of Section 1-05.13.

COOPERATION WITH OTHER CONTRACTORS

(WSDOT GSP) 1-05.14.GR1

(WSDOT GSP) 1-05.14.INST1.GR1

Section 1-05.14 is supplemented with the following:

Other Contracts Or Other Work

MARCH 13, 1995 (WSDOT GSP) 1-05.14.OPT.FR1

It is anticipated that the following work adjacent to or within the limits of this project will be performed by others during the course of this project and will require coordination of the work:

Edmondson Bridge Replacement at milepost 4.21 and Snow Bridge Maintenance at milepost 5.02 will be performed by county forces.

METHOD OF SERVING NOTICES

MARCH 25, 2009 (APWA GSP) 1-05.15

Revise the second paragraph of Section 1-05.15 to read:

All correspondence from the Contractor shall be directed to the Project Engineer. All correspondence from the Contractor constituting any notification, notice of protest, notice of dispute, or other correspondence constituting notification required to be furnished under the Contract, must be in paper format, hand delivered or sent via mail delivery service to the Project Engineer's office. Electronic copies such as e-mails or electronically delivered copies of correspondence will not constitute such notice and will not comply with the requirements of the Contract.

WATER AND POWER

OCTOBER 1, 2005 (APWA GSP) 1-05.16

Add the following new Section 1-05.16:

The Contractor shall make necessary arrangements, and shall bear the costs for power and water necessary for the performance of the work, unless the contract includes power and water as a pay item.

CONTROL OF MATERIAL

(WSDOT GSP) 1-06.GR1

RECYCLED MATERIALS

JANUARY 4, 2016 (APWA GSP) 1-06.6

Delete this section, including its subsections, and replace it with the following:

The Contractor shall make their best effort to utilize recycled materials in the construction of the project. Approval of such material use shall be as detailed elsewhere in the Standard Specifications.

Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT form 350-075 Recycled Materials Reporting.

LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

(WSDOT GSP) 1-07.GR1

LAWS TO BE OBSERVED

OCTOBER 1, 2005 (APWA GSP) 1-07.1

Supplement Section 1-07.1 with the following:

In cases of conflict between different safety regulations, the more stringent regulation shall apply.

The Washington State Department of Labor and Industries shall be the sole and paramount administrative agency responsible for the administration of the provisions of the Washington Industrial Safety and Health Act of 1973 (WISHA).

The Contractor shall maintain at the project site office, or other well known place at the project site, all articles necessary for providing first aid to the injured. The Contractor shall establish, publish, and make known to all employees, procedures for ensuring immediate removal to a hospital, or doctor's care, persons, including employees, who may have been injured on the project site. Employees should not be permitted to work on the project site before the Contractor has established and made known procedures for removal of injured persons to a hospital or a doctor's care.

The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the Contractor's plant, appliances, and methods, and for any damage or injury resulting from their failure, or improper maintenance, use, or operation. The Contractor shall be solely and completely responsible for the conditions of the project site, including safety for all persons and property in the performance of the work. This requirement shall apply continuously, and not be limited to normal working hours. The required or implied duty of the Engineer to conduct construction review of the Contractor's performance does not, and shall not, be intended to include review and adequacy of the Contractor's safety measures in, on, or near the project site.

STATE SALES TAX

(WSDOT GSP) 1-07.2.GR1

JUNE 27, 2011 (APWA GSP) 1-07.2

Delete Section 1-07.2, including its sub-sections, in its entirety and replace it with the following:

The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should contact the Washington State Department of Revenue for answers to questions in this area. The Contracting Agency will not adjust its payment if the Contractor bases a bid on a misunderstood tax liability.

The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2) describes this exception.

The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-funded Project) only if the Contractor has obtained from the Washington State Department of Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

1-07.2(1) State Sales Tax — Rule 171

WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc., which are owned by a municipal corporation, or political subdivision of the state, or by the United States, and which are used primarily for foot or vehicular traffic. This includes storm or combined sewer systems within and included as a part of the street or road drainage system and power lines when such are part of the roadway lighting system. For work performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in the various unit bid item prices, or other contract amounts, including those that the Contractor pays on the purchase of the materials, equipment, or supplies used or consumed in doing the work.

1-07.2(2) State Sales Tax — Rule 170

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other structures, upon real property. This includes, but is not limited to, the construction of streets, roads, highways, etc., owned by the state of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or road lighting system; and installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

For work performed in such cases, the Contractor shall collect from the Contracting Agency, retail sales tax on the full contract price. The Contracting Agency will automatically add this sales tax to each payment to the Contractor. For this reason, the Contractor shall not include the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule 170, with the following exception.

Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project. Such sales taxes shall be included in the unit bid item prices or in any other contract amount.

1-07.2(3) Services

The Contractor shall not collect retail sales tax from the Contracting Agency on any contract wholly for professional or other services (as defined in Washington State Department of Revenue Rules 138 and 244).

ENVIRONMENTAL REGULATIONS

(WSDOT GSP) 1-07.5.GR1

(WSDOT GSP) 1-07.5.INST1.GR1

Section 1-07.5 is supplemented with the following:

Environmental Commitments

SEPTEMBER 20, 2010 (WSDOT GSP) 1-07.5.OPT1.GR1

The following Provisions summarize the requirements, in addition to those required elsewhere in the Contract, imposed upon the Contracting Agency by the various documents referenced in the Special Provision PERMITS AND LICENSES. Throughout the work, the Contractor shall comply with the following requirements:

AUGUST 3, 2009 (WSDOT GSP) 1-07.5.OPT1(X).FR1

No Contractor staging areas will be allowed within 50 feet of any waters of the State including wetlands.

Payment

AUGUST 3, 2009 (WSDOT GSP) 1-07.5.OPT2.GR1

All costs to comply with this special provision for the environmental commitments and requirements are incidental to the contract and are the responsibility of the Contractor. The Contractor shall include all related costs in the associated bid prices of the contract.

PERMITS AND LICENSES

(WSDOT GSP) 1-07.6.GR1

(WSDOT GSP) 1-07.6.INST1.GR1

Section 1-07.6 is supplemented with the following:

SEPTEMBER 20, 2010 (WSDOT GSP) 1-07.6OPT2.FR1

The Contracting Agency has obtained the below-listed permit(s) for this project. A copy of the permit(s) is attached as an appendix for informational purposes. All contacts with the permitting agency concerning the below-listed permit(s) shall be through the Engineer. The Contractor shall obtain additional permits as necessary. All costs to obtain and comply with additional permits shall be included in the applicable bid items for the work involved. Copies of these permits are required to be onsite at all times.

NAME OF DOCUMENT	PERMITTING AGENCY	PERMIT REFERENCE NO.
Department of the Army Section 404 Nationwide 3	Corps of Engineers Seattle District	NWP No. 3

LOAD LIMITS

(WSDOT GSP) 1-07.7.GR1

(WSDOT GSP) 1-07.7.INST1.GR1

Section 1-07.7 is supplemented with the following:

MARCH 13, 1995 (WSDOT GSP) 1-07.7.OPT6.GR1

If the sources of materials provided by the Contractor necessitates hauling over roads other than State Highways, the Contractor shall, at the Contractor's expense, make all arrangements for the use of the haul routes.

UTILITIES AND SIMILAR FACILITIES

(WSDOT GSP) 1-07.17.GR1

(WSDOT GSP) 1-07.17.INST1.GR1

Section 1-07.17 is supplemented with the following:

APRIL 2, 2007 (WSDOT GSP) 1-07.17.OPT2.FR1

Locations and dimensions shown in the Plans for existing facilities are in accordance with available information obtained without uncovering, measuring, or other verification.

Public and private utilities, or their Contractors, will furnish all work necessary to adjust, relocate, replace, or construct their facilities unless otherwise provided for in the Plans or these Special Provisions. Such adjustment, relocation, replacement, or construction will be done during the prosecution of the work for this project. It is anticipated that utility adjustment, relocation, replacement or construction within the project limits will be completed as follows:

It is anticipated the utility company will work in conjunction with the contractor's schedule to relocate the existing utility.

The Contractor shall attend a mandatory utility preconstruction meeting with the Engineer, all affected subcontractors, and all utility owners and their contractors prior to beginning onsite work.

The following addresses and telephone numbers of utility companies or their Contractors that will be adjusting, relocating, replacing or constructing utilities within the project limits are supplied for the Contractor's use:

Frontier Communications
122 W. E Street
Moscow, ID 83843
208-883-5998

Port of Whitman
302 N. Mill St.
Colfax, WA 99111
509-397-3791

Inland Power & Light
10110 W. Hallett Road
Spokane, WA 99224
800-747-7151

PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE

JANUARY 4, 2016 (APWA GSP) 1-07.18

Delete Section 1-07.18 in its entirety, and replace it with the following:

1-07.18 Insurance

1-07.18(1) General Requirements

- A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-: VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer's financial condition.
- B. The Contractor shall keep this insurance in force without interruption from the commencement of the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated below.
- C. If any insurance policy is written on a claims made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made, and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.
- D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability insurance policies shall be primary and non-contributory insurance as respects the Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's insurance and shall not contribute with it.
- E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.
- G. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency

- H. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the Contracting Agency may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.
- I. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.

1-07.18(2) Additional Insured

All insurance policies, with the exception of Workers Compensation, and of Professional Liability and Builder's Risk (if required by this Contract) shall name the following listed entities as additional insured(s) using the forms or endorsements required herein:

- the Contracting Agency and its officers, elected officials, employees, agents, and volunteers

The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those maintained by the Contractor.

For Commercial General Liability insurance coverage, the required additional insured endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

1-07.18(3) Subcontractors

The Contractor shall cause each Subcontractor of every tier to provide insurance coverage that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by Subcontractors.

The Contractor shall ensure that all Subcontractors of every tier add all entities listed in 1-07.18(2) as additional insureds, and provide proof of such on the policies as required by that section as detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency evidence of insurance and copies of the additional insured endorsements of each Subcontractor of every tier as required in 1-07.18(4) Verification of Coverage.

1-07.18(4) Verification of Coverage

The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and endorsements for each policy of insurance meeting the requirements set forth herein when the Contractor delivers the signed Contract for the work. Failure of Contracting Agency to demand such verification of coverage with these insurance requirements or failure of Contracting Agency to identify a deficiency from the insurance documentation provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.

Verification of coverage shall include:

1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
2. Copies of all endorsements naming Contracting Agency and all other entities listed in 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit a copy of any blanket additional insured clause from its policies instead of a separate endorsement.
3. Any other amendatory endorsements to show the coverage required herein.
4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these requirements – actual endorsements must be submitted.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this Project, a full and certified copy of that policy is required when the Contractor delivers the signed Contract for the work.

1-07.18(5) Coverages and Limits

The insurance shall provide the minimum coverages and limits set forth below. Contractor's maintenance of insurance, its scope of coverage, and limits as required herein shall not be construed to limit the liability of the Contractor to the coverage provided by such insurance, or otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.

All deductibles and self-insured retentions must be disclosed and are subject to approval by the Contracting Agency. The cost of any claim payments falling within the deductible or self-insured retention shall be the responsibility of the Contractor. In the event an additional insured incurs a liability subject to any policy's deductibles or self-insured retention, said deductibles or self-insured retention shall be the responsibility of the Contractor.

1-07.18(5)A Commercial General Liability

Commercial General Liability insurance shall be written on coverage forms at least as broad as ISO occurrence form CG 00 01, including but not limited to liability arising from premises, operations, stop gap liability, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract. There shall be no exclusion for liability arising from explosion, collapse or underground property damage.

The Commercial General Liability insurance shall be endorsed to provide a per project general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's completed operations for at least three years following Substantial Completion of the Work.

Such policy must provide the following minimum limits:

\$1,000,000	Each Occurrence
\$2,000,000	General Aggregate
\$2,000,000	Products & Completed Operations Aggregate
\$1,000,000	Personal & Advertising Injury each offence
\$1,000,000	Stop Gap / Employers' Liability each accident

1-07.18(5)B Automobile Liability

Automobile Liability shall cover owned, non-owned, hired, and leased vehicles; and shall be written on a coverage form at least as broad as ISO form CA 00 01. If the work involves the transport of pollutants, the automobile liability policy shall include MCS 90 and CA 99 48 endorsements.

Such policy must provide the following minimum limit:
\$1,000,000 Combined single limit each accident

1-07.18(5)C Workers' Compensation

The Contractor shall comply with Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.

PUBLIC CONVENIENCE AND SAFETY

(WSDOT GSP) 1-07.23.GR1

Construction Under Traffic

(WSDOT GSP) 1-07.23(1).GR1

(WSDOT GSP) 1-07.23(1).INST1.GR1

Section 1-07.23(1) is supplemented with the following:

Work Zone Clear Zone

JANUARY 2, 2012 (WSDOT GSP) 1-07.23(1)OPT2.GR1

The Work Zone Clear Zone (WZCZ) applies during working and nonworking hours. The WZCZ applies only to temporary roadside objects introduced by the Contractor's operations and does not apply to preexisting conditions or permanent Work. Those work operations that are actively in progress shall be in accordance with adopted and approved Traffic Control Plans, and other contract requirements.

During nonworking hours equipment or materials shall not be within the WZCZ unless they are protected by permanent guardrail or temporary concrete barrier. The use of temporary concrete barrier shall be permitted only if the Engineer approves the installation and location.

During actual hours of work, unless protected as described above, only materials absolutely necessary to construction shall be within the WZCZ and only construction vehicles absolutely necessary to construction shall be allowed within the WZCZ or allowed to stop or park on the shoulder of the roadway.

The Contractor's nonessential vehicles and employees private vehicles shall not be permitted to park within the WZCZ at any time unless protected as described above.

Deviation from the above requirements shall not occur unless the Contractor has requested the deviation in writing and the Engineer has provided written approval.

Minimum WZCZ distances are measured from the edge of traveled way and will be determined as follows:

Regulatory Posted Speed	Distance From Traveled Way (Feet)
35 mph or less	10 *
40 mph	15
45 to 55 mph	20
60 mph or greater	30

* or 2-feet beyond the outside edge of sidewalk

Minimum Work Zone Clear Zone Distance

RIGHTS OF WAY

JULY 23, 2015 (APWA GSP) 1-07.24

Delete Section 1-07.24 in its entirety, and replace it with the following:

Street Right of Way lines, limits of easements, and limits of construction permits are indicated in the Plans. The Contractor's construction activities shall be confined within these limits, unless arrangements for use of private property are made.

Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way and easements, both permanent and temporary, necessary for carrying out the work. Exceptions to this are noted in the Bid Documents or will be brought to the Contractor's attention by a duly issued Addendum.

Whenever any of the work is accomplished on or through property other than public Right of Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement agreement obtained by the Contracting Agency from the owner of the private property. Copies of the easement agreements may be included in the Contract Provisions or made available to the Contractor as soon as practical after they have been obtained by the Engineer.

Whenever easements or rights of entry have not been acquired prior to advertising, these areas are so noted in the Plans. The Contractor shall not proceed with any portion of the work in areas where right of way, easements or rights of entry have not been acquired until the Engineer certifies to the Contractor that the right of way or easement is available or that the right of entry has been received. If the Contractor is delayed due to acts of omission on the part of the Contracting Agency in obtaining easements, rights of entry or right of way, the Contractor will be entitled to an extension of time. The Contractor agrees that such delay shall not be a breach of contract.

Each property owner shall be given 48 hours notice prior to entry by the Contractor. This includes entry onto easements and private property where private improvements must be adjusted.

The Contractor shall be responsible for providing, without expense or liability to the Contracting Agency, any additional land and access thereto that the Contractor may desire for temporary construction facilities, storage of materials, or other Contractor needs. However, before using any private property, whether adjoining the work or not, the Contractor shall file with the Engineer a written permission of the private property owner, and, upon vacating the premises, a written release from the property owner of each property disturbed or otherwise interfered with by reasons of construction pursued under this

contract. The statement shall be signed by the private property owner, or proper authority acting for the owner of the private property affected, stating that permission has been granted to use the property and all necessary permits have been obtained or, in the case of a release, that the restoration of the property has been satisfactorily accomplished. The statement shall include the parcel number, address, and date of signature. Written releases must be filed with the Engineer before the Completion Date will be established.

PROSECUTION AND PROGRESS

(WSDOT GSP) 1-08.GR1

PRELIMINARY MATTERS

MAY 25, 2006 (APWA GSP) 1-08.0

Add the following new section:

1-08.0 Preliminary Matters

MAY 25, 2006 (APWA GSP) 0800.1

HOURS OF WORK

DECEMBER 8, 2014 (APWA GSP) 1-08.0(2)

Add the following new Section 1-08.0(2):

Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference.

All working hours and days are also subject to local permit and ordinance conditions (such as noise ordinances).

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no later than 3 days prior to the day(s) the Contractor is requesting to change the hours.

If the Contracting Agency approves such a deviation, such approval may be subject to certain other conditions, which will be detailed in writing. For example:

1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times. (The Engineer may require designated representatives to be present during the work. Representatives who may be deemed necessary by the Engineer include, but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such work necessitates their presence.)
2. Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.

3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
4. If a 4-10 work schedule is requested and approved the non working day for the week will be charged as a working day.
5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll

SUBCONTRACTING

(WSDOT GSP) 1-08.1.GR1

JULY 23, 2015 (APWA GSP) 1-08.1

Delete the eighth paragraph of Section 1-08.1 and replace it with the following:

On all projects funded with federal assistance the Contractor shall submit "Quarterly Report of Amounts Credited as DBE Participation" (form 422-102 EF) on a quarterly basis, in which DBE Work is accomplished, for every quarter in which the Contract is active or upon completion of the project, as appropriate. The quarterly reports are due on the 20th of April, July, October, and January for the four respective quarters.

NOTICE TO PROCEED AND PROSECUTION OF THE WORK

JULY 23, 2015 (APWA GSP) 1-08.4

Delete Section 1-08.4 and replace it with the following:

Notice to Proceed will be given after the contract has been executed and the contract bond and evidence of insurance have been approved and filed by the Contracting Agency. The Contractor shall not commence with the work until the Notice to Proceed has been given by the Engineer. The Contractor shall commence construction activities on the project site within ten days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the work to the physical completion date within the time specified in the contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to complete the work within the time(s) specified in the contract.

When shown in the Plans, the first order of work shall be the installation of high visibility fencing to delineate all areas for protection or restoration, as described in the Contract. Installation of high visibility fencing adjacent to the roadway shall occur after the placement of all necessary signs and traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing, the Contractor shall request the Engineer to inspect the fence. No other work shall be performed on the site until the Contracting Agency has accepted the installation of high visibility fencing, as described in the Contract.

TIME FOR COMPLETION

(WSDOT GSP) 1-08.5.GR1

(WSDOT GSP) 1-08.5.INST2.GR1

Section 1-08.5 is supplemented with the following:

MARCH 13, 1995 (WSDOT GSP) 1-08.5.OPT7.FR1

This project shall be physically completed within 100 working days.

No work will be allowed on the following dates:

September 3, 2016 through September 5, 2016
November 11, 2016 through November 13, 2016
November 24, 2016 through November 27, 2016
December 24, 2016 through January 2, 2017

These days shall be defined as nonworking days.

Revise the third and fourth paragraphs of Section 1-08.5 to read:

Contract time shall begin on the first working day following the 10th calendar day after the Notice to Proceed date. If the Contractor starts work on the project at an earlier date, then contract time shall begin on the first working day when onsite work begins.

Each working day shall be charged to the contract as it occurs, until the contract work is physically complete. If substantial completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days: (1) charged to the contract the week before; (2) specified for the physical completion of the contract; and (3) remaining for the physical completion of the contract. The statement will also show the nonworking days and any partial or whole day the Engineer declares as unworkable. Within 10 calendar days after the date of each statement, the Contractor shall file a written protest of any alleged discrepancies in it. To be considered by the Engineer, the protest shall be in sufficient detail to enable the Engineer to ascertain the basis and amount of time disputed. By not filing such detailed protest in that period, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day, then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

Revise the sixth paragraph to read:

The Engineer will give the Contractor written notice of the completion date of the contract after all the Contractor's obligations under the contract have been performed by the Contractor. The following events must occur before the Completion Date can be established:

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:
 - a. Certified Payrolls (per Section 1-07.9(5)).
 - b. Material Acceptance Certification Documents
 - c. Quarterly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.
 - d. Final Contract Voucher Certification

- e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors
- f. Property owner releases per Section 1-07.24

LIQUIDATED DAMAGES

AUGUST 14, 2013 (APWA GSP) 1-08.9

Revise the fourth paragraph of Section 1-08.9 to read:

When the Contract Work has progressed to Substantial Completion as defined in the Contract. The Engineer may determine that the work is Substantially Complete. The Engineer will notify the Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring after the date so established, the formula for liquidated damages shown above will not apply. For overruns in Contract time occurring after the Substantial Completion Date, liquidated damages shall be assessed on the basis of direct engineering and related costs assignable to the project until the actual Physical Completion Date of all the Contract Work. The Contractor shall complete the remaining Work as promptly as possible. Upon request by the Project Engineer, the Contractor shall furnish a written schedule for completing the physical Work on the Contract.

MEASUREMENT AND PAYMENT

(WSDOT GSP) 1-09.GR1

SCALES

(WC GSP) 1-09.2(1)

(WC GSP) 1-09.2(1).INST1.GR1

Section 1-09.2(1) is supplemented with the following:

NOVEMBER 10, 2014 (WC GSP) 1-09.2(1)

All scales used shall be self-printing scales which will provide duplicate legible copies.

JULY 23, 2015 (APWA GSP) 1-09.2(1) OPTION 2

Revise item 4 of the fifth paragraph of Section 1-09.2(1) to read:

- 4. Test results and scale weight records for each day's hauling operations are provided to the Engineer daily. Reporting shall utilize WSDOT form 422-027, Scaleman's Daily Report, unless the printed ticket contains the same information that is on the Scaleman's Daily Report Form. The scale operator must provide AM and/or PM tare weights for each truck on the printed ticket.

(WC GSP) 1-09.2(5).INST1.GR1

Section 1-09.2(5) is supplemented with the following:

NOVEMBER 10, 2014 (WC GSP) 1-09.2(5)

The Contractor shall provide original check-weight tickets for each scale verification check.

PAYMENTS

(WSDOT GSP) 1-09.9.GR1

MARCH 13, 2012 (APWA GSP) 1-09.9

Delete the first four paragraphs of Section 1-09.9 and replace them with the following:

The basis of payment will be the actual quantities of Work performed according to the Contract and as specified for payment.

The Contractor shall submit a breakdown of the cost of lump sum bid items at the Preconstruction Conference, to enable the Project Engineer to determine the Work performed on a monthly basis. A breakdown is not required for lump sum items that include a basis for incremental payments as part of the respective Specification. Absent a lump sum breakdown, the Project Engineer will make a determination based on information available. The Project Engineer's determination of the cost of work shall be final.

Progress payments for completed work and material on hand will be based upon progress estimates prepared by the Engineer. A progress estimate cutoff date will be established at the preconstruction conference.

The initial progress estimate will be made not later than 30 days after the Contractor commences the work, and successive progress estimates will be made every month thereafter until the Completion Date. Progress estimates made during progress of the work are tentative, and made only for the purpose of determining progress payments. The progress estimates are subject to change at any time prior to the calculation of the final payment.

The value of the progress estimate will be the sum of the following:

1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work completed multiplied by the unit price.
2. Lump Sum Items in the Bid Form — based on the approved Contractor's lump sum breakdown for that item, or absent such a breakdown, based on the Engineer's determination.
3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or other storage area approved by the Engineer.
4. Change Orders — entitlement for approved extra cost or completed extra work as determined by the Engineer.

Progress payments will be made in accordance with the progress estimate less:

1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;
2. The amount of progress payments previously made; and
3. Funds withheld by the Contracting Agency for disbursement in accordance with the Contract Documents.

Progress payments for work performed shall not be evidence of acceptable performance or an admission by the Contracting Agency that any work has been satisfactorily completed. The determination of payments under the contract will be final in accordance with Section 1-05.1.

MARCH 13, 2012 (APWA GSP) 1-09.9

Supplement Section 1-09.9 with the following:

Lump sum item breakdowns are not required when the bid price for the lump sum item is less than \$20,000.

TIME LIMITATION AND JURISDICTION

JULY 23, 2015 (APWA GSP) 1-09.11(3)

Revise Section 1-09.11(3) to read:

For the convenience of the parties to the Contract it is mutually agreed by the parties that any claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that any such claims or causes of action shall be brought only in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.05 shall control venue and jurisdiction. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to any such claims or causes of action. It is further mutually agreed by the parties that when any claims or causes of action which the Contractor asserts against the Contracting Agency arising from the Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency to have timely access to any records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

CLAIMS \$250,000 OR LESS

OCTOBER 1, 2005 (APWA GSP) 1-09.13(3)

Delete Section 1-09.13(3) and replace it with the following:

The Contractor and the Contracting Agency mutually agree that those claims that total \$250,000 or less, submitted in accordance with Section 1-09.11 and not resolved by nonbinding ADR processes, shall be resolved through litigation unless the parties mutually agree in writing to resolve the claim through binding arbitration.

ADMINISTRATION OF ARBITRATION

JULY 23, 2015 (APWA GSP) 1-09.13(3)A

Revise the third paragraph of Section 1-09.13(3)A to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.05 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

TEMPORARY TRAFFIC CONTROL

(WSDOT GSP) 1-10.GR1

TRAFFIC CONTROL MANAGEMENT

(WSDOT GSP) 1-10.2.GR1

General

(WSDOT GSP) 1-10.2(1).GR1

(WSDOT GSP) 1-10.2(1).INST1.GR1

Section 1-10.2(1) is supplemented with the following:

JANUARY 8, 2016 (WSDOT GSP) 1-10.2(1).OPT1.GR1

Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the state of Washington. The Traffic Control Supervisor shall be certified by one of the following:

The Northwest Laborers-Employers Training Trust
27055 Ohio Ave.
Kingston, WA 98346
(360) 297-3035

Evergreen Safety Council
12545 135th Ave. NE
Kirkland, WA 98034-8709
1-800-521-0778 or
(425) 814-3930

The American Traffic Safety Services Association
15 Riverside Parkway, Suite 100
Fredericksburg, Virginia 22406-1022
Training Dept. Toll Free (877) 642-4637
Phone: (540) 368-1701

MEASUREMENT

(WSDOT GSP) 1-10.4.GR1

Item Bids With Lump Sum for Incidentals

(WSDOT GSP) 1-10.4(2).GR1

(WSDOT GSP) 1-10.4(2).INST1.GR1

Section 1-10.4(2) is supplemented with the following:

AUGUST 2, 2004 (WSDOT GSP) 1-10.4(1).OPT1.GR1

The proposal contains the item "Project Temporary Traffic Control," lump sum. The provisions of Section 1-10.4(1) shall apply.

DIVISION 2 EARTHWORK

(WSDOT GSP) DIVISION2.GR2

CLEARING, GRUBBING, AND ROADSIDE CLEANUP

(WSDOT GSP) 2-01.GR2

DESCRIPTION

(WSDOT GSP) 2-01.1.GR2

(WSDOT GSP) 2-01.1.INST1.GR2

Section 2-01.1 is supplemented with the following:

MARCH 13, 1995 (WSDOT GSP) 2-01.1.OPT1.FR2

Clearing and grubbing on this project shall be performed within the following limits:

From the existing roadway edge to the slope stakes.

CONSTRUCTION REQUIREMENTS

(WSDOT GSP) 2-01.3.GR2

Roadside Cleanup

(WSDOT GSP) 2-01.3(4).GR2

(WSDOT GSP) 2-01.3(4).INST1.GR2

Section 2-01.3(4) is supplemented with the following:

JANUARY 5, 1998 (WSDOT GSP) 2-01.3(4).OPT1.FR2

Roadside Cleanup consists of the Obliteration of the Old Sand Road Alignment per the "Material Source & Roadway Obliteration Detail" on Sheet Twenty-five of the Plans.

PAYMENT

(WSDOT GSP) 2-01.5.GR2

(WC GSP) 2-01.5.INST1.GR2

Section 2-01.5 is supplemented with the following:

JUNE 25, 2009 (WC GSP) 2-01.5

"Roadside Cleanup", per lump sum.

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

(WSDOT GSP) 2-02.GR2

CONSTRUCTION REQUIREMENTS

(WSDOT GSP) 2-02.3.GR2

(WSDOT GSP) 2-02.3.INST1.GR2

Section 2-02.3(2) is supplemented with the following:

Removal of Obstructions

FEBRUARY 17, 1998 (WSDOT GSP) 2-02.3.OPT1.FR2

The following items shall be removed and disposed of in accordance with the requirements of Section 2-02:

1. Station 41+80 LT, Culvert.
2. Station 60+85, Culvert.
3. Station 73+05, Culvert.
4. Station 86+95, Culvert.
5. Station 99+57, Culvert.
6. Station 153+80, Culvert.
7. Station 194+73, Culvert.
8. Station 205+10, Culvert.
9. Station 229+88, Culvert.
10. Fence Remnants within Catches.

ROADWAY EXCAVATION AND EMBANKMENT

(WSDOT GSP) 2-03.GR2

CONSTRUCTION REQUIREMENTS

(WSDOT GSP) 2-03.3.GR2

(WC GSP) 2-03.3.INST1

Section 2-03.3 is supplemented with the following:

Selected Material

(WC GSP) 2-03.3(10)

(WC GSP) 2-03.3(10).INST1

Section 2-03.3(10) is supplemented with the following:

JANUARY 6, 1999 (WC GSP) 2-03.3(10)

All shot or ripped rock within the project limits is designated as selected material. It may only be used for the production of crushed aggregates and shot rock. Other uses shall require the approval of the Engineer in writing, per Section 1-04.10

Embankment Construction

(WSDOT GSP) 2-03.3(14).GR2

Compaction and Moisture Control Tests

(WC GSP) 2-03.3(14)D

(WC GSP) 2-03.3(14)D.INST1

Section 2-03.3(14)D is deleted and replaced with the following:

JANUARY 7, 2002 (WC GSP) 2-03.3(14)D

Maximum density and optimum moisture content shall be determined using AASHTO Test No. T-180-93, Method B or D.

In place density and moisture content will be determined using AASHTO T-310-00 and WSDOT SOP 615. Moisture content may also be determined in accordance with AASHTO T-255.

Material for Shot Rock

(WC GSP) 2-03.3(14)K

(WC GSP) 2-03.3(14)K.INST1

Section 2-03.3(14)K is supplemented with the following:

APRIL 12, 2001 (WC GSP) 2-03.3(14)K

Materials for Shot Rock shall consist of processed granular material, and shall meet the following requirements for grading and quality:

Sieve size	Percent passing
12 inch square	100
3 inch square	50 – 100
U.S. No. 40	35 max.
U.S. No. 200	10.0 max.
Sand Equivalent	30 min.
% Fracture	75 min.

All percentages are by weight.

The fracture requirement shall be at least one fractured face and will apply to material retained on each specification sieve size U.S. No. 10 and above of that sieve retains more than 5 percent of the total sample.

The material shall be uniformly graded (not gap-graded) and free of deleterious material such as wood, organic waste, or any other extraneous or objectionable material. Uniformly graded shall be construed as material with roughly equal proportions of all grain sizes from course to fine, resulting in no voids when placed and compacted on the road.

MEASUREMENT

(WSDOT GSP) 2-03.4.GR2

(WSDOT GSP) 2-03.4.INST1.GR2

Section 2-03.4 is supplemented with the following:

MAY 19, 1997 (WC GSP) 2-03.4.OPT2

Only one determination of the original ground elevation will be made on this project. Measurement for roadway excavation and embankment will be based on the original ground elevations recorded previous to the award of this contract and, the alignment, profile grade, and roadway section as shown in the Plans or as determined by the Engineer.

If discrepancies are discovered in the ground elevations which will materially affect the quantities of earthwork, the original computations of earthwork quantities will be adjusted accordingly.

Earthwork quantities will be computed, either manually or by means of electronic data processing equipment, by use of the average end area method or by the finite element analysis method utilizing digital terrain modeling techniques.

Copies of the ground cross-section notes will be available for the bidder's inspection, before the opening of bids, at the office of the Project Engineer.

Upon award of the contract, copies of the original ground cross-sections will be furnished to the successful bidder on request to the Project Engineer.

(WC GSP) 2-03.4.INST1

The first sentence of the fifth paragraph of Section 2-03.4 is deleted and replaced with the following:

JUNE 25, 2009 (WC GSP) 2-03.4.INST1

“Embankment Compaction” (Methods B and C in Section 2-03.3(14)C) and “Shot Rock Embankment Compaction” (Section 2-03.3(14)A) will be measured by the cubic yard.

PAYMENT

(WSDOT GSP) 2-03.5.GR2

(WC GSP) 2-03.5.INST2

Section 2-03.5 is supplemented with the following:

JUNE 25, 2009 (WC GSP) 2-03.5

All costs in connection with Shot Rock, including haul, shall be included in the unit contract price for “Shot Rock Embankment Compaction”.

“Shot Rock Embankment Compaction”, per ton.

The unit contract price per ton for “Shot Rock Embankment Compaction” shall be full compensation for all costs incurred for all material, labor, tools, equipment and incidentals required including excavating, loading, hauling and placing the Shot Rock.

STRUCTURE EXCAVATION

(WSDOT GSP) 2-09.GR2

CONSTRUCTION REQUIREMENTS

(WSDOT GSP) 2-09.3.GR2

General Requirements

(WSDOT GSP) 2-09.3(1).GR2

(WC GSP) 2-09.3(1).INST1

Section 2-09.3(1) is supplemented with the following:

MAY 19, 1997 (WC GSP) 2-09.3(1)

The Contractor should expect that excavated material will be above optimum moisture content and that it will have to be dried out prior to use as backfill. "Pumping" backfill will not be accepted by the Engineer.

MEASUREMENT

(WSDOT GSP) 2-09.4.GR2

(WSDOT GSP) 2-09.4.INST1.GR2

The subsection "Lower Limits" of Section 2-09.4 is supplemented with the following:

JUNE 25, 2009 (WC GSP) 2-09.4

The lower limits of measurement for Structure Excavation Class B shall be to the bottom of the required pipe bedding. No payment shall be made for additional excavation required from the original ground surface if the Contractor elects to construct subgrade prior to culvert installation.

DIVISION 3 PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING

(WSDOT GSP) DIVISION3.GR3

PRODUCTION FROM QUARRY AND PIT SITES

(WSDOT GSP) 3-01.GR3

STATE FURNISHED MATERIAL SOURCES

(WSDOT GSP) 3-01.3.GR3

(WSDOT GSP) 3-01.3.INST1.GR3

Section 3-01.3(3) is supplemented with the following:

JUNE 26,2000 (WSDOT GSP) 3-01.3.OPT2.FR3

The following source of materials is made available at no cost to the Contractor:

Sand Road Material Source, a source for the production of Crushed Surfacing Top Course in Stockpile, Crushed Screening 3/8" in Stockpile, Shot Rock Embankment Compaction, Crushed Surfacing Base Course and Crushed Surfacing Top Course is located from approximately Station 42+00 Left to Station 48+25 Left, as shown in the Plans.

In the event that the Contractor proposes to provide these materials from another source, adjustment of quantities shall be made in accordance with Section 3-01.4(1).

REJECT MATERIALS

OCTOBER 1, 1994 (WC GSP) 3-01.3(3)

Section 3-01.3(3) is supplemented with the following:

If production of crushed aggregate produces reject materials, these materials shall be the property of the Contracting Agency and stockpiled as directed by the Engineer.

All costs incurred in producing, hauling and stockpiling the reject materials shall be incidental to the production of the specified materials and shall be included by the Contractor in the unit bid prices in the contract.

PAYMENT

(WSDOT GSP) 3-01.6GR3

(WSDOT GSP) 3-01.6.INST1.GR3

The second paragraph of Section 3-01.6 is supplemented with the following:

MARCH 15, 1995 (WSDOT GSP) 3-01.6.OPT3.FR3

The use of Sand Road Material Source is mandatory and all work in the site shall be performed.

DIVISION 4 BASES

(WSDOT GSP) DIVISION4.GR4

BALLAST AND CRUSHED SURFACING

(WSDOT GSP) 4-04.GR4

CONSTRUCTION REQUIREMENTS

(WSDOT GSP) 4-04.3.GR4

Shaping and Compaction

(WSDOT GSP) 4-04.3(5).GR4

(WC GSP) 4-04.3(5).INST1

The first sentence of Section 4-04.3(5) is revised to read as follows:

JANUARY 7, 2002 (WC GSP) 4-04.3(5)

Immediately following the spreading and final shaping, each layer of surfacing shall be compacted to at least 95 percent of the standard density determined by AASHTO Test Method No. T-180-93, Method B or D before the next succeeding layer of surfacing or pavement is placed.

(WSDOT GSP) 4-04.3(5).INST1.GR4

Section 4-04.3(5) is supplemented with the following:

JANUARY 7, 2002 (WC GSP) 4-04.3(5)

Maximum density and optimum moisture content shall be determined using AASHTO Test No. T-180-93, Method B or D.

In place density and moisture content will be determined using AASHTO T-310-00 and WSDOT SOP 615. Moisture content may also be determined in accordance with AASHTO T-255.

DIVISION 5
SURFACE TREATMENTS AND PAVEMENTS
(WSDOT GSP) DIVISION5.GR5

SAWCUT EXISTING PAVEMENT
(WC GSP) 5-04

CONSTRUCTION DESCRIPTION
(WC GSP) 5-04

(WC GSP) 5-04.INST1
Section 5-04 is supplemented with the following:

JUNE 16, 1997 (WC GSP) 5-04

The Contractor shall saw cut the existing pavement perpendicular to centerline and full depth of the existing pavement. The pavement shall be removed to provide a firm, neat, straight vertical edge. The Contractor shall be responsible for maintaining the edge. Additional cuts with the saw will be required to correct broken or damaged edges.

MEASUREMENT
(WC GSP) 5-04.1

(WC GSP) 5-04.1.INST1
Section 5-04 is supplemented with the following:

JUNE 16, 1997 (WC GSP) 5-04.1

The existing pavement sawcut shall be measured by the linear foot of sawcut, along the groundline. Additional cuts to correct broken or damaged edges shall be incidental to this bid item.

PAYMENT
(WC GSP) 5-04.2

(WC GSP) 5-04.2.INST1
Section 5-04 is supplemented with the following:

JUNE 16, 1997 (WC GSP) 5-04.2

Payment will be made in accordance with Section 1-04.1(1) for the following bid items:

"Sawcut Existing Pavement", per linear foot.

DIVISION 7
DRAINAGE STRUCTURES, STORM SEWERS,
SANITARY SEWERS, WATER MAINS, AND CONDUITS
(WSDOT GSP) DIVISION7.GR7

CULVERTS
(WSDOT GSP) 02.GR7

CONSTRUCTION REQUIREMENTS
(WC GSP) 7-02.3

(WC GSP) 7-02.3.INST1
Section 7-02.3 is supplemented with the following:

Approach Pipes

MAY 19, 1997 (WC GSP) 7-02.3

Approach pipes shall be installed per Section 7-02, with the following exceptions:

No bedding of the pipe will be required. See the Structure Notes for a listing of approach culverts.

PAYMENT

(WC GSP) 7-02.5

(WC GSP) 7-02.5.INST1

The second paragraph of Section 7-02.5 is deleted and replaced with the following:

MAY 19, 1997 (WC GSP) 7-02.5

Where culvert pipes are to be removed but are not relaid, all costs in connection with the removal and backfilling of the trench shall be included in the lump sum unit contract price "Removal of Structure and Obstruction".

STORM SEWERS

(WSDOT GSP) 7-04.7

CONSTRUCTION REQUIREMENTS

(WC GSP) 7-04

(WC GSP) 7-04.INST1

Section 7-04 is supplemented with the following:

Drain Tiles

MAY 19, 1997 (WC GSP) 7-04

All drain tiles encountered on the project, whether shown on the plans or not, shall be left in a working condition by the Contractor. Ends shall be cut flush with the ditch or embankment by a method approved by the Engineer.

DIVISION 8

MISCELLANEOUS CONSTRUCTION

(WSDOT GSP) DIVISION8.GR8

EROSION CONTROL AND WATER POLLUTION CONTROL

(WSDOT GSP) 8-01.GR8

CONSTRUCTION REQUIREMENTS

(WSDOT GSP) 8-01.3.GR8

Seeding, Fertilizing, and Mulching

(WSDOT GSP) 8-01.3(2).GR8

Seeding and Fertilizing

(WSDOT GSP) 8-01.3(2)B.GR8

(WSDOT GSP) 8-01.3(2)B.INST1.GR8

Section 8-01.3(2)B is supplemented with the following:

AUGUST 4, 2014 (WSDOT GSP) 8-01.3(2)B.OPT1.FR8

Seed of the following mix, rate, and analysis shall be applied at the rates shown below on all areas requiring roadside seeding within the project:

Seed by Common Name and <u>(Botanical name)</u>	Pounds Pure Live Seed <u>(PLS) Per Acre</u>
Crested Wheatgrass	18
Hard Fescue "Dvar"	18
Bid Bluegrass	6
Intermediate Wheatgrass	<u>18</u>
Total	60

The seed shall be certified in accordance with WAC 16-302 and meet the following requirements:

Prohibited Weed	0% max.
Noxious Weed	0% max.
Other Weed	0.20% max.
Other Crop	0.40% max.

JANUARY 3, 2006 (WSDOT GSP) 8-01.3(2)B.OPT4.FR8

Sufficient quantities of fertilizer shall be applied to supply the following amounts of nutrients:

Total Nitrogen as N - 135 pounds per acre.

Available Phosphoric Acid as P₂O₅ - 80 pounds per acre.

Soluble Potash as K₂O - 80 pounds per acre.

Ninety pounds of nitrogen applied per acre shall be derived from isobutylidene diurea (IBDU), cyclo-di-urea (CDU), or a time release, polyurethane coated source with a minimum release time of 6 months. The remainder may be derived from any source.

The fertilizer formulation and application rate shall be approved by the Engineer before use.

Mulching

(WSDOT GSP) 8-01.3(2)D.GR8

(WSDOT GSP) 8-01.3(2)D.INST1.GR8

Section 8-01.3(2)D is supplemented with the following:

JANUARY 5, 2015 (WSDOT GSP) 8-01.3(2)DOPT1.FR8

Straw shall be applied at a rate of 4,000 pounds per acre with no more than 2,000 pounds per acre applied in a single lift. Wood cellulose fiber mulch shall be applied at a rate of 2,000 pounds per acre with no more than 2,000 pounds per acre applied in a single lift.

GUIDE POSTS

(WSDOT GSP) 8-10.GR8

MATERIALS

(WC GSP) 8-10.2

(WC GSP) 8-10.2.INST1

Section 8-10.2 is supplemented with the following:

MAY 27, 1997 (WC GSP) 8-10.2

The flexible guide posts shall be one color either brown or white with white reflective sheeting.

MAILBOX SUPPORT

(WSDOT GSP) 8-18.GR8

CONSTRUCTION REQUIREMENTS

(WC GSP) 8-18.3

(WC GSP) 8-18.3.INST1

The second paragraph of Section 8-18.3 is deleted and replaced with the following:

JUNE 20, 2016 (WC GSP) 8-18.3

The existing mailboxes shall be reinstalled on the existing mailbox supports, in accordance with the Standard Plans, within 24 hours of being removed.

MEASUREMENT

(WC GSP) 8-18.4

(WC GSP) 8-18.4.INST1

Section 8-18.4 is supplemented with the following:

JUNE 20, 2016 (WC GSP) 8-18.4

Removing the existing mailbox shall be measured by the unit for each mailbox, including support, removed.

Resetting the existing mailbox shall be measured by the unit for each mailbox, including support, installed.

PAYMENT

(WC GSP) 8-18.5

(WC GSP) 8-18.5.INST1

Section 8-18.5 is supplemented with the following:

JUNE 20, 2016 (WC GSP) 8-18.5

"Remove Existing Mailbox" per each.

"Reset Existing Mailbox" per each.

**DIVISION 9
MATERIALS**
(WSDOT GSP) DIVISION 9.GR9

AGGREGATES
(WSDOT GSP) 9-03.GR9

AGGREGATE FOR BITUMINOUS SURFACE TREATMENT
(WC GSP) 9-03.4

Grading and Quality
(WC GSP) 9-03.4(2)

(WC GSP) 9-03.4.INST1.GR9

The Crushed Screening Percent Passing Table in Section 9-03.4(2) is supplemented with the following:

3/8" Crushed Screening	
<u>Sieve Size</u>	<u>Percent Passing</u>
1/2" square	100
3/8" square	70-90
U.S. No. 4	0-5
U.S. No. 8	0-3
U.S. No. 200	0-0.8
% Fracture	90 min.

STANDARD PLANS

STANDARD PLANS
APRIL 4, 2016 (WSDOT GSP) STDPLANS.GR9

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 15-048, effective August 3, 2015 is made a part of this contract.

The Standard Plans are revised as follows:

A-30.15
DELETED

A-50.10
Sheet 2 of 2, Plan, with Single Slope Barrier, reference C-14a is revised to C-70.10

A-50.20
Sheet 2 of 2, Plan, with Anchored Barrier, reference C-14a is revised to C-70.10

A-50.30
Sheet 2 of 2, Plan (top), reference C-14a is revised to C-70.10

A-60.30
Note 4, was – “If the ACP and membrane is to be removed from the bridge deck, see GSP 023106 for deck preparation before placing new membrane.” Is revised to read; “If the ACP and membrane is to be removed from the bridge deck, see GSP 6-02.3(10)D.OPT6.GB6 for deck preparation before placing new membrane.”

B-10.20 and B-10.40

Substitute “step” in lieu of “handhold” on plan

B-15.60

Table, Maximum Knockout Size column, 120” Diam., 42” is revised to read; 96”

B-25.20

Add Note 7. See Standard Specification Section 8-04 for Curb and Gutter requirements

B-40.40

Note 2, was – “When bolt-down grates are specified in the Contract, provide two slots in the grate that are centered with the holes in the frame. Location of bolt-down slots varies among different manufacturers.” Is revised to read; “Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 5/8” (in) – 11 NC x 2” (in) Allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturers.”

B-55.20

Metal Pipe elevation, title is revised to read; “Metal Pipe and Steel Rib Reinforced Polyethylene Pipe”

B-90.40

Offset & Bend details, add the subtitle, “Plan View” above titles

C-8b

Section A, callout, was – “Grout” is revised to read; “Grout ~ 2” (IN) MAX., callout, was – “Anchor Bolt (TYP.) ~ See Detail” is revised to read; “Anchor Bolt or Rod (TYP.) ~ See Detail”, Sheet 2, Detail “A”, callout, was – “Anchor Bolt (TYP.) ~ See Detail”, is revised to read; “Anchor Bolt or Rod (TYP.) ~ See Detail”. Anchor Bolt Detail, DELETED – Headed Bolt DETAIL portion of the ANCHOR BOLT DETAIL. Dimension, “5 1/2” MIN. Threads” is deleted. Add dimension, “1” MAX.” from top of barrier to bottom of the nut, Callout, was – “1” Diam. Threaded Rod ~ ASTM A 419” is revised to read; “1” (IN) Diam. Threaded Full Length Rod or Bolt ~ ASTM F 1554, Grade 105”. Note (Below Title), was – “Galvanize Exposed Anchor Rod End 1’ – 9” Min.” is revised to read; “Galvanized Anchor Bolt Full Length according to ASTM F 2329”. Subtitle – was “Threaded Rod” is revised to read; “Threaded Rod or Bolt”, Sheet 2, Anchor Plate detail, callout, was – 1” DIAM. HOLE (TYP.)” IS REVISED TO READ; “1 1/8” (IN) DIAM. HOLE (TYP.)” , callout, was – “1/2” Plate” is revised to read; “1/2” (IN) Plate ~ ASTM A36

C-1

Assembly Detail, Steel Post, (post) callout – was - “W6 x 9 or W6 x 15” is revised to read; “W6 x 8.5 or W6 x 9 or W6 x 15”

C-10

General Note 1, first sentence, was – “Length of W8 x 35 and W6 x 9 shall be determined by measurement from top of ground to top of grout pad.” Is revised to read; “Length of W8 x 35 and W6 x 8.5 or W6 x 9 shall be determined by measurement from top of ground to top of grout pad.”

Sheet 1, Post Base Plate Detail, callout, was – “W6 x 9” is revised to read; “W6 x 8.5 or W6 x 9”

Sheet 1, Box Culvert Guardrail Steel Post Type 2 detail, callout, was – “W6 x 9 Steel Post” is revised to read; “W6 x 8.5 or W6 x 9 Steel Post”

Sheet 1, Post Anchor Attachment Detail, callout, was – “W6 x 9 ~ See Note 1” is revised to read; “W6 x 8.5 or W6 x 9 ~ See Note 1”

Sheet 1, Detail A, callout, was – “W6 x 9 Steel Post ~ See Note 1” is revised to read; “W6 x 8.5 or W6 x 9 Steel Post ~ See Note 1”

Sheet 2, Box Culvert Guardrail Steel Post Type 1, callout, was – “W6 x 9 x 27.5” Steel Post” is revised to read; “W6 x 8.5 x 27.5” (IN) or W6 x 9 x 27.5” (IN) Steel Post”

Sheet 2, Detail B, callout, was – “W6 x 9 x 27.5” Steel Post” is revised to read; “W6 x 8.5 x 27.5” (IN) or W6 x 9 x 27.5” (IN) Steel Post”

C-16a

Note 1, reference C-28.40 is revised to C-20.10

C-16b

Note 3, reference C-28.40 is revised to C-20.10

C-22.14

Plan, callout, was – “Location of Post (Without Block) ~ W6 x 9 Steel Post Only” is revised to read; “Location of Post (Without Block) ~ W6 x 8.5 or W6 x 9 Steel Post Only”

Elevation, callout, was – “Location of Post (Without Block) ~ W6 x 9 Steel Post Only” is revised to read; “Location of Post (Without Block) ~ W6 x 8.5 or W6 x 9 Steel Post Only”

C-22.45

Note 1, was – “This Terminal is FHWA accepted at Test Level Two (TL-2) and may be used in applications with speeds of 40 MPH or less.” Is revised to read: “This Terminal is FHWA accepted at Test Level Two (TL-2) and may be used in applications with speeds of 45 MPH or less.” Plan Title, was – “Beam Guardrail Type 31 Non – Flared Terminal Steel Posts (Posted Speed ~ 40 MPH and Below)” is revised to read: “Beam Guardrail Type 31 Non – Flared Terminal Steel Posts (Posted Speed ~ 45 MPH and Below

D-10.10

Wall Type 1 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT Bridge Design Manual (BDM) and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.15

Wall Type 2 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.20

Wall Type 3 may be used in all cases. The last sentence of Note 6 on Wall Type 3 shall be revised to read: The seismic design of these walls has been completed using a site adjusted (effective) peak ground acceleration of 0.32g.

D-10.25

Wall Type 4 may be used in all cases. The last sentence of Note 6 on Wall Type 4 shall be revised to read: The seismic design of these walls has been completed using a site adjusted (effective) peak ground acceleration of 0.32g.

D-10.30

Wall Type 5 may be used in all cases.

D-10.35

Wall Type 6 may be used in all cases.

D-10.40

Wall Type 7 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.45

Wall Type 8 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the revisions stated in the 11/3/15 Bridge Design memorandum.

D-15.10

STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

D-15.20

STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

D-15.30

STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

F-10.12

Section Title, was – "Depressed Curb Section" is revised to read: "Depressed Curb and Gutter Section"

F-10.40

"EXTRUDED CURB AT CUT SLOPE", Section detail - Deleted

F-10.42

DELETE – "Extruded Curb at Cut Slope" View

G-24.40

Sheet 1, Elevation (upper left corner), callout, was – "Sign Brace~ 36" (IN) or larger in width required (See Standard Plan G-50.10)" is revised to read; "Sign Brace (See Standard Plan G-50.10)" Sheet 3, Elevation (upper left corner), callout, was – "Sign Brace~ 36" (IN) or larger in width required (See Standard Plan G-50.10)" is revised to read; "Sign Brace (See Standard Plan G-50.10)"

H-70.20

Sheet 2, Spacing Detail, Mailbox Support Type 1, reference to Standard Plan I-70.10 is revised to H-70.10

I-80.10

Stabilized Construction Entrance, Isometric View, add Note to read; “Note: At the discretion of the contractor, smaller rock may be used to fill in voids between the quarry spalls to create a walking pathway for crossing the construction entrance.”

J-3

DELETED

J-3b

DELETED

J-3C

DELETED

J-10.21

Note 18, was – “When service cabinet is installed within right of way fence, see Standard Plan J-10.22 for details.” Is revised to read; “When service cabinet is installed within right of way fence, or the meter base is mounted on the exterior of the cabinet, see Standard Plan J-10.22 for details.”

J-10.22

Key Note 1, was – “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305.” Is revised to read; “Meter base per serving utility requirements~ as a minimum, the meter base shall be safety socket box with factory-installed test bypass facility that meets the requirements of EUSERC drawing 305. When the utility requires meter base to be mounted on the side or back of the service cabinet, the meter base enclosure shall be fabricated from type 304 stainless steel.”

Key Note 4, “Test with (SPDT Snap Action, Positive close 15 Amp – 120/277 volt “T” rated). Is revised to read: “Test Switch (SPDT snap action, positive close 15 amp – 120/277 volt “T” rated).”

Key Note 14, was – “Hinged dead front with ¼ turn fasteners or slide latch.” Is revised to read; “Hinged dead front with ¼ turn fasteners or slide latch. ~ Dead front panel bolts shall not extend into the vertical limits of the breaker array(s).”

Key Note 15, was – “Cabinet Main Bonding Jumper. Buss shall be 4 lug tinned copper. See Cabinet Main bonding Jumper detail, Standard Plan J-3b.” is revised to read; “Cabinet Main Bonding Jumper Assembly ~ Buss shall be 4 lug tinned copper ~ See Standard Plan J-10.20 for Cabinet Main Bonding Jumper Assembly details.”

J-20.10

Add Note 5, “5. One accessible pedestrian signal assembly per pedestrian pushbutton post.”

J-20.11

Sheet 2, Foundation Detail, Elevation, callout – “Type 1 Signal Pole” is revised to read: “Type PS or Type 1 Signal Pole”

Sheet 2, Foundation Detail, Elevation, add note below Title, “(Type 1 Signal Pole Shown)”

Add Note 6, “6. One accessible pedestrian signal assembly per pedestrian pushbutton post.”

J-20.26

Add Note 1, “1. One accessible pedestrian pushbutton station per pedestrian pushbutton post.”

J-20.16

View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE

J-21.10

Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR.. Delete "(TYP.)" from the 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.

Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 ½" CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.

J-21.15

Partial View, callout, was – LOCK NIPPLE ~ 1 ½" DIAM., is revised to read; CHASE NIPPLE ~ 1 ½" (IN) DIAM.

J-21.16

Detail A, callout, was – LOCKNIPPLE, is revised to read; CHASE NIPPLE

J-22.15

Ramp Meter Signal Standard, elevation, dimension 4' - 6" is revised to read; 6'-0"

(2x) Detail A, callout, was – LOCK NIPPLE ~ 1 ½" DIAM. is revised to read; CHASE NIPPLE ~ 1 ½" (IN) DIAM.

J-28.45

Steel Light Standard Elbow Detail, dimension, was – "1-1/2" MAX." is revised to read; 2" MAX.. callout, was – "1.00 – 8 UNC x 8" (IN) long bolt threaded full length (ASTM A325 or F1554 GR. 105) with two heavy hex nuts, two plate washers, and a round washer (Typ.) (Galvanized AASHTO M232)" is revised to read; "1.00 – 8 UNC x 8 1/2" (IN) long bolt threaded full length (ASTM A325 or F1554 GR. 105) with two heavy hex nuts, two plate washers, and a round washer (Typ.) (Galvanized per AASHTO F2329)". callout, was – "3/16" (IN) thick preformed "Fabreeka" fabric pad with 5" (IN) diam. hole ~ cement to flange plate and trim outside edge flush" is revised to read; "3/16" (IN) or 1/4" (IN) thick preformed "Fabreeka" fabric pad with 5" (IN) diam. hole ~ cement to flange plate and trim outside edge flush". Exploded Isometric View, callout, was – "1" (IN) Diam. Heavy Hex Bolt (Typ.)" is revised to read; 1" Diam. Bolt (Typ.). Section B, callout, was – "3 1/2" (IN) x 3/16" (IN)(17" (IN))..." is revised to read; "4" (IN) x 3/16" (IN)(17" (IN))...". Typical Sections, two traffic barrier views, add dimension [from the top of the pole base plate to the bottom of the Hand Hole]"6" MIN.". all three views, callout, was – "1" (IN) Diam. H. S. bolt w/ hardened lock washer and nut (Typ.) (ASTM A325 or F1554 GR. 105)" is revised to read; "1" (IN) Diam. H. S. bolt w/ hardened lock washer and nut (Typ.) (ASTM A449 or F1554 GR. 105)".

J-28.50

Section D, callout, was – Backup Strip (ref. to key note 3) is revised to read; “Continuous Backup Strip (ref. to key note 3)”

Key Note 3, was – ¼” Thick, or No thinner than pole wall thickness. Tack weld or seal weld to Base plate. Is revised to read; “1/4” Thick, or No thinner than Pole wall thickness. Tack weld in root or continuous seal weld to Base plate or Pole wall.”

J-28.60

Section B, callout, was – “Continuous Back-up ring – 1/4” or no thinner than pole wall thickness ~ tack weld to plate” is revised to read; “Continuous Back-up ring ~ 1/4” or no thinner than pole wall thickness ~ tack weld in root or continuous seal weld to base plate or pole wall”

J-28.70

Detail C, dimension, 2” MAX. is revised to read: 1” MAX.

Detail D, dimension, 2” MAX. is revised to read: 1” MAX.

J-29.10

Galvanized Welded Wire Mesh detail, callout – “Drill and Tap for ¼” Diam. Cap Screw, 3 Places, @ 9” center, all 4 edges S.S. Screw, ASTM F593 and washer”

Is revised to read;

“*Drill and Tap ¼” (IN) Diam. x 1” (IN) Cap Screw with washer ~ space approx.. 9” o.c. ~ Liberally coat threads with Anti-seize compound (TYP.)”

Add Boxed note: * Bolts, Nuts, and washers ~ ASTM F593 or A193 Type 304 or Type 316 Stainless Steel (S.S.)

J-29.15

Title, “Camera Pole Standard” is revised to read; “Camera Pole Standard Details”

J-29-16

Title, “Camera Pole Standard Details” is revised to read; “Camera Pole Details”

J-40.10

Sheet 2 of 2, Detail F, callout, “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 12” S. S. FLAT WASHER” is revised to read; “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 1/2” (IN) S. S. FLAT WASHER”

J-60.14

All references to J-16b (6x) are revised to read; J-60.11

J-90.10

Section B, callout, “Hardware Mounting Rack ~ S. S. 1-5/8” Slotted Channel” is revised to read: “Hardware Mounting Rack (Typ.) ~ Type 304 S. S. 1-5/8” Slotted Channel”

J-90.20

Section B, callout, “Hardware Mounting Rack (Typ.) ~ S. S. 1-5/8” Slotted Channel” is revised to read: “Hardware Mounting Rack (Typ.) ~ Type 304 S. S. 1-5/8” Slotted Channel”

K-80.10

Sign Installation (Fill Section), dimension, 6’ TO 12’ MIN. is revised to read: 12’ MIN.

Sign Installation (Sidewalk and Curb Section), dimension, 6’ TO 12’ MIN. is revised to read: 12’ MIN.

Sign Installation (Behind Traffic Barrier Section), Delete dimensions - 6' TO 12' MIN. and 6' MIN.

Sign with Supplemental Plaque Installation (Fill Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN.

Sign Installation (Ditch Section), dimension, 6' TO 12' MIN. is revised to read: 12' MIN. Delete dimension – 6' MIN.

K-80.30

In the NARROW BASE, END view, the reference to Std. Plan C-8e is revised to Std. Plan K-80.35

M-11.10

Layout, dimension (from stop bar to "X"), was – 23' is revised to read; 24'

M-20.30

Sheet 2, Plan View, One-Way Roadway Recessed Pavement Marker Details, ONE-WAY TRAFFIC arrow symbol, is revised to point in the opposite direction (towards the rpm)

The following are the Standard Plan numbers applicable at the time this project was advertised. The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.10-00.....8/7/07	A-30.35-00.....10/12/07	A-50.20-01.....9/22/09
A-10.20-00.....10/5/07	A-40.00-00.....8/11/09	A-50.30-00.....11/17/08
A-10.30-00.....10/5/07	A-40.10-03.....12/23/14	A-50.40-00.....11/17/08
A-20.10-00.....8/31/07	A-40.15-00.....8/11/09	A-60.10-03.....12/23/14
A-30.10-00.....11/8/07	A-40.20-03.....12/23/14	A-60.20-03.....12/23/14
	A-40.50-02.....12/23/14	A-60.30-00.....11/8/07
A-30.30-01.....6/16/11	A-50.10-00.....11/17/08	A-60.40-00.....8/31/07
B-5.20-01.....6/16/11	B-30.50-01.....4/26/12	B-75.20-01.....6/10/08
B-5.40-01.....6/16/11	B-30.70-03.....4/26/12	B-75.50-01.....6/10/08
B-5.60-01.....6/16/11	B-30.80-00.....6/8/06	B-75.60-00.....6/8/06
B-10.20-01.....2/7/12	B-30.90-01.....9/20/07	B-80.20-00.....6/8/06
B-10.40-00.....6/1/06	B-35.20-00.....6/8/06	B-80.40-00.....6/1/06
B-10.60-00.....6/8/06	B-35.40-00.....6/8/06	B-82.20-00.....6/1/06
B-15.20-01.....2/7/12	B-40.20-00.....6/1/06	B-85.10-01.....6/10/08
B-15.40-01.....2/7/12	B-40.40-01.....6/16/10	B-85.20-00.....6/1/06
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B-20.40-03.....3/16/12	B-50.20-00.....6/1/06	B-85.50-01.....6/10/08
B-20.60-03.....3/15/12	B-55.20-00.....6/1/06	B-90.10-00.....6/8/06
B-25.20-01.....3/15/12	B-60.20-00.....6/8/06	B-90.20-00.....6/8/06
B-25.60-00.....6/1/06	B-60.40-00.....6/1/06	B-90.30-00.....6/8/06
B-30.10-01.....4/26/12	B-65.20-01.....4/26/12	B-90.40-00.....6/8/06
B-30.20-02.....4/26/12	B-65.40-00.....6/1/06	B-90.50-00.....6/8/06
B-30.30-01.....4/26/12	B-70.20-00.....6/1/06	B-95.20-01.....2/3/09
B-30.40-01.....4/26/12	B-70.60-00.....6/1/06	B-95.40-00.....6/8/06
C-1.....6/16/11	C-6.....5/30/97	C-23.60-03.....6/11/14
C-1a.....7/14/15	C-6a.....10/14/09	C.24.10-01.....6/11/14
C-1b.....7/14/15	C-6c.....1/6/00	C-25.18-05.....7/14/15

C-1c.....5/30/97	C-6d.....5/30/97	C-25.20-06.....7/14/15
C-1d.....10/31/03	C-6f.....7/25/97	C-25.22-05.....7/14/15
C-2.....1/6/00	C-7.....6/16/11	C-25.26-03.....7/14/15
C-2a.....6/21/06	C-7a.....6/16/11	C-25.80-03.....6/11/14
C-2b.....6/21/06	C-8.....2/10/09	C-40.14-02.....7/2/12
C-2c.....6/21/06	C-8a.....7/25/97	C-40.16-02.....7/2/12
C-2d.....6/21/06	C-8b.....6/27/11	C-40.18-02.....7/2/12
C-2e.....6/21/06	C-8e.....2/21/07	C-70.10-01.....6/17/14
C-2f.....3/14/97	C-8f.....6/30/04	C-75.10-01.....6/11/14
C-2g.....7/27/01	C-10.....6/3/10	C-75.20-01.....6/11/14
C-2h.....3/28/97	C-16a.....6/3/10	C-75.30-01.....6/11/14
C-2i.....3/28/97	C-16b.....6/3/10	C-80.10-01.....6/11/14
C-2j.....6/12/98	C-20.10-03.....7/14/15	C-80.20-01.....6/11/14
C-2k.....7/27/01	C-20.14-03.....6/11/14	C-80.30-01.....6/11/14
C-2n.....7/27/01	C-20.15-02.....6/11/14	C-80.40-01.....6/11/14
C-2o.....7/13/01	C-20.18-02.....6/11/14	C-80.50-00.....4/8/12
C-2p.....10/31/03	C-20.19-02.....6/11/14	C-85.10-00.....4/8/12
C-3.....7/2/12	C-20.40-05.....7/14/15	C-85.11-00.....4/8/12
	C-20.41-01.....7/14/15	
C-3a.....10/4/05	C-20.42-05.....7/14/15	C-85.14-01.....6/11/14
C-3b.....6/27/11	C-20.45.01.....7/2/12	C-85.15-01.....6/30/14
C-3c.....6/27/11	C-22.14-03.....6/11/14	C-85.16-01.....6/17/14
C-4b.....6/8/06	C-22.16-05.....7/14/15	C-85.18-01.....6/11/14
C-4e.....10/23/14	C-22.40-04.....10/23/14	C-85.20-01.....6/11/14
	C-22.41-01.....10/23/14	
C-4f.....7/2/12	C-22.45-01.....10/23/14	C-90.10-00.....7/3/08
D-2.04-00.....11/10/05	D-2.48-00.....11/10/05	D-3.17-01.....5/17/12
D-2.06-01.....1/6/09	D-2.64-01.....1/6/09	D-4.....12/11/98
D-2.08-00.....11/10/05	D-2.66-00.....11/10/05	D-6.....6/19/98
D-2.14-00.....11/10/05	D-2.68-00.....11/10/05	D-10.10-01.....12/2/08
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D-2.18-00.....11/10/05	D-2.82-00.....11/10/05	D-10.20-00.....7/8/08
D-2.20-00.....11/10/05	D-2.84-00.....11/10/05	D-10.25-00.....7/8/08
D-2.32-00.....11/10/05	D-2.86-00.....11/10/05	D-10.30-00.....7/8/08
D-2.34-01.....1/6/09	D-2.88-00.....11/10/05	D-10.35-00.....7/8/08
D-2.36-03.....6/11/14	D-2.92-00.....11/10/05	D-10.40-01.....12/2/08
D-2.42-00.....11/10/05	D-3.09-00.....5/17/12	D-10.45-01.....12/2/08
D-2.44-00.....11/10/05	D-3.10-01.....5/29/13	D-15.10-01.....12/2/08
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D-2.62-00.....11/10/05	D-3.15-02.....6/10/13	D-15.30-01.....12/02/08
D-2.46-01.....6/11/14	D-3.16-02.....5/29/13	
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E-2.....5/29/98	E-4a.....8/27/03	
F-10.12-03.....6/11/14	F-10.62-02.....4/22/14	F-40.15-02.....6/20/13
F-10.16-00.....12/20/06	F-10.64-03.....4/22/14	F-40.16-02.....6/20/13
F-10.18-00.....6/27/11	F-30.10-03.....6/11/14	F-45.10-01.....6/21/12
F-10.40-02.....6/21/12	F-40.12-02.....6/20/13	F-80.10-03.....6/11/14
F-10.42-00.....1/23/07	F-40.14-02.....6/20/13	

G-10.10-00.....9/20/07	G-24.60-04.....6/23/15	G-70.20-02....6/10/13
G-20.10-02.....6/23/15	G-25.10-04.....6/10/13	G-70.30-02.....6/10/13
G-22.10-03.....7/10/15	G-30.10-04.....6/23/15	G-90.10-01.....5/11/11
G-24.10-00.....11/8/07	G-50.10-02.....6/23/15	G-90.20-03.....7/10/15
G-24.20-01.....2/7/12	G-60.10-03.....6/18/15	G-90.30-02.....3/22/13
G-24.30-01.....2/7/12	G-60.20-02.....6/18/15	G-90.40-01.....10/14/09
G-24.40-05.....6/23/15	G-60.30-02.....6/18/15	G-95.10-01.....6/2/11
G-24.50-03.....6/17/14	G-70.10-03.....6/18/15	G-95.20-02.....6/2/11
		G-95.30-02.....6/2/11
H-10.10-00.....7/3/08	H-32.10-00.....9/20/07	H-70.10-01.....2/7/12
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I-30.16-00.....3/22/13	I-30.60-00.....5/29/13	I-60.20-01.....6/10/13
I-30.17-00.....3/22/13	I-40.10-00.....9/20/07	I-80.10-01.....8/11/09
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J-10.17-00.....6/3/15	J-28.22-00.....8/07/07	J-50.15-00.....6/3/11
J-10.18-00.....6/3/15	J-28.24-01.....6/3/15	J-50.16-01.....3/22/13
J-10.20-00.....6/3/15	J-28.26-01.....12/02/08	J-50.20-00.....6/3/11
J-10.21-00.....6/3/15	J-28.30-03.....6/11/14	J-50.25-00.....6/3/11
J-10.22-00.....5/29/13	J-28.40-02.....6/11/14	J-50.30-00.....6/3/11
J-15.10-01.....6/11/14	J-28.42-01.....6/11/14	J-60.05-00.....6/16/11
	J-28.43-00.....6/11/14	
J-15.15-02.....7/10/15	J-28.45-02.....6/11/14	J-60.11-00.....5/20/13
J-20.10-03.....6/30/14	J-28.50-02.....6/2/11	J-60.12-00.....5/20/13
J-20.11-02.....6/30/14	J-28.60-01.....6/2/11	J-60.13-00.....6/16/10
J-20.15-03.....6/30/14	J-28.70-01.....5/11/11	J-60.14-00.....6/16/10
J-20.16-02.....6/30/14	J-29.10-00.....6/27/11	J-75.10-02.....7/10/15
J-20.20-02.....5/20/13	J-29.15-00.....6/27/11	J-75.20-01.....7/10/15
J-20.26-01.....7/12/12	J-29.16-01.....6/20/13	J-75.30-02.....7/10/15
J-21.10-04.....6/30/14	J-30.10-00.....6/18/15	J-75.40-01.....6/11/14
		J-75.41-00.....6/11/14
J-21.15-01.....6/10/13	J-40.10-03.....5/20/13	J-75.45-01.....6/11/14
J-21.16-01.....6/10/13	J-40.20-02.....6/11/14	J-90.10-01.....6/27/11
J-21.17-01.....6/10/13	J-40.30-03.....5/20/13	J-90.20-01.....6/27/11
J-21.20-01.....6/10/13	J-40.35-01.....5/29/13	J-90.21-00.....6/30/14
J-22.15-02.....7/10/15	J-40.36-01.....5/20/13	
J-22.16-03.....7/10/15	J-40.37-01.....5/20/13	
J-26.10-02.....3/15/12	J-40.38-01.....5/20/13	
	J-40.39-00.....5/20/13	

K-70.20-00.....2/15/07
K-80.10-00.....2/21/07
K-80.20-00.....12/20/06
K-80.30-00.....2/21/07
K-80.35-00.....2/21/07
K-80.37-00.....2/21/07

L-10.10-02.....6/21/12
L-20.10-03.....7/14/15
L-30.10-02.....6/11/14

L-40.10-02.....6/21/12
L-40.15-01.....6/16/11
L-40.20-02.....6/21/12

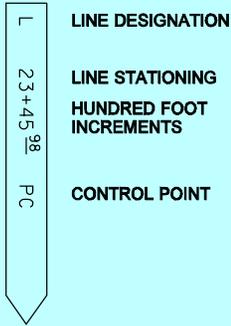
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M-1.40-02.....6/3/11
M-1.60-02.....6/3/11
M-1.80-03.....6/3/11
M-2.20-03.....7/10/15
M-2.21-00.....7/10/15
M-3.10-03.....6/3/11
M-3.20-02.....6/3/11
M-3.30-03.....6/3/11
M-3.40-03.....6/3/11
M-3.50-02.....6/3/11
M-5.10-02.....6/3/11
M-7.50-01.....1/30/07
M-9.50-02.....6/24/14

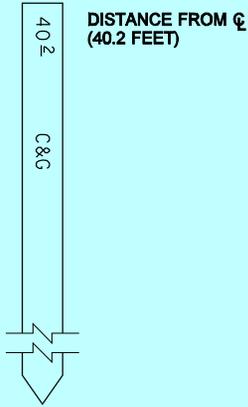
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M-17.10-02.....7/3/08
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M-20.20-02.....4/20/15
M-20.30-03.....4/20/15
M-20.40-03.....6/24/14
M-20.50-02.....6/3/11
M-24.20-02.....4/20/15
M-24.40-02.....4/20/15
M-24.50-00.....6/16/11
M-24.60-04.....6/24/14

M-40.10-03.....6/24/14
M-40.20-00...10/12/07
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M-40.40-00.....9/20/07
M-40.50-00.....9/20/07
M-40.60-00.....9/20/07
M-60.10-01.....6/3/11
M-60.20-02.....6/27/11
M-65.10-02.....5/11/11
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M-80.20-00.....6/10/08
M-80.30-00.....6/10/08

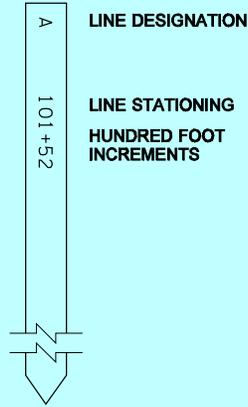
APPENDIX A



ALIGNMENT STAKE
STAKE EVERY 100 FEET ON TANGENTS,
EVERY 25 FEET ON CURVES

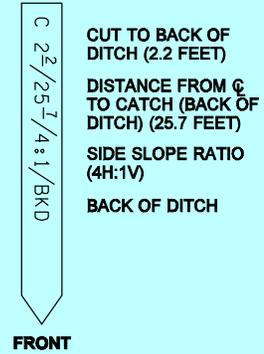


FRONT

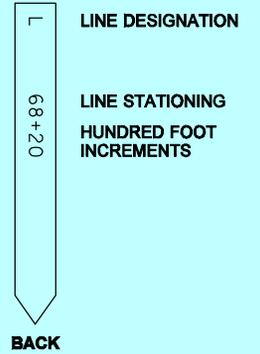


BACK

CLEARING/GRUBBING (C&G) LATH
STAKE AT EACH FULL STATION,
100 FEET ON TANGENTS,
EVERY 25 FEET ON CURVES.
NO HUB NECESSARY.

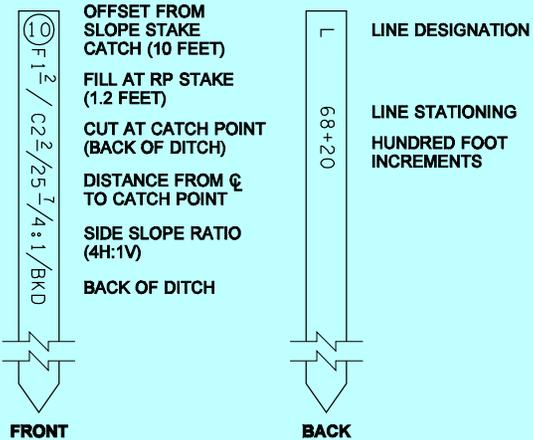


FRONT



BACK

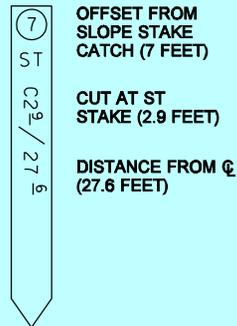
SLOPE STAKE



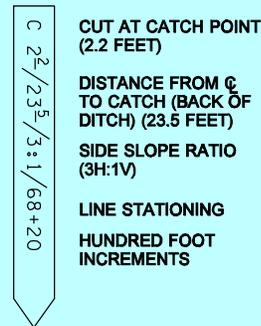
FRONT

BACK

LATH FOR SLOPE REFERENCES

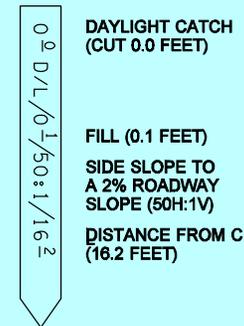


FRONT



BACK

**SLOPE TREATMENT (ST) STAKE
FOR CUT SECTIONS**



DAYLIGHT (D/L) STAKE



SURVEY STAKES

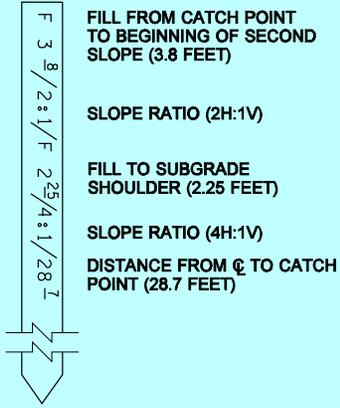
STANDARD PLAN A-10.10-00

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

Pasco Bakotich III 08-07-07

STATE DESIGN ENGINEER DATE



FILL FROM CATCH POINT TO BEGINNING OF SECOND SLOPE (3.8 FEET)

SLOPE RATIO (2H:1V)

FILL TO SUBGRADE SHOULDER (2.25 FEET)

SLOPE RATIO (4H:1V)

DISTANCE FROM ϕ TO CATCH POINT (28.7 FEET)

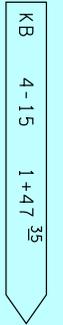


FRONT

DITCH CUT TO BOTTOM OF DITCH (0.60 FEET)

DISTANCE FROM CATCH POINT TO BOTTOM OF DITCH (2.4 FEET)

SIDE SLOPE RATIO (4H:1V)



BACK

STRUCTURE NOTE REFERENCE

PLAN SHEET NUMBER (4) STRUCTURE NOTE NUMBER (15)

DITCH SECTION ALIGNMENT STATIONING

STAKE FOR DITCH CONSTRUCTION



FRONT

OFFSET TO CENTER OF BASE (10 FEET)

FILL TO TOP OF CONCRETE BASE (1.1 FEET TO TOP OF FOUNDATION)



BACK

LUMINAIRE NUMBER (23)

LINE DESIGNATION AND STATIONING

HUNDRED FOOT INCREMENTS

STAKE FOR FOUNDATION OF LUMINAIRES, SIGNALS OR SIGN STRUCTURES

COMPOUND SLOPE LATH



FILL TO SUBGRADE (0.35 FEET)

FILL TO FINISH GRADE (CURB ELEVATION) (0.73 FEET)

DISTANCE FROM ϕ (14.3 FEET)

SLOPE RATIO (2H:1V)



FRONT

OFFSET (10 FEET)

CUT TO FLOW LINE (1.26 FEET)



BACK

STRUCTURE NOTE REFERENCE

PLAN SHEET NUMBER (6) STRUCTURE NOTE NUMBER (3)

DRAINAGE ALIGNMENT STATIONING

25' INCREMENTS

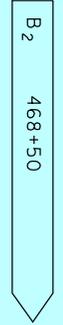
STAKE FOR DRAINAGE



FRONT

OFFSET (3 FEET)

FILL TO TOP AND BACK EDGE OF CURB (0.90 FEET)



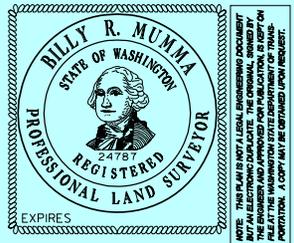
BACK

LINE DESIGNATION

LINE STATIONING

HUNDRED FOOT INCREMENTS

STAKE FOR CURB/GUTTER



SURVEY STAKES

STANDARD PLAN A-10.10-00

SHEET 2 OF 2 SHEETS

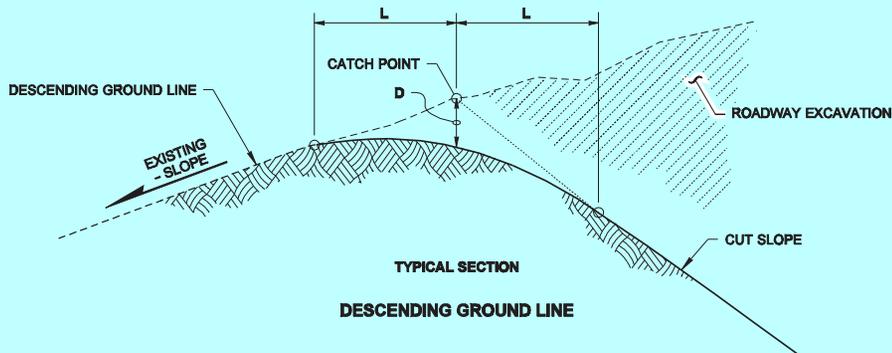
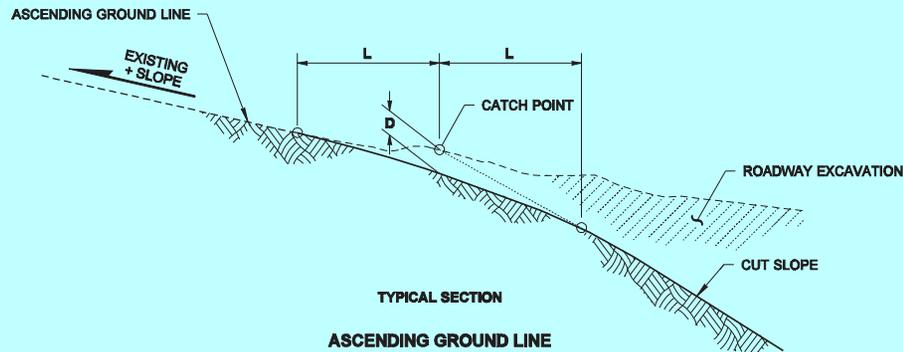
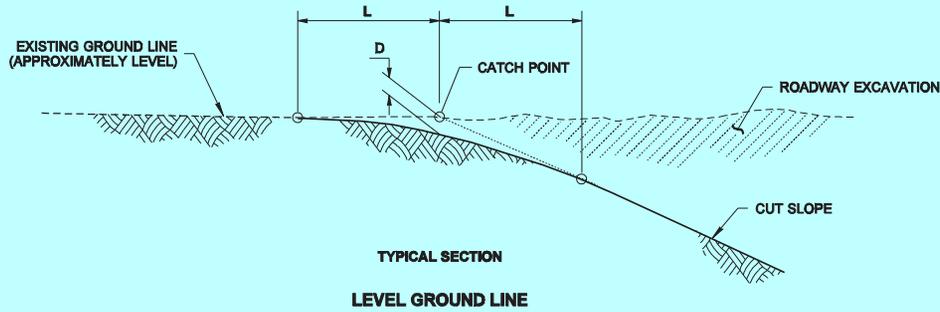
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STATE DESIGN ENGINEER DATE



SLOPE LATH FOR CURB SECTION



NOTES

1. Slope treatment shall be constructed simultaneously with the roadway excavation. Hand trimming will not be required if satisfactory results are obtained with mechanical equipment.
2. Slope treatment is used to provide a transition between the existing ground and the cut slope. The intended purpose is to eliminate the abrupt edge and give the area a more natural appearance. The dimensions shown are approximate and can vary to achieve this purpose.

CUT SLOPE (H : V)	GROUND LINE (H : V)	CLASS A	CLASS B
		L = 10.0'	L = 5.0'
		D	D
1.5 : 1	+2 : 1	0.5'	◊
	+3 : 1	1.0'	0.5'
	+4 : 1	1.0'	0.5'
	+6 : 1	1.2'	0.8'
	≈ LEVEL	2.0'	1.0'
	-6 : 1	2.2'	1.0'
	-4 : 1	2.0'	1.0'
2 : 1	-3 : 1	3.0'	1.5'
	+3 : 1	0.5'	◊
	+4 : 1	0.5'	◊
	+6 : 1	1.2'	0.5'
	≈ LEVEL	1.5'	0.8'
	-6 : 1	2.2'	1.0'
	-4 : 1	2.0'	1.0'
3 : 1	-3 : 1	3.0'	1.5'
	+6 : 1	0.5'	◊
	≈ LEVEL	1.0'	0.5'
	-6 : 1	1.2'	0.5'
	-4 : 1	1.5'	0.8'
4 : 1	-3 : 1	2.0'	1.0'
	≈ LEVEL	0.5'	◊
	-6 : 1	1.0'	0.5'
	-4 : 1	1.2'	0.5'
5 : 1	-3 : 1	1.5'	0.8'
	≈ LEVEL	0.5'	◊
	-6 : 1	1.0'	0.5'
	-4 : 1	1.2'	0.5'

◊ SLOPE TREATMENT NOT REQUIRED



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT

MARK W. MAURER
CERTIFICATE NO. 000598

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SLOPE TREATMENT

STANDARD PLAN A-20.10-00

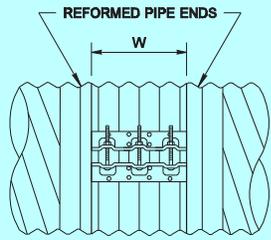
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

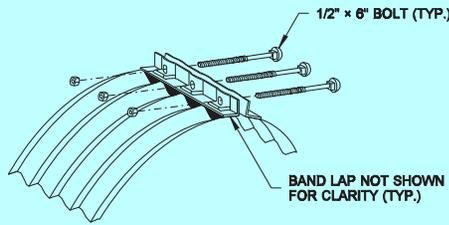
Pasco Bakotich III **08-31-07**

STATE DESIGN ENGINEER DATE

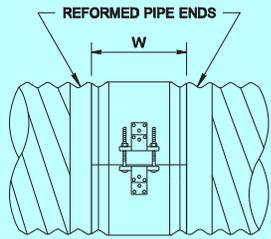
 Washington State Department of Transportation



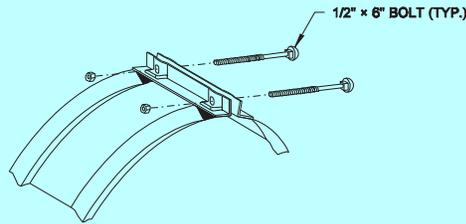
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ANNULAR CORRUGATED BAND**



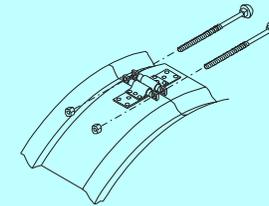
**TYPE D
BAND ANGLE CONNECTOR DETAIL**



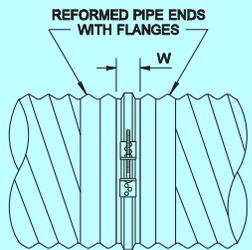
**TYPE F
SEMI-CORRUGATED BAND**



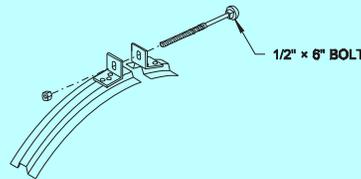
**TYPE F
BAND ANGLE CONNECTOR DETAIL**



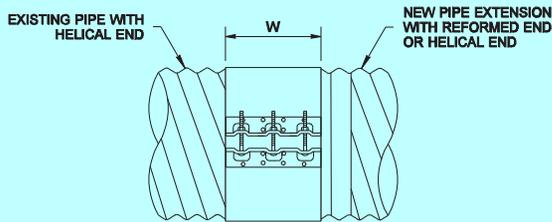
**TYPE F
BAR & STRAP CONNECTOR DETAIL**



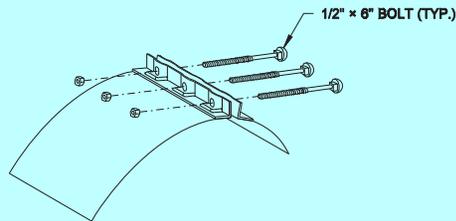
**TYPE J
FLANGE BAND**



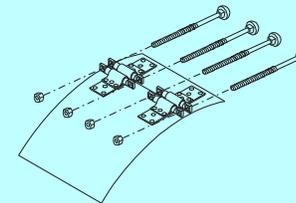
**TYPE J
BAND ANGLE CONNECTOR DETAIL**



**TYPE K
FLAT BAND OR DIMPLE BAND**



**TYPE K
BAND ANGLE CONNECTOR DETAIL**



**TYPE K
DOUBLE BAR & STRAP CONNECTOR DETAIL**

COUPLING BAND DIMENSION TABLE (ALL DIMENSIONS ARE IN INCHES)					
BAND TYPE	CORRUGATION PITCH x DEPTH	PIPE DIAM.	MIN. W	GASKET TYPE	
STEEL	D	2 2/3 x 1/2 OR 3 x 1	12 ~ 84	12	SLEEVE
		REFORMED TO 2 2/3 x 1/2	90 ~ 144	24	SLEEVE
	F	3 x 1	12 ~ 84	10 1/2	O-RING
		REFORMED TO 2 2/3 x 1/2	12 ~ 84	10 1/2	O-RING
	J	2 2/3 x 1/2	12 ~ 48	2 3/4	BUTYL
	K	2 2/3 x 1/2	12 ~ 48	12	SLEEVE
* 3 x 1		54 ~ 144	24		
ALUMINUM	D	2 2/3 x 1/2	12 ~ 72	12	SLEEVE
		3 x 1	36 ~ 80	12	
	F	REFORMED TO 2 2/3 x 1/2	66 ~ 108	24	O-RING
		2 2/3 x 1/2	12 ~ 48	10 1/2	
	K	2 2/3 x 1/2	12 ~ 48	12	SLEEVE
* 3 x 1		54 ~ 84	24		
		* 3 x 1	54 ~ 96	24	

* PIPE ARCH ONLY



EXPIRES JULY 1, 2007

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**COUPLING BANDS FOR
CORRUGATED METAL PIPE
STANDARD PLAN B-60.40-00**

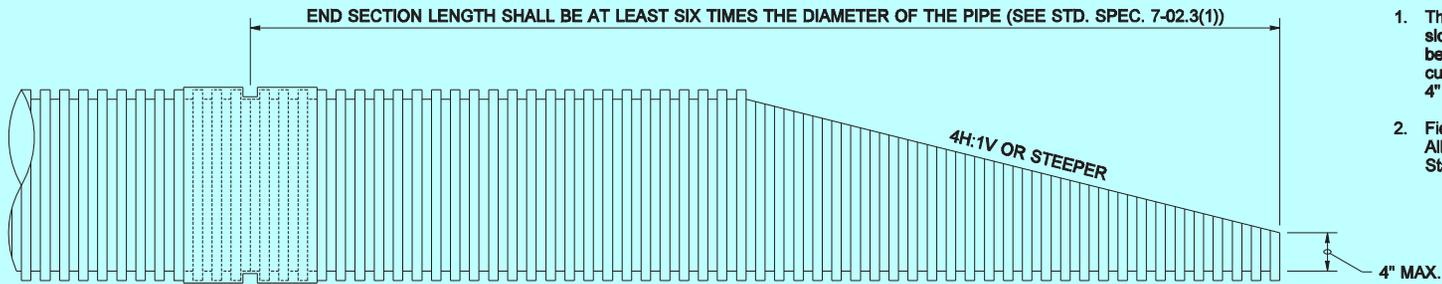
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Harold J. Peterfeso 06-01-06

STATE DESIGN ENGINEER DATE

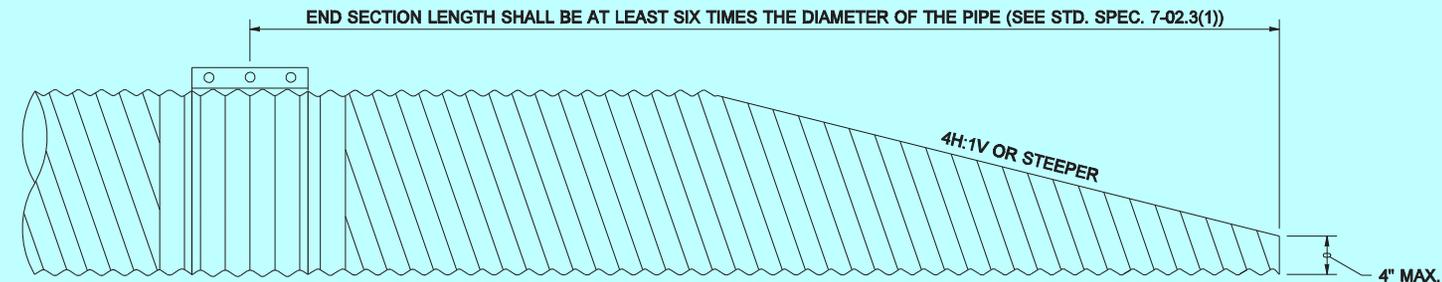




THERMOPLASTIC PIPE



CONCRETE PIPE



METAL PIPE

NOTES

1. The culvert ends shall be beveled to match the embankment or ditch slope and shall not be beveled flatter than 4H:1V. When slopes are between 4H:1V and 6H:1V, shape the slope in the vicinity of the culvert end to ensure that no part of the culvert protrudes more than 4" above the ground line.
2. Field cutting of culvert ends is permitted when approved by the Engineer. All field-cut culvert pipe shall be treated with treatment as shown in the Standard Specifications or General Special Provisions.

FOR CULVERTS 30" DIAMETER OR LESS



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BEVELED END SECTIONS
STANDARD PLAN B-70.20-00

SHEET 1 OF 1 SHEET

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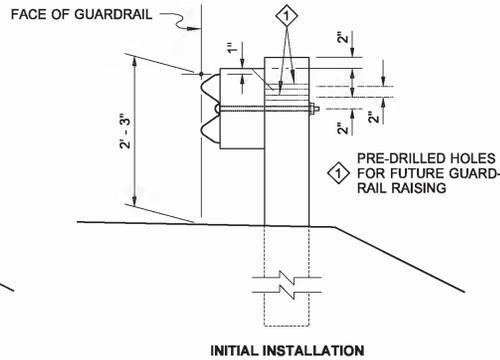
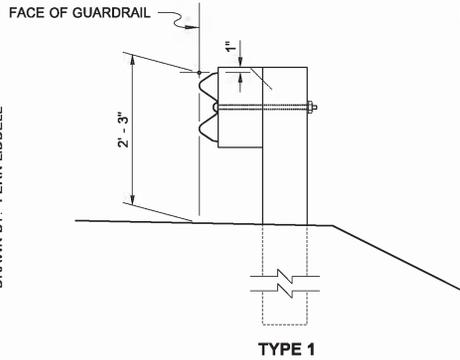
Harold J. Peterfeso 06-01-06

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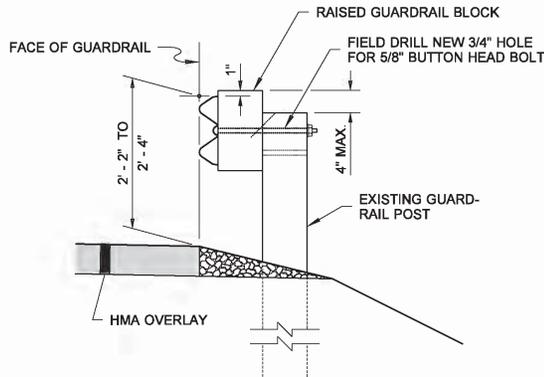
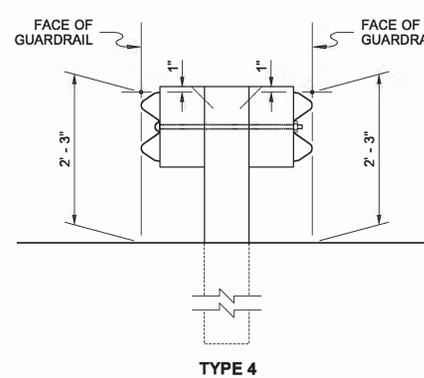
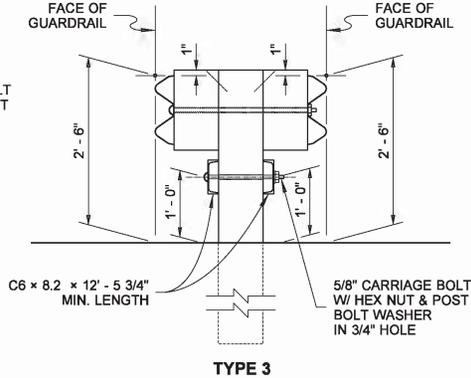
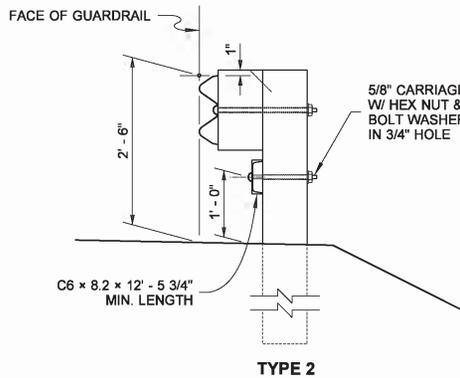
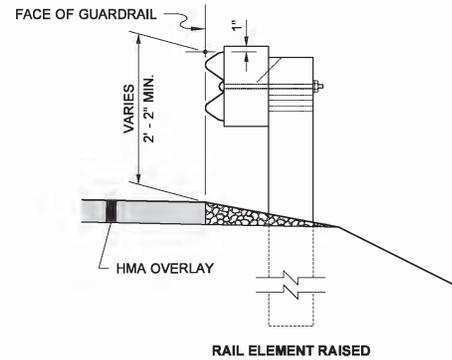


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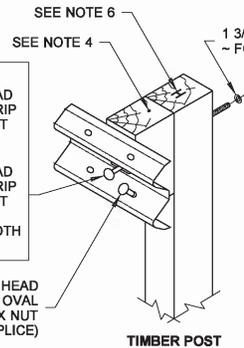
TYPE 1 ALTERNATIVE



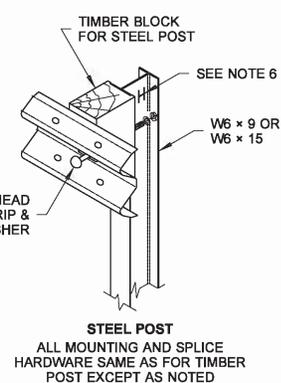
TYPES 1 & 2
5/8" x 18" BUTTON HEAD BOLT W/ 7/32" OVAL GRIP & RECESSED HEX NUT

TYPES 3 & 4
5/8" x 25" BUTTON HEAD BOLT W/ 7/32" OVAL GRIP & RECESSED HEX NUT OR 5/8" ROD THREADED BOTH ENDS W/ HEX NUTS

5/8" x 1 1/4" BUTTON HEAD SPLICE BOLT W/ 7/32" OVAL GRIP & RECESSED HEX NUT (EIGHT REQUIRED PER SPLICE)



TYPES 1 & 2
5/8" x 10" BUTTON HEAD BOLT W/ 7/32" OVAL GRIP & HEX NUT W/ CUT WASHER



ASSEMBLY DETAIL

NOTES

- When required by the Contract, a Snow Load Post Washer shall be used on the backside of the post (in lieu of the 1 3/4" Post Bolt Washer) and a Snow Load Rail Washer shall be placed on the face side of Beam Guardrail Types 1 and 2. Snow Load Rail Washers shall not be installed on terminals.
- Rail Washers, also called "Snow Load Rail Washers" are not required on new installation except as called for in Note 1. Unnecessary Rail washers need not be removed from existing installations, except those on posts 2 through 8 of a BCT installation shall be removed.
- Beam Guardrail post spacing for Types 1 through 4 shall be 6' - 3" on centers.
- Timber blocks shall be toe-nailed to the post with a16d galvanized nail to prevent block rotation.
- For post and block details, see **Standard Plan C-1b**.
- When "Beam Guardrail Type - ___ Ft. Long Post" is specified in the Contract, the post length shall be stamped with numbers, 1 1/2" min. high and 3/4" wide at the location where the letter "H" is shown in the ASSEMBLY DETAIL. For wood post applications, the letter shall be stamped to a minimum depth of 1/4". For steel post applications, the letter shall be legible after the post is galvanized. After post installation, it shall be the Contractor's responsibility to ensure that the stamped numbers remain visible.
- Existing posts shall not be raised. Replace posts as necessary to achieve required guardrail height.



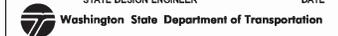
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**BEAM GUARDRAIL
TYPES 1 ~ 4
(W-BEAM)
STANDARD PLAN C-1**

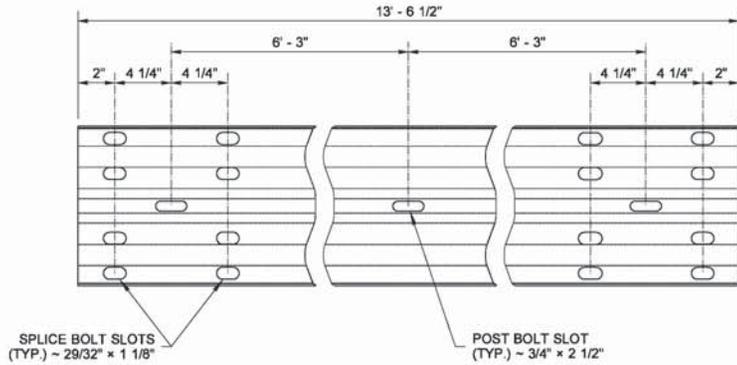
SHEET 1 OF 2 SHEETS

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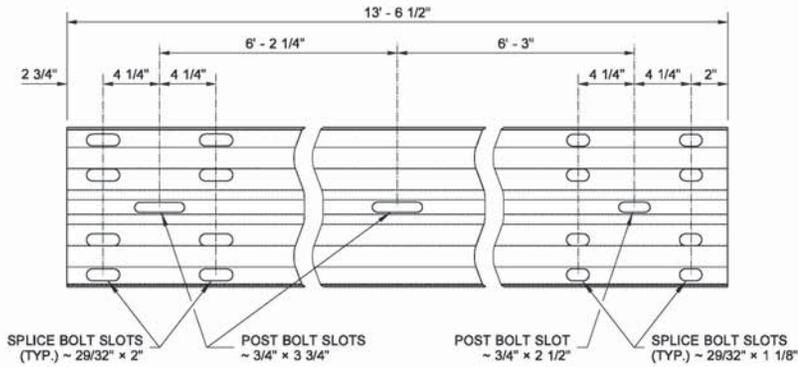
Pasco Bakotich III 06-16-11
STATE DESIGN ENGINEER DATE



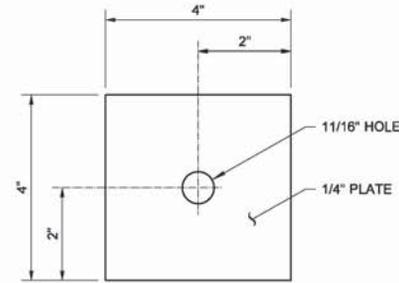
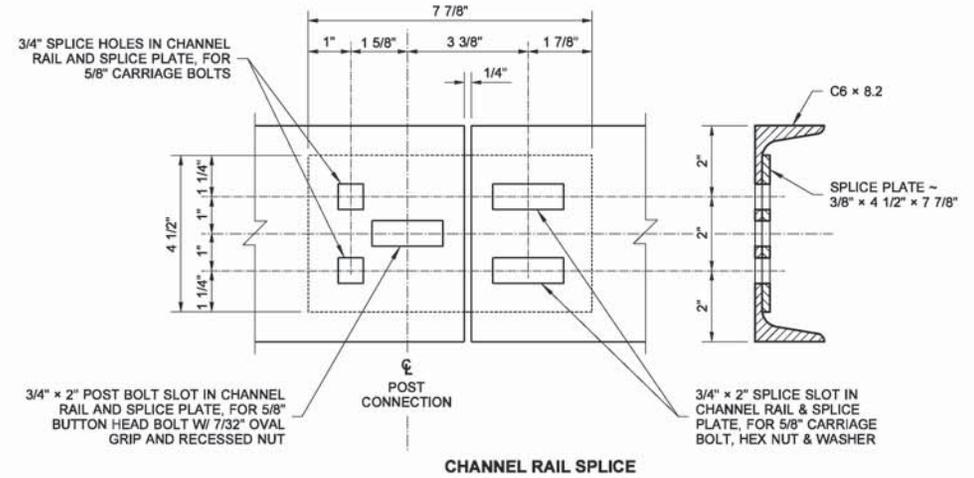
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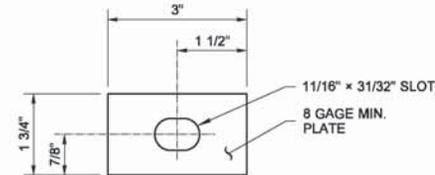
TYPICAL RAIL ELEMENT



EXPANSION SECTION



SNOW LOAD POST WASHER
SEE NOTE 1



SNOW LOAD RAIL WASHER
SEE NOTES 1 & 2



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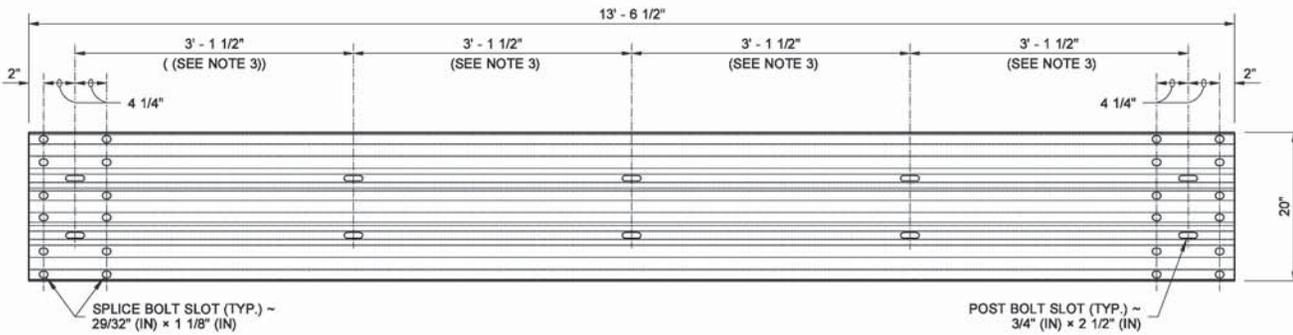
**BEAM GUARDRAIL
TYPES 1 ~ 4
(W-BEAM)
STANDARD PLAN C-1**

SHEET 2 OF 2 SHEETS
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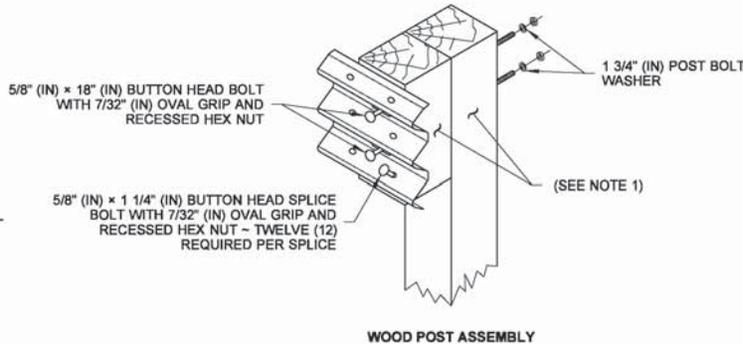
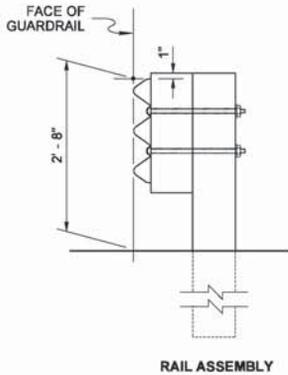
Pasco Bakotich III 06-16-11

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Washington State Department of Transportation

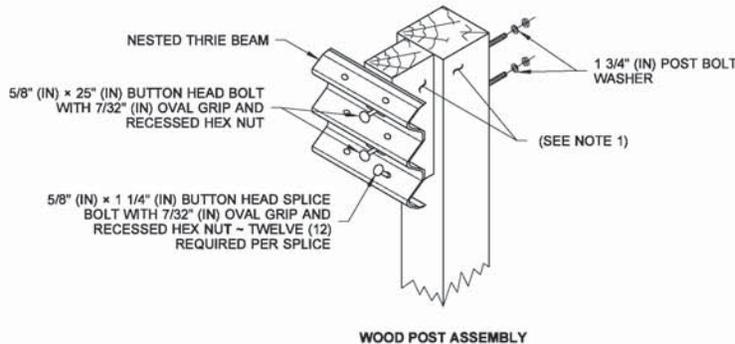
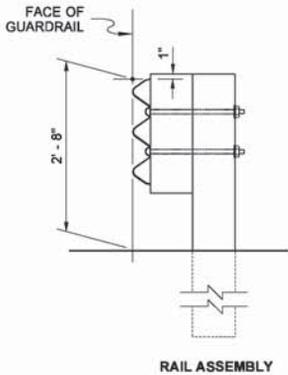
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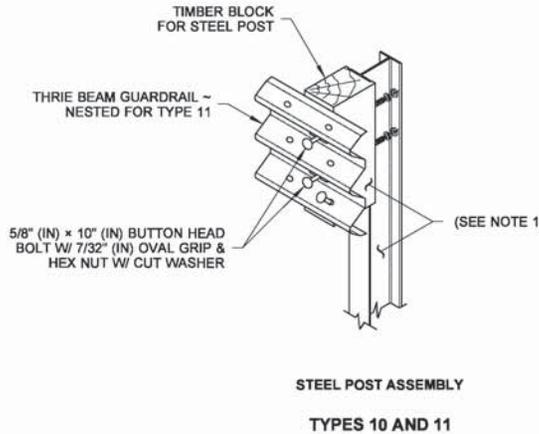
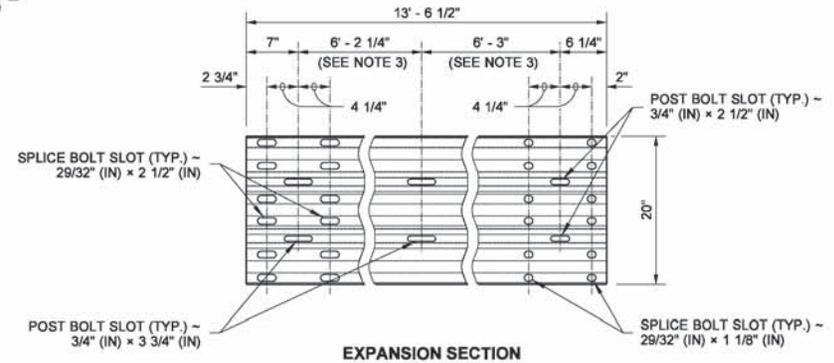
TYPICAL RAIL ELEMENT



TYPE 10



TYPE 11



NOTES

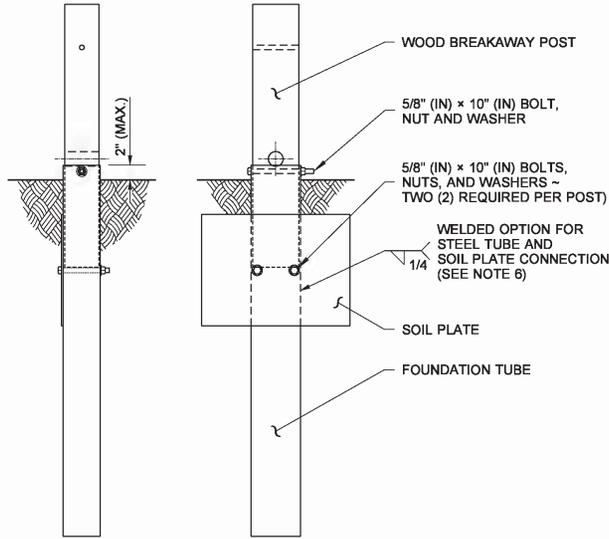
1. Type 10 post shall be 6 x 8 timber, OR either W6 x 9, or W6 x 8.5 steel. Type 11 post shall be 10 x 10 timber or W6 x 15. For additional details see **Standard Plan C-1b**.
2. Type 10 guardrail post spacing shall be 6' - 3" on center. Type 11 shall be a maximum of 3' - 1 1/2" on center.
3. Spacing may vary depending on application. See **Standard Specification Section 9-16.3(1)** for rail element requirements.



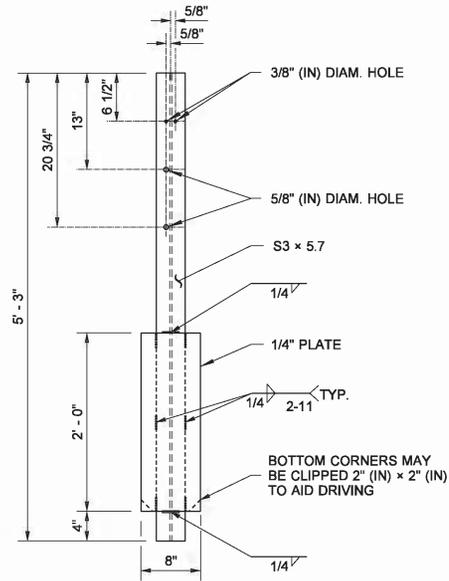
Barry, Ed
Jul 14 2015 7:07 AM
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BEAM GUARDRAIL (THRIE BEAM)
STANDARD PLAN C-1a
SHEET 1 OF 1 SHEET

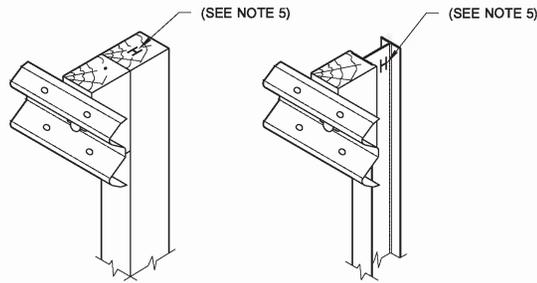
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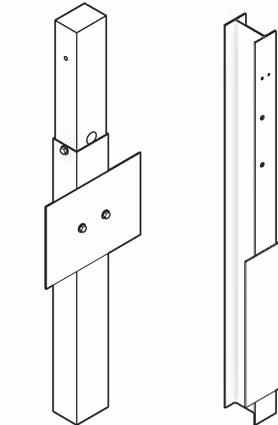
FRONT VIEW
SIDE VIEW
ANCHOR POST ASSEMBLY



G-2 POST



TIMBER POST
STEEL POST
PARTIAL ASSEMBLY DETAIL



ANCHOR POST
G-2 POST
ISOMETRIC

NOTES

1. Wood posts for all guardrail placement plans shall be 6 x 8 except where noted otherwise.
2. Lower hole is for Rub Rail of Type 2 and Type 3 Beam Guardrail.
3. W6x8.5 or W6x9 steel posts and timber blocks are alternates for 6x8 timber posts and blocks. W6x15 steel posts and timber blocks are alternates for 10x10 timber posts and blocks.
4. Holes shall be located on approaching traffic side of web.
5. When "Beam Guardrail Type - __ Ft. Long Post" is specified in the Contract, the post length shall be stamped with numbers, 1 1/2" (in) min. high and 3/4" (in) wide at the location where the letter "H" is shown in the ASSEMBLY DETAIL. For wood post applications, the letter shall be stamped to a minimum depth of 1/4" (in). For steel post applications, the letter shall be legible after the post is galvanized. After post installation, it shall be the Contractor's responsibility to ensure the stamped numbers remain visible.
6. Soil plate may be welded to foundation tube. If so, holes in soil plate and foundation tube may be omitted.



Barry, Ed
Jul 14 2015 7:12 AM

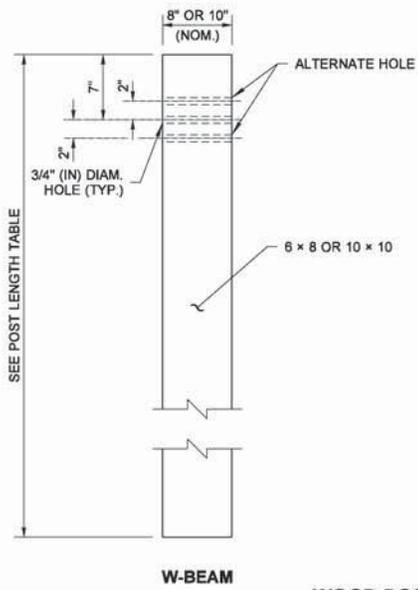
**BEAM GUARDRAIL
POSTS AND BLOCKS
STANDARD PLAN C-1b**

SHEET 1 OF 2 SHEETS

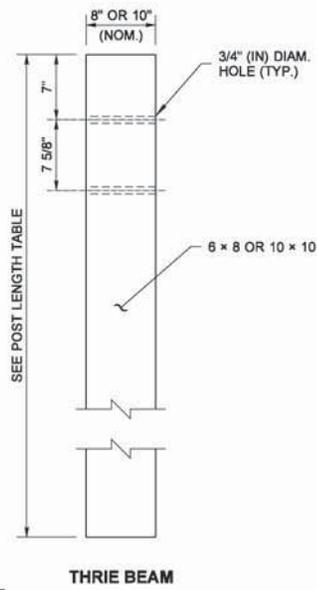
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Carpenter, Jeff
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STATE DESIGN ENGINEER

Washington State Department of Transportation

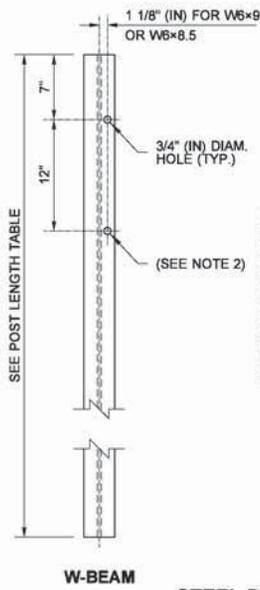
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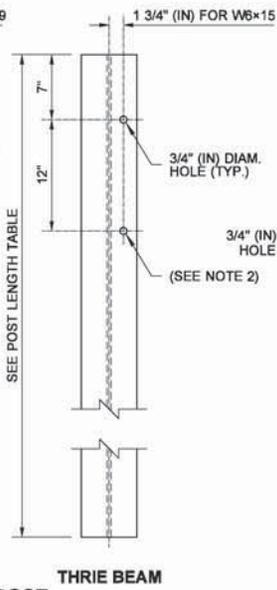
WOOD POST



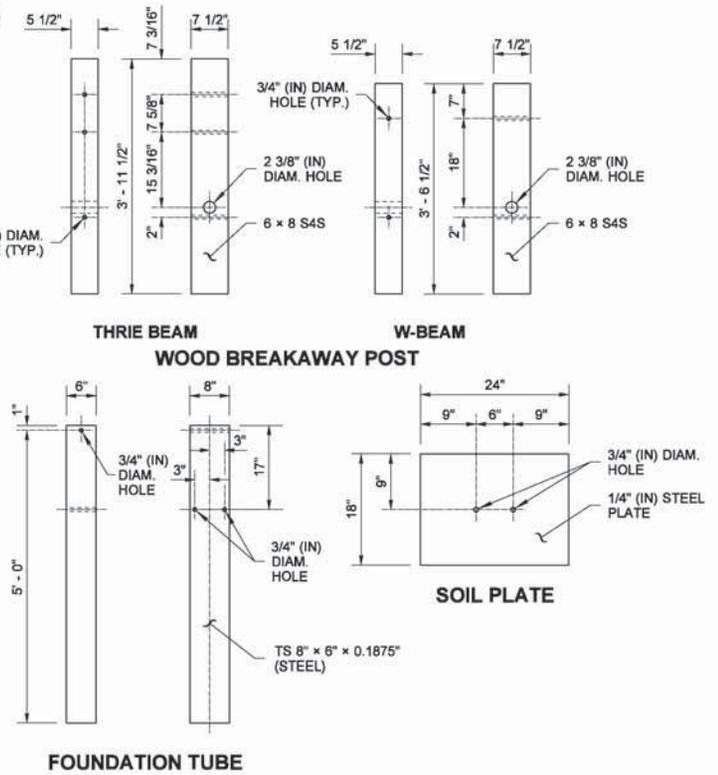
THRIE BEAM



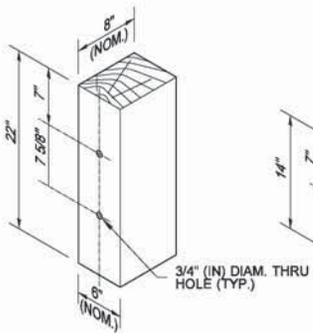
STEEL POST
(SEE NOTES 3 AND 4)



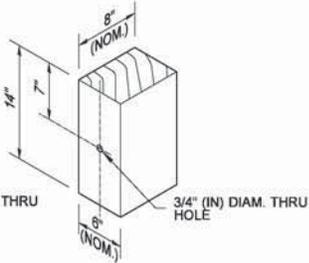
THRIE BEAM



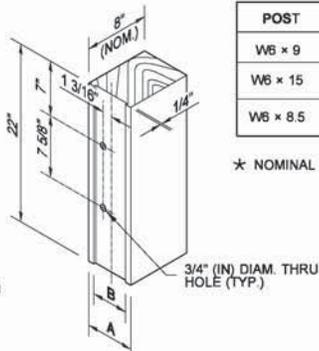
POST LENGTH TABLE	
GUARDRAIL TYPE	LENGTH
1 through 4 & 31	6' - 0"
10 or 11	6' - 6"



THRIE BEAM WOOD BLOCK FOR WOOD POST



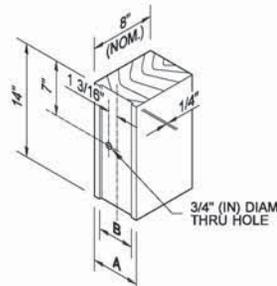
W-BEAM WOOD BLOCK FOR WOOD POST



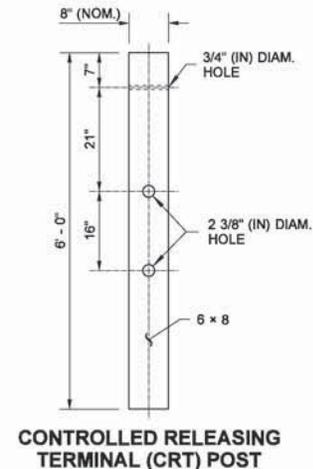
THRIE BEAM WOOD BLOCK FOR STEEL POST

POST	A	B
W6 x 9	6"*	4 1/4"
W6 x 15	8"*	6 1/4"
W6 x 8.5	8"*	6 1/4"

* NOMINAL (NOM.)



W-BEAM WOOD BLOCK FOR STEEL POST



CONTROLLED RELEASING TERMINAL (CRT) POST



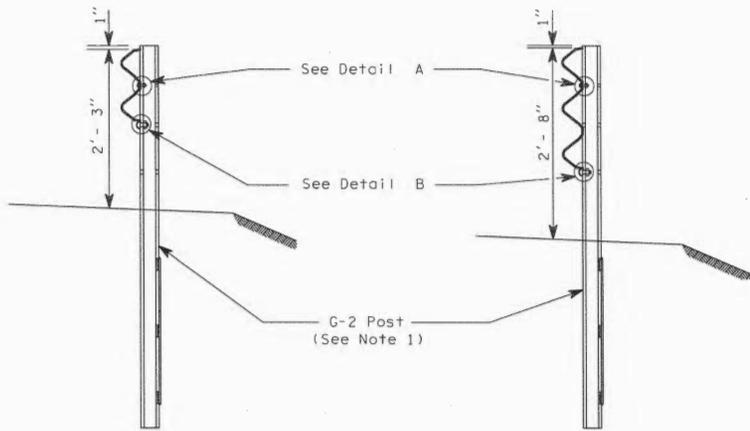
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Jul 14 2015 7:12 AM

BEAM GUARDRAIL POSTS AND BLOCKS
STANDARD PLAN C-1b

SHEET 2 OF 2 SHEETS

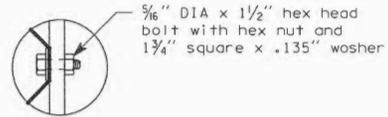
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Carpenter, Jeff
Jul 14 2015 11:29 AM



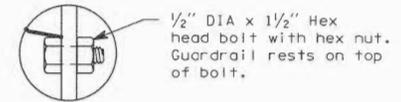


TYPE 20

TYPE 21



DETAIL A



DETAIL B

NOTES

1. For post details see Standard Plan, "Beam Guardrail Posts and Blocks".

BEAM GUARDRAIL

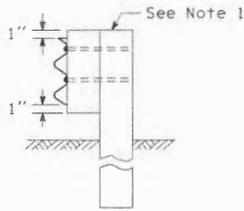


STANDARD PLAN C-1c

APPROVED FOR PUBLICATION

[Signature] 5/10/97
 STATE DESIGN ENGINEER DATE

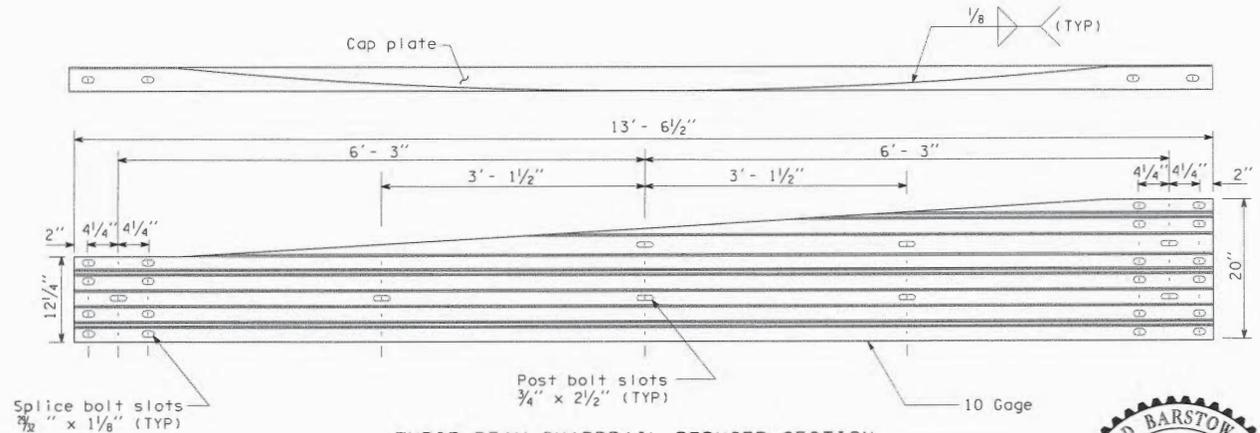
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 OLYMPIA, WASHINGTON



INTERMEDIATE GUARDRAIL
POST CONNECTION DETAILS
(Type A shown)

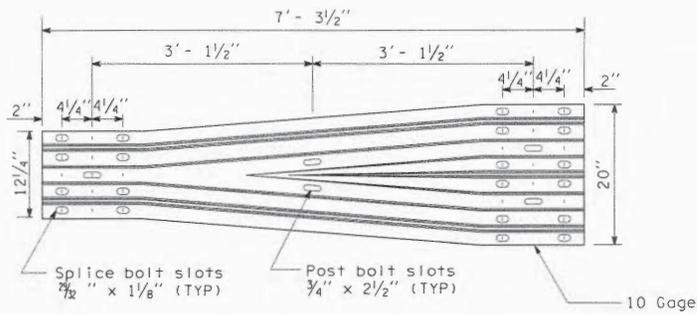
NOTES

- For wood posts, saw top of post and block to 1" above thrie beam guardrail reducer section. For steel posts, drive post down to 1" maximum above the thrie beam guardrail reducer section.



THRIE BEAM GUARDRAIL REDUCER SECTION
TYPE A

(Left section shown, right section reversed)



THRIE BEAM GUARDRAIL REDUCER SECTION
TYPE B



**THRIE BEAM GUARDRAIL
REDUCER SECTION
STANDARD PLAN C-1d**

SHEET 1 OF 1 SHEET

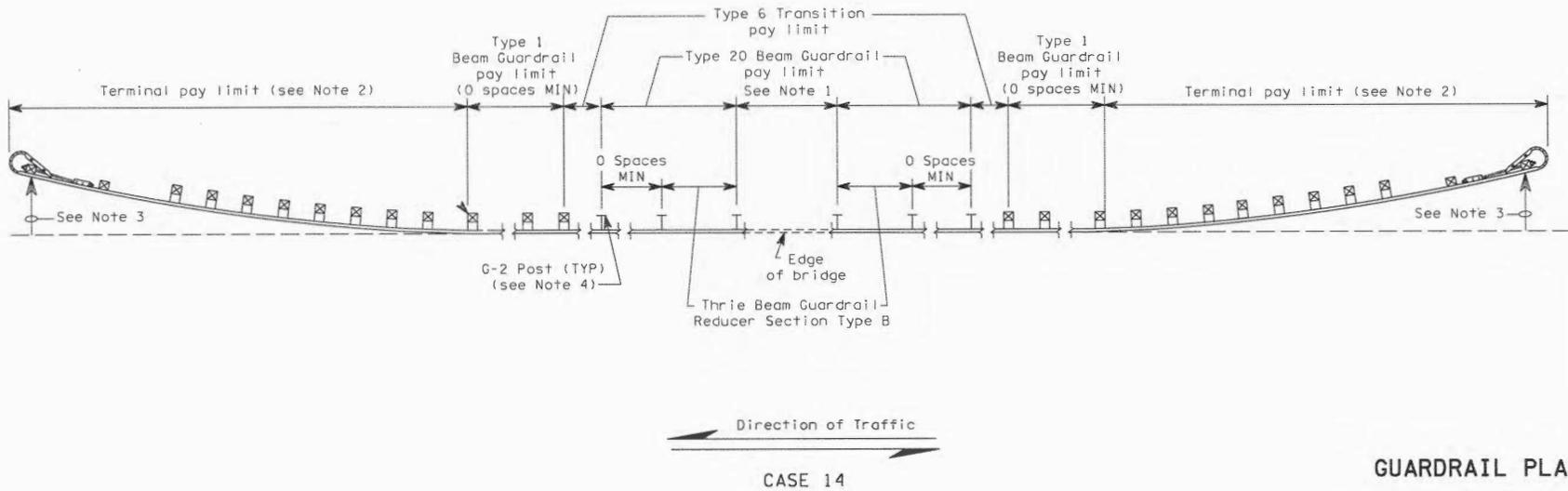
APPROVED FOR PUBLICATION

Richard Barstow 10.31.03
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation

09/2003	ADDED 10 GAGE STEEL DESIGNATION; REV. NOTE 1	RC
DATE	REVISION	BY

NOTES

1. For Service Level 1, Weak Post Bridge Rail System, see Contract.
2. SRT Terminal shown. For Terminal type and details, see Contract and applicable Standard Plan(s).
3. The slope from the edge of the shoulder into the face of the guardrail should not be steeper than 10:1.
4. See Standard Plan "Beam Guardrail Posts and Blocks".



GUARDRAIL PLACEMENT

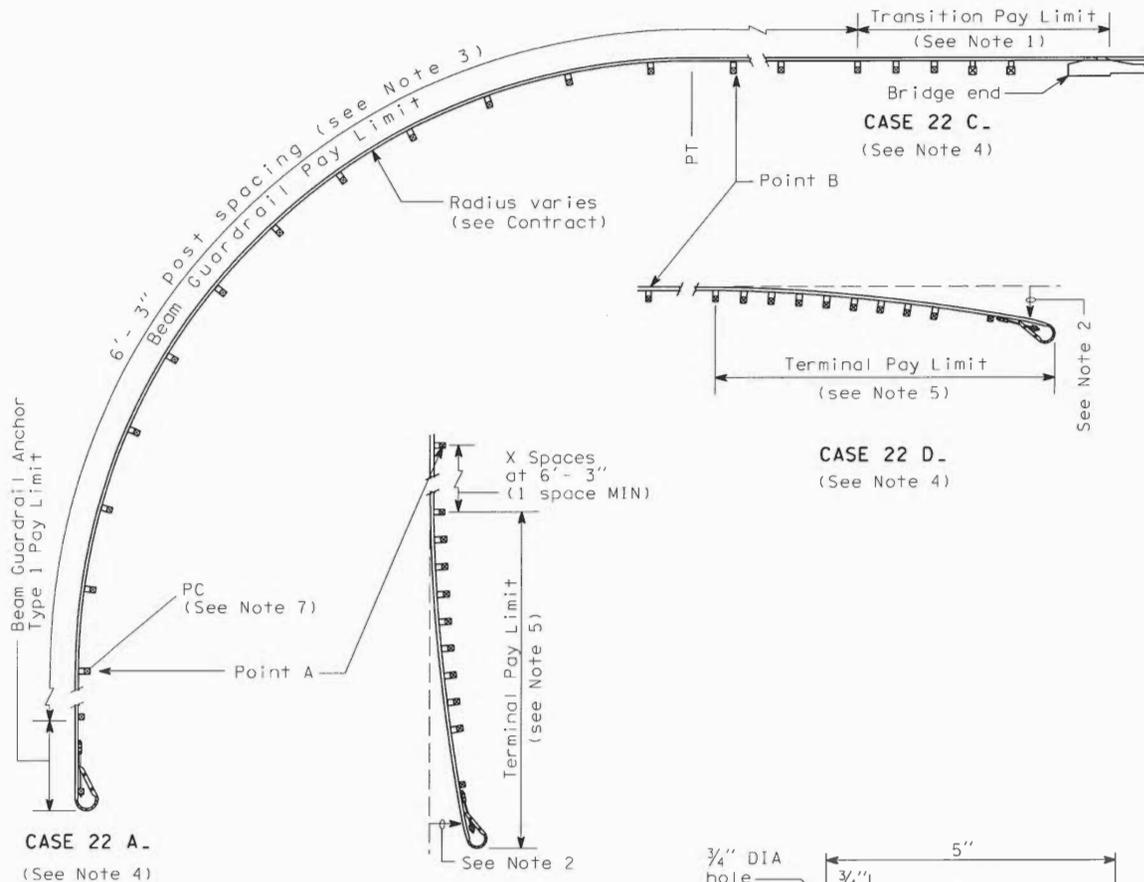


STANDARD PLAN C-2h

APPROVED FOR PUBLICATION

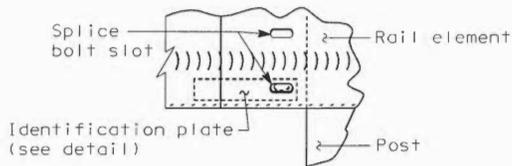
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WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 OLYMPIA, WASHINGTON

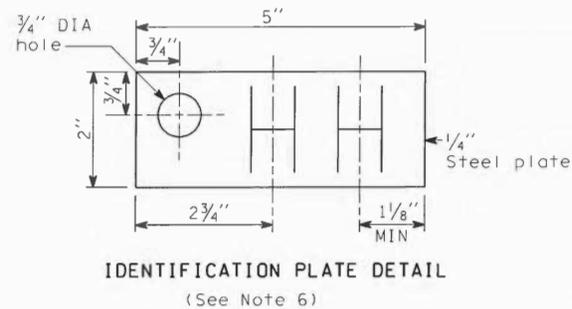


CASE 22 A.
(See Note 4)

CASE 22 B.
(See Note 4)



IDENTIFICATION PLATE MOUNTING DETAIL
(See Note 7)



NOTES

1. See Contract for transition and connection type.
2. The slope from the edge of the shoulder into the face of the guardrail should not be steeper than 10:1.
3. Guardrail installation shall be Beam Guardrail Type 1 with standard post and block.
4. First letter of case designation indicates end treatment on side road. Second letter indicates end treatment on main road. For instance a terminal on the side road and a bridge connection on the main road would be Case 22 BC.
5. For terminal type and details, see Contract and applicable Standard Plan(s).
6. Radius dimensions shall be etched into plate replacing the letters "HH" shown on the Identification Plate Detail. Digits shall be 1/2" MIN height and 3/4" MAX width. Plate shall be galvanized after etching.
7. The guardrail Identification Plate shall be mounted at the lower splice bolt on the back side of the rail element at the PC of the guardrail radius.



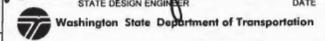
**GUARDRAIL PLACEMENT
STRONG POST
INTERSECTION DESIGN
STANDARD PLAN C-2p**

SHEET 1 OF 1 SHEET

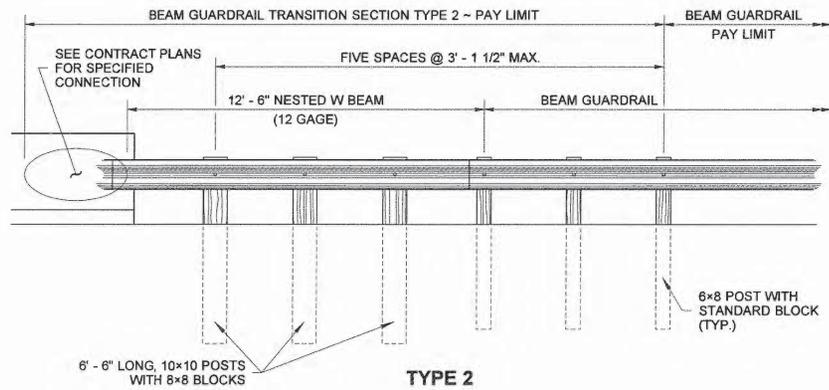
APPROVED FOR PUBLICATION

Handwritten Signature 10-31-03
STATE DESIGN ENGINEER DATE

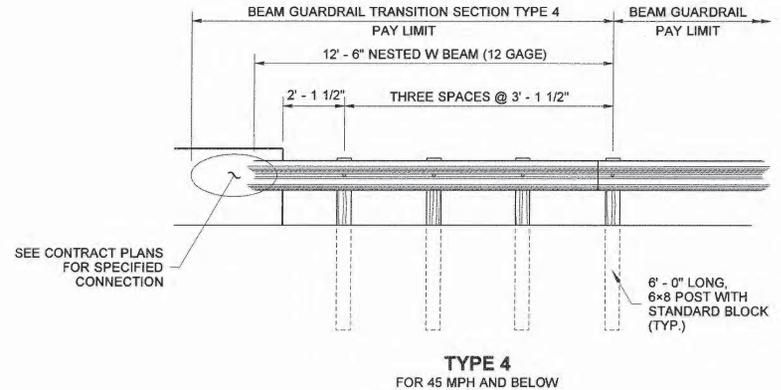
09/2003	CORRECTED REFERENCES TO NOTES.	MHG
DATE	REVISION	BY



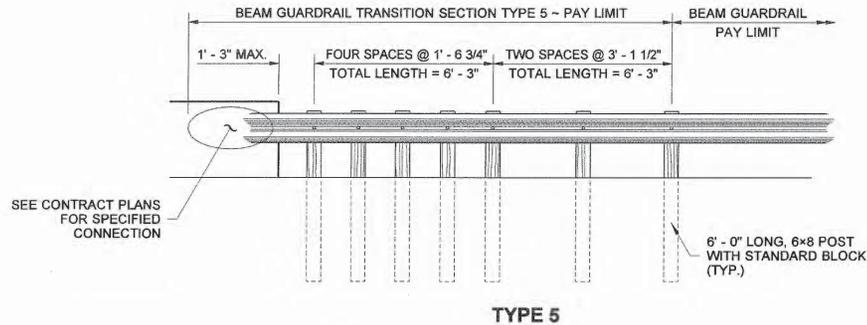
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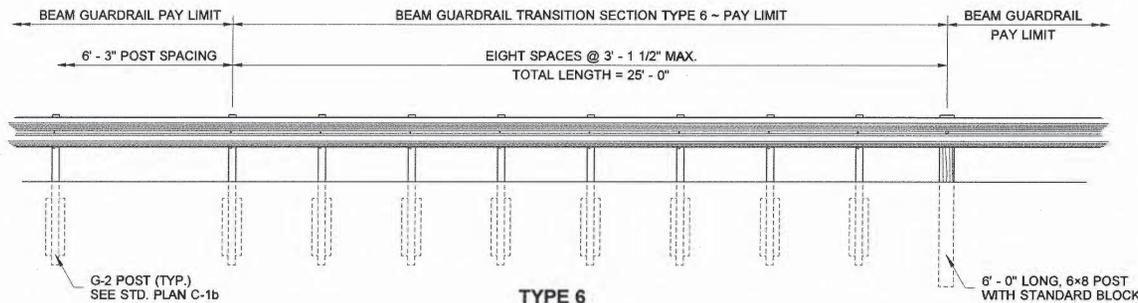
TYPE 2



TYPE 4
FOR 45 MPH AND BELOW



TYPE 5



TYPE 6

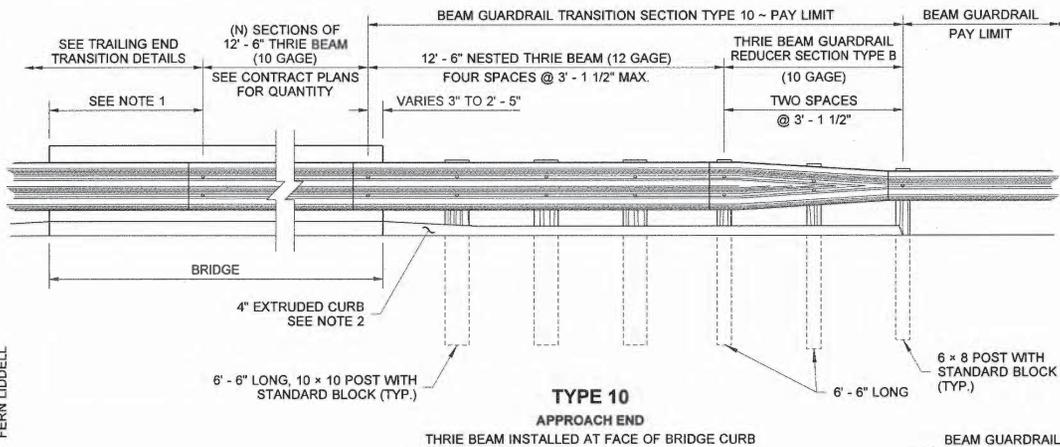


**BEAM GUARDRAIL
TRANSITION SECTIONS
STANDARD PLAN C-3a**

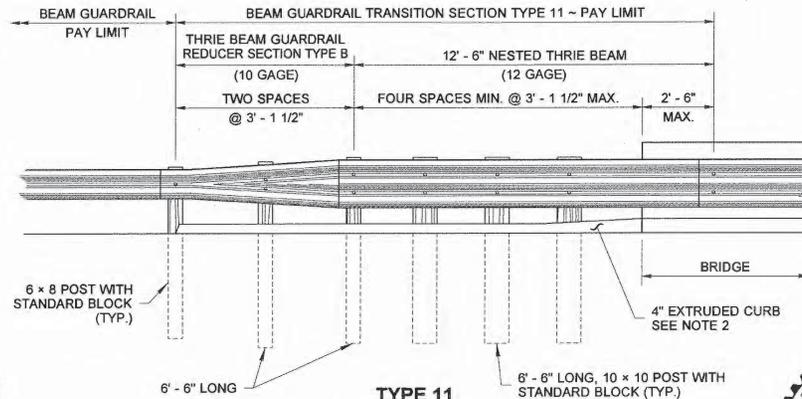
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Harold Peterson 10.4.05
 STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation

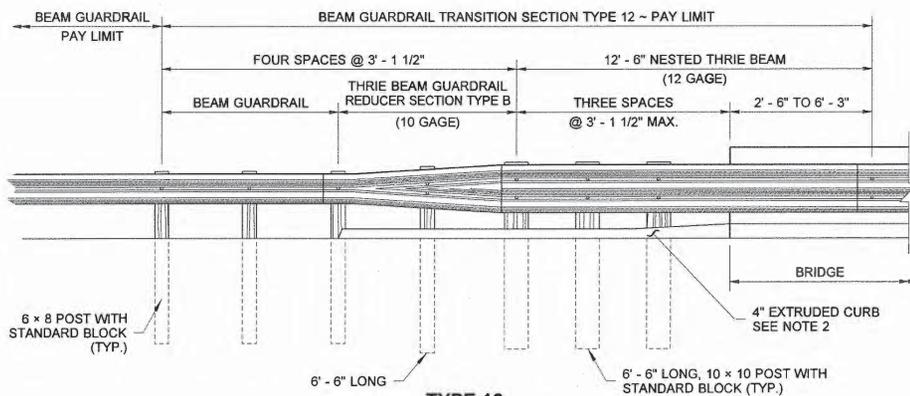
DRAWN BY: FERN LIDDELL



TYPE 10
APPROACH END
 THRIE BEAM INSTALLED AT FACE OF BRIDGE CURB



TYPE 11
TRAILING END
 THRIE BEAM INSTALLED AT FACE OF BRIDGE CURB



TYPE 12
TRAILING END
 THRIE BEAM INSTALLED AT FACE OF BRIDGE CURB

NOTES

1. If the distance from the end of the bridge to the end of the thrie beam bridge rail section exceeds 6' - 3" using 12' - 6" thrie beam sections, add a 6' - 3" section of thrie beam bridge rail to reduce the length to less than 6' - 3".
2. When thrie beam is installed at the face of the bridge curb, install Extruded Curb at face of Guardrail. See **Standard Plan F-10.40** for details. Match the height of existing bridge curb with a 20H : 1V transition.
3. When thrie beam is installed at the face of rigid bridge rail, an HMA ramp is required from the roadway surface to the top of the bridge curb or sidewalk. The slope of the ramp shall be 20H : 1V or flatter.



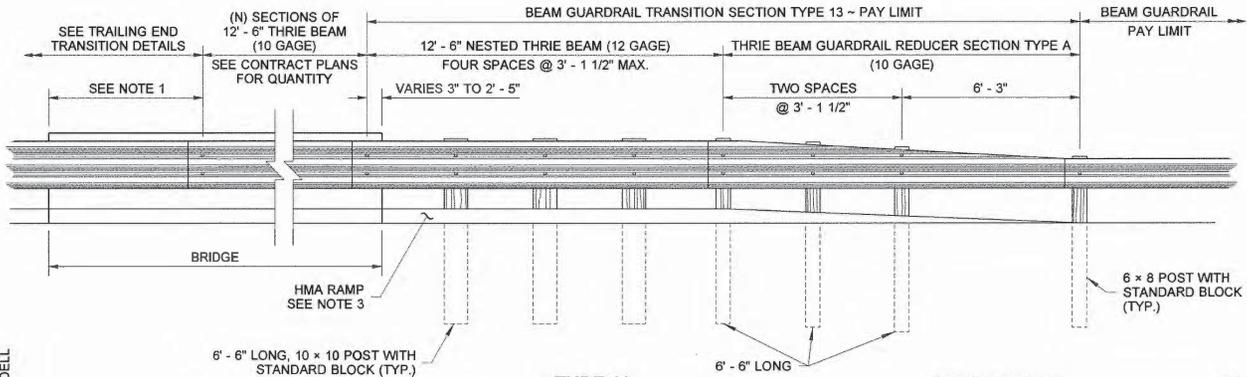
**BEAM GUARDRAIL
 TRANSITION SECTIONS
 STANDARD PLAN C-3b**

SHEET 1 OF 2 SHEETS

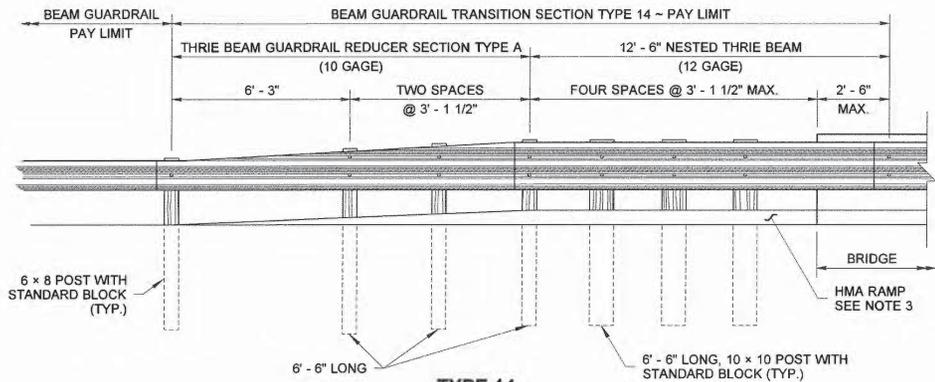
APPROVED FOR PUBLICATION

Paula B. [Signature] 6/22/11
 STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation

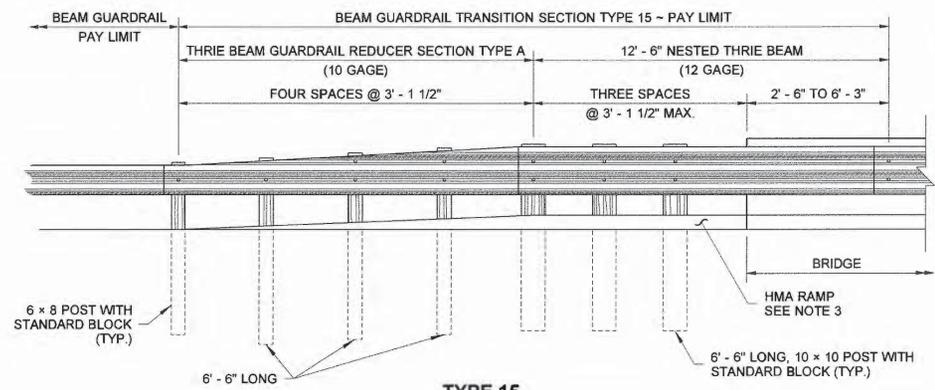
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TYPE 13
APPROACH END
 THRIE BEAM INSTALLED AT FACE OF BRIDGE RAIL



TYPE 14
TRAILING END
 THRIE BEAM INSTALLED AT FACE OF BRIDGE RAIL



TYPE 15
TRAILING END
 THRIE BEAM INSTALLED AT FACE OF BRIDGE RAIL



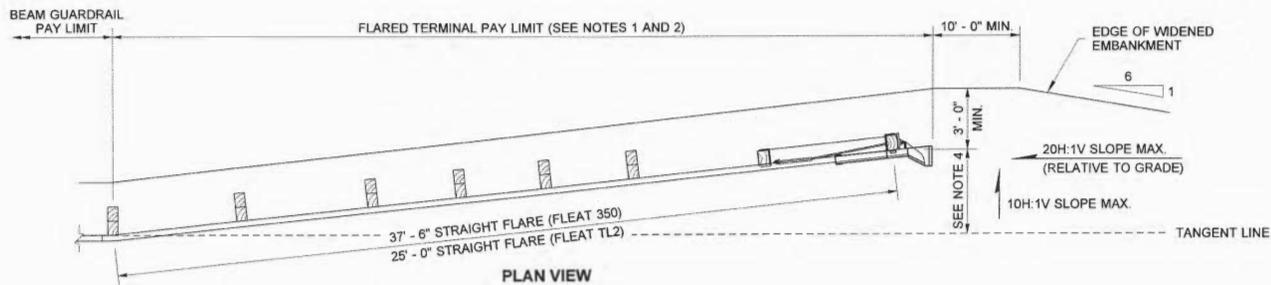
**BEAM GUARDRAIL
 TRANSITION SECTIONS
 STANDARD PLAN C-3b**

SHEET 2 OF 2 SHEETS

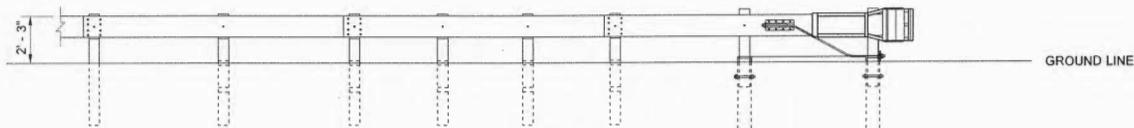
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Paco Buhler 6/22/11
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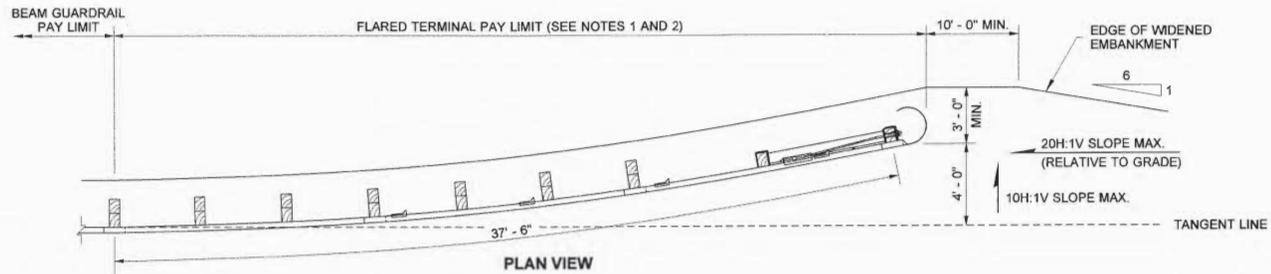
Washington State Department of Transportation



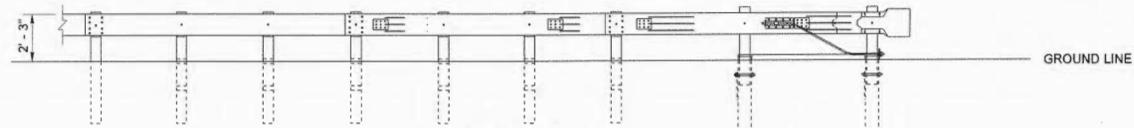
PLAN VIEW



ELEVATION VIEW
FLEAT OPTION



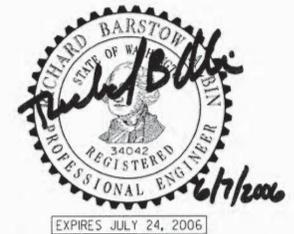
PLAN VIEW



ELEVATION VIEW
SRT OPTION

NOTES

1. Unless otherwise indicated in the contract, the SRT - 350 (12.5, 8 Post) as manufactured by Trinity Industries, Inc., or a FLEAT 350 as manufactured by Road Systems Inc., shall be installed per manufacturer's recommendations. If specified in the Contract, the FLEAT TL2 as manufactured by Road Systems, Inc. shall be installed per manufacturers recommendations.
2. Where terminal is placed on a curve, and post offsets would result in the rail encroaching onto the shoulder (e.g., the inside of a curve), the posts shall be installed so that the face of the rail is at the edge of the shoulder.
3. When snow load post washers and snow load rail washers are called for in the contract, the snow load rail washers must be omitted within the terminal limits.
4. Offset distances:
 FLEAT 350 4' - 0"
 FLEAT TL2 1' - 8" minimum



**BEAM GUARDRAIL
FLARED TERMINAL
STANDARD PLAN C-4b**

SHEET 1 OF 1 SHEET

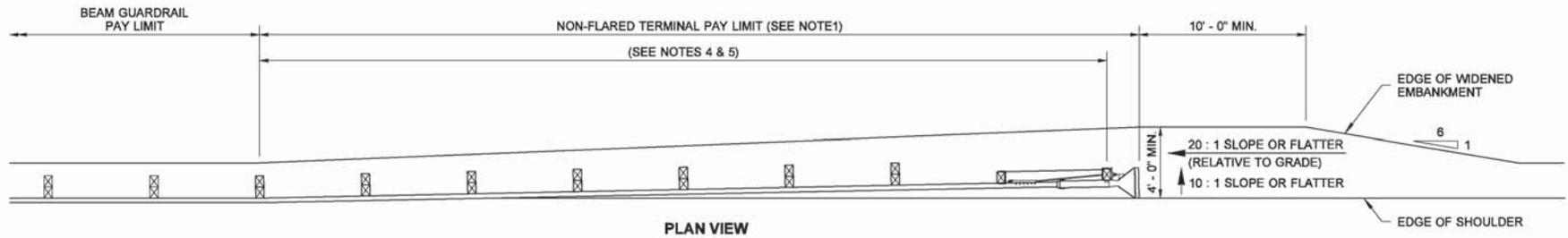
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David Peterson 6.8.06
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 Washington State Department of Transportation

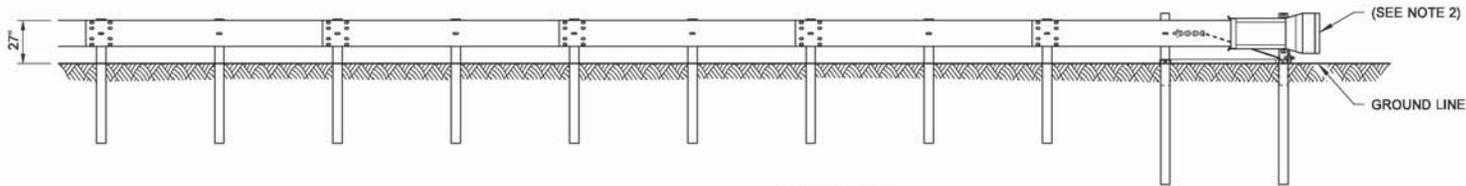
04/2006	Revised FLEAT Flare Lengths	AMC
DATE	REVISION	BY

NOTES

1. An SKT-350 as manufactured by Road Systems, Inc. shall be installed according to manufacturer's recommendations. When a TL2 terminal is specified in the Contract an SKT-TL2 as manufactured by Road Systems, Inc. shall be installed according to the manufacturer's recommendations.
2. A reflectorized object marker shall be installed according to manufacturer's recommendations.
3. When snow load post washers and snow load rail washers are required by the Contract, the snow load rail washers must not be installed within the terminal limits.
4. Terminal shall be installed at a taper, ensuring that end piece is entirely off shoulder.
5. Length for SKT-350 is 50' (ft). Length for SKT-TL2 is 25' (ft).



PLAN VIEW



ELEVATION VIEW



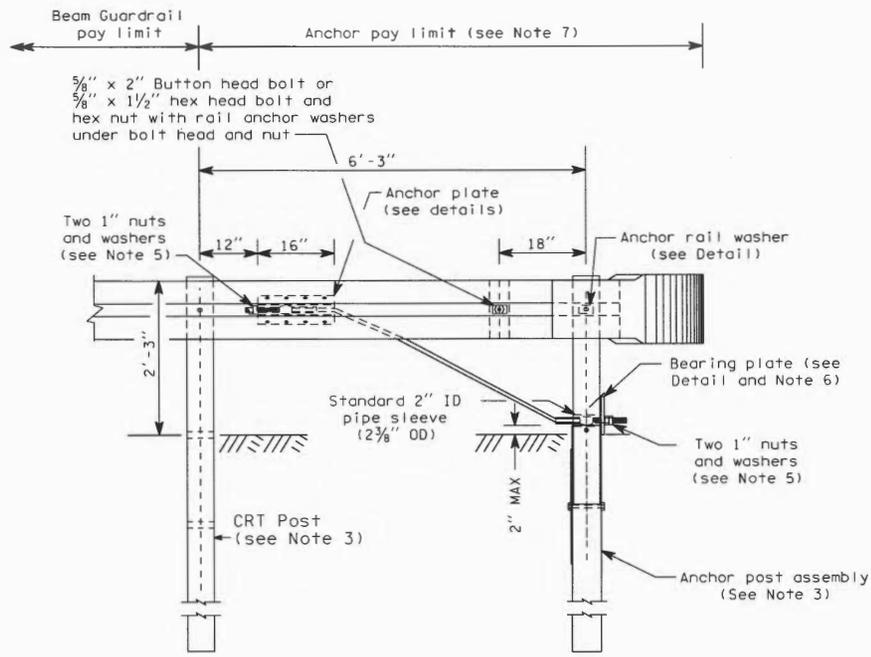
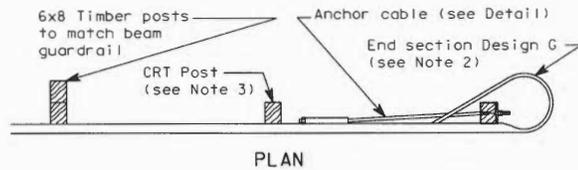
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Oct 23 2014 11:31 AM

**BEAM GUARDRAIL
NON-FLARED TERMINAL
STANDARD PLAN C-4e**

SHEET 1 OF 1 SHEET

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Oct 23 2014 12:09 PM
Pasco Bakotich
STATE DESIGN ENGINEER
Washington State Department of Transportation

10/20/14	REMOVED TRINITY NON-FLARED TERMINAL	CF
DATE	REVISION	BY



TYPE 1 ANCHOR

NOTES

1. Anchor plate may be constructed from 1/4" plates welded to equal strength and dimensions as shown.
2. For end section details see Standard Plan "Beam Guardrail End Sections".
3. For post details, see Standard Plan "Beam Guardrail Posts and Blocks".
4. Eight 5/8" x 1 1/2" machine bolts with hex nut and washer. Place washer on face side of rail.
5. Outside nut shall be torqued against inside nut a minimum of 100 ft-lbs.
6. Toenail bearing plate with 10d nail at corners to prevent turning.
7. Anchor pay limit does not apply when anchor is included in a Beam Guardrail Terminal.

BEAM GUARDRAIL ANCHOR
TYPE 1



STANDARD PLAN C-6

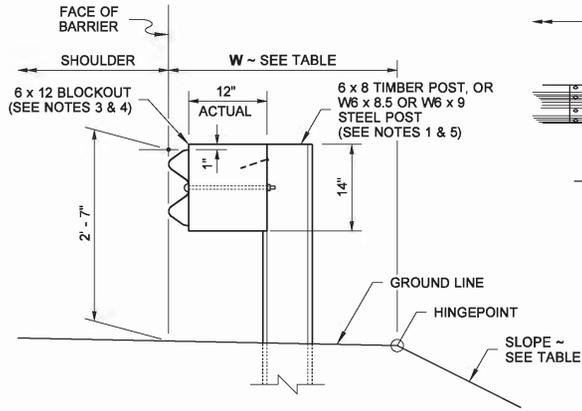
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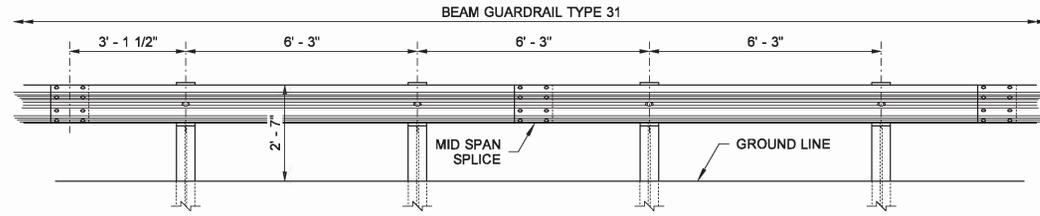
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON

Sheet 1 of 2 Sheets

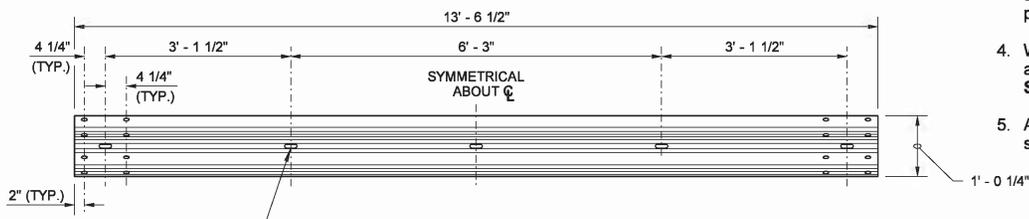
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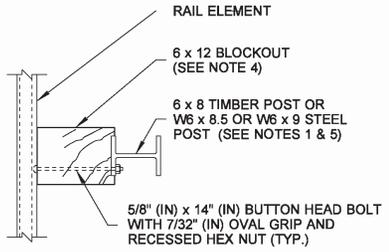
TYPICAL SECTION ~ WITHOUT CURB
(6'-0" LONG POSTS)



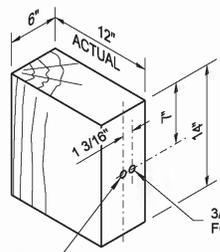
TYPICAL ELEVATION



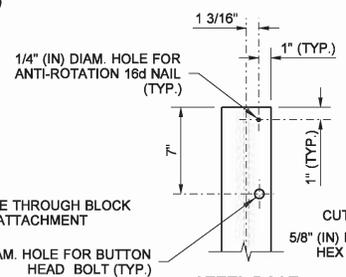
TYPICAL RAIL ELEMENT



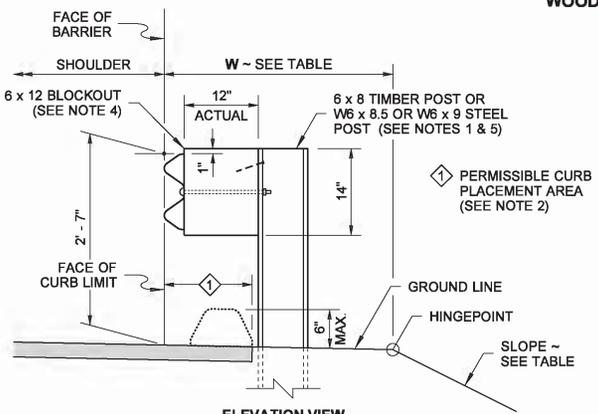
PLAN VIEW



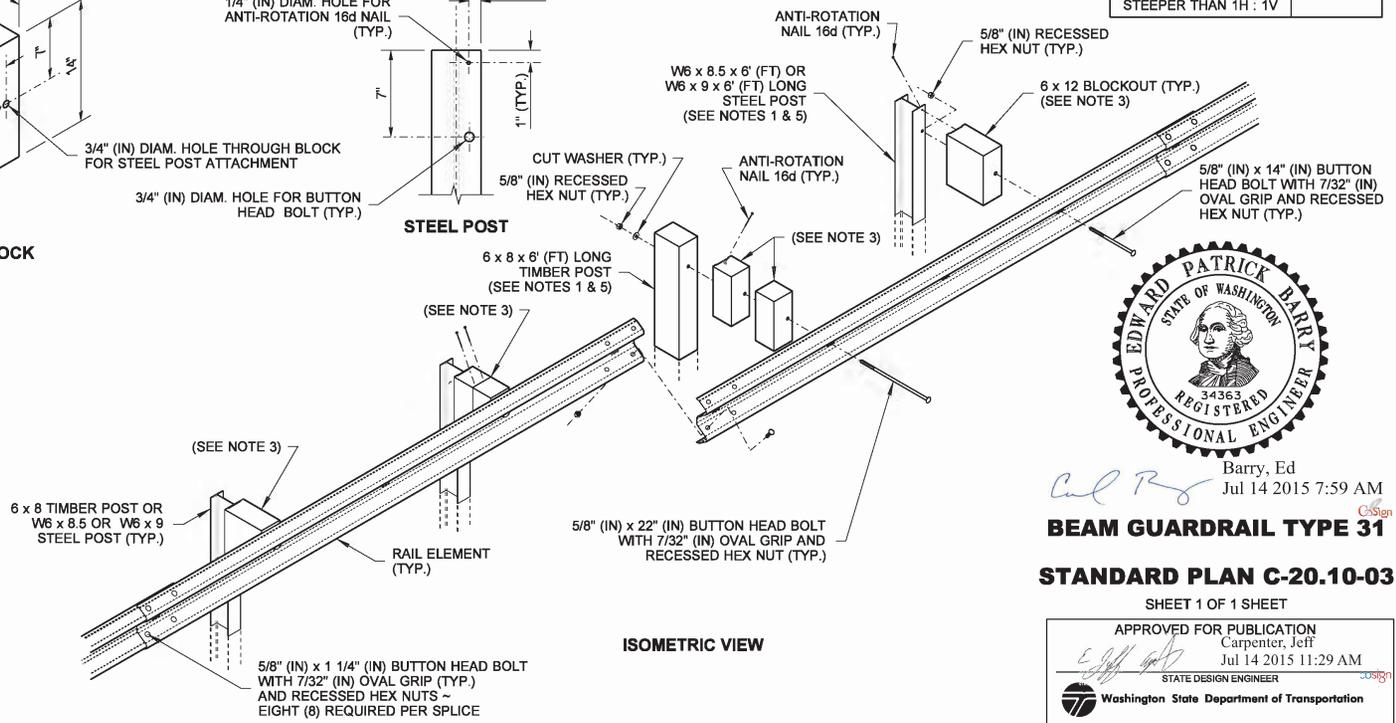
WOOD BLOCK



STEEL POST



ELEVATION VIEW
TYPICAL SECTION ~ WITH CURB
(6'-0" LONG POSTS)



ISOMETRIC VIEW

NOTES

1. Refer to **Standard Plans C-1 and C-1b** for additional details not shown on this plan.
2. Extend shoulder pavement to provide a base for the extruded curb. See Contract Plans for exceptions to distances shown.
3. Use a single block or combination of blocks (no more than two (2)) to achieve the actual 12" (in) offset. See **Standard Specification 9-16.3(2)**. Wood blocks shall be secured to the posts with anti-rotation nails. If combination blocks are used, the adjacent blocks shall be toenailed with two 16d galvanized nails to prevent block rotation.
4. Wood blocks are shown. Blocks of an approved alternative material may be used. See **Standard Specification 9-16.3(2)**.
5. All posts for any standard barrier run shall be of the same type: timber or steel.

SLOPE \ EMBANKMENT TABLE	
SLOPE	W (FT)
2H : 1V OR FLATTER	2.5' MIN.
STEEPER THAN 2H : 1V BUT NOT STEEPER THAN 1H : 1V	4.0' MIN.



Barry, Ed
Jul 14 2015 7:59 AM
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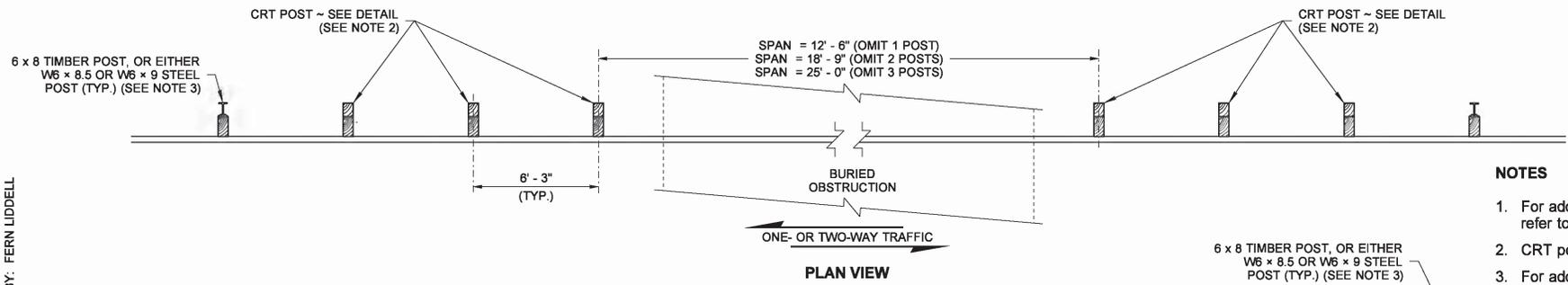
BEAM GUARDRAIL TYPE 31

STANDARD PLAN C-20.10-03

SHEET 1 OF 1 SHEET

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Carpenter, Jeff
Jul 14 2015 11:29 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

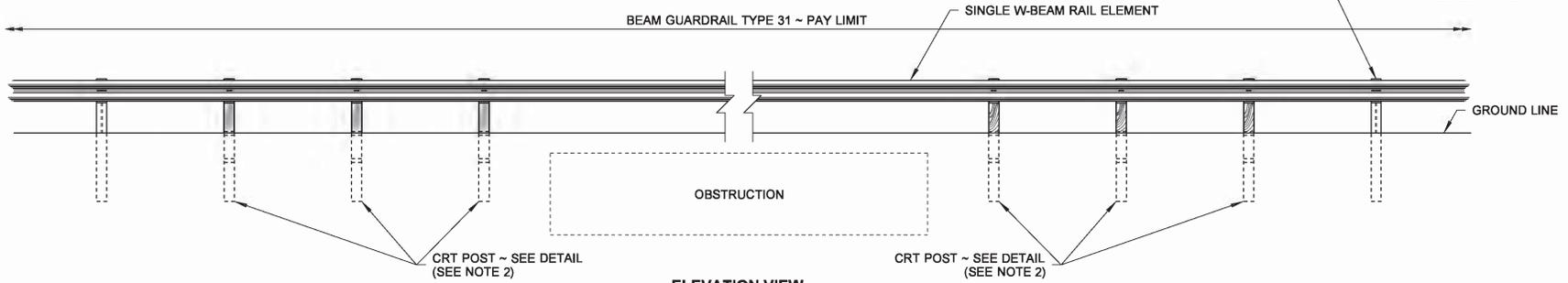
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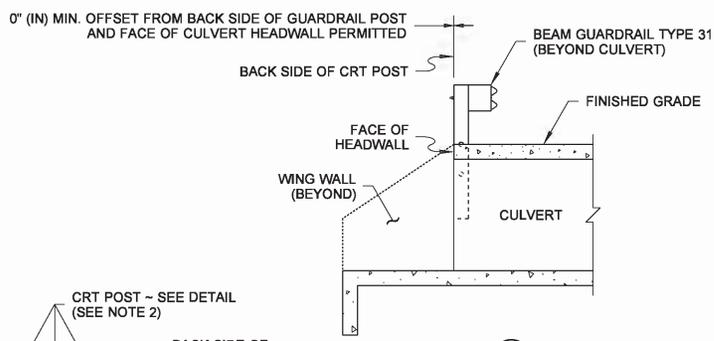
PLAN VIEW

NOTES

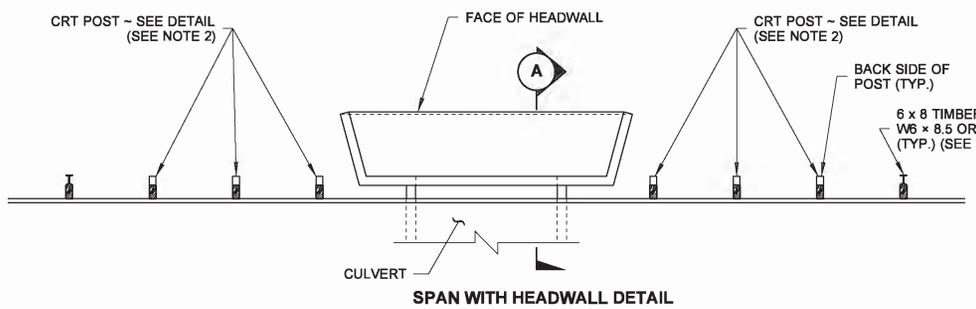
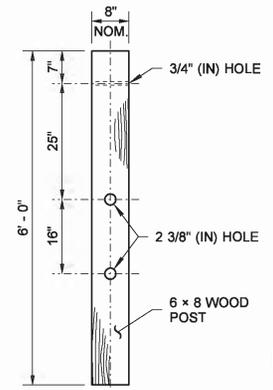
1. For additional details not shown on this plan, refer to **Standard Plan C-20.10**.
2. CRT post to be wood only.
3. For additional details not shown, see **Standard Plan C-1b**.



ELEVATION VIEW



SECTION A



SPAN WITH HEADWALL DETAIL



Barry, Ed
Jul 14 2015 7:36 AM

**BEAM GUARDRAIL TYPE 31
PLACEMENT 12' - 6", 18' - 9",
OR 25' - 0" SPAN
STANDARD PLAN C-20.40-05**

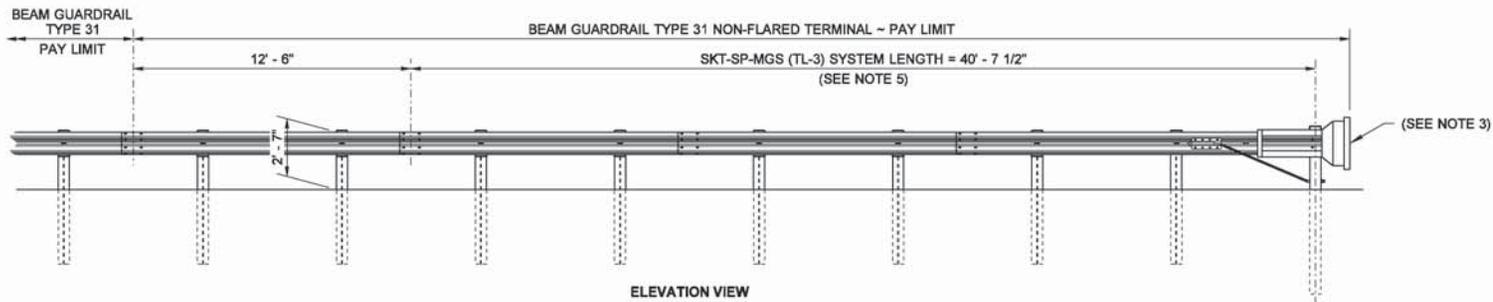
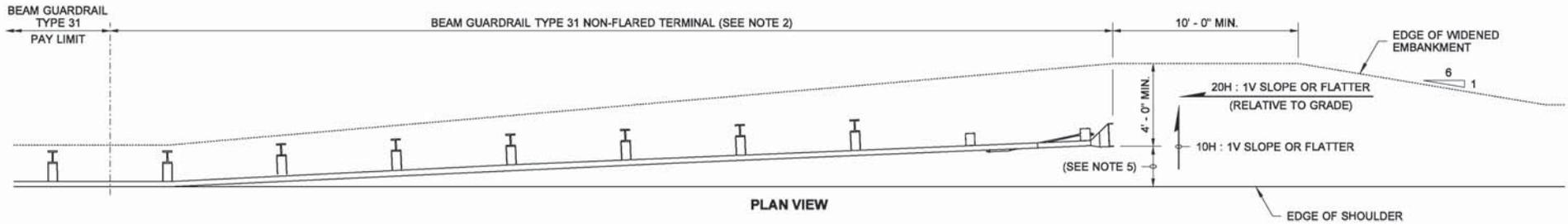
SHEET 1 OF 1 SHEET

**CONTROLLED RELEASING
TERMINAL (CRT) POST DETAIL**

APPROVED FOR PUBLICATION
Carpenter, Jeff
Jul 14 2015 11:28 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

NOTES

1. This terminal is FHWA accepted at Test Level Three (TL-3) and may be used for all posted speeds.
2. An SKT-SP-MGS (TL-3) as manufactured by Road Systems, Inc. shall be installed according to manufacturer's recommendations.
3. A reflectorized object marker shall be installed according to manufacturer's recommendations.
4. When snow load post washers and snow load rail washers are required by the Contract, the snow load rail washers shall not be installed within the terminal limits.
5. Terminal shall be installed at a widening, ensuring the end piece is entirely off the shoulder. While this terminal does not require an offset at the end, a flare is recommended. A maximum flare of 25 : 1 or flatter over the length of the terminal is allowed for the SKT-SP-MGS (TL-3), with a maximum offset of 24" (in) over 50' (ft).
6. For terminal details, see WSDOT approved manufacturer's drawings.



Carl P...
Barry, Ed
Oct 23 2014 11:34 AM

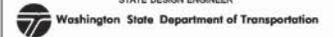
**BEAM GUARDRAIL TYPE 31
NON-FLARED TERMINAL STEEL
POSTS (ALL POSTED SPEEDS)
STANDARD PLAN C-22.40-04**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Paula By...
Bakotich, Pasco
Oct 23 2014 12:10 PM

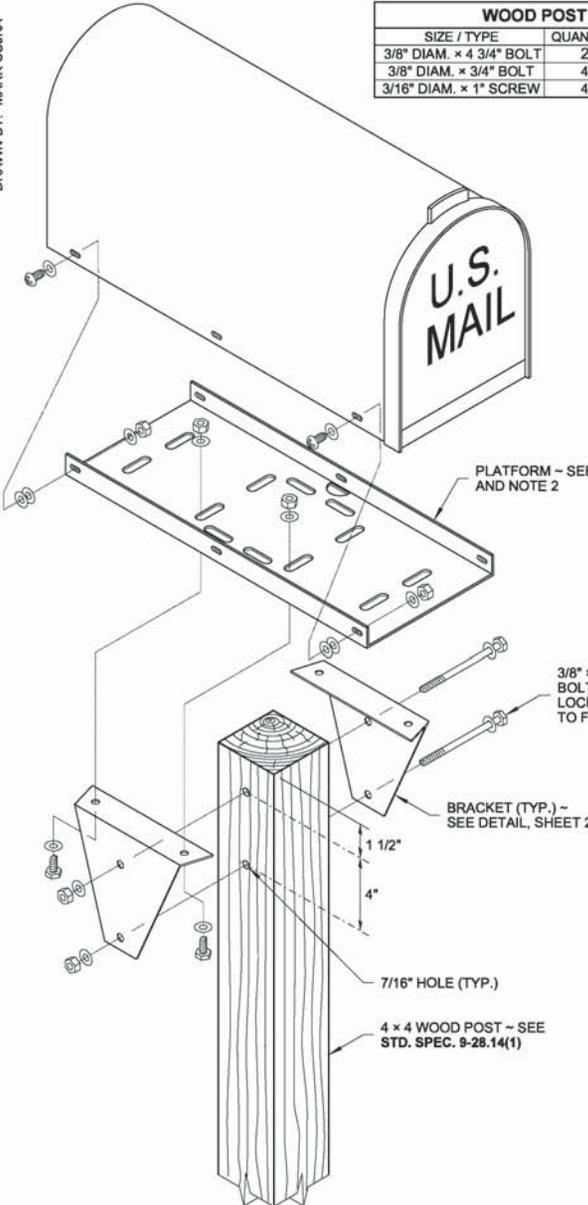
STATE DESIGN ENGINEER



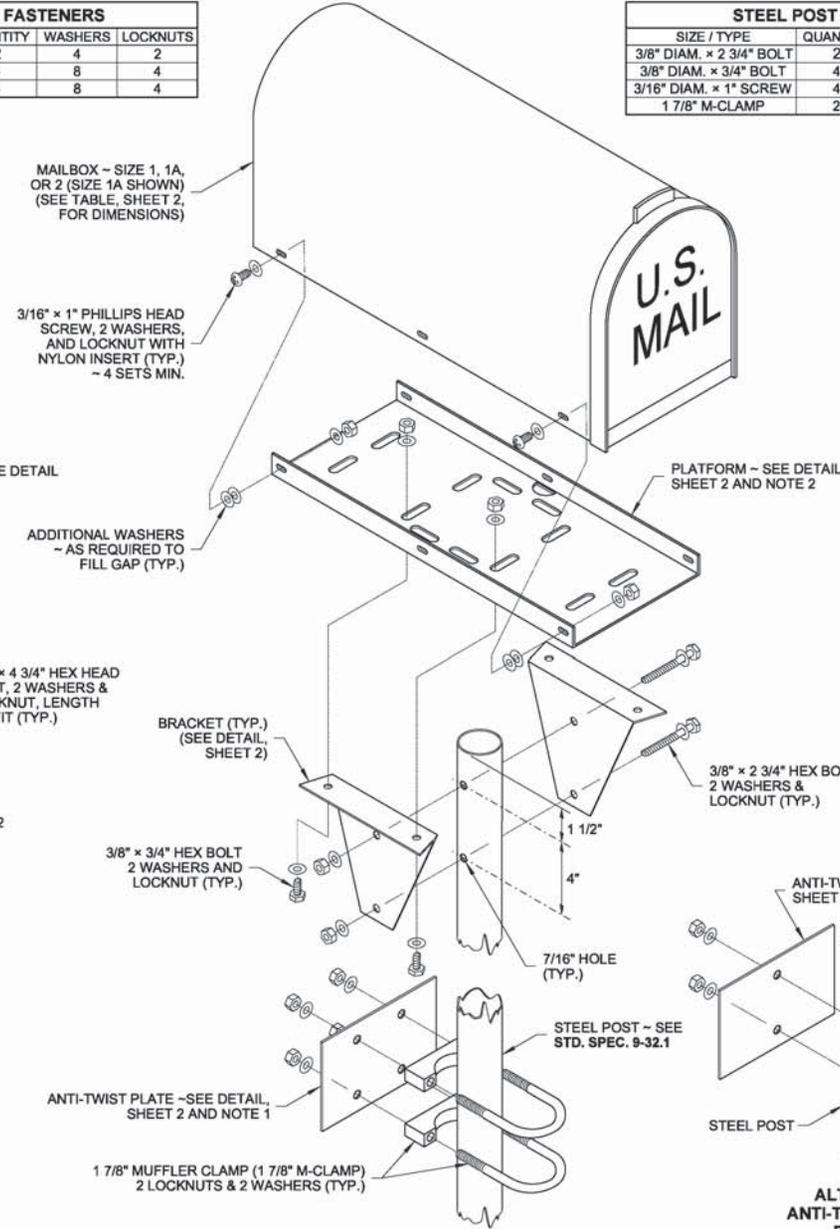
DRAWN BY: MARK SUJKA

WOOD POST FASTENERS			
SIZE / TYPE	QUANTITY	WASHERS	LOCKNUTS
3/8" DIAM. x 4 3/4" BOLT	2	4	2
3/8" DIAM. x 3/4" BOLT	4	8	4
3/16" DIAM. x 1" SCREW	4	8	4

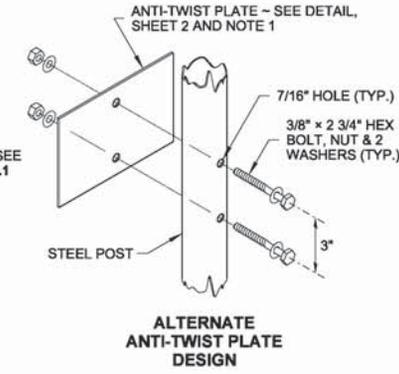
STEEL POST FASTENERS			
SIZE / TYPE	QUANTITY	WASHERS	LOCKNUTS
3/8" DIAM. x 2 3/4" BOLT	2	4	2
3/8" DIAM. x 3/4" BOLT	4	8	4
3/16" DIAM. x 1" SCREW	4	8	4
1 7/8" M-CLAMP	2	4	4



WOOD POST ASSEMBLY DETAIL
SEE STEEL POST ASSEMBLY DETAIL FOR SPECIFICATIONS NOT SHOWN



STEEL POST ASSEMBLY DETAIL



ALTERNATE ANTI-TWIST PLATE DESIGN

NOTES

1. A socket and wedge anchoring system that meets the NCHRP 350 crash test criteria may be substituted in lieu of the anti-twist plate designs shown. Anti-twist plates are not required for wood post installations.
2. The platform design shown on this plan features slots that accommodate several types of mailbox supports; only those slots necessary for assembling the type being installed are required. An adjustable platform may be used in lieu of this design, but it must fit the bracket design shown on this plan. Brackets are required for all single-post installations. Field drilling may be necessary.
3. Center the mailbox on the platform to ensure space for the mailbox door to open and to allow space for installing the fasteners (see ALIGNMENT DETAIL, Sheet 2). Spacing of mailbox mounting holes varies among manufacturers. Attachment of the mailbox to the platform may require drilling additional holes through the mailbox to fit the platform.
4. Attach a newspaper box to a steel post with two 1 7/8" Muffler Clamps spaced 4" apart. Field drill 7/16" holes in the newspaper box to fit. Use 2 1/2" x 1/4" lag bolts to attach newspaper boxes to wood posts. Newspaper boxes must not extend beyond the front of the mailbox when the mailbox door is closed.
5. A Type 2 Support (Standard Plan H-70.20) is required when 2 or more mailboxes are to be installed on one support.



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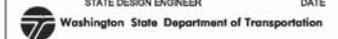
MAILBOX SUPPORT TYPE 1
STANDARD PLAN H-70.10-01

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

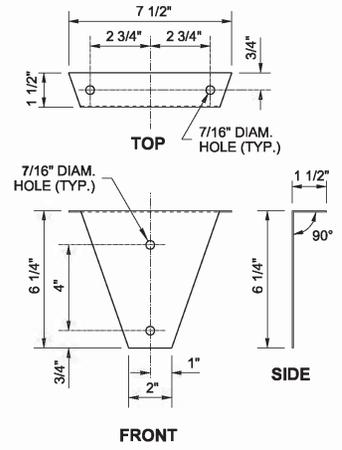
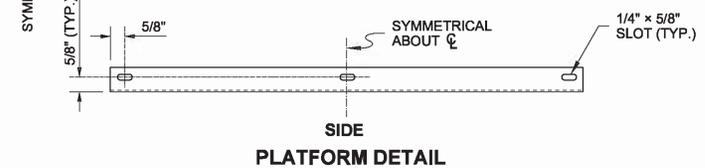
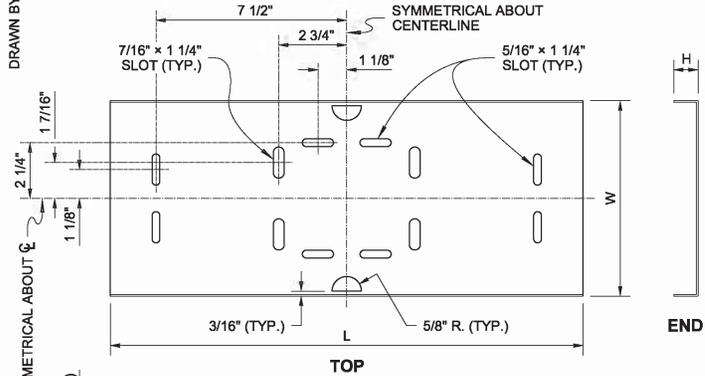
Pasco Bakotich III 02-07-12

STATE DESIGN ENGINEER DATE

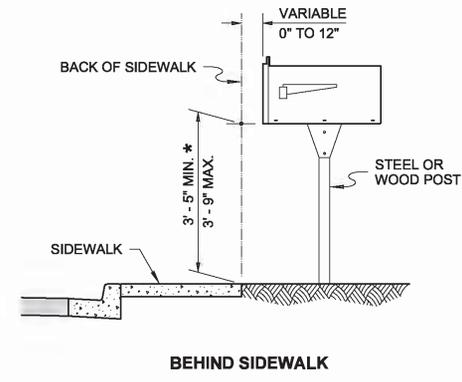
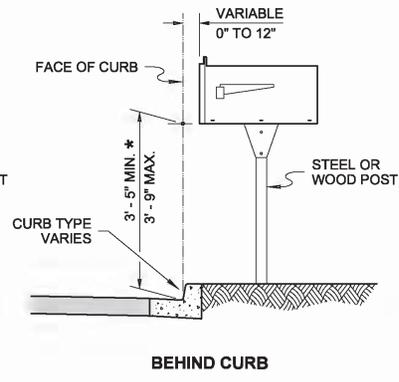
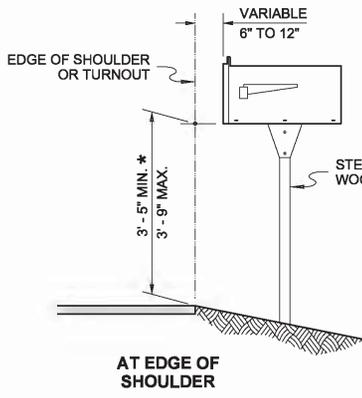
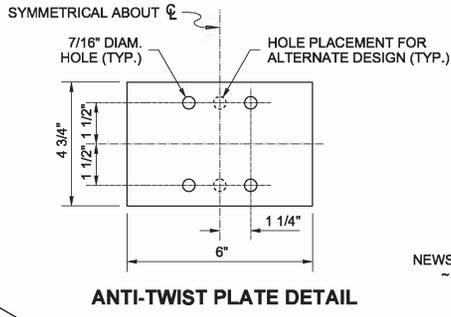
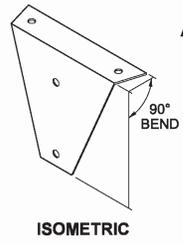


DRAWN BY: MARK SUJKA

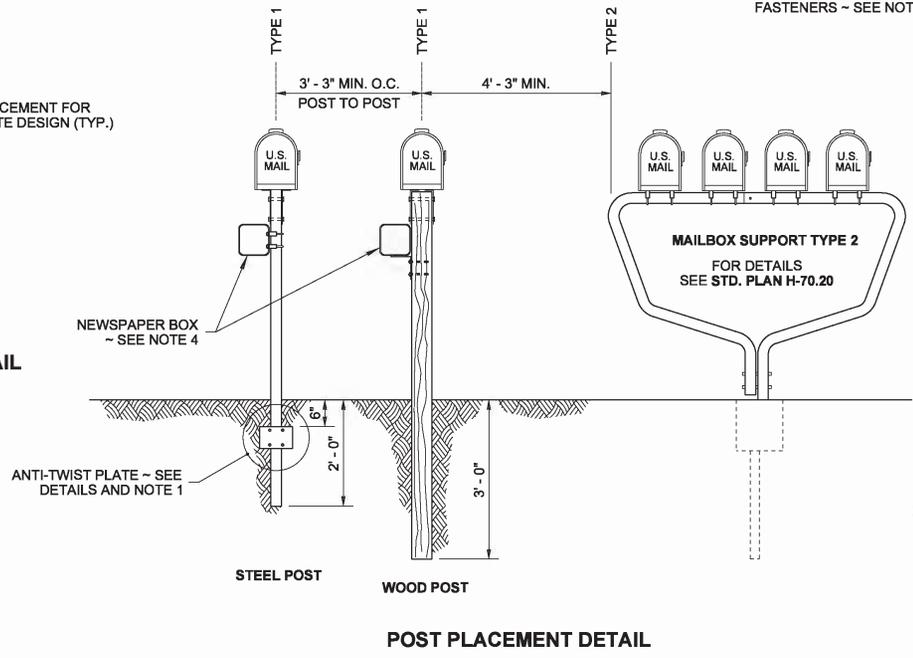
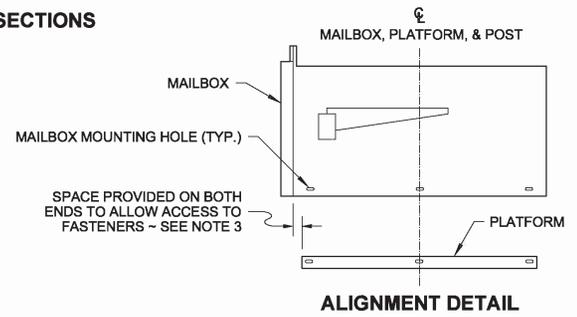
MAILBOX & PLATFORM DIMENSIONS						
SIZE	MAILBOX DIMENSIONS			PLATFORM DIMENSIONS		
	L	W	H	L	W	H
1	19"	6 1/2"	8 1/2"	17"	6"	1"
1A	21"	8"	10 1/2"	19"	7 1/2"	1"
2	24"	11 1/2"	13 1/2"	21"	11"	1"



BRACKET DETAIL



* UNLESS OTHERWISE SHOWN IN THE PLANS
 MAILBOX PLACEMENT SECTIONS

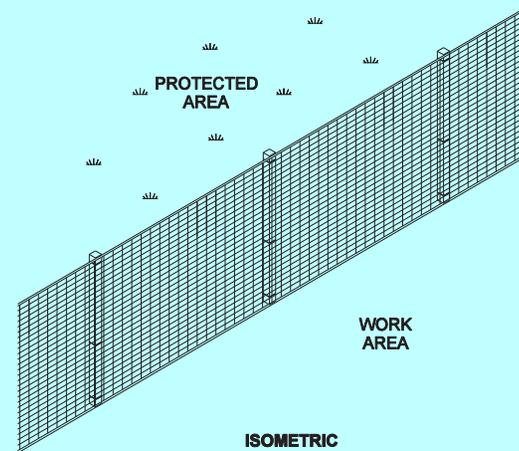
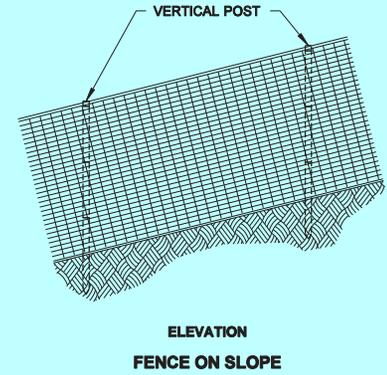
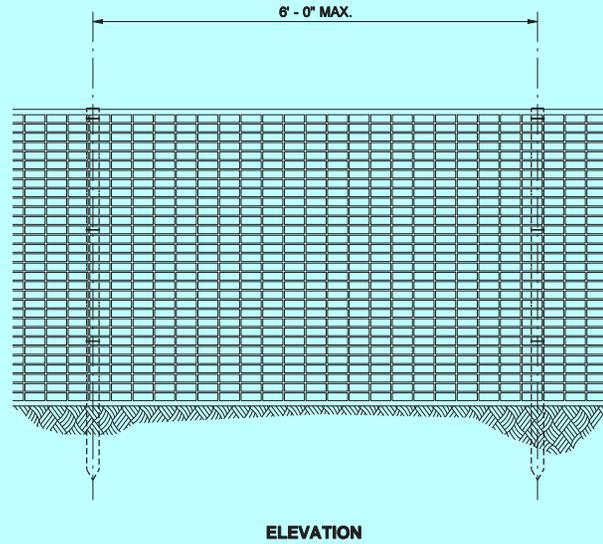
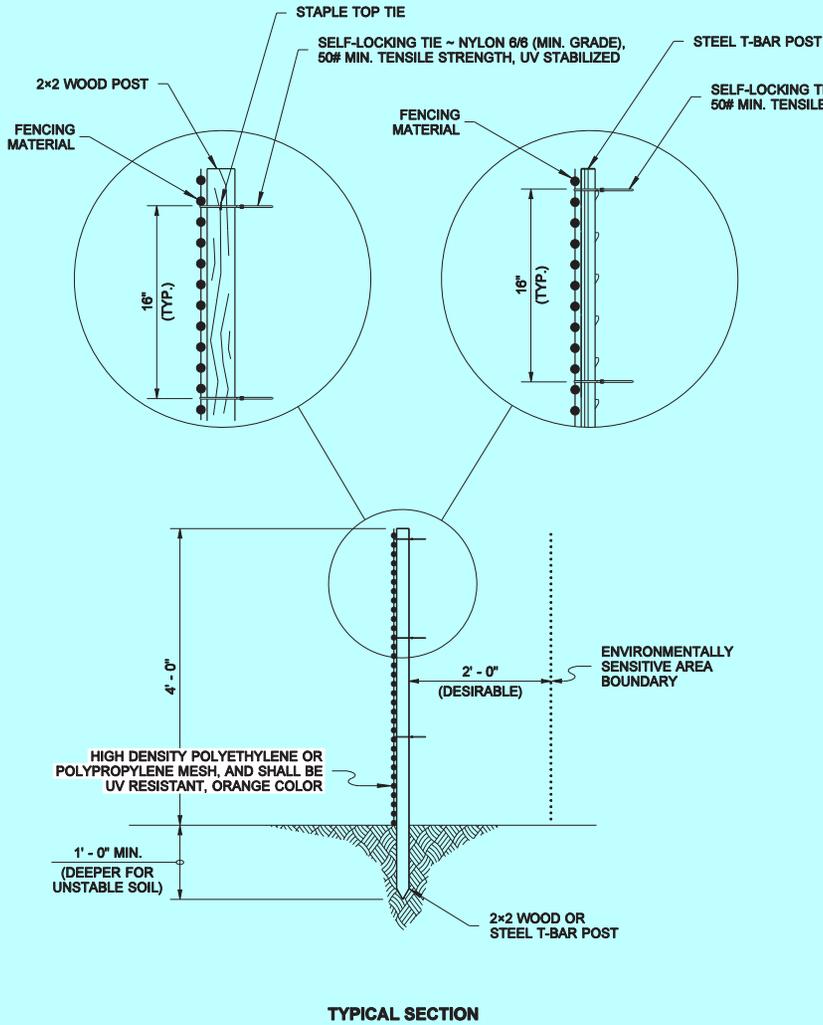


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MAILBOX SUPPORT TYPE 1
STANDARD PLAN H-70.10-01

SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION
Pasco Bakotich III 02-07-12
 STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation



NOTE

1. Post shall have sufficient strength and durability to support the fence through the life of the project.



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
MARK W. MAURER
CERTIFICATE NO. 000598

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HIGH VISIBILITY FENCE

STANDARD PLAN I-10.10-01

SHEET 1 OF 1 SHEET

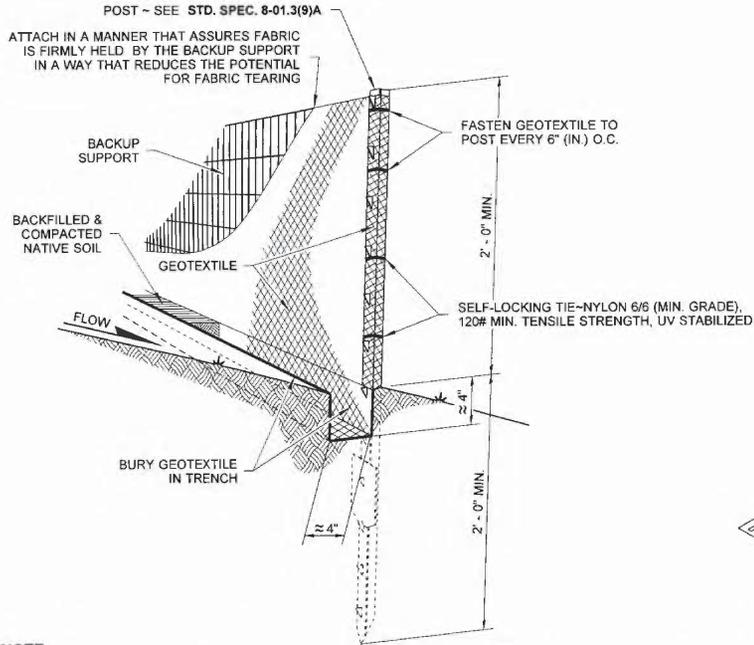
APPROVED FOR PUBLICATION

Pasco Bakotich III 08-11-09

STATE DESIGN ENGINEER DATE

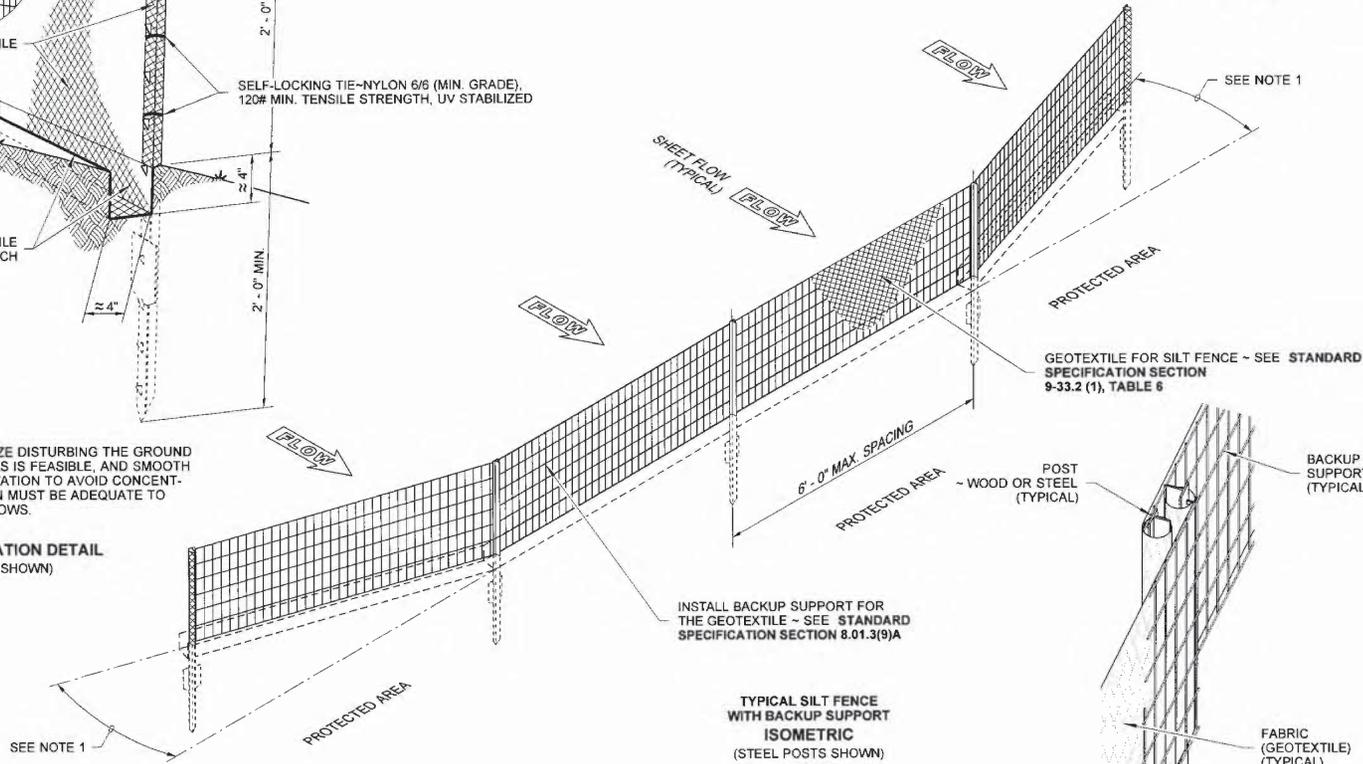


Washington State Department of Transportation



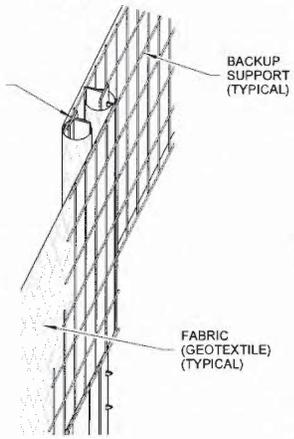
NOTE
 DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENTRATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.

TYPICAL INSTALLATION DETAIL
 (STEEL POSTS SHOWN)



INSTALL BACKUP SUPPORT FOR THE GEOTEXTILE - SEE STANDARD SPECIFICATION SECTION 8.01.3(9)A

TYPICAL SILT FENCE WITH BACKUP SUPPORT ISOMETRIC
 (STEEL POSTS SHOWN)



SPLICED FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP.

SPLICE DETAIL
 (STEEL POSTS SHOWN)

NOTES

1. Install the ends of the silt fence to point slightly upslope to prevent sediment from flowing around the ends of the fence.
2. Perform maintenance in accordance with **Standard Specifications 8-01.3(9)A and 8-01.3(15)**.
3. Splices shall never be placed in low spots or sump locations. If splices are located in low or sump areas, the fence may need to be reinstalled unless the Project Engineer approves the installation.
4. Install silt fencing parallel to mapped contour lines.

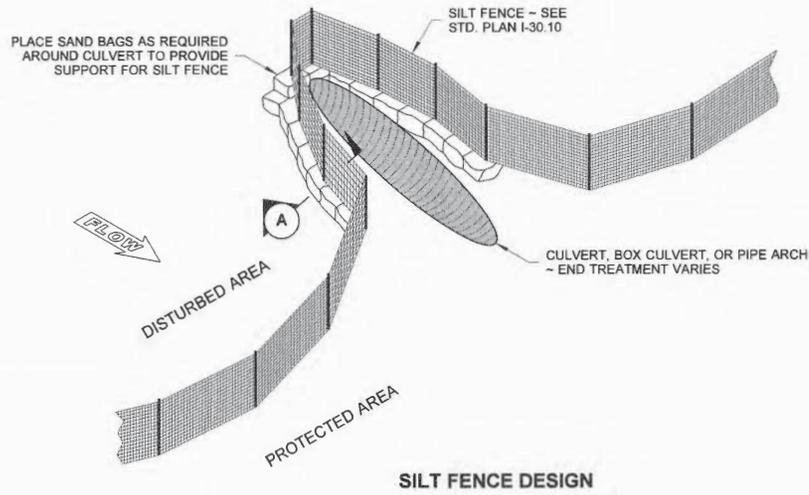
DRAWN BY: BILL BERENS

SILT FENCE WITH BACKUP SUPPORT
STANDARD PLAN I-30.10-02

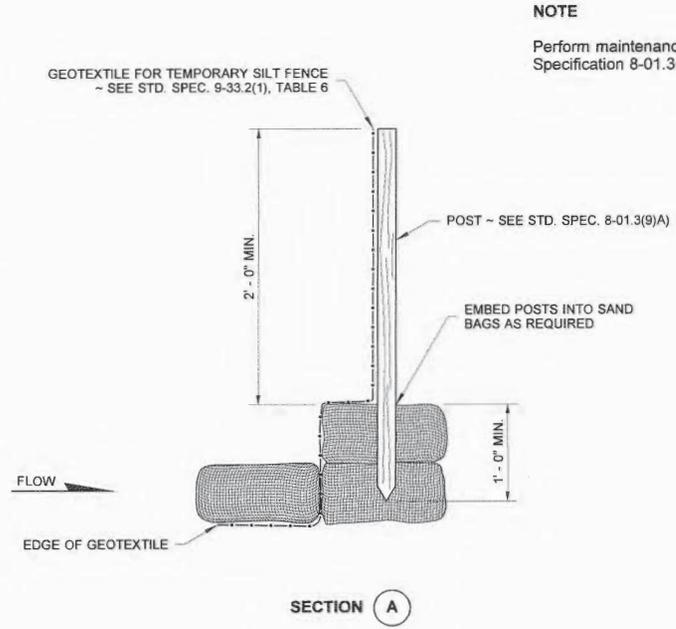
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

 STATE DESIGN ENGINEER DATE 3/22/13

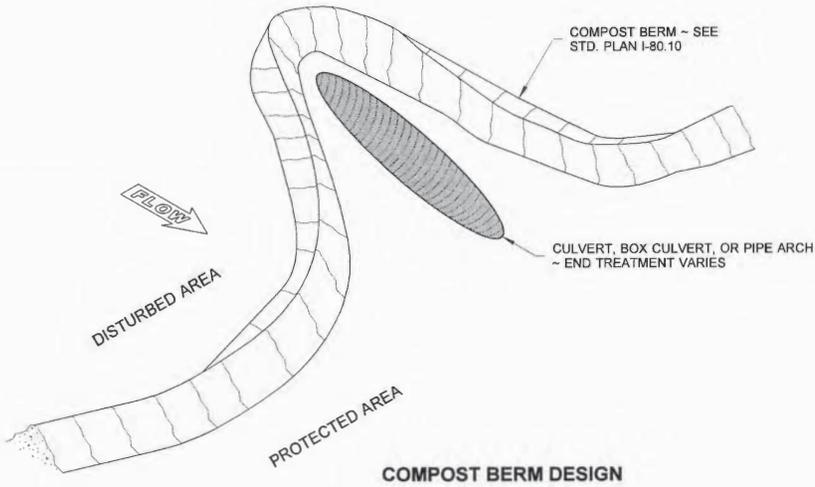


SILT FENCE DESIGN



SECTION A

NOTE
 Perform maintenance in accordance with Standard Specification 8-01.3(9)(A) and 8-01.3(15).



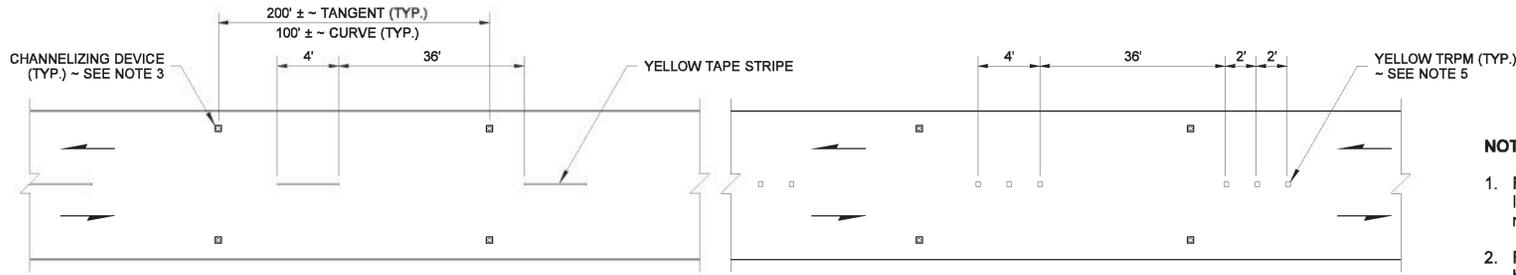
COMPOST BERM DESIGN

STATE OF WASHINGTON
 REGISTERED
 LANDSCAPE ARCHITECT
Mark W. Maurer
 MARK W. MAURER
 CERTIFICATE NO. 000598
 9/20/07

**EROSION CONTROL
 AT CULVERT ENDS**
STANDARD PLAN I-30.20-00
 SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
David Bakst 9/20/07
 STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation

DRAWN BY: ELENA BRUNSTEIN



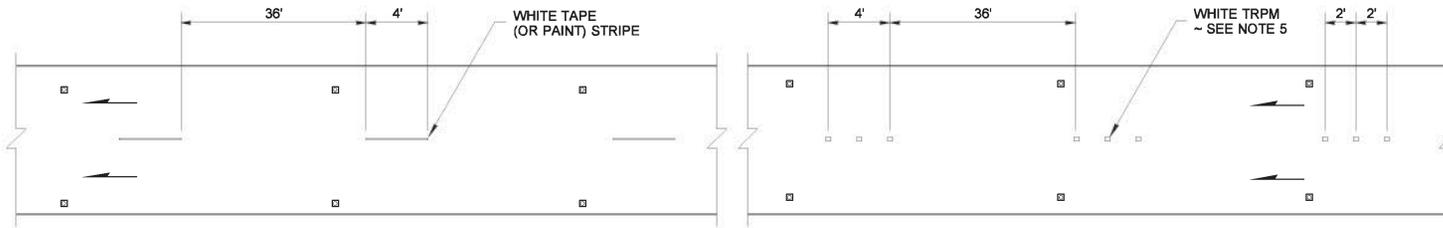
HOT MIXED ASPHALT PAVEMENT

BITUMINOUS SURFACE TREATMENT

TWO-LANE ROADWAY

NOTES

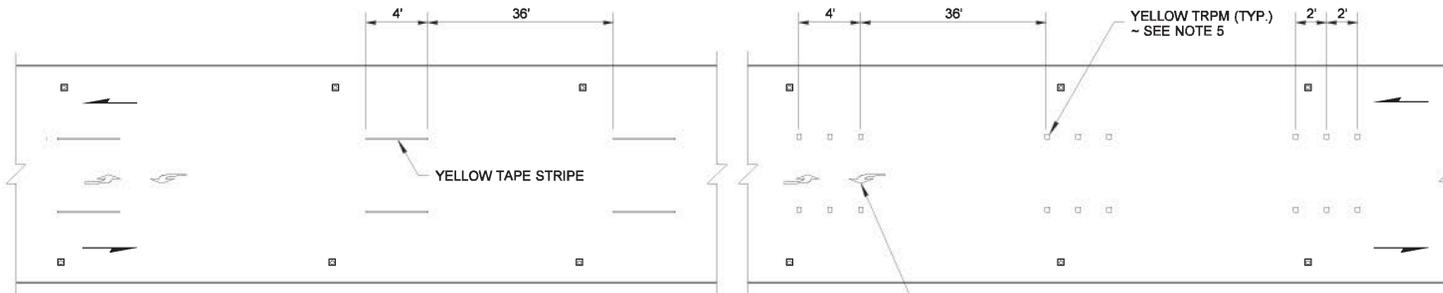
1. For long term projects conflicting pavement markings that are no longer applicable shall be removed or obliterated. Temporary markings shall be used as necessary.
2. For Hot Mixed Asphalt Pavement, a temporary striping tape shall be installed in conjunction with DO NOT PASS and "PASS WITH CARE" sign locations.
3. Temporary roadside delineation with Channelization Devices is optional. The appropriate taper length shall be L/2. See Standard Plan K-24.20 for minimum taper length (L).
4. For long term projects a channelization/pavement marking plan should be implemented.
5. Temporary Raised Pavement Marker (TRPM) may be used on a pattern spacing 5' O.C. to simulate a solid line.



HOT MIXED ASPHALT PAVEMENT

BITUMINOUS SURFACE TREATMENT

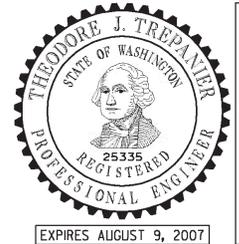
ONE-WAY TWO-LANE ROADWAY



HOT MIXED ASPHALT PAVEMENT

BITUMINOUS SURFACE TREATMENT

TWO-WAY TWO-LANE LEFT TURN ROADWAY



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TEMPORARY CHANNELIZATION
STANDARD PLAN K-70.20-00

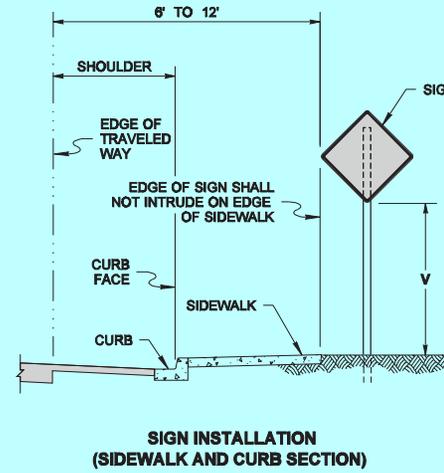
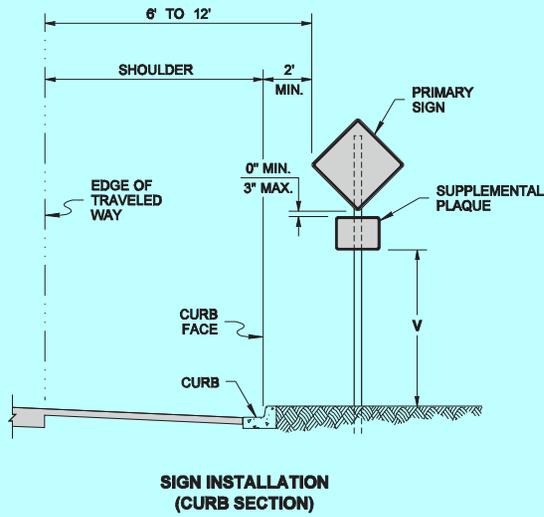
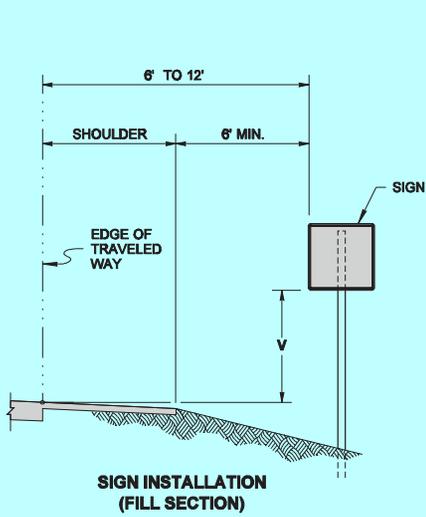
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Ken L. Smith **02-15-07**

STATE DESIGN ENGINEER DATE

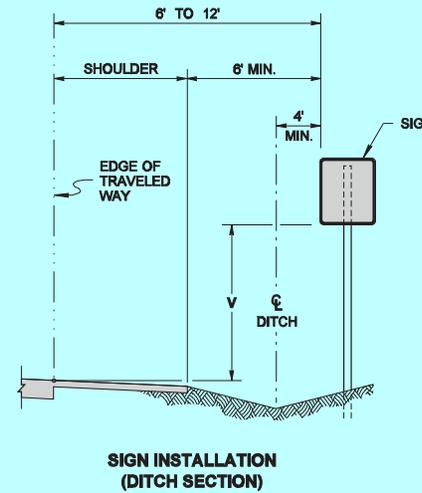
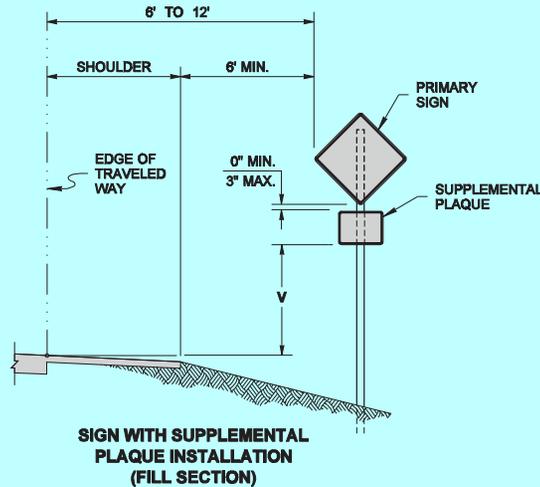
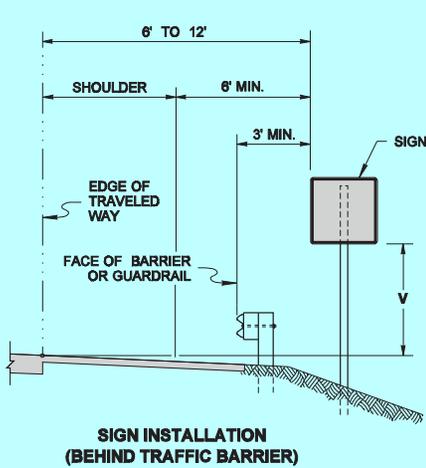




NOTES

1. For sign installation details, see Std. Plan G - series.
2. In rural areas, the "V" Height can be a minimum of 7 feet for primary signs and 6 feet for the supplemental plaques for greater visibility, as directed by the engineer.
3. The "V" height for signs, with an area of more than 50 square feet and two or more sign supports, is 7 feet in both rural and urban areas.

HEIGHT V		
	TO BOTTOM OF SIGN (NO SUPPLEMENTAL PLAQUE)	TO BOTTOM OF SUPPLEMENTAL PLAQUE (WHEN REQUIRED)
RURAL	5' MINIMUM	4' MINIMUM
URBAN	7' MINIMUM	6' MINIMUM



EXPIRES AUGUST 9, 2007

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**CLASS A
CONSTRUCTION SIGNING
INSTALLATION
STANDARD PLAN K-80.10-00**

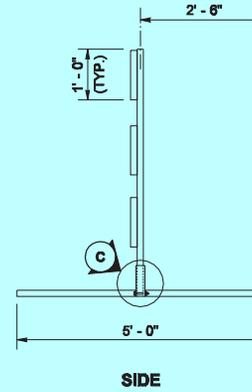
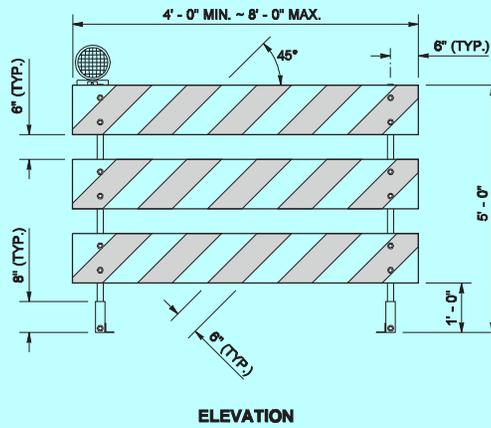
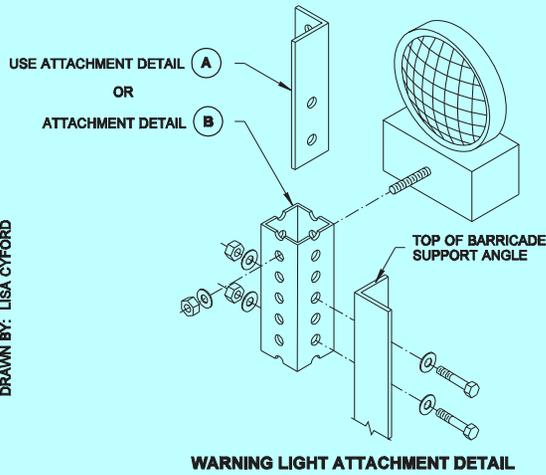
SHEET 1 OF 1 SHEET

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Ken L. Smith 02-21-07
STATE DESIGN ENGINEER DATE



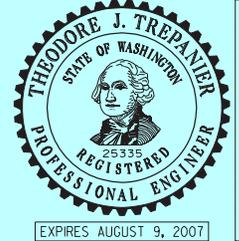
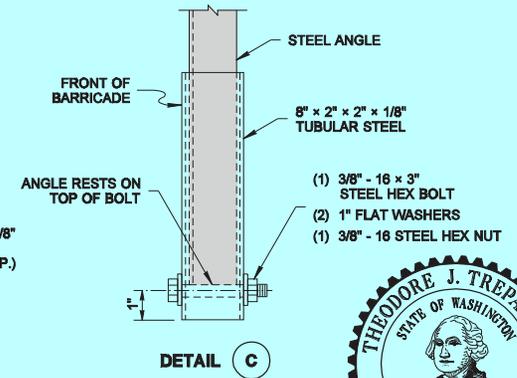
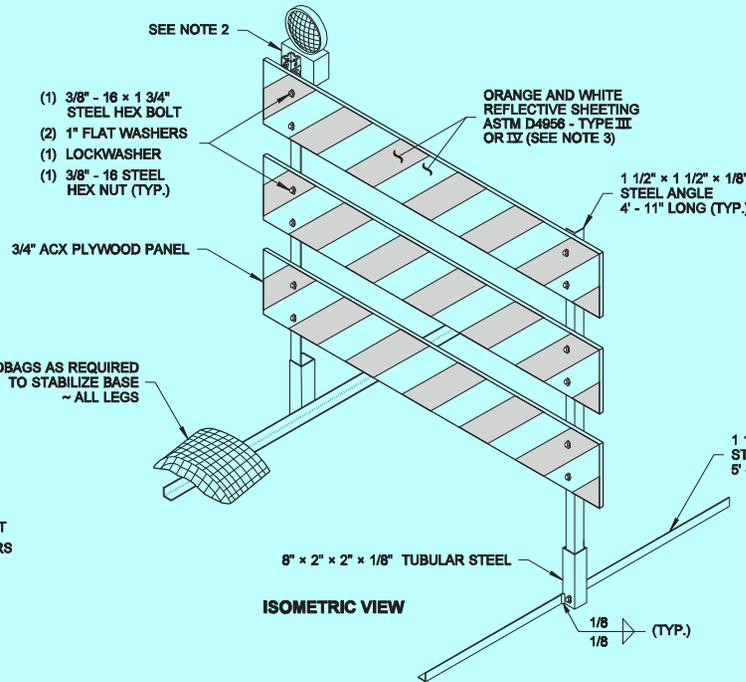
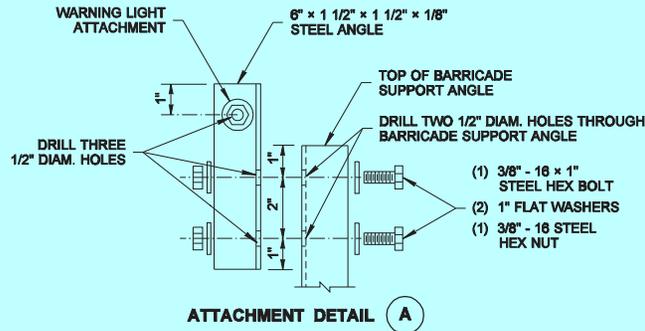
DRAWN BY: LISA CYFORD



TYPE 3 BARRICADE

NOTES

- All fasteners may be zinc plated, galvanized or stainless steel. All steel angle and tubular steel shall be hot-rolled, high carbon steel, painted or galvanized.
- Install one lightweight Type A Low-Intensity flashing warning light on the traffic side of the barricade. Install two Type A Low-Intensity flashing warning lights per barricade when the barricades are used to close a roadway. Attach the light to the barricade according to the light manufacturer's recommendations or use the details shown on this plan.
- Stripes on barricade rails shall be alternating orange and white retroreflective stripes (sloping downward at an angle of 45 degrees in the direction traffic is to pass).
- The Type 3 barricade design shown on this plan meets the crash test requirements of NCHRP 350. Alternative designs may be approved if they conform to the NCHRP 350 crash test criteria and the MUTCD.
- When a sign is mounted on the barricade, it shall be securely bolted to at least two plywood panels. The top of the sign shall not be higher than the top panel of the barricade.
- When sandbags are used in freezing weather, Urea fertilizer shall be mixed with the sand in a quantity to prevent the sand from freezing.



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TYPE 3 BARRICADE
STANDARD PLAN K-80.20-00

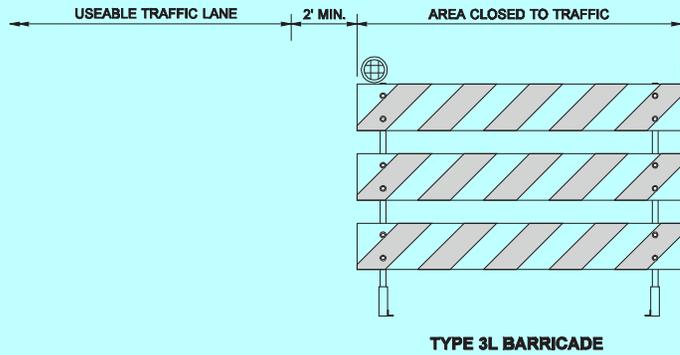
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

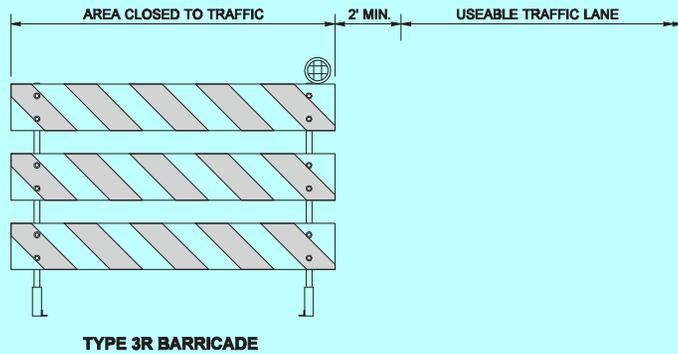
Kevin J. Dayton 12-20-06
STATE DESIGN ENGINEER DATE

Washington State Department of Transportation

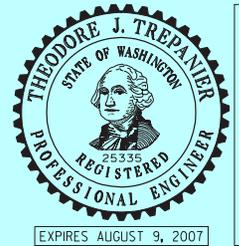
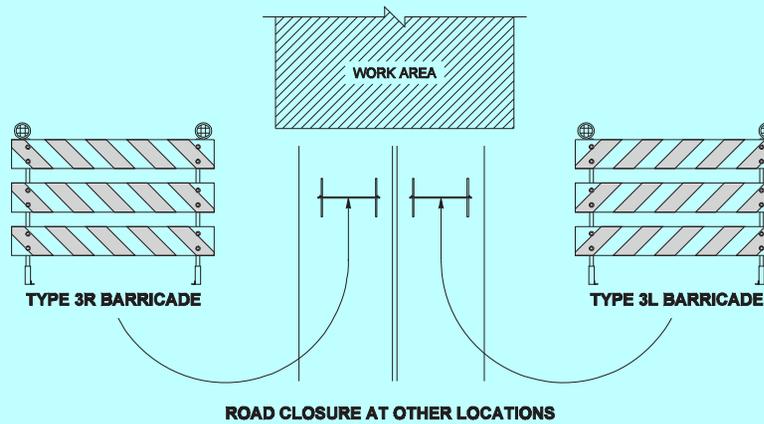
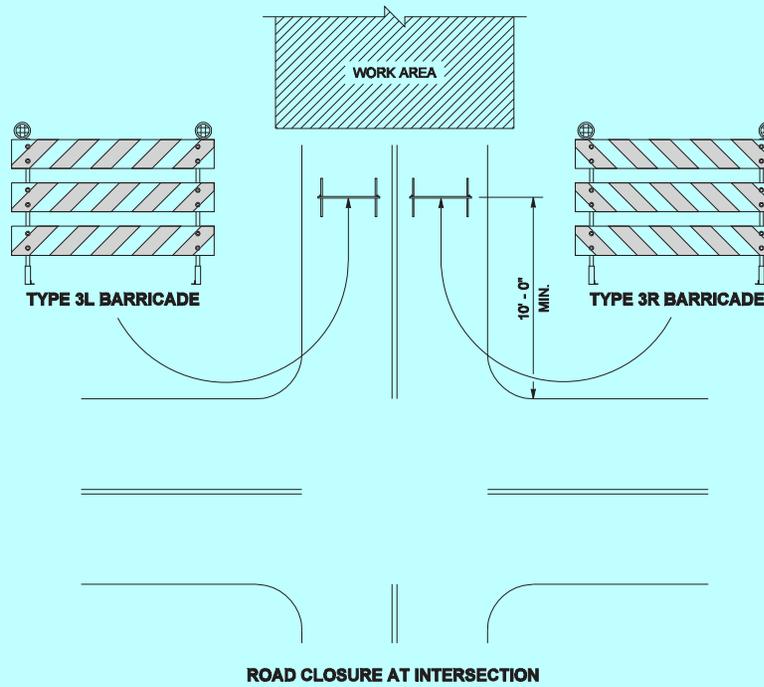
DRAWN BY: LISA CYFORD



STRIPES ON THE BARRICADES SHALL SLOPE DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS



BARRICADE PLACEMENT



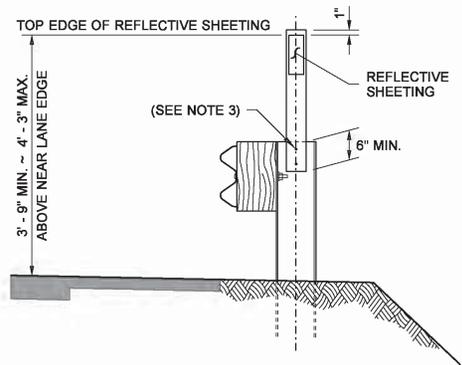
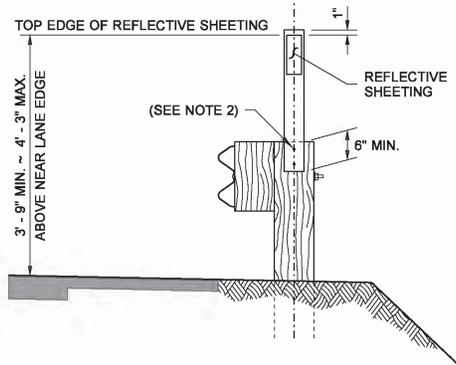
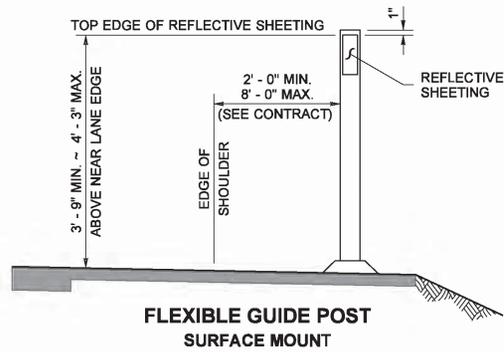
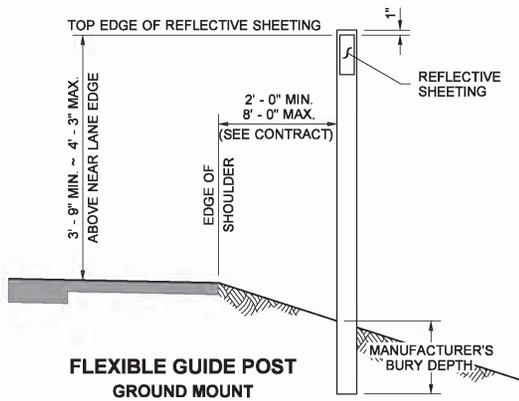
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TYPE 3 BARRICADE
STANDARD PLAN K-80.20-00
SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

Kevin J. Dayton **12-20-06**
STATE DESIGN ENGINEER DATE

Washington State Department of Transportation



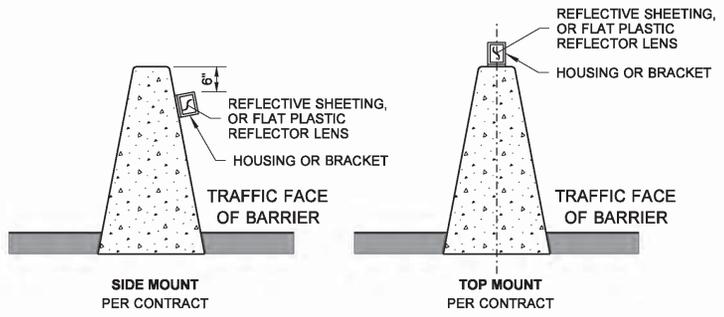
**FLEXIBLE GUIDE POST
GUARDRAIL MOUNT**
(USE FOR WOODEN GUARDRAIL POSTS)

**FLEXIBLE GUIDE POST
GUARDRAIL MOUNT**
(USE FOR STEEL GUARDRAIL POSTS)

BARRIER DELINEATOR REQUIREMENTS

- Spacing of Barrier Delineators shall be as shown in the Plans.
- The housing or bracket can be flexible or rigid, molded from a durable plastic or other durable material approved by the Engineer, and shall be attached to the barrier with an adhesive recommended by the manufacturer. The attachment point on the barrier surface shall be free of dirt, curing compound, moisture, paint, or any other matter that would adversely affect the adhesive bond.
- Barrier Delineators shall be one-sided for single direction traffic, or two-sided for bi-directional traffic.
- Color shall be white on the right of traffic, and yellow on the left of traffic.
- The reflective surface shall be rectangular or trapezoidal.
- Reflective Sheeting: 12 square inches minimum surface area; Type III, IV, V, or VI, selected from approved materials listed in the Qualified Products List.

OBSERVATION ANGLE	ENTRANCE ANGLE	SPECIFIC INTENSITY (cd/ft-c)	
		WHITE	YELLOW
0.1°	0°	126	75
0.1°	20°	50	30



BARRIER DELINEATORS

(CONCRETE BARRIER TYPES AND LOCATIONS VARY, SINGLE SLOPE IN MEDIAN SHOWN)

NOTES

1. When the Contract Plans requires a guide post with concurrent guardrail runs, the Contractor shall either:
 - A. Drive the flexible guide post in line with the guardrail posts, or
 - B. Mount the shorter flexible guide post onto the guardrail post.
2. Guide posts shall be fastened to the wooden guardrail post using two 2" (in) x 3/8" (in) lag screws with washers, along centerline of post. Also acceptable is any approved attachment method submitted by the guide post manufacturer.
3. Guide posts shall be fastened to the steel guardrail posts using two galvanized 2" (in) x 3/8" (in) bolts with a washer on both sides, a lock washer, and nut. The nut shall be tightened to properly compress the lock washer. The drilled holes in the guardrail post web shall be painted with galvanizing repair paint as described in **Standard Specification Section 8-11.3(1)B**. Also acceptable is any approved attachment method submitted by the guide post manufacturer.
4. When concrete barrier runs concurrent, the Contractor shall mount Barrier Delineators where guide posts are required.

GUIDE POST TYPE DEFINITIONS ~ REFLECTIVE SHEETING APPLICATIONS					
TYPE W	TYPE WW		TYPE Y	TYPE YY	
○	⊕		●	⊗	
FACING TRAFFIC	FACING TRAFFIC	BACK SIDE	FACING TRAFFIC	FACING TRAFFIC	BACK SIDE
3"	3"	3"	3"	3"	3"
8"	8"	4" 4" 4"	8"	8"	8"
WHITE	WHITE	WHITE	YELLOW	YELLOW	YELLOW



Walsh, Brian
Jun 24 2014 2:07 PM

**GUIDE POSTS AND
BARRIER DELINEATORS**
STANDARD PLAN M-40.10-03

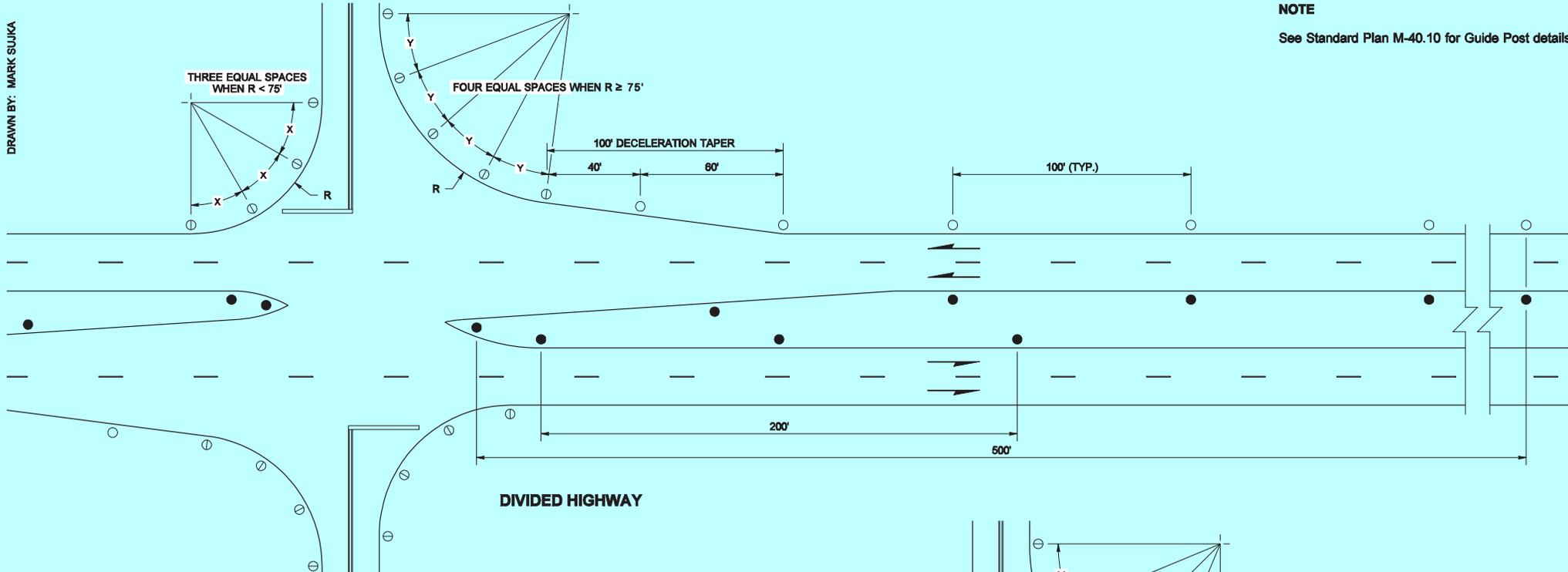
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Bakoteh, Pasco
Jun 24 2014 4:44 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: MARK SUJKA

NOTE

See Standard Plan M-40.10 for Guide Post details.



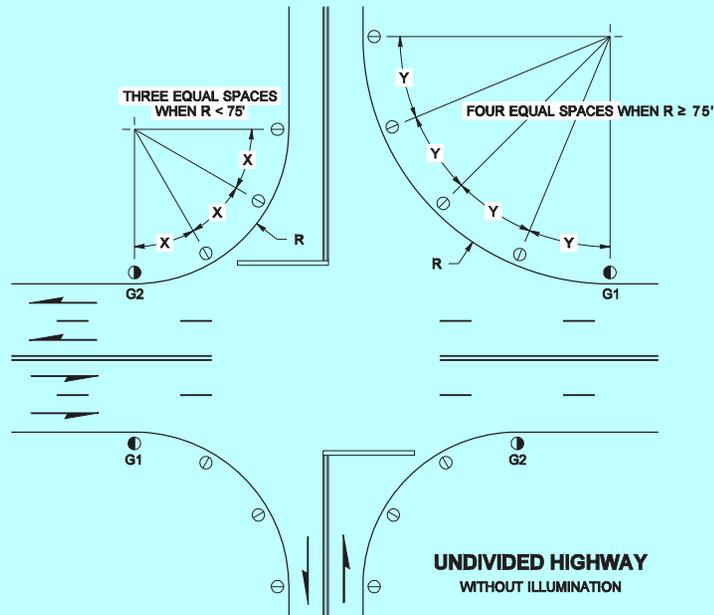
DIVIDED HIGHWAY

LEGEND

- TYPE W
- ⊕ TYPE WW
- TYPE Y

SEE TYPE DEFINITIONS, STD. PLAN M-40.10

REFLECTIVE SHEETING APPLICATIONS			
TYPE G1		TYPE G2	
G1		G2	
FACING TRAFFIC	BACK SIDE	FACING TRAFFIC	BACK SIDE
3"	3"	3"	3"
8" WHITE	4" WHITE	8" WHITE	4" WHITE
4" WHITE	4" WHITE	4" WHITE	4" WHITE
8" GREEN		8" GREEN	



**UNDIVIDED HIGHWAY
WITHOUT ILLUMINATION**



EXPIRES AUGUST 9, 2009

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**GUIDE POST PLACEMENT
GRADE INTERSECTIONS
STANDARD PLAN M-40.30-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

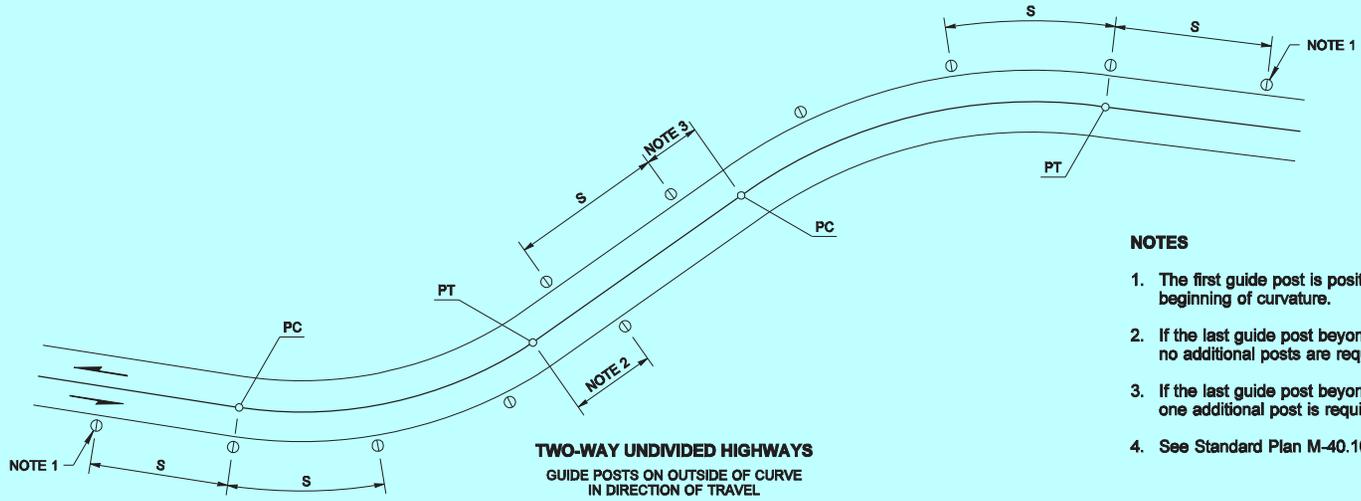
Pasco Bakotich III 09-20-07

STATE DESIGN ENGINEER DATE



GUIDE POST SPACING (FEET)	
RADIUS	S
50	20
115	25
150	30
200	35
250	40
300	50
400	55
500	65
600	70
700	75
800	80
900	85
1,000	90
1,200	100
1,700	120
2,300	140
2,900	160
3,700	180
4,500	200
5,500	220
6,500	240
7,600	260
8,800	280
10,000	300
R>10,000	300

INTERPOLATE FROM THE TABLE FOR RADII NOT SHOWN



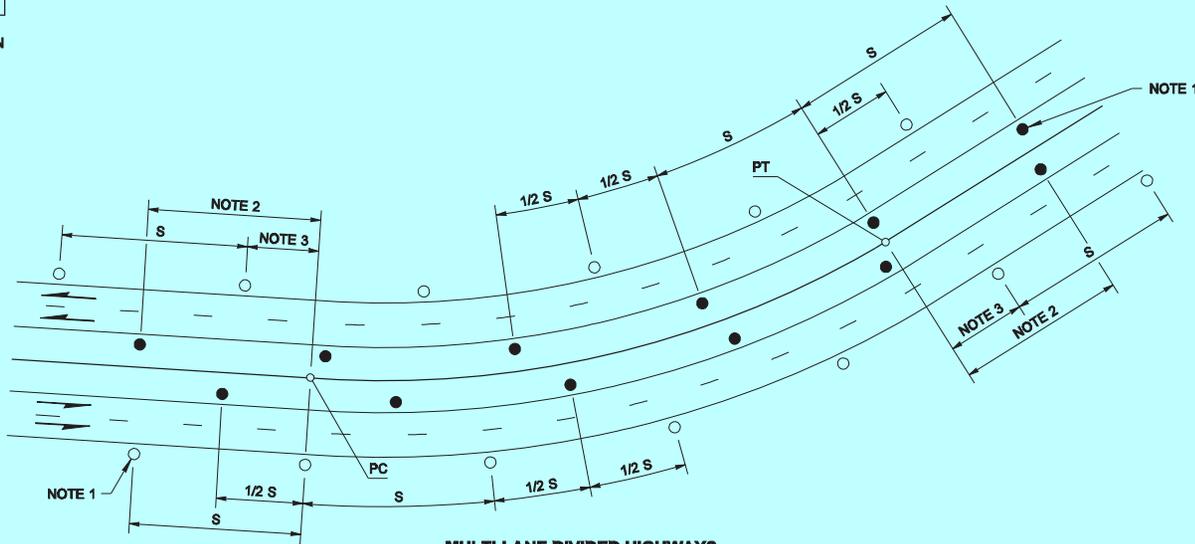
TWO-WAY UNDIVIDED HIGHWAYS
GUIDE POSTS ON OUTSIDE OF CURVE
IN DIRECTION OF TRAVEL

NOTES

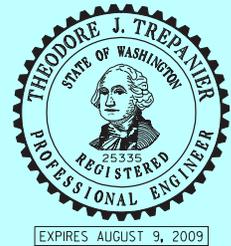
1. The first guide post is positioned "S" distance from the beginning of curvature.
2. If the last guide post beyond the curve is 1/2 "S" or more, no additional posts are required.
3. If the last guide post beyond the curve is less than 1/2 "S", one additional post is required.
4. See Standard Plan M-40.10 for Guide Post details.

LEGEND	
○	TYPE W
⊙	TYPE WW
●	TYPE Y

SEE TYPE DEFINITIONS,
STD. PLAN M-40.10



MULTI-LANE DIVIDED HIGHWAYS
GUIDE POSTS ON INSIDE AND OUTSIDE OF CURVE
FOR EACH DIRECTION OF TRAVEL



NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT UNLESS IT IS ELECTRONICALLY SIGNED AND SEALED BY THE ENGINEER. ANY CHANGES TO THIS DOCUMENT MUST BE MADE BY THE ENGINEER AND APPROVED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

**GUIDE POST PLACEMENT
HORIZONTAL CURVES
STANDARD PLAN M-40-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III 09-20-07

STATE DESIGN ENGINEER DATE



APPENDIX B



US Army Corps
of Engineers®
Seattle District

NATIONWIDE PERMIT 3

Terms and Conditions

Effective Date: June 15, 2012



-
- A. Description of Authorized Activities
 - B. Corps National General Conditions for all NWP
 - C. Corps Seattle District Regional General Conditions
 - D. Corps Regional Specific Conditions for this NWP
 - E. State 401 Certification General Conditions
 - F. State 401 Certification Specific Conditions for this NWP
 - G. EPA 401 Certification General Conditions
 - H. EPA 401 Certification Specific Conditions for this NWP
 - I. Coastal Zone Management Consistency Response for this NWP
-

In addition to any special condition that may be required on a case-by-case basis by the District Engineer, the following terms and conditions must be met, as applicable, for a Nationwide Permit authorization to be valid in Washington State.

A. DESCRIPTION OF AUTHORIZED ACTIVITIES

3. Maintenance. (a) The repair, rehabilitation, or replacement of any previously authorized, currently serviceable structure, or fill, or of any currently serviceable structure or fill authorized by 33 CFR 330.3, provided that the structure or fill is not to be put to uses differing from those uses specified or contemplated for it in the original permit or the most recently authorized modification. Minor deviations in the structure's configuration or filled area, including those due to changes in materials, construction techniques, requirements of other regulatory agencies, or current construction codes or safety standards that are necessary to make the repair, rehabilitation, or replacement are authorized. Any stream channel modification is limited to the minimum necessary for the repair, rehabilitation, or replacement of the structure or fill; such modifications, including the removal of material from the stream channel, must be immediately adjacent to the project or within the boundaries of the structure or fill. This NWP also authorizes the repair, rehabilitation, or replacement of those structures or fills destroyed or damaged by storms, floods, fire or other discrete events, provided the repair, rehabilitation, or replacement is commenced, or is under contract to commence, within two years of the date of their destruction or damage. In cases of catastrophic events, such as hurricanes or tornadoes, this two-year limit may be waived by the district engineer, provided the permittee can demonstrate funding, contract, or other similar delays.

(b) This NWP also authorizes the removal of accumulated sediments and debris in the vicinity of existing structures (e.g., bridges, culverted road crossings, water intake structures, etc.) and/or the placement of new or additional riprap to protect the structure. The removal of sediment is limited to the minimum necessary to restore the waterway in the vicinity of the structure to the approximate dimensions that existed when the structure was built, but cannot extend farther than 200 feet in any direction from the structure. This 200 foot limit does not apply to maintenance dredging to remove accumulated sediments blocking or restricting outfall and intake structures or to maintenance dredging to remove accumulated sediments from canals associated with outfall and intake structures. All dredged or excavated materials must be deposited and retained in an area that has no waters of the United States unless otherwise specifically approved by the district engineer under separate authorization. The placement of new or additional riprap must be the minimum necessary to protect the structure or to ensure the safety of the

structure. Any bank stabilization measures not directly associated with the structure will require a separate authorization from the district engineer.

(c) This NWP also authorizes temporary structures, fills, and work necessary to conduct the maintenance activity. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary structures, work, and discharges, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites. Temporary fills must consist of materials, and be placed in a manner, that will not be eroded by expected high flows. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The areas affected by temporary fills must be revegetated, as appropriate.

(d) This NWP does not authorize maintenance dredging for the primary purpose of navigation. This NWP does not authorize beach restoration. This NWP does not authorize new stream channelization or stream relocation projects.

Notification: For activities authorized by paragraph (b) of this NWP, the permittee must submit a pre-construction notification to the district engineer prior to commencing the activity (see general condition 31). The pre-construction notification must include information regarding the original design capacities and configurations of the outfalls, intakes, small impoundments, and canals. (Sections 10 and 404)

Note: This NWP authorizes the repair, rehabilitation, or replacement of any previously authorized structure or fill that does not qualify for the Clean Water Act Section 404(f) exemption for maintenance.

B. CORPS NATIONAL GENERAL CONDITIONS FOR ALL NWPs

Note: To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. Prospective permittees should contact the appropriate Corps district office to determine if regional conditions have been imposed on an NWP. Prospective permittees should also contact the appropriate Corps district office to determine the status of Clean Water Act Section 401 water quality certification and/or Coastal Zone Management Act consistency for an NWP. Every person who may wish to obtain permit authorization under one or more NWPs, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR § 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR § 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

1. Navigation. (a) No activity may cause more than a minimal adverse effect on navigation.

(b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.

(c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

2. Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species.

3. Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

4. Migratory Bird Breeding Areas. Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

5. Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWPs 4 and 48, or is a shellfish seeding or habitat restoration activity authorized by NWP 27.

6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see Section 307 of the Clean Water Act).

7. Water Supply Intakes. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

8. Adverse Effects From Impoundments. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization and storm water management activities, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

10. Fills Within 100-Year Floodplains. The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow.

13. Removal of Temporary Fills. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

15. Single and Complete Project. The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

16. Wild and Scenic Rivers. No activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status. Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service).

17. Tribal Rights. No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

18. Endangered Species. (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify the critical habitat of such species. No activity is authorized under any NWP which "may affect" a listed species or critical habitat, unless Section 7 consultation addressing the effects of the proposed activity has been completed.

(b) Federal agencies should follow their own procedures for complying with the requirements of the ESA. Federal permittees must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will review the documentation and determine whether it is sufficient to address ESA compliance for the NWP activity, or whether additional ESA consultation is necessary.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species or designated critical habitat might be affected or is in the vicinity of the project, or if the project is located in designated critical habitat, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species or designated critical habitat, the pre-construction notification must include the name(s) of the endangered or threatened species that might be affected by the proposed work or that utilize the designated critical habitat that might be affected by the proposed work. The district engineer will determine whether the proposed activity "may affect" or will have "no effect" to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps' determination within 45 days of receipt of a complete pre-construction notification. In cases where the non-Federal applicant has identified listed species or critical habitat that might be affected or is in the vicinity of the project, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification the proposed activities will have "no effect" on listed species or critical habitat, or until Section 7 consultation has been completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(d) As a result of formal or informal consultation with the FWS or NMFS the district engineer may add species-specific regional endangered species conditions to the NWPs.

(e) Authorization of an activity by a NWP does not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, etc.) from the U.S. FWS or the NMFS, The Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word "harm" in the definition of "take" means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or

degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

(f) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the U.S. FWS and NMFS or their world wide web pages at <http://www.fws.gov/> or <http://www.fws.gov/ipac> and <http://www.noaa.gov/fisheries.html> respectively.

19. Migratory Birds and Bald and Golden Eagles. The permittee is responsible for obtaining any “take” permits required under the U.S. Fish and Wildlife Service’s regulations governing compliance with the Migratory Bird Treaty Act or the Bald and Golden Eagle Protection Act. The permittee should contact the appropriate local office of the U.S. Fish and Wildlife Service to determine if such “take” permits are required for a particular activity.

20. Historic Properties. (a) In cases where the district engineer determines that the activity may affect properties listed, or eligible for listing, in the National Register of Historic Places, the activity is not authorized, until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied.

(b) Federal permittees should follow their own procedures for complying with the requirements of Section 106 of the National Historic Preservation Act. Federal permittees must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will review the documentation and determine whether it is sufficient to address section 106 compliance for the NWP activity, or whether additional section 106 consultation is necessary.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if the authorized activity may have the potential to cause effects to any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the pre-construction notification must state which historic properties may be affected by the proposed work or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of or potential for the presence of historic resources can be sought from the State Historic Preservation Officer or Tribal Historic Preservation Officer, as appropriate, and the National Register of Historic Places (see 33 CFR 330.4(g)). When reviewing pre-construction notifications, district engineers will comply with the current procedures for addressing the requirements of Section 106 of the National Historic Preservation Act. The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts, which may include background research, consultation, oral history interviews, sample field investigation, and field survey. Based on the information submitted and these efforts, the district engineer shall determine whether the proposed activity has the potential to cause an effect on the historic properties. Where the non-Federal applicant has identified historic properties on which the activity may have the potential to cause effects and so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects or that consultation under Section 106 of the NHPA has been completed.

(d) The district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA Section 106 consultation is required. Section 106 consultation is not required when the Corps determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR §800.3(a)). If NHPA section 106 consultation is required and will occur, the district engineer will notify the non-Federal applicant that he or she cannot begin work until Section 106 consultation is completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(e) Prospective permittees should be aware that section 110k of the NHPA (16 U.S.C. 470h-2(k)) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of Section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant

adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. Discovery of Previously Unknown Remains and Artifacts. If you discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by this permit, you must immediately notify the district engineer of what you have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

22. Designated Critical Resource Waters. Critical resource waters include, NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may designate, after notice and opportunity for public comment, additional waters officially designated by a state as having particular environmental or ecological significance, such as outstanding national resource waters or state natural heritage sites. The district engineer may also designate additional critical resource waters after notice and opportunity for public comment.

(a) Discharges of dredged or fill material into waters of the United States are not authorized by NWP's 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, and 52 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters.

(b) For NWP's 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, and 38, notification is required in accordance with general condition 31, for any activity proposed in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWP's only after it is determined that the impacts to the critical resource waters will be no more than minimal.

23. Mitigation. The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that adverse effects on the aquatic environment are minimal:

(a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site).

(b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the adverse effects to the aquatic environment are minimal.

(c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse effects of the proposed activity are minimal, and provides a project-specific waiver of this requirement. For wetland losses of 1/10-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in minimal adverse effects on the aquatic environment. Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR part 332. (1) The prospective permittee is responsible for proposing an appropriate compensatory mitigation option if compensatory mitigation is necessary to ensure that the activity results in minimal

adverse effects on the aquatic environment. (2) Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, wetland restoration should be the first compensatory mitigation option considered. (3) If permittee-responsible mitigation is the proposed option, the prospective permittee is responsible for submitting a mitigation plan. A conceptual or detailed mitigation plan may be used by the district engineer to make the decision on the NWP verification request, but a final mitigation plan that addresses the applicable requirements of 33 CFR 332.4(c)(2) – (14) must be approved by the district engineer before the permittee begins work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation (see 33 CFR 332.3(k)(3)). (4) If mitigation bank or in-lieu fee program credits are the proposed option, the mitigation plan only needs to address the baseline conditions at the impact site and the number of credits to be provided. (5) Compensatory mitigation requirements (e.g., resource type and amount to be provided as compensatory mitigation, site protection, ecological performance standards, monitoring requirements) may be addressed through conditions added to the NWP authorization, instead of components of a compensatory mitigation plan.

(d) For losses of streams or other open waters that require pre-construction notification, the district engineer may require compensatory mitigation, such as stream rehabilitation, enhancement, or preservation, to ensure that the activity results in minimal adverse effects on the aquatic environment.

(e) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWPs. For example, if an NWP has an acreage limit of 1/2-acre, it cannot be used to authorize any project resulting in the loss of greater than 1/2-acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that a project already meeting the established acreage limits also satisfies the minimal impact requirement associated with the NWPs.

(f) Compensatory mitigation plans for projects in or near streams or other open waters will normally include a requirement for the restoration or establishment, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, riparian areas may be the only compensatory mitigation required. Riparian areas should consist of native species. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. If it is not possible to establish a riparian area on both sides of a stream, or if the waterbody is a lake or coastal waters, then restoring or establishing a riparian area along a single bank or shoreline may be sufficient. Where both wetlands and open waters exist on the project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses.

(g) Permittees may propose the use of mitigation banks, in-lieu fee programs, or separate permittee-responsible mitigation. For activities resulting in the loss of marine or estuarine resources, permittee-responsible compensatory mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term management.

(h) Where certain functions and services of waters of the United States are permanently adversely affected, such as the conversion of a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse effects of the project to the minimal level.

24. Safety of Impoundment Structures. To ensure that all impoundment structures are safely designed, the district engineer may require non-Federal applicants to demonstrate that the structures comply with established state dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.

25. Water Quality. Where States and authorized Tribes, or EPA where applicable, have not previously certified compliance of an NWP with CWA Section 401, individual 401 Water Quality Certification must be obtained or waived (see 33 CFR 330.4(c)). The district engineer or State or Tribe may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

26. Coastal Zone Management. In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). The district engineer or a State may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.

27. Regional and Case-By-Case Conditions. The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.

28. Use of Multiple Nationwide Permits. The use of more than one NWP for a single and complete project is prohibited, except when the acreage loss of waters of the United States authorized by the NWPs does not exceed the acreage limit of the NWP with the highest specified acreage limit. For example, if a road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.

29. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

“When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.”

(Transferee)

(Date)

30. Compliance Certification. Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include: (a) A statement that the authorized work was done in accordance with

the NWP authorization, including any general, regional, or activity-specific conditions; (b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and (c) The signature of the permittee certifying the completion of the work and mitigation.

31. Pre-Construction Notification. (a) Timing. Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be incomplete, notify the prospective permittee within that 30 day period to request the additional information necessary to make the PCN complete. The request must specify the information needed to make the PCN complete. As a general rule, district engineers will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity until either: (1) He or she is notified in writing by the district or division engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or (2) 45 calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 18 that listed species or critical habitat might be affected or in the vicinity of the project, or to notify the Corps pursuant to general condition 20 that the activity may have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that there is "no effect" on listed species or "no potential to cause effects" on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or Section 106 of the National Historic Preservation (see 33 CFR 330.4(g)) has been completed. Also, work cannot begin under NWPs 21, 49, or 50 until the permittee has received written approval from the Corps. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee may not begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee's right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) Contents of Pre-Construction Notification: The PCN must be in writing and include the following information: (1) Name, address and telephone numbers of the prospective permittee; (2) Location of the proposed project; (3) A description of the proposed project; the project's purpose; direct and indirect adverse environmental effects the project would cause, including the anticipated amount of loss of water of the United States expected to result from the NWP activity, in acres, linear feet, or other appropriate unit of measure; any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. The description should be sufficiently detailed to allow the district engineer to determine that the adverse effects of the project will be minimal and to determine the need for compensatory mitigation. Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the project and when provided results in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed activity (e.g., a conceptual plan), but do not need to be detailed engineering plans); (4) The PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the

project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many waters of the United States. Furthermore, the 45 day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate; (5) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands and a PCN is required, the prospective permittee must submit a statement describing how the mitigation requirement will be satisfied, or explaining why the adverse effects are minimal and why compensatory mitigation should not be required. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan. (6) If any listed species or designated critical habitat might be affected or is in the vicinity of the project, or if the project is located in designated critical habitat, for non-Federal applicants the PCN must include the name(s) of those endangered or threatened species that might be affected by the proposed work or utilize the designated critical habitat that may be affected by the proposed work. Federal applicants must provide documentation demonstrating compliance with the Endangered Species Act; and (7) For an activity that may affect a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, for non-Federal applicants the PCN must state which historic property may be affected by the proposed work or include a vicinity map indicating the location of the historic property. Federal applicants must provide documentation demonstrating compliance with Section 106 of the National Historic Preservation Act.

(c) Form of Pre-Construction Notification: The standard individual permit application form (Form ENG 4345) may be used, but the completed application form must clearly indicate that it is a PCN and must include all of the information required in paragraphs (b)(1) through (7) of this general condition. A letter containing the required information may also be used.

(d) Agency Coordination: (1) The district engineer will consider any comments from Federal and state agencies concerning the proposed activity's compliance with the terms and conditions of the NWP's and the need for mitigation to reduce the project's adverse environmental effects to a minimal level. (2) For all NWP activities that require pre-construction notification and result in the loss of greater than 1/2-acre of waters of the United States, for NWP 21, 29, 39, 40, 42, 43, 44, 50, 51, and 52 activities that require pre-construction notification and will result in the loss of greater than 300 linear feet of intermittent and ephemeral stream bed, and for all NWP 48 activities that require pre-construction notification, the district engineer will immediately provide (e.g., via e-mail, facsimile transmission, overnight mail, or other expeditious manner) a copy of the complete PCN to the appropriate Federal or state offices (U.S. FWS, state natural resource or water quality agency, EPA, State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Office (THPO), and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will have 10 calendar days from the date the material is transmitted to telephone or fax the district engineer notice that they intend to provide substantive, site-specific comments. The comments must explain why the agency believes the adverse effects will be more than minimal. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the pre-construction notification. The district engineer will fully consider agency comments received within the specified time frame concerning the proposed activity's compliance with the terms and conditions of the NWP's, including the need for mitigation to ensure the net adverse environmental effects to the aquatic environment of the proposed activity are minimal. The district engineer will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5. (3) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by Section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act. (4)

Applicants are encouraged to provide the Corps with either electronic files or multiple copies of pre-construction notifications to expedite agency coordination.

District Engineer's Decision

1. In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. For a linear project, this determination will include an evaluation of the individual crossings to determine whether they individually satisfy the terms and conditions of the NWP(s), as well as the cumulative effects caused by all of the crossings authorized by NWP. If an applicant requests a waiver of the 300 linear foot limit on impacts to intermittent or ephemeral streams or of an otherwise applicable limit, as provided for in NWPs 13, 21, 29, 36, 39, 40, 42, 43, 44, 50, 51 or 52, the district engineer will only grant the waiver upon a written determination that the NWP activity will result in minimal adverse effects. When making minimal effects determinations the district engineer will consider the direct and indirect effects caused by the NWP activity. The district engineer will also consider site specific factors, such as the environmental setting in the vicinity of the NWP activity, the type of resource that will be affected by the NWP activity, the functions provided by the aquatic resources that will be affected by the NWP activity, the degree or magnitude to which the aquatic resources perform those functions, the extent that aquatic resource functions will be lost as a result of the NWP activity (e.g., partial or complete loss), the duration of the adverse effects (temporary or permanent), the importance of the aquatic resource functions to the region (e.g., watershed or ecoregion), and mitigation required by the district engineer. If an appropriate functional assessment method is available and practicable to use, that assessment method may be used by the district engineer to assist in the minimal adverse effects determination. The district engineer may add case-specific special conditions to the NWP authorization to address site-specific environmental concerns.

2. If the proposed activity requires a PCN and will result in a loss of greater than 1/10-acre of wetlands, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for projects with smaller impacts. The district engineer will consider any proposed compensatory mitigation the applicant has included in the proposal in determining whether the net adverse environmental effects to the aquatic environment of the proposed activity are minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse effects on the aquatic environment are minimal, after considering mitigation, the district engineer will notify the permittee and include any activity-specific conditions in the NWP verification the district engineer deems necessary. Conditions for compensatory mitigation requirements must comply with the appropriate provisions at 33 CFR 332.3(k). The district engineer must approve the final mitigation plan before the permittee commences work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the proposed compensatory mitigation plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure no more than minimal adverse effects on the aquatic environment. If the net adverse effects of the project on the aquatic environment (after consideration of the compensatory mitigation proposal) are determined by the district engineer to be minimal, the district engineer will provide a timely written response to the applicant. The response will state that the project can proceed under the terms and conditions of the NWP, including any activity-specific conditions added to the NWP authorization by the district engineer.

3. If the district engineer determines that the adverse effects of the proposed work are more than minimal, then the district engineer will notify the applicant either: (a) That the project does not qualify for

authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (b) that the project is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse effects on the aquatic environment to the minimal level; or (c) that the project is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse effects occur to the aquatic environment, the activity will be authorized within the 45-day PCN period, with activity-specific conditions that state the mitigation requirements. The authorization will include the necessary conceptual or detailed mitigation or a requirement that the applicant submit a mitigation plan that would reduce the adverse effects on the aquatic environment to the minimal level. When mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan or has determined that prior approval of a final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation.

Further Information

1. District Engineers have authority to determine if an activity complies with the terms and conditions of an NWP.
2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law.
3. NWPs do not grant any property rights or exclusive privileges.
4. NWPs do not authorize any injury to the property or rights of others.
5. NWPs do not authorize interference with any existing or proposed Federal project.

C. CORPS SEATTLE DISTRICT REGIONAL GENERAL CONDITIONS

1. Aquatic Resources Requiring Special Protection. Activities resulting in a loss of waters of the United States in a mature forested wetland, bog, bog-like wetland, aspen-dominated wetland, alkali wetland, wetlands in a dunal system along the Washington coast, vernal pools, camas prairie wetlands, estuarine wetlands, and wetlands in coastal lagoons cannot be authorized by a NWP, except by the following NWPs:

NWP 3 – Maintenance
NWP 20 – Oil Spill Cleanup
NWP 32 – Completed Enforcement Actions
NWP 38 – Cleanup of Hazardous and Toxic Waste

In order to use one of the above-referenced NWPs in any of the aquatic resources requiring special protection, you must submit a pre-construction notification to the District Engineer in accordance with Nationwide Permit General Condition 31 (Pre-Construction Notification) and obtain written approval before commencing work.

2. Commencement Bay. The following NWPs may not be used to authorize activities located in the Commencement Bay Study Area (see Figure 1 at www.nws.usace.army.mil, select Regulatory Permits then Permit Guidebook, then Nationwide Permits) requiring Department of the Army authorization:

NWP 12 – Utility Line Activities (substations)
NWP 13 – Bank Stabilization
NWP 14 – Linear Transportation Projects
NWP 23 – Approved Categorical Exclusions
NWP 29 – Residential Developments
NWP 39 – Commercial and Institutional Developments
NWP 40 – Agricultural Activities

NWP 41 – Reshaping Existing Drainage Ditches
NWP 42 – Recreational Facilities
NWP 43 – Stormwater Management Facilities

3. New Bank Stabilization Prohibition Areas in Tidal Waters of Puget Sound. Activities involving new bank stabilization in tidal waters in Water Resource Inventory Areas (WRIAs) 8, 9, 10, 11, and 12 (within the specific area identified on Figure 2 at www.nws.usace.army.mil, select Regulatory Permits then Permit Guidebook, then Nationwide Permits) cannot be authorized by a NWP.

4. Bank Stabilization. Any project including new or maintenance bank stabilization activities requires pre-construction notification to the District Engineer in accordance with Nationwide Permit General Condition 31 for Pre-Construction Notification. This requirement does not apply to maintenance work exempt by 33 CFR 323.4 (a)(2). Each notification must also include the following information:

a. Need for the work, including the cause of the erosion and the threat posed to structures, infrastructure, and/or public safety. The notification must also include a justification for the need to place fill or structures waterward of the line of the Corps' jurisdiction (typically, the ordinary high water mark or mean higher high water mark).

b. Current and expected post-project sediment movement and deposition patterns in and near the project area. In tidal waters, describe the location and size of the nearest bluff sediment sources (feeder bluffs) to the project area and current and expected post-project nearshore drift patterns in the project area.

c. Current and expected post-project habitat conditions, including the presence of fish, wildlife and plant species, submerged aquatic vegetation, spawning habitat, and special aquatic sites (e.g., vegetated shallows, riffle and pool complexes, or mudflats) in the project area.

d. In rivers and streams, an assessment of the likely impact of the proposed work on upstream, downstream and cross-stream properties (at a minimum the area assessed should extend from the nearest upstream bend to the nearest downstream bend of the watercourse). Discuss the methodology used for determining effects. The Corps reserves the right to request an increase in the reach assessment area to fully address the relevant ecological reach and associated habitat.

e. For new bank stabilization activities in rivers and streams, describe the type and length of existing bank stabilization within 300 feet up and downstream of the project area. In tidal areas, describe the type and length of existing bank stabilization within 300 feet along the shoreline on both sides of the project area.

f. Demonstrate the proposed project incorporates the least environmentally damaging practicable bank protection methods. These methods include, but are not limited to, the use of bioengineering, biotechnical design, root wads, large woody material, native plantings, and beach nourishment in certain circumstances. If rock must be used due to site erosion conditions, explain how the bank stabilization structure incorporates elements beneficial to fish. If the Corps determines you have not incorporated the least environmentally damaging practicable bank protection methods and/or have not fully compensated for impacts to aquatic resources, you must submit a compensatory mitigation plan to compensate for impacts to aquatic resources.

g. A planting plan using native riparian plant species unless the applicant demonstrates a planting plan is not appropriate or not practicable.

5. Crossings of Waters of the United States. Any project including installing, replacing, or modifying crossings of waters of the United States, such as culverts, requires pre-construction notification to the District Engineer in accordance with Nationwide Permit General Condition 31 for Pre-Construction Notification. This requirement does not apply to maintenance work exempt by 33 CFR 323.4 (a)(2). Each notification must also include the following information:

- a. Need for the crossing.
- b. Crossing design criteria and design methodology.
- c. Rationale behind using the specific design method for the crossing.

6. Cultural Resources and Human Burials. Permittees must immediately stop work and notify the District Engineer within 24 hours if, during the course of conducting authorized work, human burials, cultural resources, or historic properties, as identified by the National Historic Preservation Act, are discovered. Failure to stop work in the area of discovery until the Corps can comply with the provisions of 33 CFR 325 Appendix C, the National Historic Preservation Act, and other pertinent laws and regulations could result in a violation of state and federal laws. Violators are subject to civil and criminal penalties.

7. Essential Fish Habitat. An activity which may adversely affect essential fish habitat, as identified under the Magnuson-Stevens Fishery Conservation and Management Act (MSA), may not be authorized by NWP until essential fish habitat requirements have been met by the applicant and the Corps. Non-federal permittees shall notify the District Engineer if essential fish habitat may be affected by, or is in the vicinity of, a proposed activity and shall not begin work until notified by the District Engineer that the requirements of the essential fish habitat provisions of the MSA have been satisfied and the activity is authorized. The notification must identify the type(s) of essential fish habitat (e.g., Pacific salmon, groundfish, and/or coastal-pelagic species) managed by a Fishery Management Plan that may be affected. Information about essential fish habitat is available at www.nwr.noaa.gov/.

8. Vegetation Protection and Restoration. Permittees must clearly mark all construction area boundaries before beginning work. The removal of native vegetation in riparian areas and wetlands, and the removal of submerged aquatic vegetation in estuarine and tidal areas must be avoided and minimized to the maximum extent practicable. Areas subject to temporary vegetation removal shall be replanted with appropriate native species by the end of the first planting season following the disturbance except as waived by the District Engineer. If an aquaculture area is permitted to impact submerged aquatic vegetation under NWP 48, the aquaculture area does not need to be replanted with submerged aquatic vegetation.

9. Access. You must allow representatives of this office to inspect the authorized activity at any time deemed necessary to ensure the work is being, or has been, accomplished in accordance with the terms and conditions of your permit.

10. Contractor Notification of Permit Requirements. The permittee must provide a copy of the nationwide permit verification letter, conditions, and permit drawings to all contractors involved with the authorized work, prior to the commencement of any work in waters of the U.S.

D. CORPS REGIONAL SPECIFIC CONDITIONS FOR THIS NWP: NONE

E. STATE 401 CERTIFICATION GENERAL CONDITIONS:

1. **For in-water construction activities.** Individual 401 review is required for projects or activities authorized under NWP that will cause, or be likely to cause or contribute to an exceedance of a State water quality standard (WAC 173-201A) or sediment management standard (WAC 173-204).

Note: State water quality standards are posted on Ecology's website:

<http://www.ecy.wa.gov/programs/wq/swqs/>. Click "Surface Water Criteria" for freshwater and marine water standards. Sediment management standards are posted on Ecology's website: <http://www.ecy.wa.gov/biblio/wac173204.html>. Information is also available by contacting Ecology's Federal Permit staff.

2. **Projects or Activities Discharging to Impaired Waters.** Individual 401 review is required for projects or activities authorized under NWP if the project or activity will occur in a 303(d) listed segment of a waterbody or upstream of a listed segment and may result in further exceedances of the specific listed parameter.

Note: To determine if your project or activity is in a 303(d) listed segment of a waterbody, visit Ecology's Water Quality Assessment webpage for maps and search tools, <http://www.ecy.wa.gov/programs/wq/303d/2008/>. Information is also available by contacting Ecology's Federal Permit staff.

3. **Notification.** For projects or activities that will require Individual 401 review, applicants must provide Ecology with the same documentation provided to the Corps (as described in Corps Nationwide Permit General Condition 31, Pre-Construction Notification), including, when applicable:

- (a) A description of the project, including site plans, project purpose, direct and indirect adverse environmental effects the project would cause, and any other Department of the Army permits used or intended to be used to authorize any part of the proposed project or any related activity.
- (b) Delineation of special aquatic sites and other waters of the United States. Wetland delineations must be prepared in accordance with the current method required by the Corps and shall include Ecology's Wetland Rating form. Wetland rating forms are subject to review and verification by Ecology staff.

Note: Wetland rating forms are available on Ecology's Wetlands website:

<http://www.ecy.wa.gov/programs/sea/wetlands/ratingsystems> or by contacting Ecology's Federal Permit staff.

- (c) A statement describing how the mitigation requirement will be satisfied. A conceptual or detailed mitigation or restoration plan may be submitted.

Mitigation plans submitted for Ecology review and approval shall be based on the guidance provided in Wetland Mitigation in Washington State, Parts 1 and 2 (Ecology Publications #06-06-011a and #06-06-011b).

- (d) Coastal Zone Management Program "Certification of Consistency" Form if the project is located within a coastal county (Clallam, Grays Harbor, Island, Jefferson, King, Kitsap, Mason, Pacific, Pierce, San Juan, Skagit, Snohomish, Thurston, Wahkiakum, and Whatcom counties).

Note: CZM Certification of Consistency forms are available on Ecology's Federal Permit website: <http://www.ecy.wa.gov/programs/sea/fed-permit/index.html> or by contacting Ecology's Federal Permit staff.

- (e) Other applicable requirements of Corps Nationwide Permit General Condition 31, Corps Regional Conditions, or notification conditions of the applicable NWP.

*Note: Ecology has 180 days from receipt of applicable documents noted above **and** a copy of the final authorization letter from the Corps providing coverage for a proposed project or activity under the NWP Program to issue a WQC and CZM consistency determination response. If more than 180 days pass after Ecology's receipt of these documents, your requirement to obtain an individual WQC and CZM consistency determination response becomes waived.*

4. **Aquatic resources requiring special protection.** Certain aquatic resources are unique, difficult-to-replace components of the aquatic environment in Washington State. Activities that would affect these resources must be avoided to the greatest extent possible. Compensating for adverse impacts to high value aquatic resources is typically difficult, prohibitively expensive, and may not be possible in some landscape settings.

Individual 401 review is required for activities in or affecting the following aquatic resources (and not prohibited by Regional Condition 1):

- (a) Wetlands with special characteristics (as defined in the Washington State Wetland Rating Systems for western and eastern Washington, Ecology Publications #04-06-025 and #04-06-015):

- Estuarine wetlands
- Natural Heritage wetlands
- Bogs
- Old-growth and mature forested wetlands
- Wetlands in coastal lagoons
- Interdunal wetlands
- Vernal pools
- Alkali wetlands

- (b) Fens, aspen-dominated wetlands, camas prairie wetlands, and marine water with eelgrass (*Zostera marina*) beds (except for NWP 48).

- (c) Category I wetlands

- (d) Category II wetlands with a habitat score ≥ 29 points. This State General Condition does not apply to the following Nationwide Permits:

NWP 20 – Response Operations for Oil and Hazardous Substances
NWP 32 – Completed Enforcement Actions

5. **Mitigation.** For projects requiring Individual 401 review, adequate compensatory mitigation must be provided for wetland and other water quality-related impacts of projects or activities authorized under the NWP Program.

- (a) Mitigation plans submitted for Ecology review and approval shall be based on the guidance provided in Wetland Mitigation in Washington State, Parts 1 and 2 (Ecology Publications #06-06-011a and #06-06-011b) and shall, at a minimum, include the following:

- i. A description of the measures taken to avoid and minimize impacts to wetlands and other waters of the U.S.
- ii. The nature of the proposed impacts (i.e., acreage of wetlands and functions lost or degraded)
- iii. The rationale for the mitigation site that was selected
- iv. The goals and objectives of the compensatory mitigation project
- v. How the mitigation project will be accomplished, including construction sequencing, best management practices to protect water quality, proposed performance standards for measuring success and the proposed buffer widths
- vi. How it will be maintained and monitored to assess progress towards goals and objectives. Monitoring will generally be required for a minimum of five years. For forested and scrub-shrub wetlands, 10 years of monitoring will often be necessary.
- vii. How the compensatory mitigation site will be legally protected for the long term.

Refer to Wetland Mitigation in Washington State – Part 2: Developing Mitigation Plans (Ecology Publication #06-06-011b) for guidance on developing mitigation plans.

Ecology encourages the use of alternative mitigation approaches, including advance mitigation and other programmatic approaches such as mitigation banks and programmatic mitigation areas at the local level. If you are interested in proposing use of an alternative mitigation approach, consult with the appropriate Ecology regional staff person. (see <http://www.ecy.wa.gov/programs/sea/wetlands/contacts.htm>)

Information on the state wetland mitigation banking program is available on Ecology's website: <http://www.ecy.wa.gov/programs/sea/wetlands/mitigation/banking/index.html>

6. **Temporary Fills.** Individual 401 review is required for any project or activity with temporary fill in wetlands or other waters of the State for more than 90 days, unless the applicant has received written approval from Ecology.

Note: This State General Condition does not apply to projects or activities authorized under NWP 33, Temporary Construction, Access, and Dewatering

7. **Stormwater discharge pollution prevention:** All projects that involve land disturbance or impervious surfaces must implement prevention or control measures to avoid discharge of pollutants in stormwater runoff to waters of the state. For land disturbances during construction, the permittee must obtain and implement permits where required and follow Ecology's current stormwater manual.

Note: Stormwater permit information is available at Ecology's Water Quality website:

<http://www.ecy.wa.gov/programs/wq/stormwater/index.html>. Ecology's Stormwater Management and Design Manuals are available at:

<http://www.ecy.wa.gov/programs/wq/stormwater/municipal/StrmwtrMan.html>. Information is also available by contacting Ecology's Federal Permit staff.

8. **State Certification for PCNs not receiving 45-day response.** In the event the U.S. Army Corps of Engineers does not respond to a complete pre-construction notification within 45 days, the applicant must contact Ecology for Individual 401 review.

F. STATE 401 CERTIFICATION SPECIFIC CONDITIONS FOR THIS NWP:

Certified, subject to conditions. Permittee must meet Ecology 401 General Conditions. Individual 401 review is required for projects or activities authorized under this NWP if:

1. The project or activities are below the OHWM with new work being proposed outside the original footprint.
2. The proposed project or activity increases the original footprint of the structure by more than 1/10th acre in wetlands. Note 1: "Original footprint" refers to the configuration of the structure or filled area within the last two years. Note 2: This may include causing surrounding wetlands to be drained.
3. The project or activity includes adding a new structure, such as a weir, flap gate/tide gate, or culvert to the site.

G. EPA 401 CERTIFICATION GENERAL CONDITIONS:

A. Any activities in the following types of wetlands and waters of the United States will need to apply for an individual 401 certification: Mature forested wetlands, bogs, bog-like wetlands, wetlands in dunal systems along the Washington coast, coastal lagoons, vernal pools, aspen-dominated wetlands, alkali wetlands, camas prairie wetlands, estuarine wetlands, including salt marshes, and marine waters with eelgrass or kelp beds.

B. A 401 certification determination is based on the project or activity meeting established turbidity levels. The EPA will be using as guidance the state of Washington's water quality standards [WAC 173-201a] and sediment quality standards [WAC 173-204]. Projects or activities that are expected to exceed these levels or that do exceed these levels will require an individual 401 certification.

The water quality standards allow for short-term turbidity exceedances after all necessary Best Management Practices have been implemented (e.g., properly placed and maintained filter fences, hay bales and/or other erosion control devices, adequate detention of runoff to prevent turbid water from flowing off-site, providing a vegetated buffer between the activity and open water, etc.), and only up to the following limits:

Wetted Stream Width at Discharge Point	Approximate Downstream Point for Determining Compliance
Up to 30 feet	50 feet
>30 to 100 feet	100 feet
>100 feet to 200 feet	200 feet
>200 feet	300 feet
LAKE, POND, RESERVOIR	Lesser of 100 feet or maximum surface dimension

C. 401 certification of projects and activities under NWPs will use Washington State Department of Ecology's most recent stormwater manual or an EPA approved equivalent manual as guidance in meeting water quality standards.

D. For projects and activities requiring coverage under an NPDES permit, certification is based on compliance with the requirements of that permit. Projects and activities not in compliance with NPDES requirements will require individual 401 certification.

E. Individual 401 certification is required for projects or activities authorized under NWP's if the project will discharge to a waterbody on the list of impaired waterbodies (the 303(d) List) and the discharge may result in further exceedance of a specific parameter the waterbody is listed for. The EPA shall make this determination on a case-by-case basis.

For projects or activities that will discharge to a 303(d)-listed waterbody that does not have an approved Total Maximum Daily Load (TMDL) or an approved water quality management plan, the applicant must provide documentation for EPA approval showing that the discharge will not result in further exceedance of the listed contaminant or impairment.

For projects or activities that will discharge to a 303(d)-listed waterbody that does not have an approved TMDL, the applicant must provide documentation for EPA approval showing that the discharge is within the limits established in the TMDL. The current list of 303(d)-listed waterbodies in Washington State will be consulted in making this determination and is available on Ecology's web site at: www.ecy.wa.gov/programs/wq/303d/2012/index.html

The EPA may issue 401 certification for projects or activities that would result in further exceedance or impairment if mitigation is provided that would result in a net decrease in listed contaminants or less impairment in the waterbody. This determination would be made during individual 401 certification review.

F. For projects requiring individual 401 certification, applicants must provide the EPA with the same documentation provided to the Corps, (as described in Corps' National General Condition 31, Pre-Construction Notification), including, when applicable:

- (a) A description of the project, including site plans, project purpose, direct and indirect adverse environmental effects the project would cause, any other U.S. Department of the Army permits used or intended to use to authorize any part of the proposed project or any related activity.
- (b) Delineation of special aquatic sites and other waters of the United States. Wetland delineations must be prepared in accordance with the current method required by the Corps.
- (c) A statement describing how the mitigation requirement will be satisfied. A conceptual or detailed mitigation or restoration plan may be submitted.
- (d) Other applicable requirements of Corps National General Condition 31, Corps Regional Conditions, or notification conditions of the applicable NWP.

A request for individual 401 certification- review is not complete until the EPA receives the applicable documents noted above and the EPA has received a copy of the final authorization letter from the Corps providing coverage for a proposed project or activity under the NWP Program.

G. No activity, including structures and work in navigable waters of the United States or discharges of dredged or fill material, may consist of unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.) and material used for construction or discharged must be free from toxic pollutants in toxic amounts (see Section 307 of the Clean Water Act).

H. An individual 401 certification is based on adequate compensatory mitigation being provided for aquatic resource and other water quality-related impacts of projects or activities authorized under the NWP Program.

A 401 certification is contingent upon written approval from the EPA of the compensatory mitigation plan for projects and activities resulting in any of the following:

- impacts to any aquatic resources requiring special protection (as defined in EPA General Condition A or Corps General Regional Condition 1)
- any impacts to tidal waters or non-tidal waters adjacent to tidal waters (applies to NWP 14)
- Or, any impacts to aquatic resources greater than ¼ acre.

Compensatory mitigation plans submitted to the EPA shall be based on the Joint Agency guidance provided in *Wetland Mitigation in Washington State, Parts 1 and 2* (Ecology Publication #06-06-011a and #06-06-011b) and shall, at a minimum, include the following:

- (1) A description of the measures taken to avoid and minimize impacts to wetlands and other waters of the U.S.
- (2) The nature of the proposed impacts (i.e., acreage of wetlands and functions lost or degraded)
- (3) The rationale for the mitigation site that was selected
- (4) The goals and objectives of the compensatory mitigation project
- (5) How the mitigation project will be accomplished, including proposed performance standards for measuring success (including meeting planting success standard of 80 percent survival after five years), evidence for hydrology at the mitigation site, and the proposed buffer widths;
- (6) How it will be maintained and monitored to assess progress towards goals and objectives.
- (7) Completion and submittal of an “as-built conditions report” upon completion of grading, planting and hydrology establishment at the mitigation site;
- (8) Completion and submittal of monitoring reports at years 3 and 5 showing the results of monitoring for hydrology, vegetation types, and aerial cover of vegetation.
- (9) For forested and scrub-shrub wetlands, 10 years of monitoring will often be necessary.
- (10) Documentation of legal site protection mechanism (covenant or deed restriction) to show how the compensatory mitigation site will be legally protected for the long-term.

I. An individual 401 certification is required for any activity where temporary fill will remain in wetlands or other waterbodies for more than 90 days. The 90 day period begins when filling activity starts in the wetland or other waterbody.

J. An individual 401 is required for any proposed project or activity in waterbodies on the most current list of the following Designated Critical Resource Waters (per Corps General Condition 22).

K. An individual 401 certification is required for any proposed project that would increase permanent, above-grade fill within the 100-year floodplain (including the floodway and the flood fringe).

[*Note:* The 100-year floodplain is defined as those areas identified as Zones A, A1-30, AE, AH, AO, A99, V, V1-30, and VE on the most current Federal Emergency Management Agency Flood Rate Insurance Maps, or areas identified as within the 100-year floodplain on applicable local Flood Management Program maps. The 100-year flood is also known as the flood with a 100-year recurrence interval, or as the flood with an exceedance probability of 0.01.]

H. EPA 401 CERTIFICATION SPECIFIC CONDITIONS FOR THIS NWP:

Partially denied without prejudice. Permittee must meet EPA 401 General Conditions. An individual 401 certification is required for projects authorized under this NWP if:

1. The project or activity would extend beyond the original project footprint (either along the shoreline or below MHHW or OHWM), or
2. Any activity requiring excavation or dredging in open water.

I. COASTAL ZONE MANAGEMENT CONSISTENCY RESPONSE FOR THIS NWP:

Concur, subject to the following condition: When individual 401 review is triggered, a CZM Certificate of Consistency form must be submitted for project located within the 15 coastal counties (See State General 401 Condition 3 (Notification)).

APPENDIX C

State of Washington
 Department of Labor & Industries
 Prevailing Wage Section - Telephone 360-902-5335
 PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 07/18/2016

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Whitman	Asbestos Abatement Workers	Journey Level	\$36.01	<u>5D</u>	<u>1H</u>	
Whitman	Boilermakers	Journey Level	\$64.29	<u>5N</u>	<u>1C</u>	
Whitman	Brick Mason	Journey Level	\$44.94	<u>5A</u>	<u>1M</u>	
Whitman	Building Service Employees	Janitor	\$9.47		<u>1</u>	
Whitman	Building Service Employees	Shampooer	\$11.14		<u>1</u>	
Whitman	Building Service Employees	Waxer	\$9.47		<u>1</u>	
Whitman	Building Service Employees	Window Cleaner	\$9.47		<u>1</u>	
Whitman	Cabinet Makers (In Shop)	Journey Level	\$12.00		<u>1</u>	
Whitman	Carpenters	Carpenters	\$40.76	<u>5A</u>	<u>1B</u>	<u>8N</u>
Whitman	Cement Masons	Journey Level	\$39.60	<u>7B</u>	<u>1N</u>	
Whitman	Divers & Tenders	Diver	\$86.59	<u>5A</u>	<u>1B</u>	<u>8A</u>
Whitman	Divers & Tenders	Diver on Standby	\$49.87	<u>5A</u>	<u>1B</u>	
Whitman	Divers & Tenders	Diver Tender	\$48.17	<u>5A</u>	<u>1B</u>	
Whitman	Divers & Tenders	Diving Master	\$58.71	<u>5A</u>	<u>1B</u>	
Whitman	Divers & Tenders	Surface RCV & ROV Operator	\$48.17	<u>5A</u>	<u>1B</u>	
Whitman	Divers & Tenders	Surface RCV & ROV Operator Tender	\$48.17	<u>5A</u>	<u>1B</u>	
Whitman	Dredge Workers	Assistant Engineer	\$56.44	<u>5D</u>	<u>3F</u>	
Whitman	Dredge Workers	Assistant Mate (Deckhand)	\$56.00	<u>5D</u>	<u>3F</u>	
Whitman	Dredge Workers	Boatmen	\$56.44	<u>5D</u>	<u>3F</u>	
Whitman	Dredge Workers	Engineer Welder	\$57.51	<u>5D</u>	<u>3F</u>	
Whitman	Dredge Workers	Leverman, Hydraulic	\$58.67	<u>5D</u>	<u>3F</u>	
Whitman	Dredge Workers	Mates	\$56.44	<u>5D</u>	<u>3F</u>	
Whitman	Dredge Workers	Oiler	\$56.00	<u>5D</u>	<u>3F</u>	
Whitman	Drywall Applicator	Journey Level	\$40.76	<u>5A</u>	<u>1B</u>	<u>8N</u>
Whitman	Drywall Tapers	Journey Level	\$21.03		<u>1</u>	
Whitman	Electrical Fixture Maintenance Workers	Journey Level	\$9.47		<u>1</u>	
Whitman	Electricians - Inside	Journeyman	\$47.68	<u>7G</u>	<u>1E</u>	
Whitman	Electricians - Motor Shop	Craftsman	\$15.37		<u>1</u>	

Whitman	Electricians - Motor Shop	Journey Level	\$14.69		<u>1</u>	
Whitman	Electricians - Powerline Construction	Cable Splicer	\$74.92	<u>5A</u>	<u>4D</u>	
Whitman	Electricians - Powerline Construction	Certified Line Welder	\$65.71	<u>5A</u>	<u>4D</u>	
Whitman	Electricians - Powerline Construction	Groundperson	\$44.12	<u>5A</u>	<u>4D</u>	
Whitman	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$65.71	<u>5A</u>	<u>4D</u>	
Whitman	Electricians - Powerline Construction	Journey Level Lineperson	\$65.71	<u>5A</u>	<u>4D</u>	
Whitman	Electricians - Powerline Construction	Line Equipment Operator	\$55.34	<u>5A</u>	<u>4D</u>	
Whitman	Electricians - Powerline Construction	Pole Sprayer	\$65.71	<u>5A</u>	<u>4D</u>	
Whitman	Electricians - Powerline Construction	Powderperson	\$49.16	<u>5A</u>	<u>4D</u>	
Whitman	Electronic Technicians	Journey Level	\$20.80		<u>1</u>	
Whitman	Elevator Constructors	Mechanic	\$85.45	<u>7D</u>	<u>4A</u>	
Whitman	Elevator Constructors	Mechanic In Charge	\$92.35	<u>7D</u>	<u>4A</u>	
Whitman	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$9.96		<u>1</u>	
Whitman	Fence Erectors	Fence Erector	\$17.29		<u>1</u>	
Whitman	Flaggers	Journey Level	\$33.61	<u>7B</u>	<u>1M</u>	
Whitman	Glaziers	Journey Level	\$15.63		<u>1</u>	
Whitman	Heat & Frost Insulators And Asbestos Workers	Journey Level	\$22.73		<u>1</u>	
Whitman	Heating Equipment Mechanics	Journey Level	\$22.34		<u>1</u>	
Whitman	Hod Carriers & Mason Tenders	Journey Level	\$37.54	<u>7B</u>	<u>1M</u>	
Whitman	Industrial Power Vacuum Cleaner	Journey Level	\$9.47		<u>1</u>	
Whitman	Inland Boatmen	Journey Level	\$9.47		<u>1</u>	
Whitman	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$9.73		<u>1</u>	
Whitman	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$11.48		<u>1</u>	
Whitman	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$12.78		<u>1</u>	
Whitman	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$9.47		<u>1</u>	
Whitman	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$10.53		<u>1</u>	
Whitman	Insulation Applicators	Journey Level	\$40.76	<u>5A</u>	<u>1B</u>	<u>8N</u>
Whitman	Ironworkers	Journeyman	\$56.20	<u>7N</u>	<u>1O</u>	
Whitman	Laborers	Air And Hydraulic Track Drill	\$36.25	<u>7B</u>	<u>1M</u>	

Whitman	Laborers	Asphalt Raker	\$36.25	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Asphalt Roller, Walking	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Brick Pavers	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Brush Hog Feeder	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Brush Machine	\$36.25	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Caisson Worker, Free Air	\$36.25	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Carpenter Tender	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Cement Finisher Tender	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Cement Handler	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Chain Saw Operator & Faller	\$36.25	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Clean-up Laborer	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Compaction Equipment	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Concrete Crewman	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Concrete Saw, Walking	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Concrete Signalman	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Concrete Stack	\$36.25	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Confined Space Attendant	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Crusher Feeder	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Demolition	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Demolition Torch	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Dope Pot Fireman, Non-mechanical	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Driller Helper (when Required To Move & Position Machine)	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Drills With Dual Masts	\$36.53	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Dry Stack Walls	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Dumpman	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Erosion Control Laborer	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Final Detail Cleanup (i.e., Dusting, Vacuuming, Window Cleaning; Not Construction Debris Cleanup)	\$33.61	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Firewatch	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Form Cleaning Machine Feeder, Stacker	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Form Setter, Paving	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	General Laborer	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Grade Checker	\$38.24	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Grout Machine Header Tender	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Guard Rail	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Gunite	\$36.25	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Hazardous Waste Worker (level A)	\$36.53	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Hazardous Waste Worker (level B)	\$36.25	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Hazardous Waste Worker (level C)	\$35.49	<u>7B</u>	<u>1M</u>	

Whitman	Laborers	Hazardous Waste Worker (level D)	\$35.71	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Hdpe Or Similar Liner Installer	\$35.71	<u>7B</u>	<u>1M</u>
Whitman	Laborers	High Scaler	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Jackhammer Operator Miner, Class "b"	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Laser Beam Operator	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Miner, Class "a"	\$35.71	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Miner, Class "c"	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Miner, Class "d"	\$36.53	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Monitor Operator, Air Track Or Similar Mounting	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Mortar Mixer	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Nipper	\$35.71	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Nozzleman	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Nozzleman, Water (to Include Fire Hose), Air Or Steam	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Pavement Breaker, 90 Lbs. & Over	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Pavement Breaker, Under 90 Lbs.	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Pipelayer	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Pipelayer, Corrugated Metal Culvert And Multi-plate	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Pipewrapper	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Plasterer Tenders	\$36.25	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Pot Tender	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Powderman	\$37.90	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Powderman Helper	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Power Buggy Operator	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Power Tool Operator, Gas, Electric, Pneumatic	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Railroad Equipment, Power Driven, Except Dual Mobile	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Railroad Power Spiker Or Puller, Dual Mobile	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Remote Equipment Operator	\$36.53	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Remote Equipment Operator (i.e. Compaction And Demolition)	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Rigger/signal Person	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Riprap Person	\$35.71	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Rodder & Spreader	\$35.49	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Sandblast Tailhoseman	\$35.71	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Scaffold Erector, Wood Or Steel	\$35.71	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Stake Jumper	\$35.71	<u>7B</u>	<u>1M</u>
Whitman	Laborers	Structural Mover	\$35.71	<u>7B</u>	<u>1M</u>

Whitman	Laborers	Tailhoseman (water Nozzle)	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Timber Bucker & Faller (by Hand)	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Track Laborer (rr)	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Traffic Control Laborer	\$33.61	<u>7B</u>	<u>1M</u>	<u>8T</u>
Whitman	Laborers	Traffic Control Supervisor	\$34.61	<u>7B</u>	<u>1M</u>	<u>8S</u>
Whitman	Laborers	Trencher, Shawnee	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Trenchless Technology Technician	\$36.25	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Truck Loader	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Tugger Operator	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Vibrators, All	\$36.25	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Wagon Drills	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Water Pipe Liner	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Welder, Electric, Manual Or Automatic (hdpe Or Similar Pipe And Liner)	\$36.53	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Well-point Person	\$35.71	<u>7B</u>	<u>1M</u>	
Whitman	Laborers	Wheelbarrow, Power Driven	\$35.49	<u>7B</u>	<u>1M</u>	
Whitman	Laborers - Underground Sewer & Water	All Classifications	\$24.26		<u>1</u>	
Whitman	Landscape Construction	Irrigation Or Lawn Sprinkler Installers	\$9.47		<u>1</u>	
Whitman	Landscape Construction	Landscape Equipment Operators Or Truck Drivers	\$9.47		<u>1</u>	
Whitman	Landscape Construction	Landscaping Or Planting Laborers	\$9.47		<u>1</u>	
Whitman	Lathers	Journey Level	\$40.76	<u>5A</u>	<u>1B</u>	<u>8N</u>
Whitman	Marble Setters	Journey Level	\$44.94	<u>5A</u>	<u>1M</u>	
Whitman	Metal Fabrication (In Shop)	Fitter	\$12.76		<u>1</u>	
Whitman	Metal Fabrication (In Shop)	Laborer	\$9.47		<u>1</u>	
Whitman	Metal Fabrication (In Shop)	Machine Operator	\$12.66		<u>1</u>	
Whitman	Metal Fabrication (In Shop)	Painter	\$10.20		<u>1</u>	
Whitman	Metal Fabrication (In Shop)	Welder	\$12.76		<u>1</u>	
Whitman	Millwright	Journey Level	\$56.35	<u>5A</u>	<u>1B</u>	<u>8N</u>
Whitman	Modular Buildings	Journey Level	\$9.47		<u>1</u>	
Whitman	Painters	Journey Level	\$30.72	<u>6Z</u>	<u>1W</u>	
Whitman	Pile Driver	Journey Level	\$41.80	<u>5A</u>	<u>1B</u>	<u>8N</u>
Whitman	Plasterers	Journey Level	\$39.28	<u>7K</u>	<u>1N</u>	
Whitman	Playground & Park Equipment Installers	Journey Level	\$9.47		<u>1</u>	
Whitman	Plumbers & Pipefitters	Journey Level	\$59.35	<u>7E</u>	<u>1J</u>	
Whitman	Power Equipment Operators	Journey Level	\$17.00		<u>1</u>	
Whitman	Power Equipment Operators-Underground Sewer & Water	Journey Level	\$28.54		<u>1</u>	
Whitman	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$45.75	<u>5A</u>	<u>4A</u>	
Whitman		Spray Person	\$43.38	<u>5A</u>	<u>4A</u>	

	Power Line Clearance Tree Trimmers				
Whitman	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$45.75	<u>5A</u>	<u>4A</u>
Whitman	Power Line Clearance Tree Trimmers	Tree Trimmer	\$40.84	<u>5A</u>	<u>4A</u>
Whitman	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$30.74	<u>5A</u>	<u>4A</u>
Whitman	Refrigeration & Air Conditioning Mechanics	Journey Level	\$17.34		<u>1</u>
Whitman	Residential Brick Mason	Journey Level	\$44.94	<u>5A</u>	<u>1M</u>
Whitman	Residential Carpenters	Journey Level	\$14.30		<u>1</u>
Whitman	Residential Cement Masons	Journey Level	\$12.57		<u>1</u>
Whitman	Residential Drywall Applicators	Journey Level	\$19.85		<u>1</u>
Whitman	Residential Drywall Tapers	Journey Level	\$21.03		<u>1</u>
Whitman	Residential Electricians	Journey Level	\$16.28		<u>1</u>
Whitman	Residential Glaziers	Journey Level	\$16.04		<u>1</u>
Whitman	Residential Insulation Applicators	Journey Level	\$9.47		<u>1</u>
Whitman	Residential Laborers	Journey Level	\$19.74		<u>1</u>
Whitman	Residential Marble Setters	Journey Level	\$44.94	<u>5A</u>	<u>1M</u>
Whitman	Residential Painters	Journey Level	\$11.08		<u>1</u>
Whitman	Residential Plumbers & Pipefitters	Journey Level	\$16.97		<u>1</u>
Whitman	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$9.47		<u>1</u>
Whitman	Residential Sheet Metal Workers	Journey Level (Field or Shop)	\$14.66		<u>1</u>
Whitman	Residential Soft Floor Layers	Journey Level	\$15.50		<u>1</u>
Whitman	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$9.47		<u>1</u>
Whitman	Residential Stone Masons	Journey Level	\$44.94	<u>5A</u>	<u>1M</u>
Whitman	Residential Terrazzo Workers	Journey Level	\$15.95		<u>1</u>
Whitman	Residential Terrazzo/Tile Finishers	Journey Level	\$13.87		<u>1</u>
Whitman	Residential Tile Setters	Journey Level	\$15.95		<u>1</u>
Whitman	Roofers	Journey Level	\$36.43	<u>5I</u>	<u>1R</u>
Whitman	Roofers	Using Irritable Bituminous Materials	\$38.43	<u>5I</u>	<u>1R</u>
Whitman	Sheet Metal Workers	Journey Level (Field or Shop)	\$57.01	<u>6Z</u>	<u>1B</u>
Whitman	Sign Makers & Installers (Electrical)	Journey Level	\$13.91		<u>1</u>
Whitman	Sign Makers & Installers (Non-Electrical)	Journey Level	\$13.91		<u>1</u>
Whitman	Soft Floor Layers	Journey Level	\$15.79		<u>1</u>
Whitman	Solar Controls For Windows	Journey Level	\$9.47		<u>1</u>
Whitman	Sprinkler Fitters (Fire Protection)	Journey Level	\$50.95	<u>7J</u>	<u>1R</u>

Whitman	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.23		1	
Whitman	Stone Masons	Journey Level	\$44.94	5A	1M	
Whitman	Street And Parking Lot Sweeper Workers	Journey Level	\$14.00		1	
Whitman	Surveyors	Chain Person	\$9.47	Null	1	
Whitman	Surveyors	Instrument Person	\$12.05	Null	1	
Whitman	Surveyors	Party Chief	\$15.05	Null	1	
Whitman	Telecommunication Technicians	Journey Level	\$17.39		1	
Whitman	Telephone Line Construction - Outside	Cable Splicer	\$37.60	5A	2B	
Whitman	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$20.79	5A	2B	
Whitman	Telephone Line Construction - Outside	Installer (Repairer)	\$36.02	5A	2B	
Whitman	Telephone Line Construction - Outside	Special Aparatus Installer I	\$37.60	5A	2B	
Whitman	Telephone Line Construction - Outside	Special Apparatus Installer II	\$36.82	5A	2B	
Whitman	Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	\$37.60	5A	2B	
Whitman	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$34.94	5A	2B	
Whitman	Telephone Line Construction - Outside	Telephone Lineperson	\$34.93	5A	2B	
Whitman	Telephone Line Construction - Outside	Television Groundperson	\$19.73	5A	2B	
Whitman	Telephone Line Construction - Outside	Television Lineperson/Installer	\$26.31	5A	2B	
Whitman	Telephone Line Construction - Outside	Television System Technician	\$31.50	5A	2B	
Whitman	Telephone Line Construction - Outside	Television Technician	\$28.23	5A	2B	
Whitman	Telephone Line Construction - Outside	Tree Trimmer	\$34.93	5A	2B	
Whitman	Terrazzo Workers	Journey Level	\$38.14	5A	1M	
Whitman	Tile Setters	Journey Level	\$38.14	5A	1M	
Whitman	Tile, Marble & Terrazzo Finishers	Journey Level	\$30.90	5A	1M	
Whitman	Traffic Control Stripers	Journey Level	\$43.73	7A	1K	
Whitman	Truck Drivers	Asphalt Mix Over 20 Yards (E.WA-690)	\$40.20	5D	1V	8M
Whitman	Truck Drivers	Asphalt Mix To 20 Yards (E. WA - 690)	\$40.07	5D	1V	8M
Whitman	Truck Drivers	Dump Truck	\$19.45		1	
Whitman	Truck Drivers	Dump Truck And Trailer	\$19.45		1	
Whitman	Truck Drivers	Other Trucks	\$27.84		1	
Whitman	Truck Drivers	Transit Mixer	\$17.75		1	
Whitman		Irrigation Pump Installer	\$13.92		1	

	Well Drillers & Irrigation Pump Installers				
Whitman	Well Drillers & Irrigation Pump Installers	Oiler	\$9.47		<u>1</u>
Whitman	Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00		<u>1</u>

Benefit Code Key – Effective 3/2/2016 thru 8/30/2016

Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
 - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
 - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
 - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
- P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
- S. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays and all other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.
- W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.
- Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.
- Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.
 - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
 - G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.
 - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
 - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
 - W. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
 - C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

Overtime Codes Continued

3.
 - D. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 15% over the hourly rate of wage. All other hours worked after 6:00 am on Saturdays, shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
 - F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
 - I. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions during a five day work week (Monday through Friday,) or a four day-ten hour work week (Tuesday through Friday,) then Saturday may be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
 - B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.
 - C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

Overtime Codes Continued

4. D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:

On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

- E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

Benefit Code Key – Effective 3/2/2016 thru 8/30/2016

Holiday Codes Continued

5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and a Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).

Holiday Codes Continued

6. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

8. A. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -\$2.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -\$3.00 per Foot for Each Foot Over 100 Feet
Over 150' To 220' -\$4.00 per Foot for Each Foot Over 150 Feet
Over 220' -\$5.00 per Foot for Each Foot Over 220 Feet

Note Codes Continued

8. C. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:
Over 50' To 100' -\$1.00 per Foot for Each Foot Over 50 Feet
Over 100' To 150' -\$1.50 per Foot for Each Foot Over 100 Feet
Over 150' To 200' -\$2.00 per Foot for Each Foot Over 150 Feet
Over 200' -Divers May Name Their Own Price
- D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, And Class D Suit \$0.50.
- Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.
- R. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.

**Washington State Department of Labor and Industries
Policy Statement
(Regarding the Production of "Standard" or "Non-standard" Items)**

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.
2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.
3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.
4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.
5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.
6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

**WSDOT's
Predetermined List for
Suppliers - Manufactures - Fabricator**

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered non-standard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

ITEM DESCRIPTION	YES	NO
1. Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		X
2. Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		X
3. Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		X
4. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		X
5. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		X
6. Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		X
7. Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		X

ITEM DESCRIPTION	YES	NO
8. Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		X
9. Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	X	
10. Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	X	
11. Minor Structural Steel Fabrication - Fabrication of minor steel items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contract Plans for item description and shop drawings.	X	
12. Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		X
13. Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..	X	
14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		X
15. Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		X
16. Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		X

ITEM DESCRIPTION	YES	NO
17. Precast Concrete Inlet - with adjustment sections, See Std. Plans		X
18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		X
19. Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		X
20. Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		X
21. Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		X
22. Vault Risers - For use with Valve Vaults and Utilities Vaults.		X
23. Valve Vault - For use with underground utilities. See Contract Plans for details.		X
24. Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		X
25. Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	X	
26. Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	X	

ITEM DESCRIPTION	YES	NO
27. Precast Railroad Crossings - Concrete Crossing Structure Slabs.	X	
28. 12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
29. Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
30. Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
31. Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	X	
32. Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
33. Monument Case and Cover See Std. Plan.		X

ITEM DESCRIPTION	YES	NO
34. Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
35. Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	X	
36. Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
37. Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		X
38. Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	X	
39. Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Special Provisions for pre-approved drawings.	X	
40. Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	X	
41. Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		X

ITEM DESCRIPTION	YES	NO
42. Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. NOTE: *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	X	X
	Custom Message	Std Signing Message
43. Cutting & bending reinforcing steel		X
44. Guardrail components	X	X
	Custom End Sec	Standard Sec
45. Aggregates/Concrete mixes	Covered by WAC 296-127-018	
46. Asphalt	Covered by WAC 296-127-018	
47. Fiber fabrics		X
48. Electrical wiring/components		X
49. treated or untreated timber pile		X
50. Girder pads (elastomeric bearing)	X	
51. Standard Dimension lumber		X
52. Irrigation components		X

ITEM DESCRIPTION	YES	NO
53. Fencing materials		X
54. Guide Posts		X
55. Traffic Buttons		X
56. Epoxy		X
57. Cribbing		X
58. Water distribution materials		X
59. Steel "H" piles		X
60. Steel pipe for concrete pile casings		X
61. Steel pile tips, standard		X
62. Steel pile tips, custom	X	

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW [39.12.010](#)
(The definition of "locality" in RCW [39.12.010\(2\)](#) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.)

WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries. The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects. When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Building Service Employees
- Electrical Fixture Maintenance Workers
- Electricians - Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers - Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators - Underground Sewer & Water
- Residential *** ALL ASSOCIATED RATES ***
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

**Washington State Department of Labor and Industries
Policy Statements
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)**

WAC 296-127-018 Agency filings affecting this section

Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]

APPENDIX D

PROPOSAL

Bidder

To: Board of County Commissioners, Whitman County Courthouse, Colfax, WA
99111

Commissioners:

The undersigned hereby certify that they have examined the location of the SAND ROAD: C.R.P. No. 9060-5 located on Sand Road from milepost 2.53 to 6.36, and have read and thoroughly understand the plans, specifications and special provisions concerning the work described in this project.

The undersigned further understand the method by which payment will be made for said work, and hereby propose to undertake and complete the work described in this project, or as much thereof as can be completed with the monies available, in accordance with the said plans, specifications and special provisions and the following schedule of rates and prices:

SCHEDULE OF ITEMS

NOTE: Unit prices for all items (unless filled in by Contracting Agency), all extensions, and total amount of bid shall be shown. All entries must be in legible figures (not words) and typed or entered in ink.

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	PRICE PER UNIT	TOTAL PRICE
1.	MOBILIZATION	1	L.S.	LUMP SUM	
2.	CLEARING AND GRUBBING	1	L.S.	LUMP SUM	
3.	REMOVAL OF STRUCTURE AND OBSTRUCTION	1	L.S.	LUMP SUM	
4.	ROADWAY EXCAVATION INCL. HAUL	53,520	C.Y.		
5.	EMBANKMENT COMPACTION	8,525	C.Y.		
6.	CRUSHED SURFACING TOP COURSE IN STOCKPILE	12,500	TON		
7.	CRUSHED SCREENING 3/8 IN STOCKPILE	1,000	TON		

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	PRICE PER UNIT	TOTAL PRICE
8.	PLAIN ST. CULV. PIPE 0.064 IN. TH. 18 IN. DIAM.	190	L.F.		
9.	PLAIN ST. CULV. PIPE 0.064 IN. TH. 24 IN. DIAM.	246	L.F.		
10.	PLAIN ST. CULV. APPROACH PIPE 0.064 IN. TH. 18 IN. DIAM.	210	L.F.		
11.	SHOT ROCK EMBANKMENT COMPACTION	7,800	TON		
12.	CRUSHED SURFACING BASE COURSE	22,987	TON		
13.	CRUSHED SURFACING TOP COURSE	21,925	TON		
14.	SAWCUT EXISTING PAVEMENT	54	L.F.		
15.	SILT FENCE	9,460	L.F.		
16.	ESC LEAD	20	DAY		
17.	SEEDING, FERTILIZING, AND MULCHING	7	ACRE		
18.	BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST	2,550	L.F.		
19.	BEAM GUARDRAIL TYPE 31 - 11 FT. LONG POST	2,706	L.F.		
20.	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	14	EACH		
21.	BEAM GUARDRAIL TYPE 31	75	L.F.		
22.	PROJECT TEMPORARY TRAFFIC CONTROL	1	L.S.	LUMP SUM	
23.	CONSTRUCTION SIGNS CLASS A	451	S.F.		
24.	STRUCTURE EXCAVATION CLASS B INCL. HAUL	171	C.Y.		
25.	WATER	3,000	MGAL		
26.	ROADWAY SURVEYING	1	L.S.	LUMP SUM	
27.	ROADSIDE CLEANUP	1	L.S.	LUMP SUM	
28.	TRIMMING AND CLEANUP	1	L.S.	LUMP SUM	
29.	CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION	5,900	S.Y.		
30.	SPCC PLAN	1	L.S.	LUMP SUM	
31.	REMOVE EXISTING MAILBOX	9	EACH		
32.	RESET EXISTING MAILBOX	9	EACH		
BASIS OF AWARD: TOTAL BID ITEMS 1-32					

Local Agency Name Whitman County
Local Agency Address

Local Agency Subcontractor List

Prepared in compliance with RCW 39.30.060 as amended

To Be Submitted with the Bid Proposal

Project Name _____

Failure to list subcontractors with whom the bidder, if awarded the contract, will directly subcontract for performance of the work of heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical, as described in Chapter 19.28 RCW or naming more than one subcontractor to perform the same work will result in your bid being non-responsive and therefore void.

Subcontractor(s) with whom the bidder will directly subcontract that are proposed to perform the work of heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW **must** be listed below. The work to be performed is to be listed below the subcontractor(s) name.

To the extent the Project includes one or more categories of work referenced in RCW 39.30.060, and no subcontractor is listed below to perform such work, the bidder certifies that the work will either (i) be performed by the bidder itself, or (ii) be performed by a lower tier subcontractor who will not contract directly with the bidder.

Subcontractor Name _____
 Work to be Performed _____

Subcontractor Name _____
 Work to be Performed _____

Subcontractor Name _____
 Work to be Performed _____

Subcontractor Name _____
 Work to be Performed _____

Subcontractor Name _____
 Work to be Performed _____

* Bidder's are notified that is the opinion of the enforcement agency that PVC or metal conduit, junction boxes, etc, are considered electrical equipment and therefore considered part of electrical work, even if the installation is for future use and no wiring or electrical current is connected during the project.

Local Agency Proposal - Signature Page

The bidder is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

A proposal guaranty in an amount of five percent (5%) of the total bid, based upon the approximate estimate of quantities at the above prices and in the form as indicated below is attached hereto:

- Cash In the Amount of _____
- Cashier's Check _____ Dollars
- Certified Check (\$ _____) Payable to the Agency
- Proposal Bond In the Amount of 5% of the Bid

Receipt is hereby acknowledged of addendum(s) No.(s) _____ , _____ & _____

Signature of Authorized Official(s)

Proposal Must be Signed 

Firm Name

Address

State of Washington Contractor's License No. _____

Federal ID No. _____

Note:

- (1) This proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Whitman County will be cause for considering the proposal irregular and subsequent rejection of the bid.
- (2) Please refer to section 1-02.6 of the standard specifications, re: "Preparation of Proposal," or "Article 4" of the Instruction to Bidders for building construction jobs.

**SUBMIT THE
ENCLOSED PROPOSAL
BOND FORM WITH
YOUR PROPOSAL.**

**USE OF OTHER FORMS
MAY SUBJECT YOUR
BID TO REJECTION.**

**NOTE: Use of other forms may limit
the bond below an amount equal
to five percent of the bid total.**

Local Agency Proposal Bond

KNOW ALL MEN BY THESE PRESENTS, That we,

of _____ as principal, and the

a corporation duly organized under the laws of the state of _____, and

authorized to do business in the State of Washington, as surety, are held and firmly bound unto the State of Washington in the full and penal sum of five (5) percent of the total amount of the bid proposal of said principal for the work hereinafter described, for the payment of which, well and truly to be made, we bind our heirs, executors, administrators and assigns, and successors and assigns, firmly by these presents.

The condition of this bond is such, that whereas the principal herein is herewith submitting his or its sealed proposal for the following highway construction, to wit:

said bid and proposal, by reference thereto, being made a part hereof.

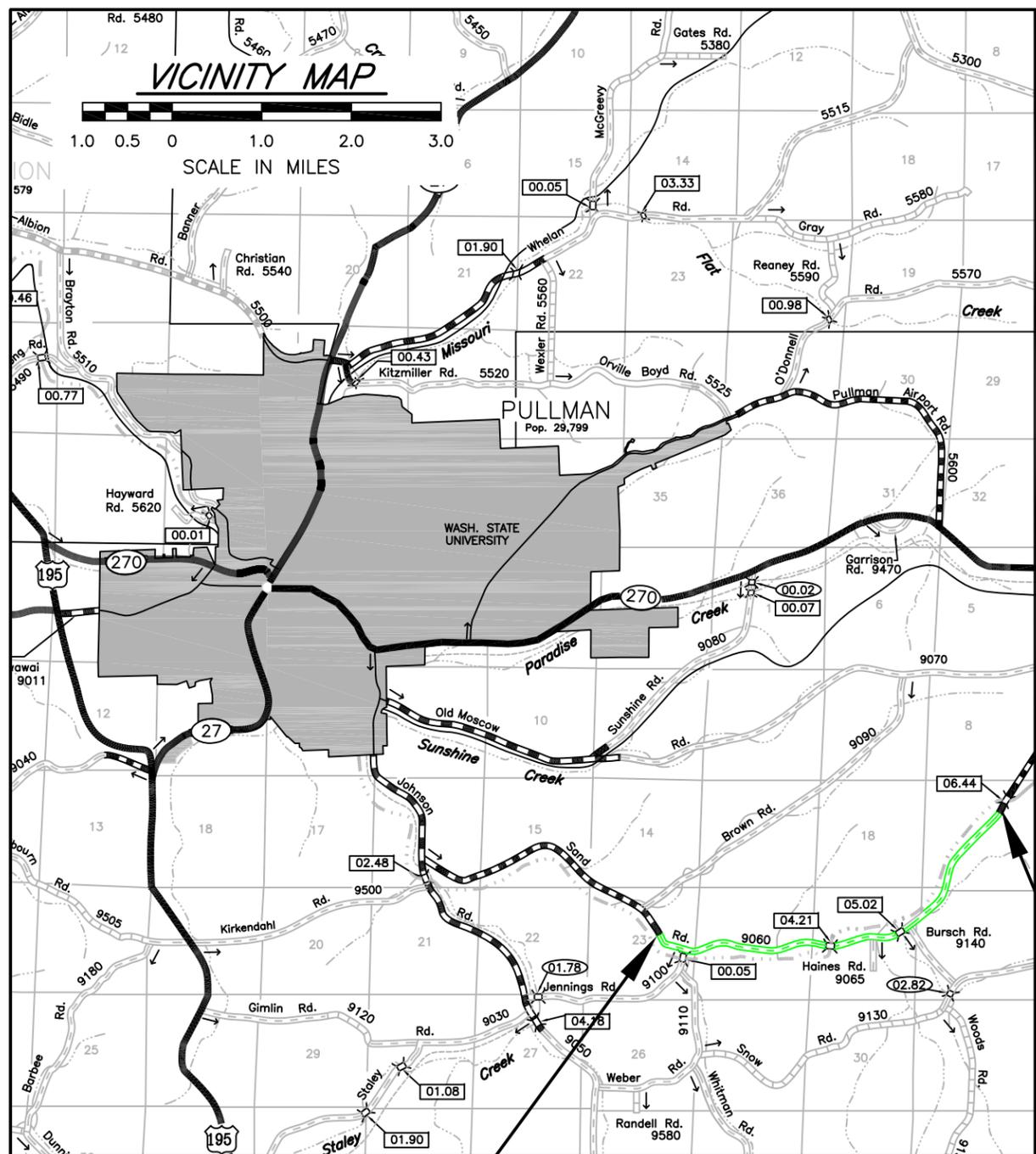
NOW, THEREFORE, If the said proposal bid by said principal be accepted, and the contract be awarded to said principal, and if said principal shall duly make and enter into and execute said contract and shall furnish bond as required by the Whitman County within a period of twenty (20) days from and after said award, exclusive of the day of such award, then this obligation shall be null and void, otherwise it shall remain and be in full force and effect.

IN TESTIMONY WHEREOF, The principal and surety have caused these presents to be signed and sealed this _____ day of _____, _____.

(Principal)

(Surety)

(Attorney-in-fact)



WHITMAN COUNTY COMMISSIONERS
 District 1 - Art Swannack
 District 2 - Dean Kinzer
 District 3 - Michael Largent

INDEX TO DRAWINGS

1. VICINITY MAP, DRAWING INDEX & LEGEND
2. TYPICAL ROAD SECTION
3. TRANSITION SECTIONS
4. APPROACH DETAILS
5. SUMMARY OF ESTIMATED QUANTITIES
6. PLAN AND PROFILE STA. 38+00 TO STA. 48+00
7. PLAN AND PROFILE STA. 48+00 TO STA. 63+00
8. PLAN AND PROFILE STA. 63+00 TO STA. 76+00
9. PLAN AND PROFILE STA. 76+00 TO STA. 89+00
10. PLAN AND PROFILE STA. 89+00 TO STA. 103+00
11. PLAN AND PROFILE STA. 103+00 TO STA. 117+00
12. PLAN AND PROFILE STA. 117+00 TO STA. 130+00
13. PLAN AND PROFILE STA. 130+00 TO STA. 143+00
14. PLAN AND PROFILE STA. 143+00 TO STA. 158+00
15. PLAN AND PROFILE STA. 158+00 TO STA. 171+00
16. PLAN AND PROFILE STA. 171+00 TO STA. 184+00
17. PLAN AND PROFILE STA. 184+00 TO STA. 198+00
18. PLAN AND PROFILE STA. 198+00 TO STA. 212+00
19. PLAN AND PROFILE STA. 212+00 TO STA. 225+00
20. PLAN AND PROFILE STA. 225+00 TO STA. 238+00
21. PLAN AND PROFILE STA. 238+00 TO STA. 249+00
22. PLAN AND PROFILE APPROACHES 47+50 RT. & 58+30 RT.
23. STRUCTURE NOTES
24. TEMPORARY EROSION & SEDIMENT CONTROL
25. MATERIAL SOURCE & ROADWAY OBLITERATION DETAIL
26. SIGN PLAN SHEET 1
27. SIGN PLAN SHEET 2
28. SIGN PLAN SHEET 3
29. SIGN PLAN SHEET 4
30. RIGHT-OF-WAY PLAN STA. 10+00 TO STA. 43+00
31. RIGHT-OF-WAY PLAN STA. 43+00 TO STA. 75+00
32. RIGHT-OF-WAY PLAN STA. 75+00 TO STA. 113+00
33. RIGHT-OF-WAY PLAN STA. 113+00 TO STA. 146+00
34. RIGHT-OF-WAY PLAN STA. 146+00 TO STA. 179+00
35. RIGHT-OF-WAY PLAN STA. 179+00 TO STA. 213+00
36. RIGHT-OF-WAY PLAN STA. 213+00 TO STA. 243+00
37. RIGHT-OF-WAY PLAN STA. 243+00 TO STA. 249+32.65

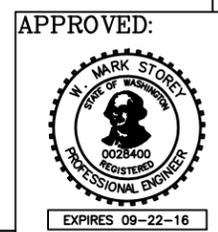
STA. 241+25

NOTES:

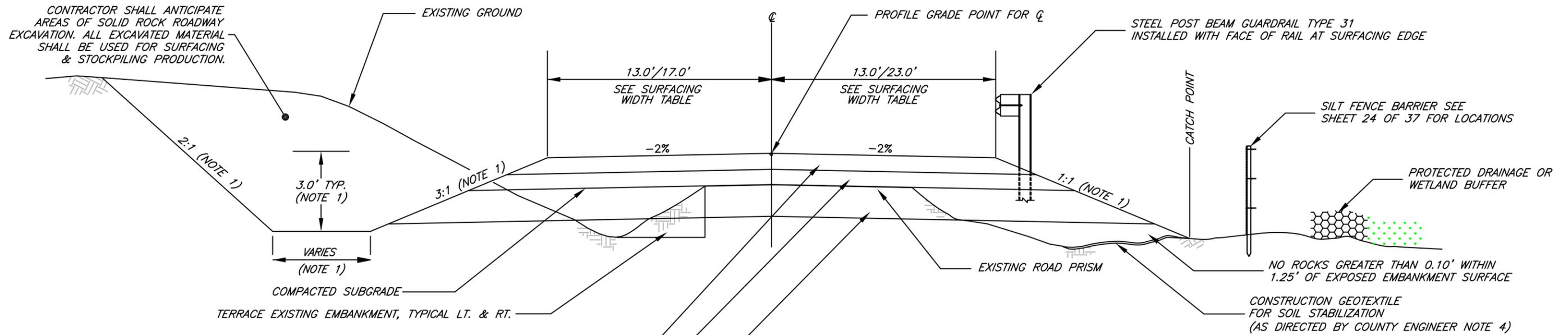
1. PROJECT DATUM: CONTROL POINT NO. 1 ELEVATION OF 2518.81 FEET
A FULL LIST OF CONTRACTING AGENCY CONTROL DATA WILL BE PROVIDED.
2. ALL UTILITY LOCATIONS AS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE.
UTILITY LOCATES MUST BE DONE PRIOR TO ANY WORK.
3. SEE REMOVAL OF STRUCTURE AND OBSTRUCTION IN THE SPECIAL PROVISIONS FOR THE LOCATIONS OF ITEMS TO BE REMOVED.
4. SEEDING SHALL BE PERFORMED AS SOON AS INSLOPE AND BACKSLOPE WORK IS COMPLETED.
5. ALL SILT FENCE AND HIGH VISIBILITY FENCE SHALL BE IN PLACE PRIOR TO SOIL DISTURBANCE.
6. CONTRACTOR SHALL COORDINATE WITH WORK TO BE DONE BY OTHER AGENCIES AND ACCOMMODATE COUNTY FORCES WORK BEING DONE AT EDMONDSON AND SNOW BRIDGES.

LEGEND

- EXISTING CENTER LINE
- EXISTING RIGHT-OF-WAY
- EXISTING BUILDING
- EXISTING SHOULDER
- EXISTING UNDERGROUND GAS LINE
- EXISTING FENCE
- EXISTING UNDERGROUND TELEPHONE
- EXISTING UNDERGROUND FIBER
- EXISTING UNDERGROUND POWER
- EXISTING FENCE POST
- EXISTING TELEPHONE PEDESTAL
- EXISTING POWER PEDESTAL
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE ANCHOR
- EXISTING HOSE BIB
- EXISTING WATER VALVE OR SPRINKLER
- EXISTING MAILBOX
- EXISTING SIGN AND POST
- EXISTING DECIDUOUS TREE
- EXISTING CONIFER TREE
- EXISTING SHRUB
- SURVEY MARKER
- CONTROL POINT
- IRON PIN
- SECTION CORNER
- 1/4 CORNER
- CENTER SECTION
- SECTION LINE
- CITY LIMITS
- PROPERTY LINE
- PROPOSED CENTERLINE
- PROPOSED CUT/FILL LINE
- PROPOSED EDGE OF SURFACING
- NEWLY ACQUIRED RIGHT-OF-WAY
- CONSTRUCTION EASEMENT LINE



<table border="1"> <tr> <td>No.</td> <td>Date</td> <td>By</td> <td>Ckd.</td> <td>Appr.</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="5" style="text-align: center;">Revision</td> </tr> </table>					No.	Date	By	Ckd.	Appr.						Revision					Drawn By: J. MARSHALL Date: 03/2016 Designed By: M. STOREY Checked By: M. STOREY Date: 03/2016	SCALE HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN	WHITMAN COUNTY ENGINEER 310 N. MAIN ST. COLFAX WA. 99111 (509) 397-6206	PLANS PREPARED UNDER THE DIRECTION OF: MARK STOREY, P.E. COUNTY ENGINEER Date: 03/2016	COUNTY ROAD PROJECT NO. 9060-5 VICINITY MAP, DRAWING INDEX & LEGEND SAND ROAD	SHEET 1 OF 37
No.	Date	By	Ckd.	Appr.																					
Revision																									



0.50' COMPACTED CRUSHED SURFACING TOP COURSE (CSTC)
 0.50' COMPACTED CRUSHED SURFACING BASE COURSE (CSBC)

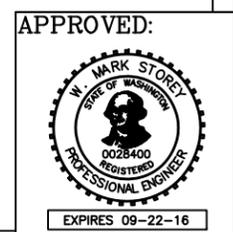
ADDITIONAL 2.0' COMPACTED SHOT ROCK EMBANKMENT COMPACTION WITH CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION IN LOCATIONS DESIGNATED ON THE TRANSITION SECTIONS DETAIL SHEET 3 OF 37.

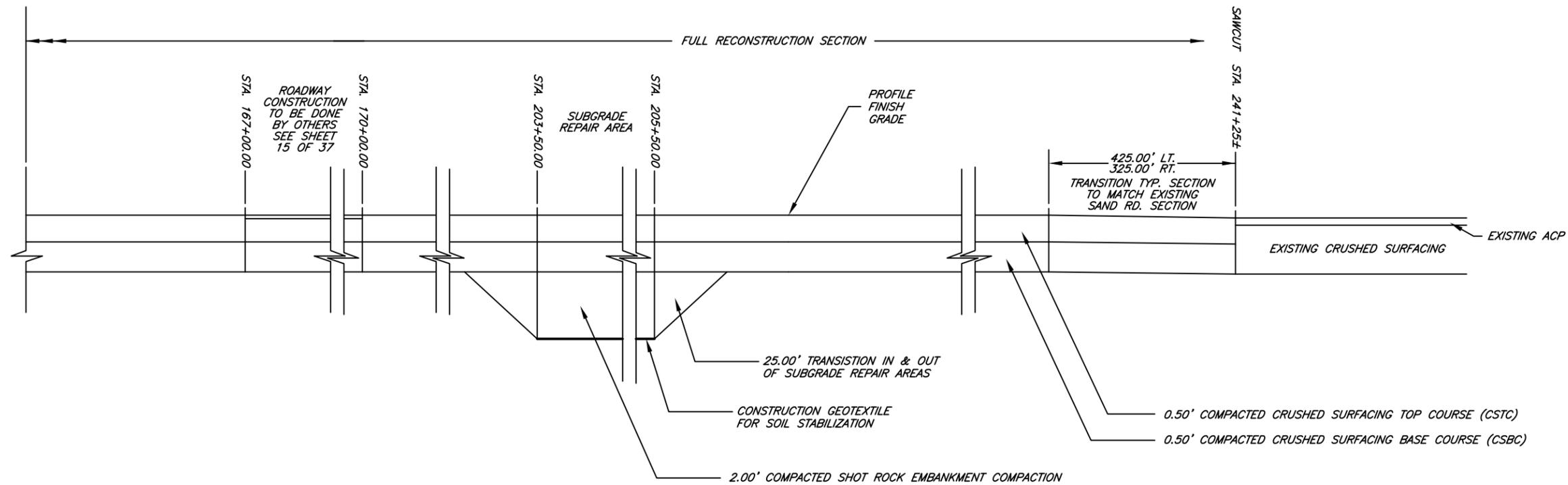
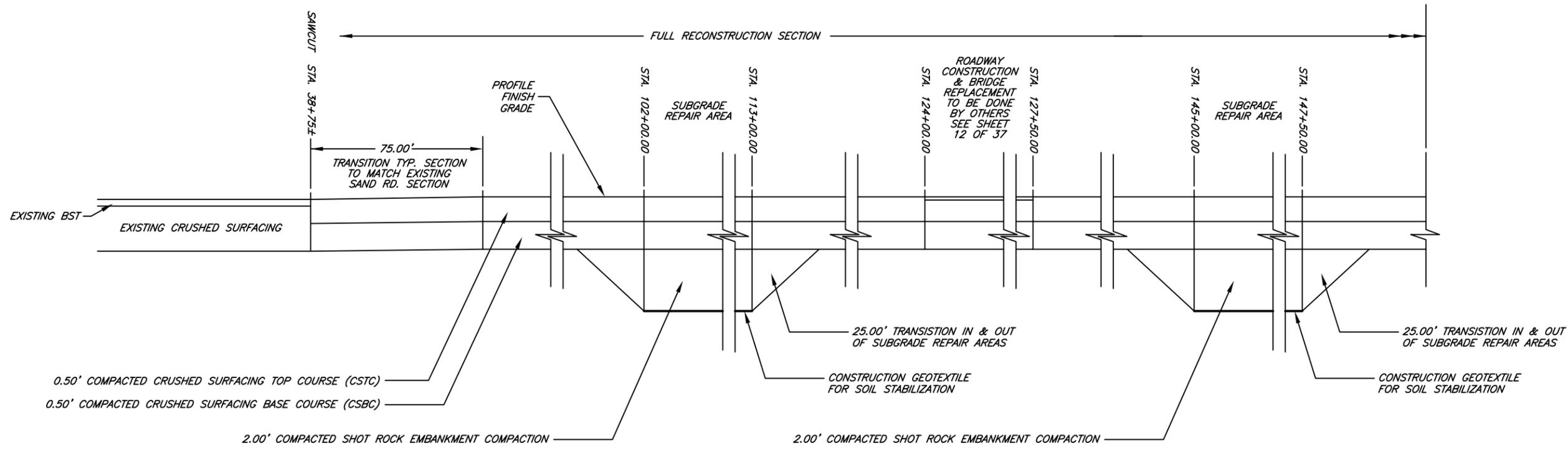
TYPICAL ROAD SECTION - N.T.S.

- NOTES:
1. INSLOPES, BACKSLOPES, AND DITCH DEPTHS MAY VARY, DETAILED CROSS SECTIONS ARE AVAILABLE.
 2. CONTRACTOR SHALL NOT TERRACE MORE EMBANKMENT THAN CAN BE FILLED IN THE SAME DAY'S OPERATION.
 3. CONTRACTOR SHALL NOT PLACE MORE SHOT ROCK EMBANKMENT THAN CAN BE COVERED WITH 0.2' MIN. OF CRUSHED SURFACING BASE COURSE (CSBC) IN THE SAME DAY'S OPERATION.
 4. CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION MAY BE REQUIRED TO STABILIZE SOME SHOULDER FILLS.
 5. ALL DESIGN SUBSURFACES ARE PARALLEL TO THE FINISH SURFACE.
 6. UPON COMPLETION OF ALL OTHER CONSTRUCTION ACTIVITIES SILT FENCE MAY BE REMOVED IN LOCATIONS NEEDED TO INSTALL STEEL POST BEAM GUARDRAIL TYPE 31.

SURFACING WIDTH		
LEFT	CENTERLINE STATION	RIGHT
13.00'	POT 39+00.00	13.00'
13.00'	POC 110+75.00	13.00'
13.00'	POC 111+25.00	15.00'
13.00'	POC 112+00.00	15.00'
13.00'	POC 112+50.00	23.00'
13.00'	POC 113+00.00	23.00'
13.00'	POC 113+50.00	15.00'
13.00'	POC 114+50.00	15.00'
13.00'	POC 115+00.00	13.00'
13.00'	POT 124+50.00	13.00'
13.00'	POT 124+75.00	17.00'
17.00'	POT 125+00.00	17.00'
17.00'	POC 127+25.00	17.00'
13.00'	POC 127+50.00	13.00'
13.00'	POC 132+75.00	13.00'
15.00'	POC 133+00.00	19.00'
15.00'	POC 133+12.5.00	19.00'
13.00'	POC 133+62.5.00	19.00'
13.00'	POC 134+00.00	19.00'

SURFACING WIDTH		
LEFT	CENTERLINE STATION	RIGHT
15.00'	POC 134+50.00	19.00'
13.00'	POC 135+00.00	13.00'
13.00'	POT 151+00.00	13.00'
15.00'	POC 151+50.00	13.00'
15.00'	POC 156+25.00	13.00'
13.00'	POC 156+50.00	13.00'
13.00'	POT 167+00.00	13.00'
15.00'	POT 167+50.00	15.00'
15.00'	POT 168+70.00	15.00'
15.00'	POT 168+75.00	19.00'
15.00'	POT 169+25.00	19.00'
15.00'	POT 169+50.00	13.00'
13.00'	POT 170+00.00	13.00'
13.00'	POT 175+75.00	13.00'
15.00'	POT 176+25.00	13.00'
15.00'	POT 234+50.00	13.00'
13.00'	POT 235+00.00	13.00'
13.00'	POC 237+00.00	13.00'
MATCH EXIST.	POC 241+00.00	MATCH EXIST.





TRANSITION SECTIONS

N.T.S.

APPROVED:



EXPIRES 09-22-16

No.	Date	By	Ckd.	Appr.	Revision

Drawn By: J. MARSHALL
 Date: 03/2016
 Designed By: M. STOREY
 Date: 03/2016
 Checked By: M. STOREY
 Date: 03/2016

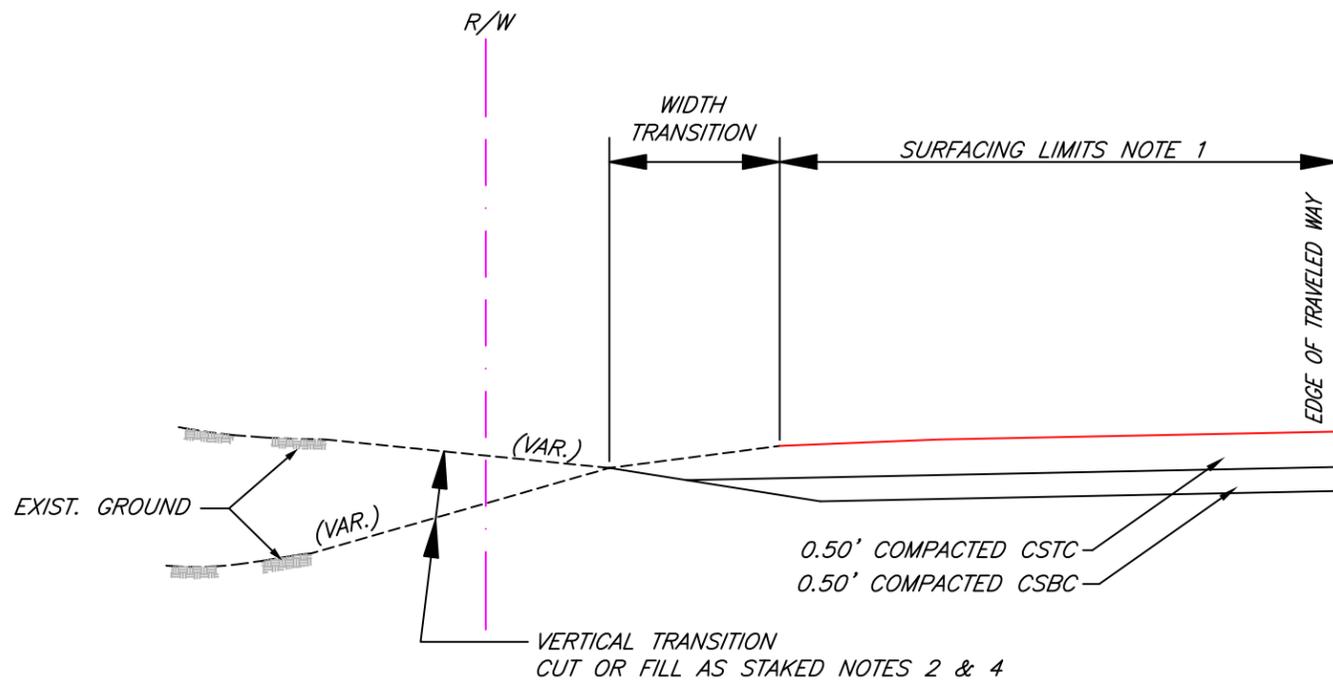
SCALE
 HORIZONTAL: AS SHOWN
 VERTICAL: AS SHOWN

WHITMAN COUNTY ENGINEER
 310 N. MAIN ST.
 COLFAX WA. 99111
 (509) 397-6206

PLANS PREPARED UNDER THE
 DIRECTION OF:
 MARK STOREY, P.E.
 COUNTY ENGINEER
 Date: 03/2016

COUNTY ROAD PROJECT NO. 9060-5
TRANSITION SECTIONS
 SAND ROAD

SHEET
 3 OF 37

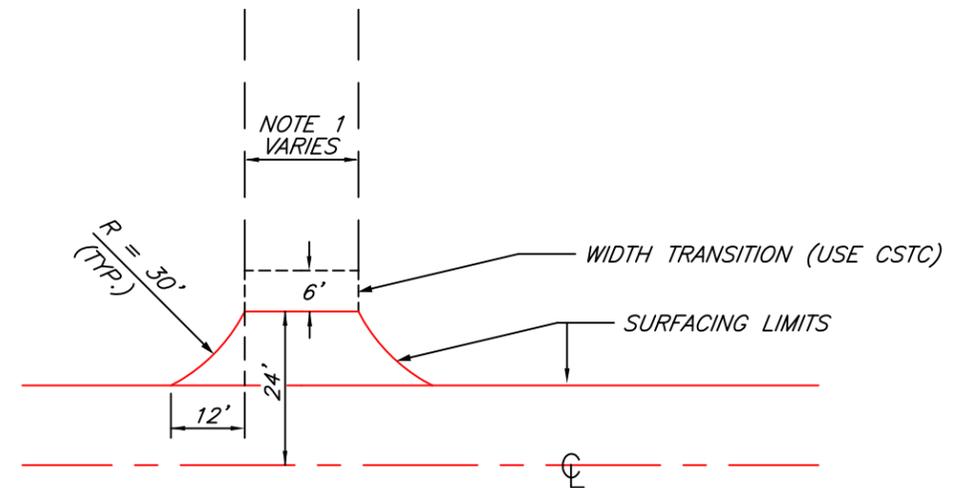


TYPICAL APPROACH SECTION

N.T.S.

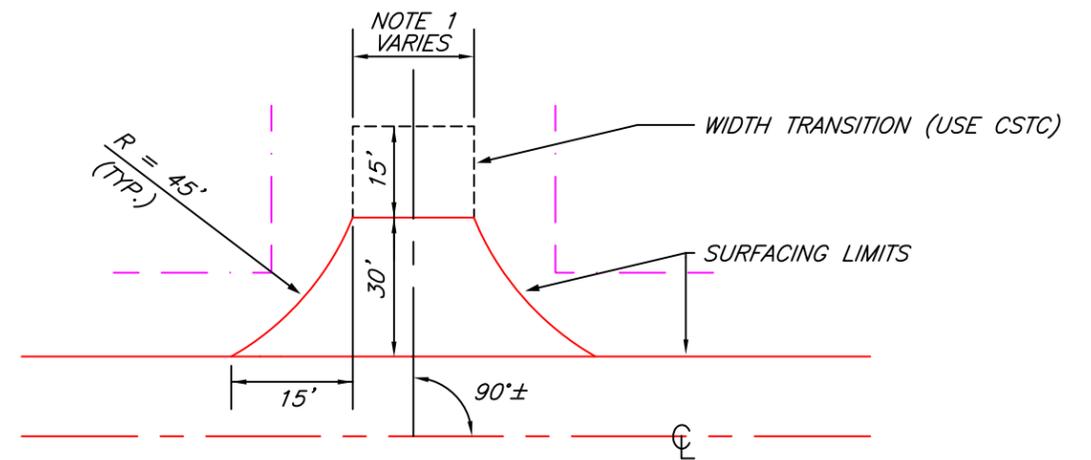
NOTES:

- 1.) TYPICAL APPROACH DIMENSIONS MAY BE MODIFIED IN THE FIELD TO MATCH EXISTING CONDITIONS.
- 2.) APPROACH LIMITS & TRANSITIONS WILL BE STAKED BY THE CONTRACTING AGENCY. WRITTEN ONE WEEK NOTICE SHALL BE GIVEN TO THE CONTRACTING AGENCY PRIOR TO APPROACH CONSTRUCTION.
- 3.) FOR APPROACHES 47+50 RT. & 58+30 RT. SEE SHEET 22 OF 37.
- 4.) ADDITIONAL MATERIALS NEEDED TO ACCOMPLISH VERTICAL TRANSITIONS MUST BE CONSISTENT WITH THE EXISTING APPROACH MATERIALS. EMBANKMENT & EXCAVATION ARE INCIDENTAL TO BID ITEMS 4 & 5.
- 5.) APPROACH GRADE NOT TO EXCEED 4% IN THE FIRST 30' FROM EDGE OF HMA.



TYPICAL APPROACH

N.T.S.



TYPICAL COUNTY ROAD APPROACH

N.T.S. - SEE NOTE 5

APPROVED:



EXPIRES 09-22-16

					Drawn By: J. MARSHALL Date: 03/2016 Designed By: M. STOREY Date: 03/2016 Checked By: M. STOREY Date: 03/2016	SCALE HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN	WHITMAN COUNTY ENGINEER 310 N. MAIN ST. COLFAX WA. 99111 (509) 397-6206	PLANS PREPARED UNDER THE DIRECTION OF: MARK STOREY, P.E. COUNTY ENGINEER Date: 03/2016	COUNTY ROAD PROJECT NO. 9060-5 APPROACH DETAILS SAND ROAD	SHEET 4 OF 37
No.	Date	By	Ckd.	Appr.	Revision					

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	STD. ITEM NO.	UNIT	ITEM	TOTAL QUANTITY
			PREPARATION	
1	0001	L.S.	MOBILIZATION	1
2	0035	L.S.	CLEARING AND GRUBBING	1
3	0050	L.S.	REMOVAL OF STRUCTURE AND OBSTRUCTION	1
			GRADING	
4	0310	C.Y.	ROADWAY EXCAVATION INCL. HAUL	53,520
5	0470	C.Y.	EMBANKMENT COMPACTION	8,525
			STOCKPILING	
6	0670	TON	CRUSHED SURFACING TOP COURSE IN STOCKPILE	12,500
7	0725	TON	CRUSHED SCREENING 3/8 IN STOCKPILE	1,000
			DRAINAGE	
8	1313	L.F.	PLAIN ST. CULV. PIPE 0.064 IN. TH. 18 IN. DIAM.	190
9	1314	L.F.	PLAIN ST. CULV. PIPE 0.064 IN. TH. 24 IN. DIAM.	246
10	1313	L.F.	PLAIN ST. CULV. APPROACH PIPE 0.064 IN. TH. 18 IN. DIAM.	210
			SURFACING	
11	--	TON	SHOT ROCK EMBANKMENT COMPACTION	7,800
12	5100	TON	CRUSHED SURFACING BASE COURSE	22,987
13	5120	TON	CRUSHED SURFACING TOP COURSE	21,925
			HOT MIX ASPHALT	
14	--	L.F.	SAWCUT EXISTING PAVEMENT	54
			EROSION CONTROL AND ROADSIDE PLANTING	
15	6373	L.F.	SILT FENCE	9,460
16	6403	DAY	ESC LEAD	20
17	6414	ACRE	SEEDING, FERTILIZING, AND MULCHING	7
			TRAFFIC	
18	6711	L.F.	BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST	2,550
19	6713	L.F.	BEAM GUARDRAIL TYPE 31 - 11 FT. LONG POST	2,706
20	6719	EACH	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	14
21	6757	L.F.	BEAM GUARDRAIL TYPE 31	75
22	6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	1
23	6982	S.F.	CONSTRUCTION SIGNS CLASS A	451
			OTHER ITEMS	
24	7006	C.Y.	STRUCTURE EXCAVATION CLASS B INCL. HAUL	171
25	7018	MGAL	WATER	3000
26	7038	L.S.	ROADWAY SURVEYING	1
27	7480	L.S.	ROADSIDE CLEANUP	1
28	7490	L.S.	TRIMMING AND CLEANUP	1
29	7552	S.Y.	CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION	5,900
30	7736	L.S.	SPCC PLAN	1
31	--	EACH	REMOVE EXISTING MAILBOX	9
32	--	EACH	RESET EXISTING MAILBOX ON MAILBOX SUPPORT TYPE 1	9

NOTE: FOR SPECIAL FEATURES SEE SPECIAL PROVISIONS.

No.	Date	By	Ckd.	Appr.	Revision

Drawn By: <u>J. MARSHALL</u> Designed By: <u>M. STOREY</u> Checked By: <u>M. STOREY</u>	Date: <u>03/2016</u> Date: <u>03/2016</u> Date: <u>03/2016</u>
SCALE	
HORIZONTAL: AS SHOWN	
VERTICAL: AS SHOWN	

WHITMAN COUNTY ENGINEER
 310 N. MAIN ST.
 COLFAX WA. 99111
 (509) 397-6206

PLANS PREPARED UNDER THE
 DIRECTION OF:
MARK STOREY, P.E.
 COUNTY ENGINEER
 Date: 03/2016

COUNTY ROAD PROJECT NO. 9060-5
SUMMARY OF ESTIMATED QUANTITIES
 SAND ROAD

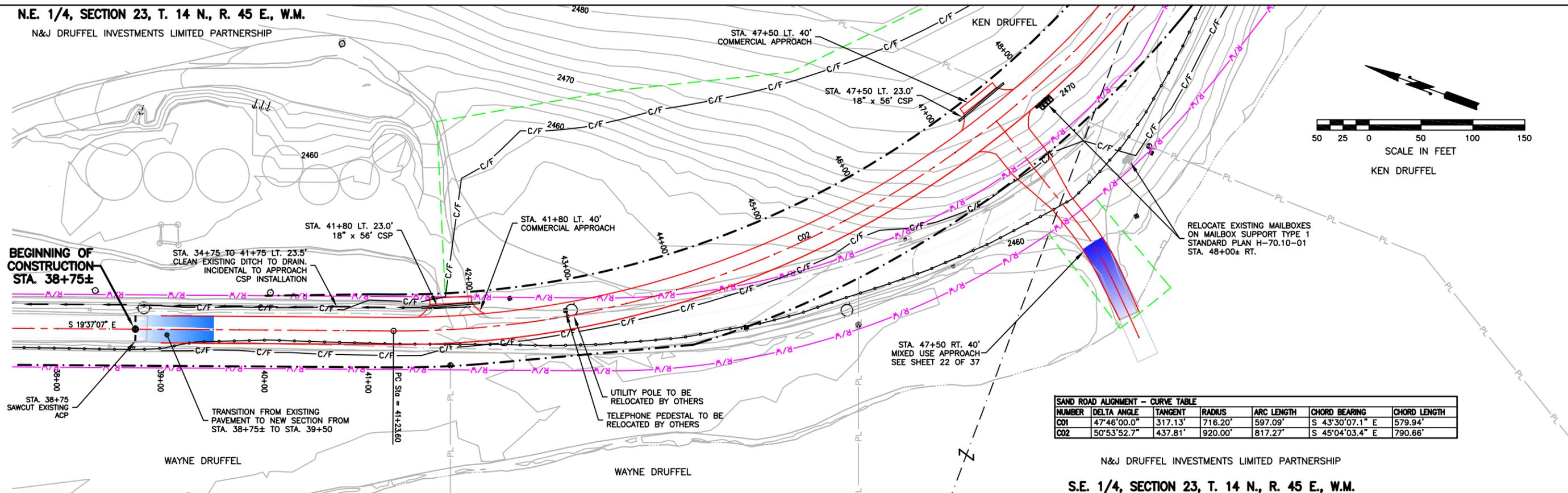
SHEET
 5 OF 37

APPROVED:



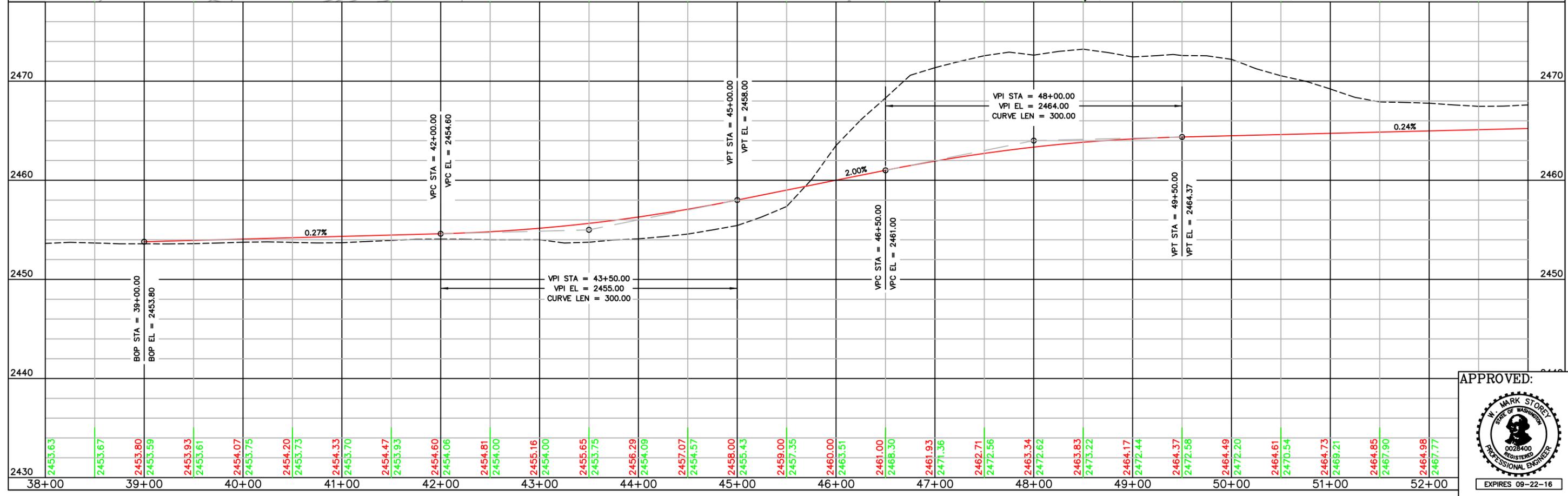
EXPIRES 09-22-16

N.E. 1/4, SECTION 23, T. 14 N., R. 45 E., W.M.
N&J DRUFFEL INVESTMENTS LIMITED PARTNERSHIP



SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
CO1	47°46'00.0"	317.13'	716.20'	597.09'	S 43°30'07.1" E	579.94'
CO2	50°53'52.7"	437.81'	920.00'	817.27'	S 45°04'03.4" E	790.66'

N&J DRUFFEL INVESTMENTS LIMITED PARTNERSHIP
S.E. 1/4, SECTION 23, T. 14 N., R. 45 E., W.M.



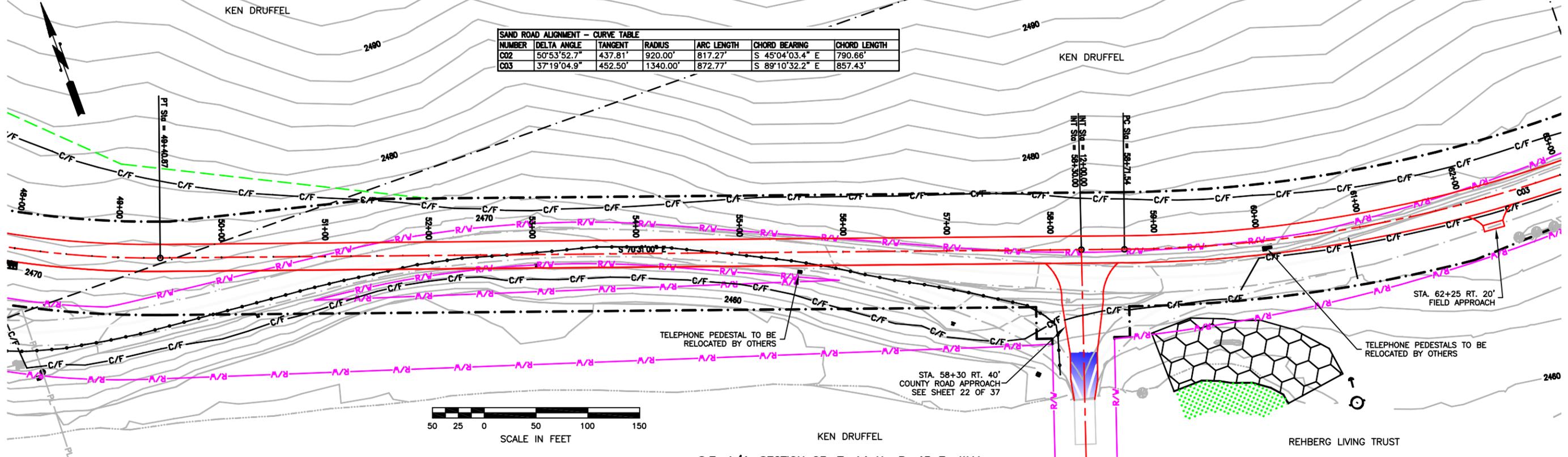
APPROVED:

EXPIRES 09-22-16

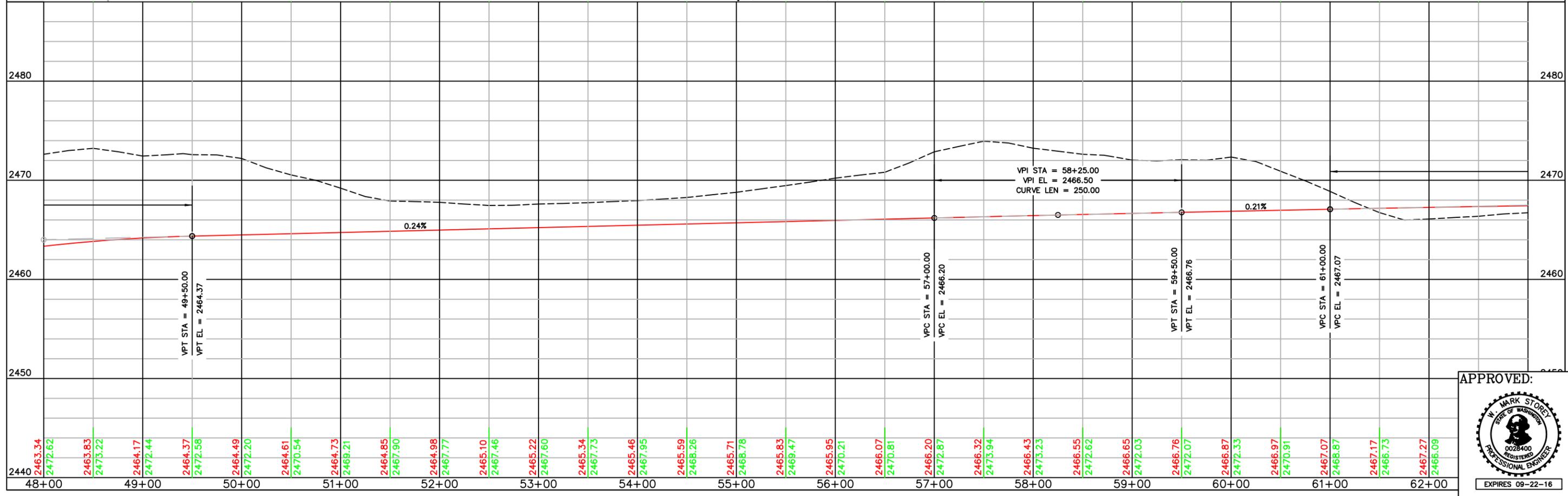
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No.	Date	By	Ckd.	Appr.																

N.E. 1/4, SECTION 23, T. 14 N., R. 45 E., W.M.

NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C02	50°53'52.7"	437.81'	920.00'	817.27'	S 45°04'03.4" E	790.66'
C03	37°19'04.9"	452.50'	1340.00'	872.77'	S 89°10'32.2" E	857.43'



S.E. 1/4, SECTION 23, T. 14 N., R. 45 E., W.M.



APPROVED:

No.	Date	By	Ckd.	Appr.	Revision

Drawn By: J. MARSHALL
 Date: 03/2016
 Designed By: M. STOREY
 Date: 03/2016
 Checked By: M. STOREY
 Date: 03/2016

SCALE
 HORIZONTAL: AS SHOWN
 VERTICAL: AS SHOWN

WHITMAN COUNTY ENGINEER
 310 N. MAIN ST.
 COLFAX WA. 99111
 (509) 397-6206

PLANS PREPARED UNDER THE DIRECTION OF:
 MARK STOREY, P.E.
 COUNTY ENGINEER
 Date: 03/2016

COUNTY ROAD PROJECT NO. 9060-5
PLAN & PROFILE
 SAND ROAD

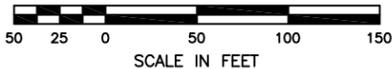
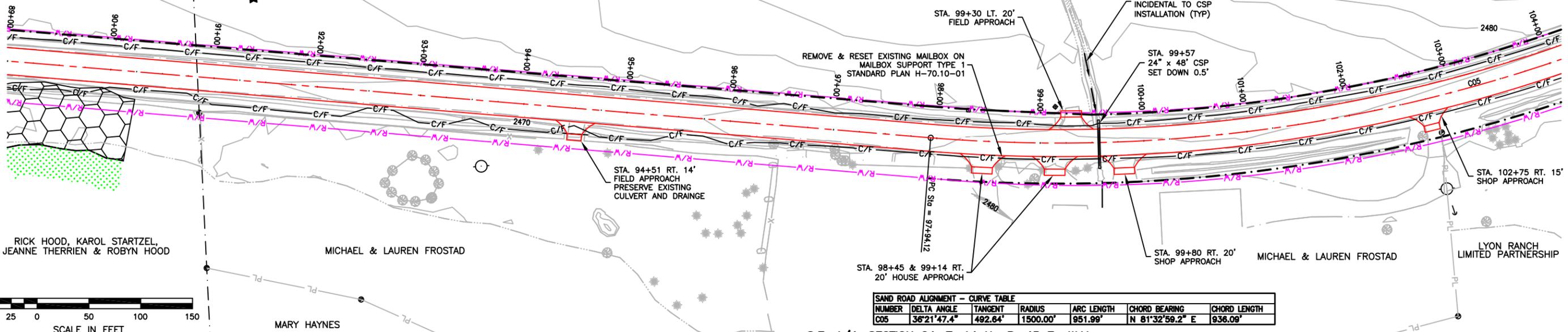
SHEET
 7 OF 37

S.W. 1/4, SECTION 24,
T. 14 N., R. 45 E., W.M.

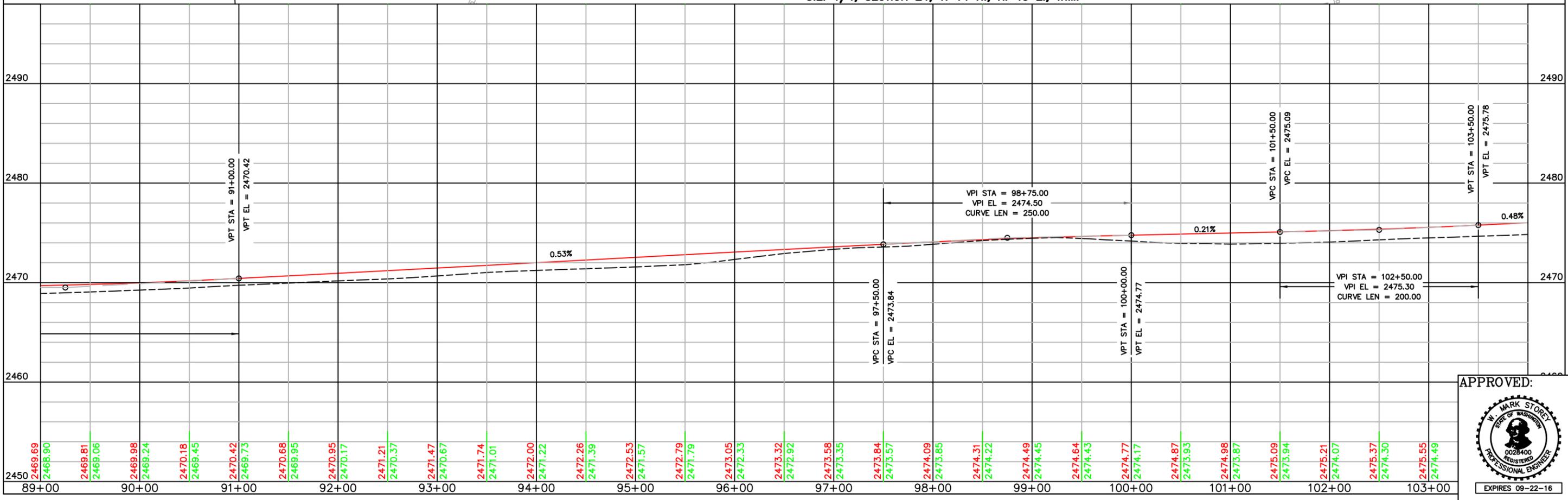
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RICK HOOD, KAROL STARTZEL,
JEANNE THERRIEN & ROBYN HOOD

RICK HOOD, KAROL STARTZEL,
JEANNE THERRIEN & ROBYN HOOD



SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C05	36°21'47.4"	492.64'	1500.00'	951.99'	N 81°32'59.2" E	936.09'



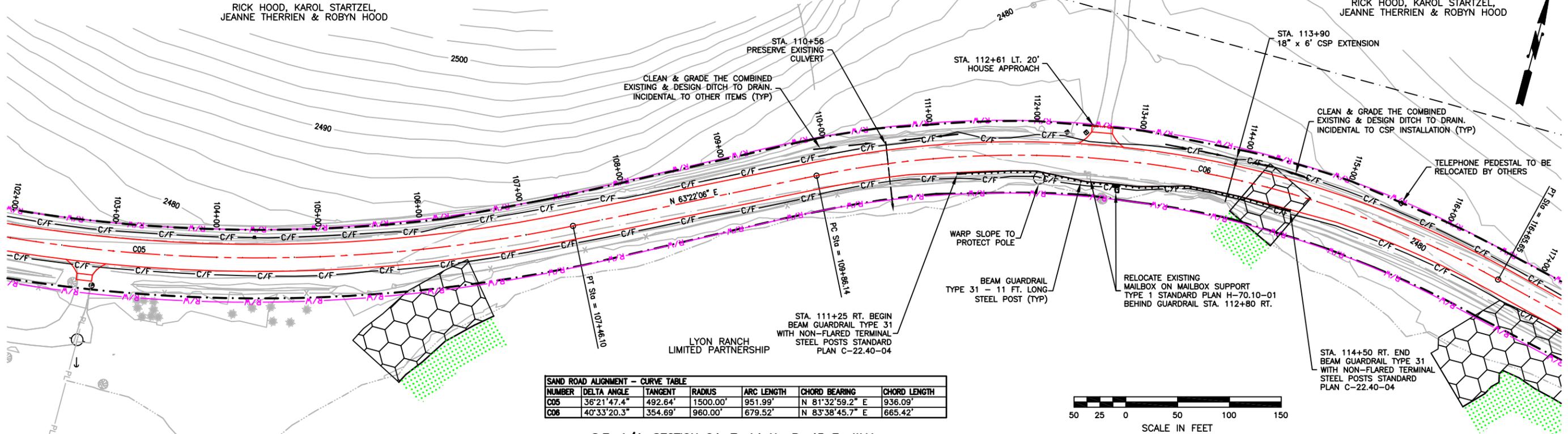
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No.	Date	By	Ckd.	Appr.																

S.E. 1/4, SECTION 24, T. 14 N., R. 45 E., W.M.

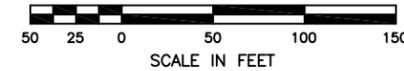
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RICK HOOD, KAROL STARTZEL,
JEANNE THERRIEN & ROBYN HOOD

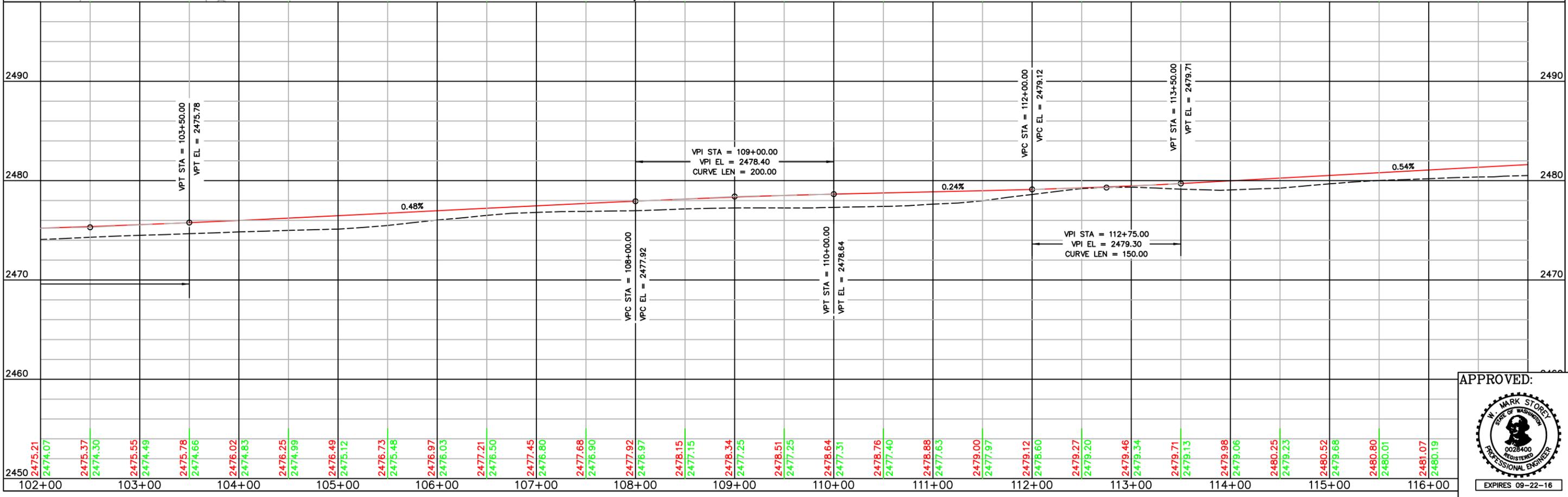
RICK HOOD, KAROL STARTZEL,
JEANNE THERRIEN & ROBYN HOOD



SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C05	36°21'47.4"	492.64'	1500.00'	951.99'	N 81°32'59.2" E	936.09'
C06	40°33'20.3"	354.69'	960.00'	679.52'	N 83°38'45.7" E	665.42'



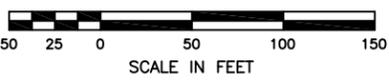
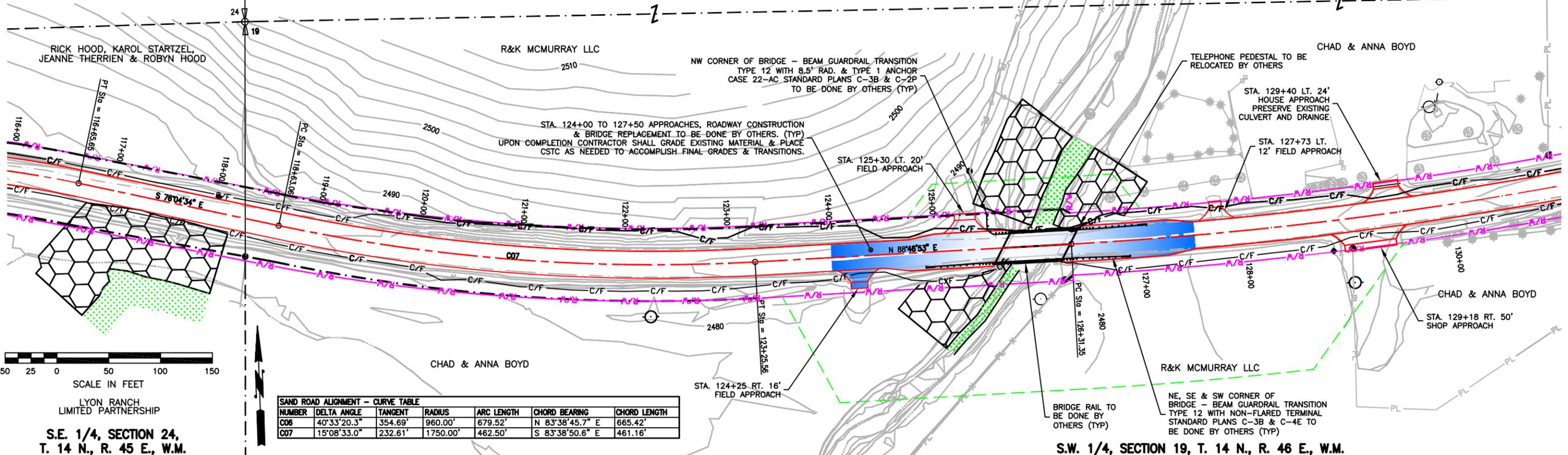
S.E. 1/4, SECTION 24, T. 14 N., R. 45 E., W.M.



	Drawn By: J. MARSHALL Date: 03/2016 Designed By: M. STOREY Checked By: M. STOREY Date: 03/2016	SCALE HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN	WHITMAN COUNTY ENGINEER 310 N. MAIN ST. COLFAX WA. 99111 (509) 397-6206	PLANS PREPARED UNDER THE DIRECTION OF: MARK STOREY, P.E. COUNTY ENGINEER Date: 03/2016	COUNTY ROAD PROJECT NO. 9060-5 PLAN & PROFILE SAND ROAD	SHEET 11 OF 37												
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No.	Date	By	Ckd.	Appr.	Revision													

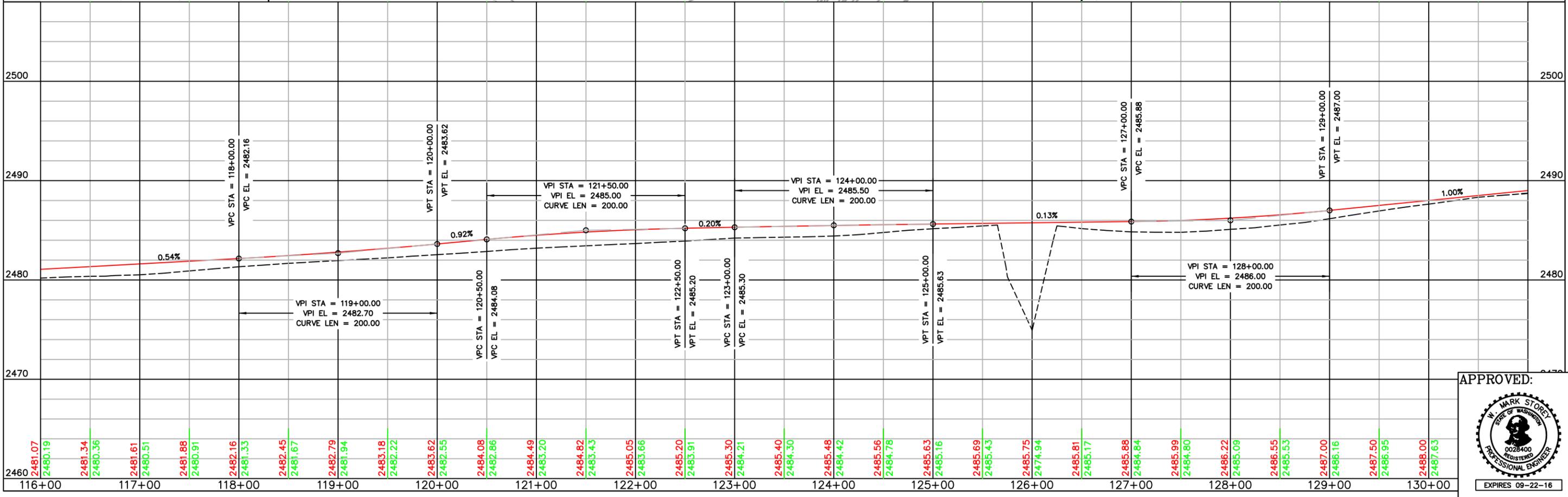
N.E. 1/4, SECTION 24,
T. 14 N., R. 45 E., W.M.

N.W. 1/4, SECTION 19, T. 14 N., R. 46 E., W.M.



LYON RANCH
LIMITED PARTNERSHIP
S.E. 1/4, SECTION 24,
T. 14 N., R. 45 E., W.M.

SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C06	40°33'20.3"	354.69'	960.00'	679.52'	N 83°38'45.7" E	665.42'
C07	15°08'33.0"	232.61'	1750.00'	462.50'	S 83°38'50.6" E	461.16'



APPROVED:

 MARK STOREY
 REGISTERED PROFESSIONAL ENGINEER
 EXPIRES 09-22-16

Drawn By: J. MARSHALL	Date: 03/2016
Designed By: M. STOREY	Date: 03/2016
Checked By: M. STOREY	Date: 03/2016

SCALE
 HORIZONTAL: AS SHOWN
 VERTICAL: AS SHOWN

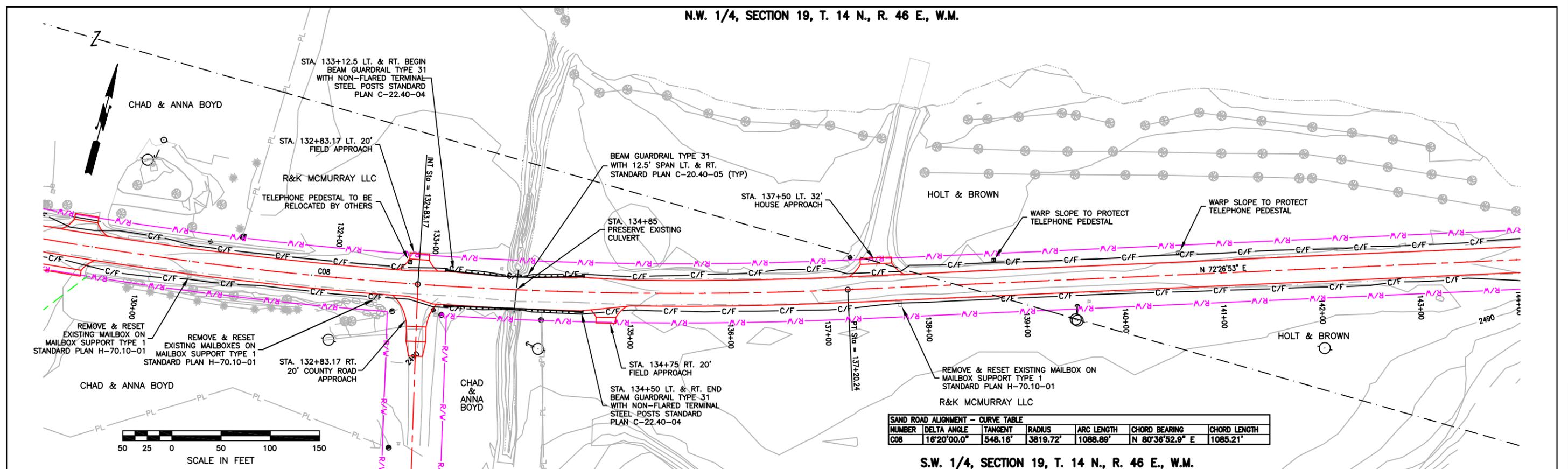
WHITMAN COUNTY ENGINEER
 310 N. MAIN ST.
 COLFAX WA. 99111
 (509) 397-6206

PLANS PREPARED UNDER THE
 DIRECTION OF:
 MARK STOREY, P.E.
 COUNTY ENGINEER
 Date: 03/2016

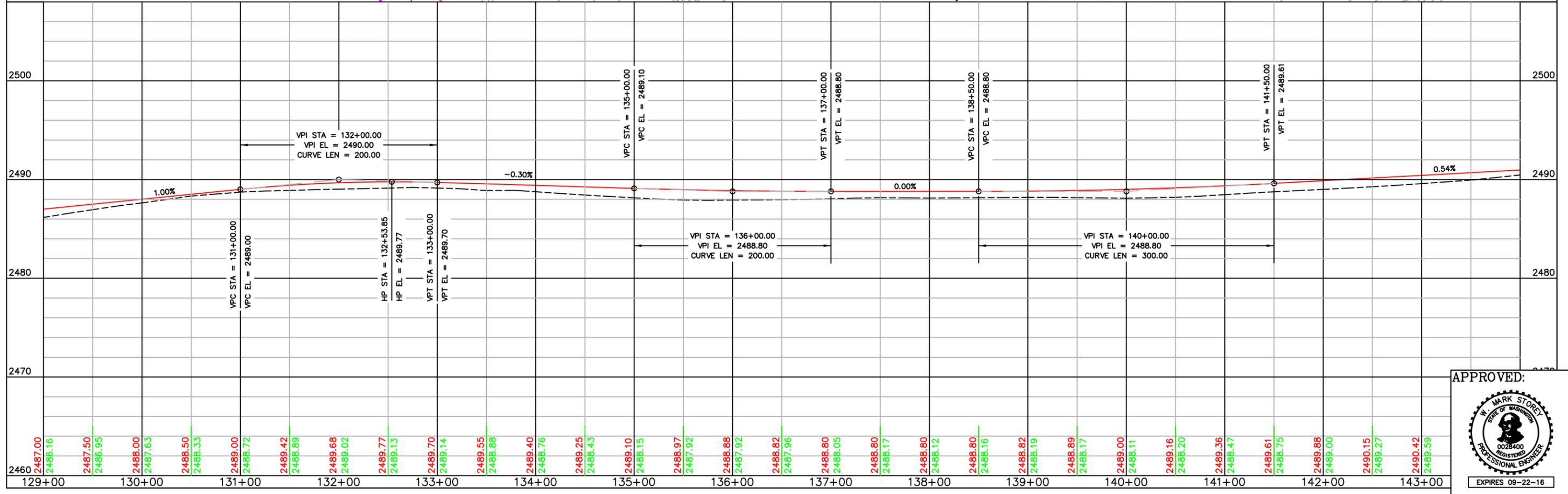
COUNTY ROAD PROJECT NO. 9060-5
PLAN & PROFILE
 SAND ROAD

SHEET
 12 OF 37

N.W. 1/4, SECTION 19, T. 14 N., R. 46 E., W.M.



S.W. 1/4, SECTION 19, T. 14 N., R. 46 E., W.M.

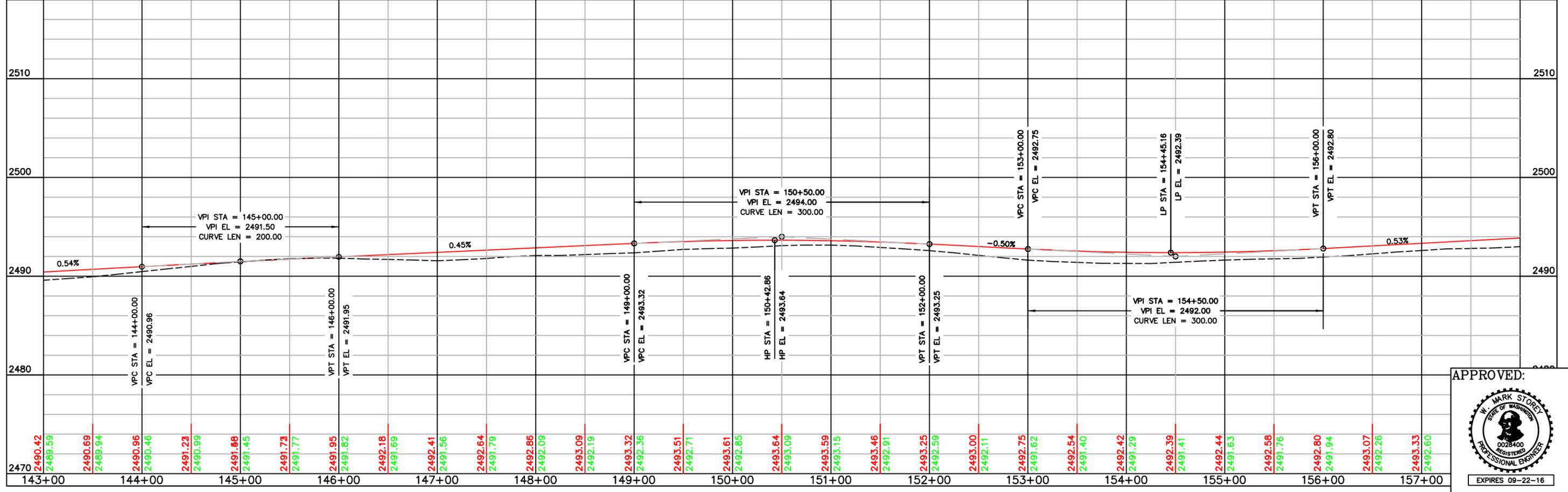
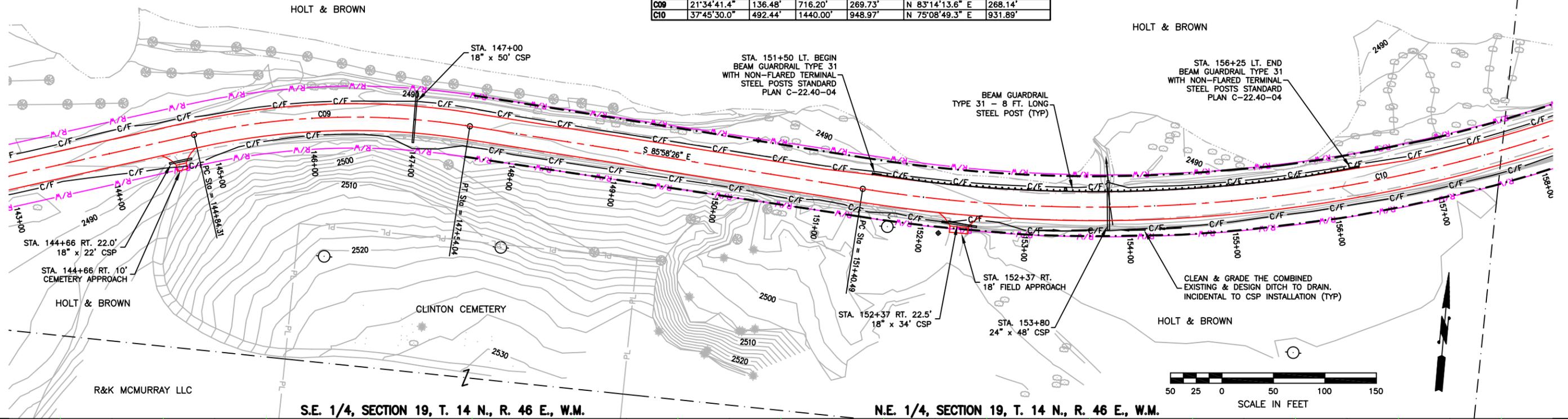


APPROVED:

MARK STOREY
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 09-22-16

N.E. 1/4, SECTION 19, T. 14 N., R. 46 E., W.M.

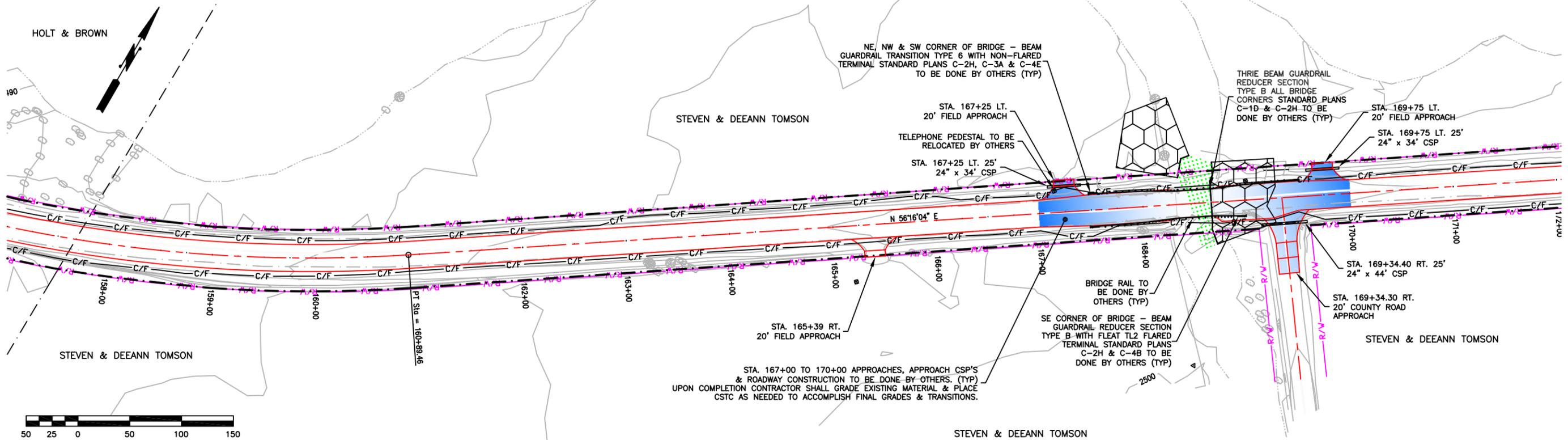
SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C09	21°34'41.4"	136.48'	716.20'	269.73'	N 83°14'13.6" E	268.14'
C10	37°45'30.0"	492.44'	1440.00'	948.97'	N 75°08'49.3" E	931.89'



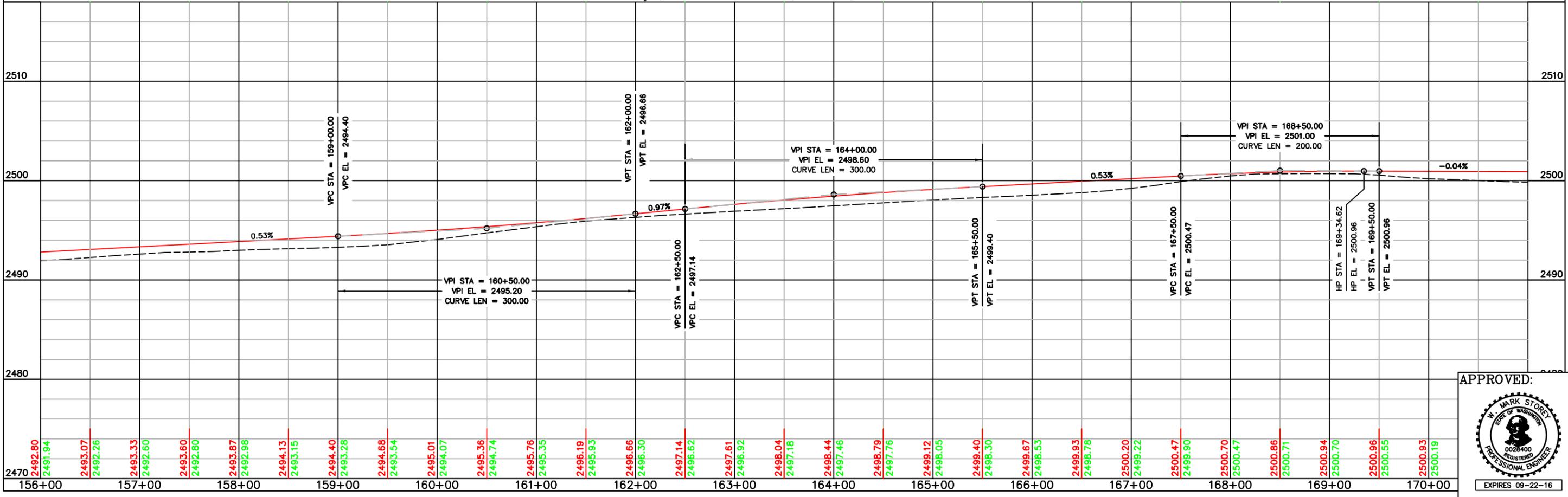
APPROVED:

 MARK STOREY
 REGISTERED PROFESSIONAL ENGINEER
 EXPIRES 09-22-16

N.E. 1/4, SECTION 19, T. 14 N., R. 46 E., W.M.



N.E. 1/4, SECTION 19, T. 14 N., R. 46 E., W.M.



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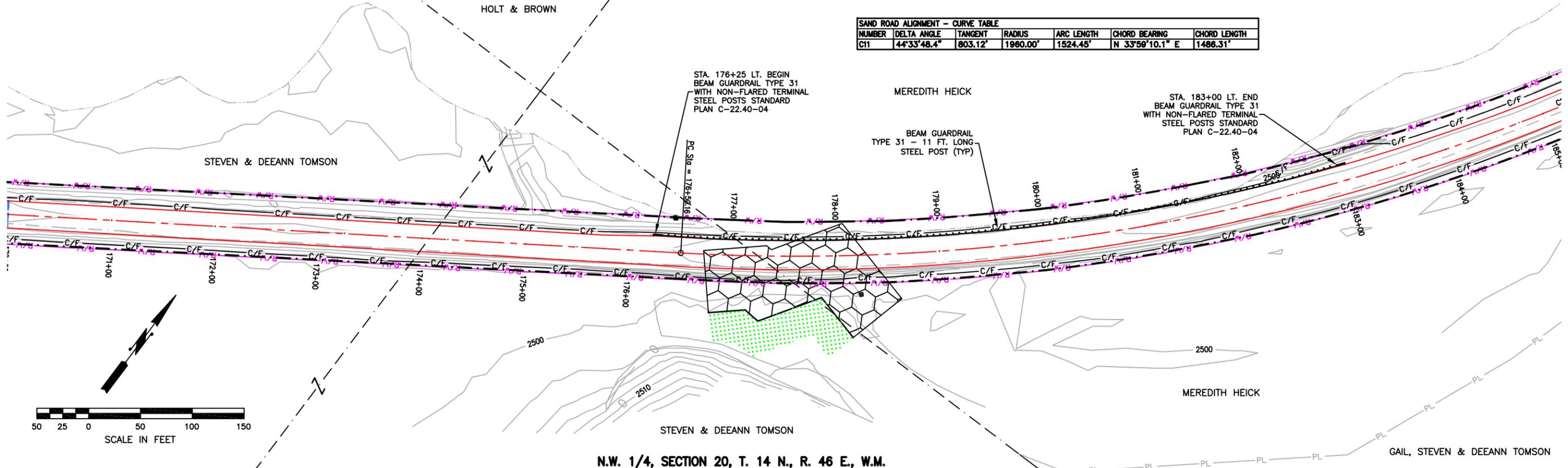
 EXPIRES 09-22-16

Drawn By: J. MARSHALL Date: 03/2016 Designed By: M. STOREY Date: 03/2016 Checked By: M. STOREY Date: 03/2016					SCALE HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN		WHITMAN COUNTY ENGINEER 310 N. MAIN ST. COLFAX WA. 99111 (509) 397-6206		PLANS PREPARED UNDER THE DIRECTION OF: MARK STOREY, P.E. COUNTY ENGINEER Date: 03/2016		COUNTY ROAD PROJECT NO. 9060-5 PLAN & PROFILE SAND ROAD		SHEET 15 OF 37	
No.	Date	By	Ckd.	Appr.	Revision									

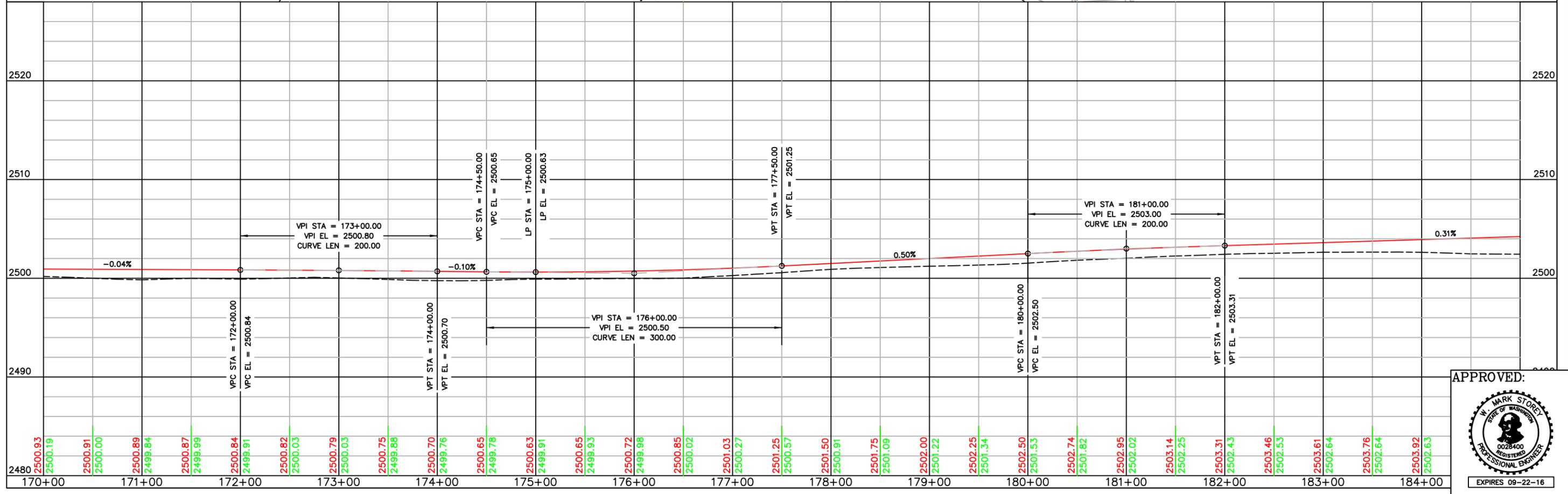
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N.W. 1/4, SECTION 20, T. 14 N., R. 46 E., W.M.

SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C11	44°33'48.4"	803.12'	1960.00'	1524.45'	N 33°59'10.1" E	1486.31'



N.W. 1/4, SECTION 20, T. 14 N., R. 46 E., W.M.



APPROVED:

EXPIRES 09-22-16

Drawn By: <i>J. MARSHALL</i>	Date: 03/2016
Designed By: <i>M. STOREY</i>	Date: 03/2016
Checked By: <i>M. STOREY</i>	Date: 03/2016

SCALE
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

WHITMAN COUNTY ENGINEER
310 N. MAIN ST.
COLFAX WA. 99111
(509) 397-6206

PLANS PREPARED UNDER THE DIRECTION OF:
MARK STOREY, P.E.
COUNTY ENGINEER
Date: 03/2016

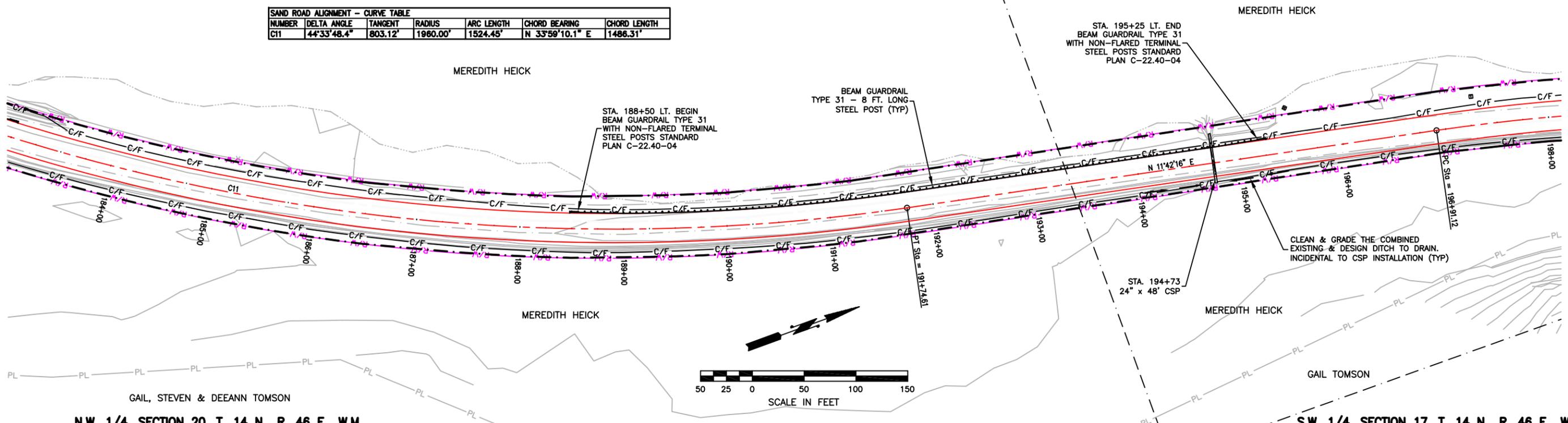
COUNTY ROAD PROJECT NO. 9060-5
PLAN & PROFILE
SAND ROAD

SHEET
16 OF 37

N.W. 1/4, SECTION 20, T. 14 N., R. 46 E., W.M.

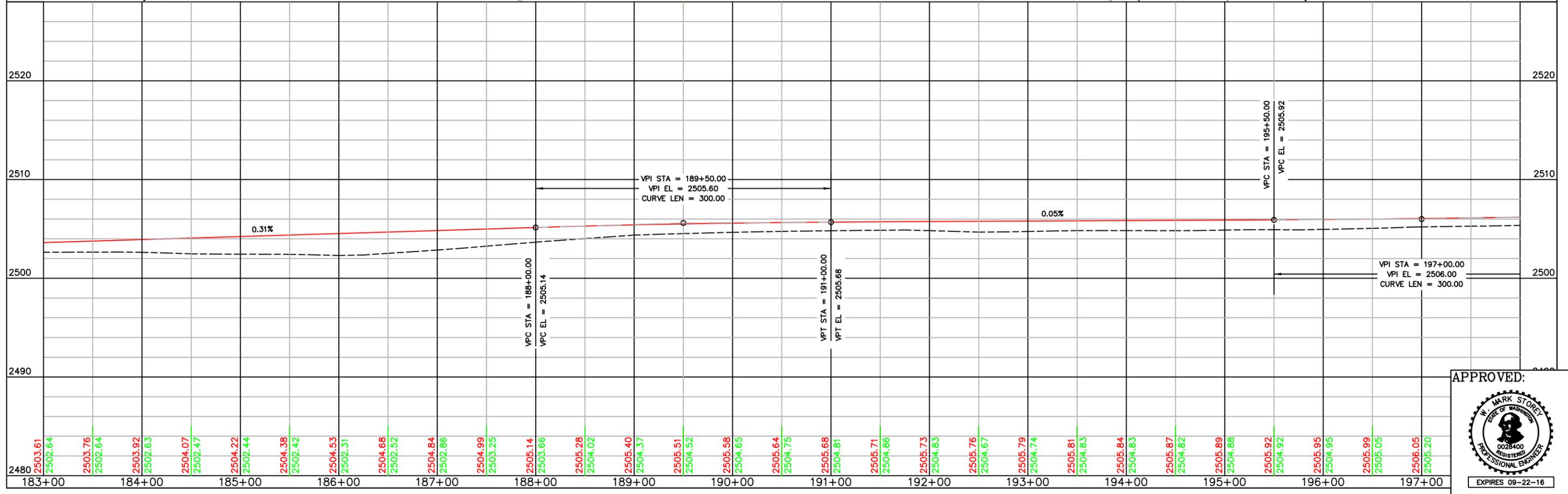
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SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C11	44°33'48.4"	803.12'	1960.00'	1524.45'	N 33°59'10.1" E	1486.31'



N.W. 1/4, SECTION 20, T. 14 N., R. 46 E., W.M.

S.W. 1/4, SECTION 17, T. 14 N., R. 46 E., W.M.



APPROVED:

MARK STOREY
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 09-22-16

Drawn By: J. MARSHALL	Date: 03/2016
Designed By: M. STOREY	Date: 03/2016
Checked By: M. STOREY	Date: 03/2016

SCALE	
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VERTICAL:	AS SHOWN

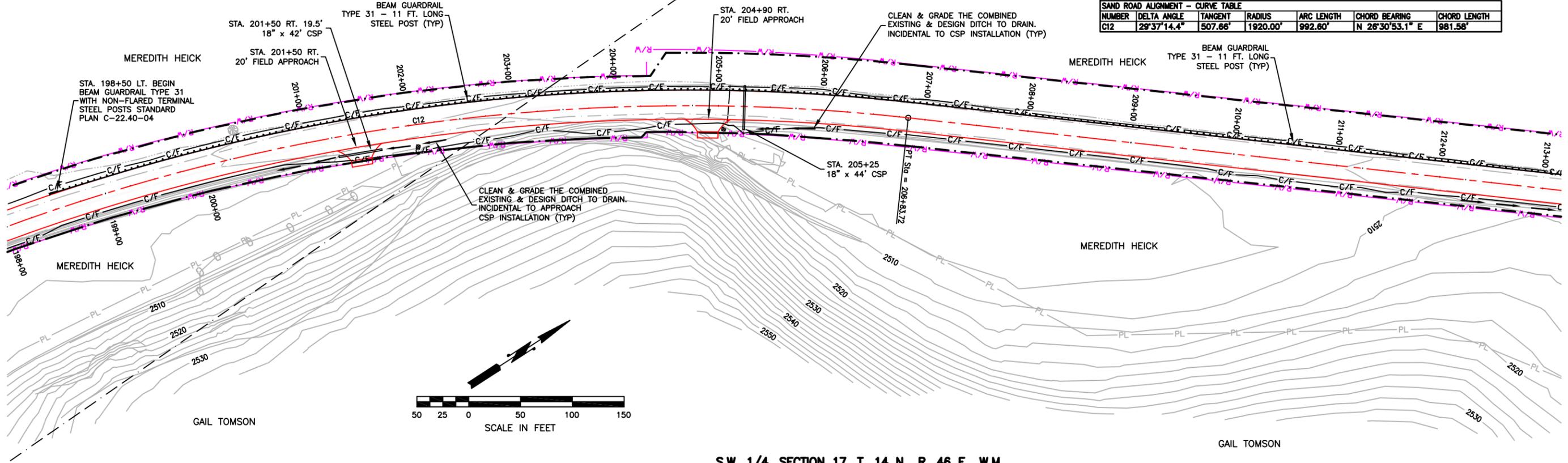
WHITMAN COUNTY ENGINEER
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PLANS PREPARED UNDER THE DIRECTION OF:
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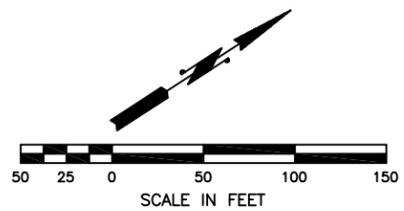
COUNTY ROAD PROJECT NO. 9060-5
PLAN & PROFILE
SAND ROAD

SHEET
17 OF 37

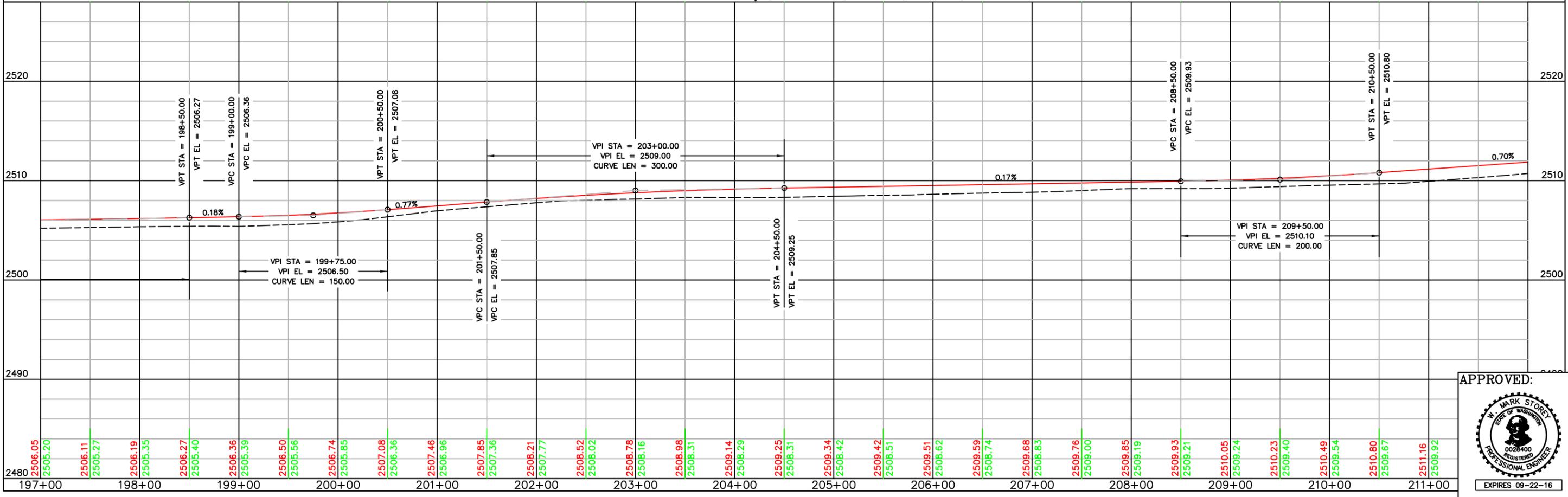
S.W. 1/4, SECTION 17, T. 14 N., R. 46 E., W.M.



SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C12	29°37'14.4"	507.66'	1920.00'	992.60'	N 26°30'53.1" E	981.56'



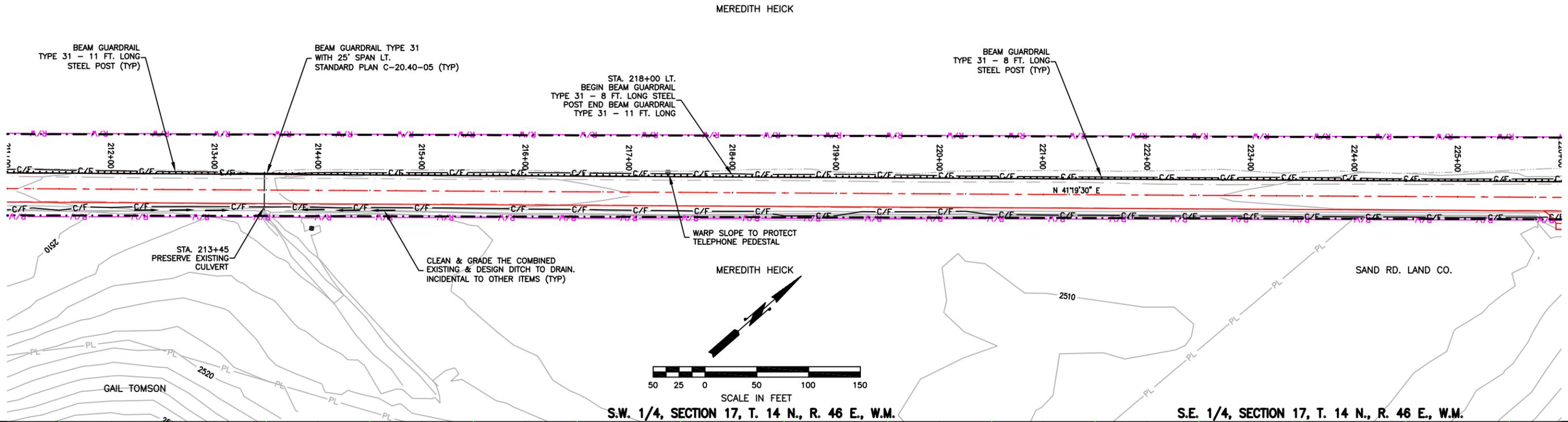
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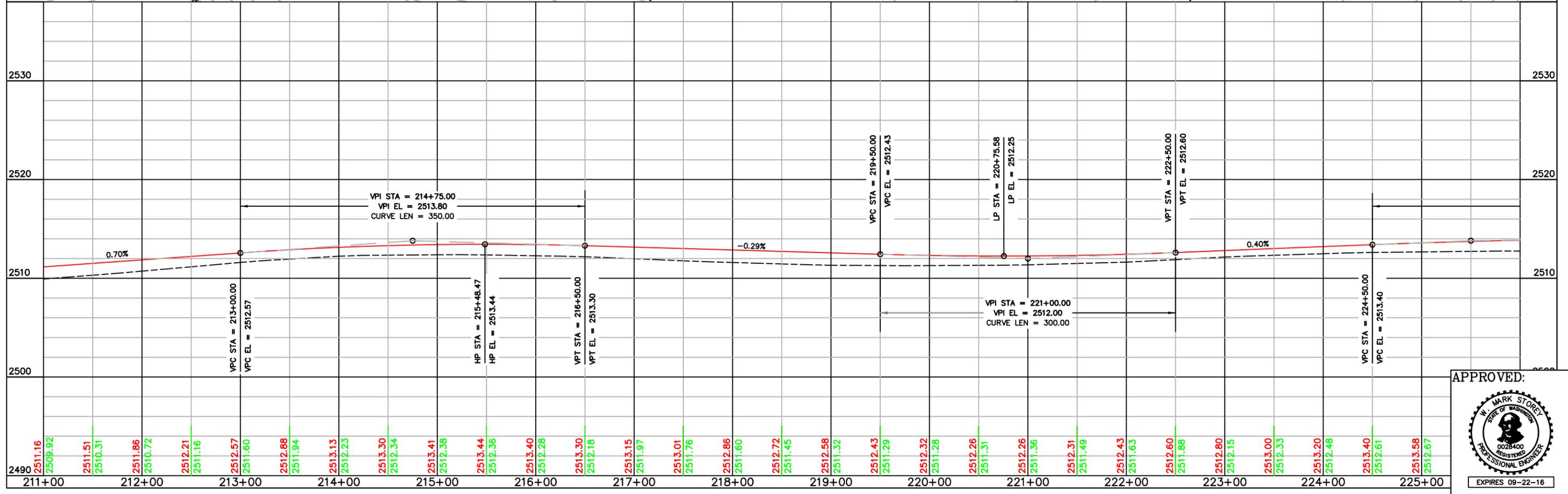
 MARK STOREY
 REGISTERED PROFESSIONAL ENGINEER
 EXPIRES 09-22-16

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No.	Date	By	Ckd.	Appr.																



S.W. 1/4, SECTION 17, T. 14 N., R. 46 E., W.M.

S.E. 1/4, SECTION 17, T. 14 N., R. 46 E., W.M.



APPROVED:

MARK STOREY
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 09-22-16

No.	Date	By	Ckd.	Appr.	Revision

Drawn By: J. MARSHALL
 Date: 03/2016
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SCALE
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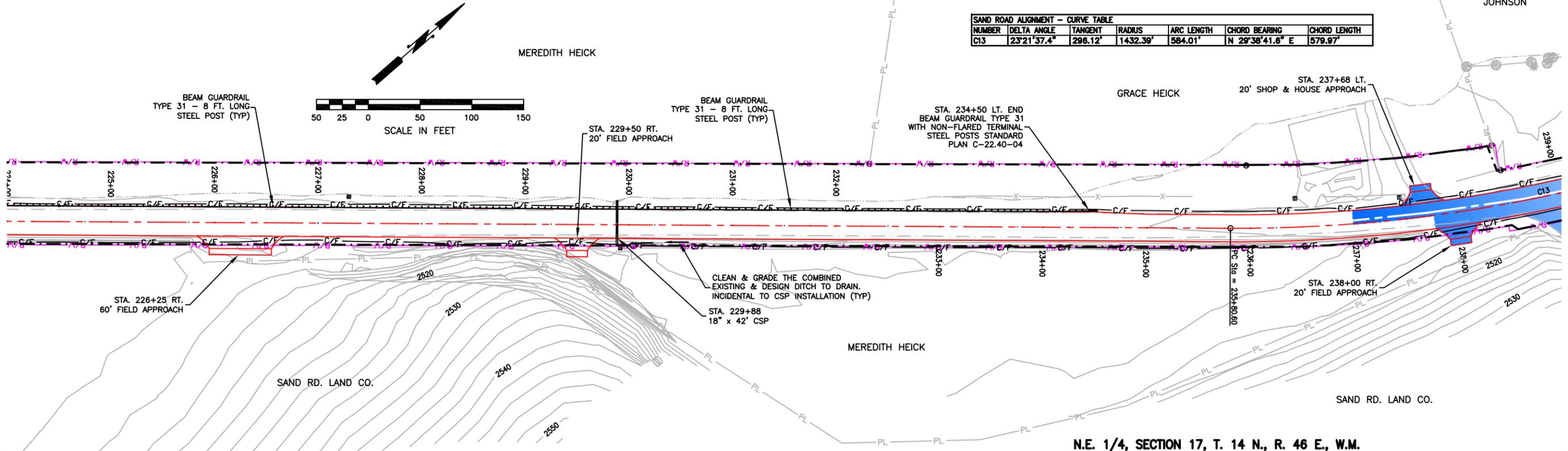
WHITMAN COUNTY ENGINEER
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 COUNTY ENGINEER
 Date: 03/2016

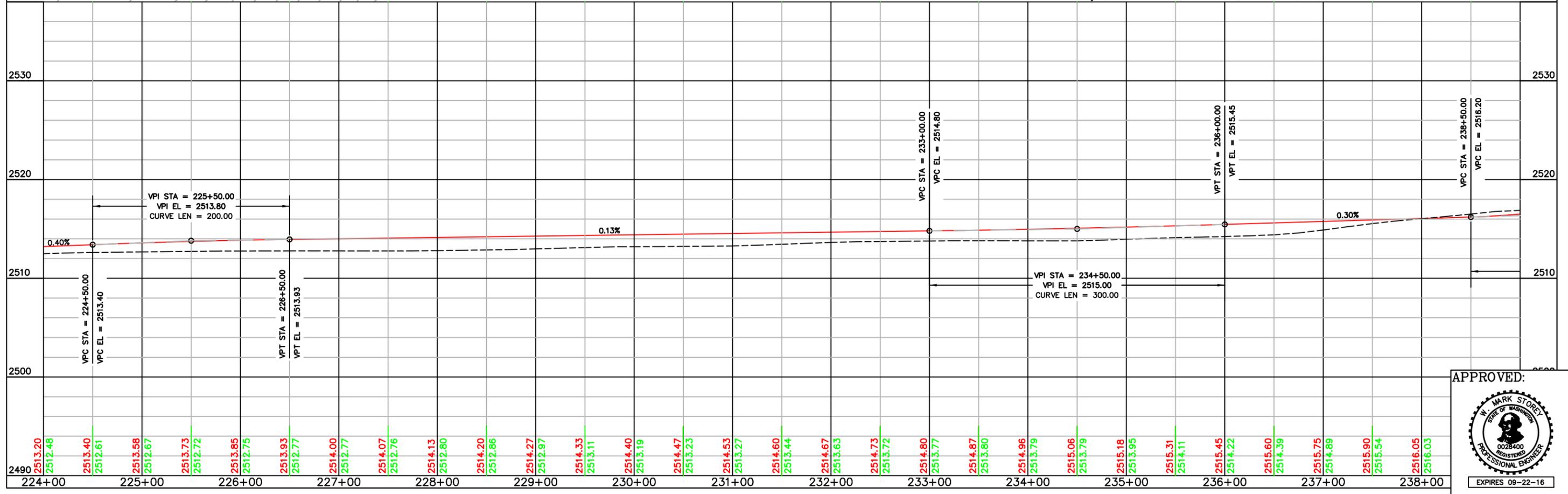
COUNTY ROAD PROJECT NO. 9060-5
PLAN & PROFILE
 SAND ROAD

N.E. 1/4, SECTION 17, T. 14 N., R. 46 E., W.M.

SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C13	23°21'37.4"	296.12'	1432.39'	584.01'	N 29°38'41.6" E	579.97'

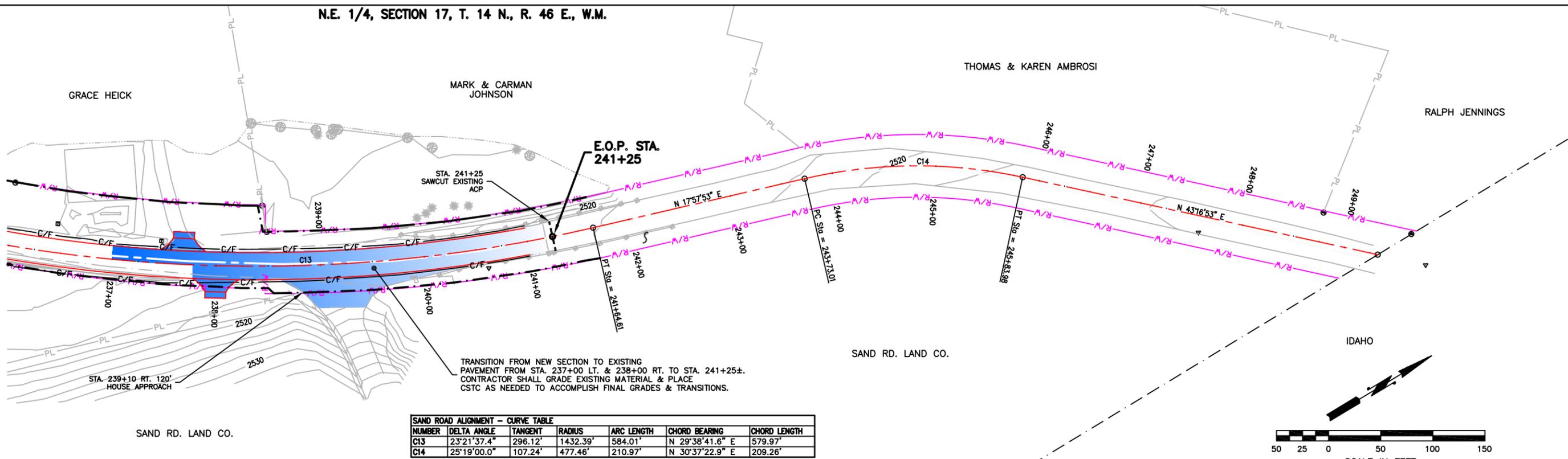


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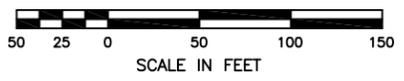
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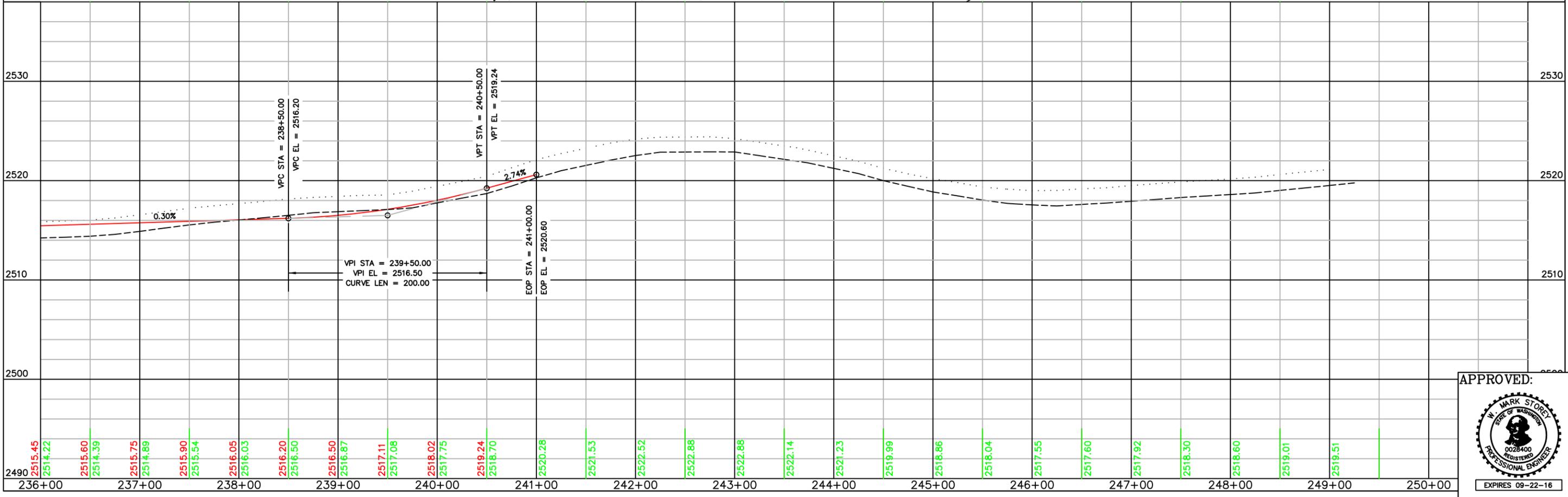


SAND ROAD ALIGNMENT - CURVE TABLE

NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C13	23°21'37.4"	296.12'	1432.39'	584.01'	N 29°38'41.6" E	579.97'
C14	25°19'00.0"	107.24'	477.46'	210.97'	N 30°37'22.9" E	209.26'

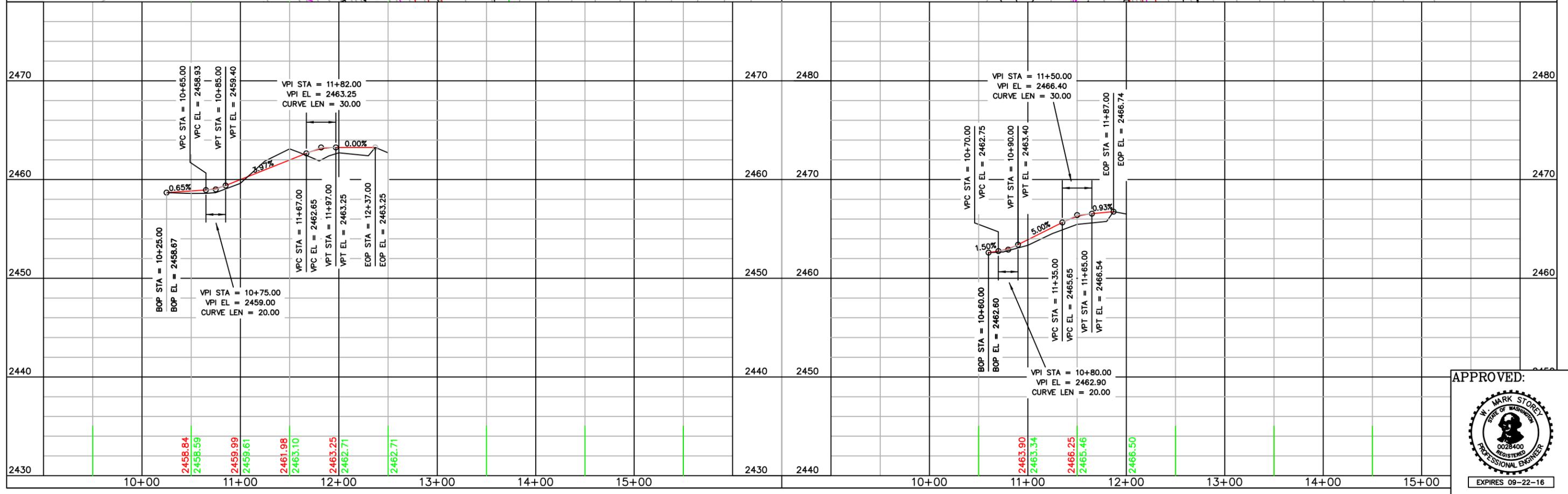
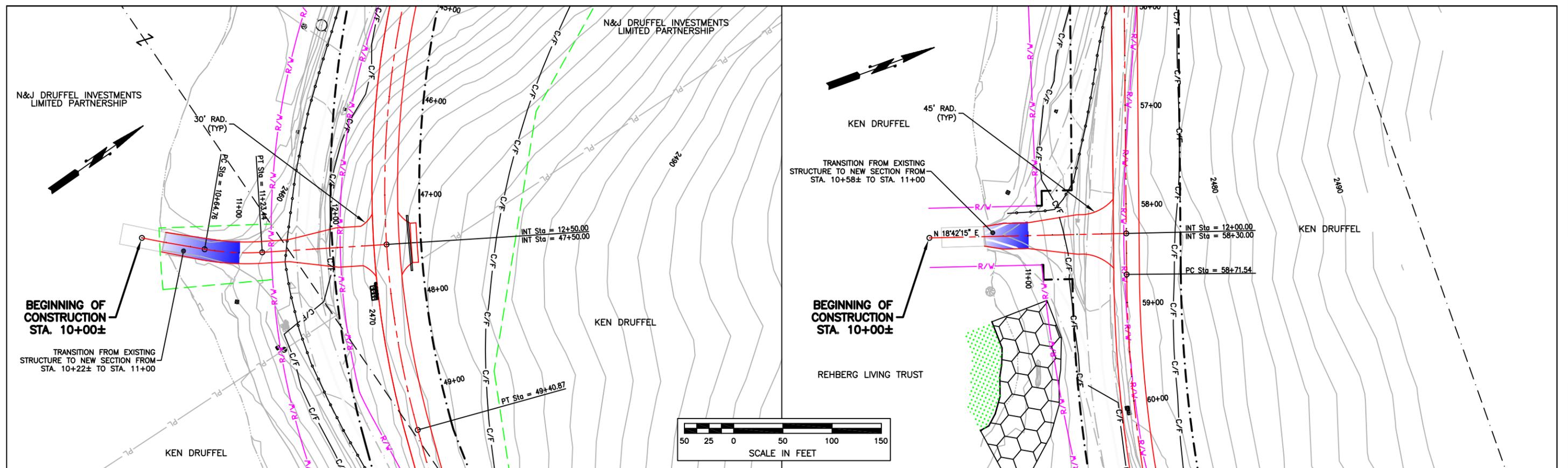


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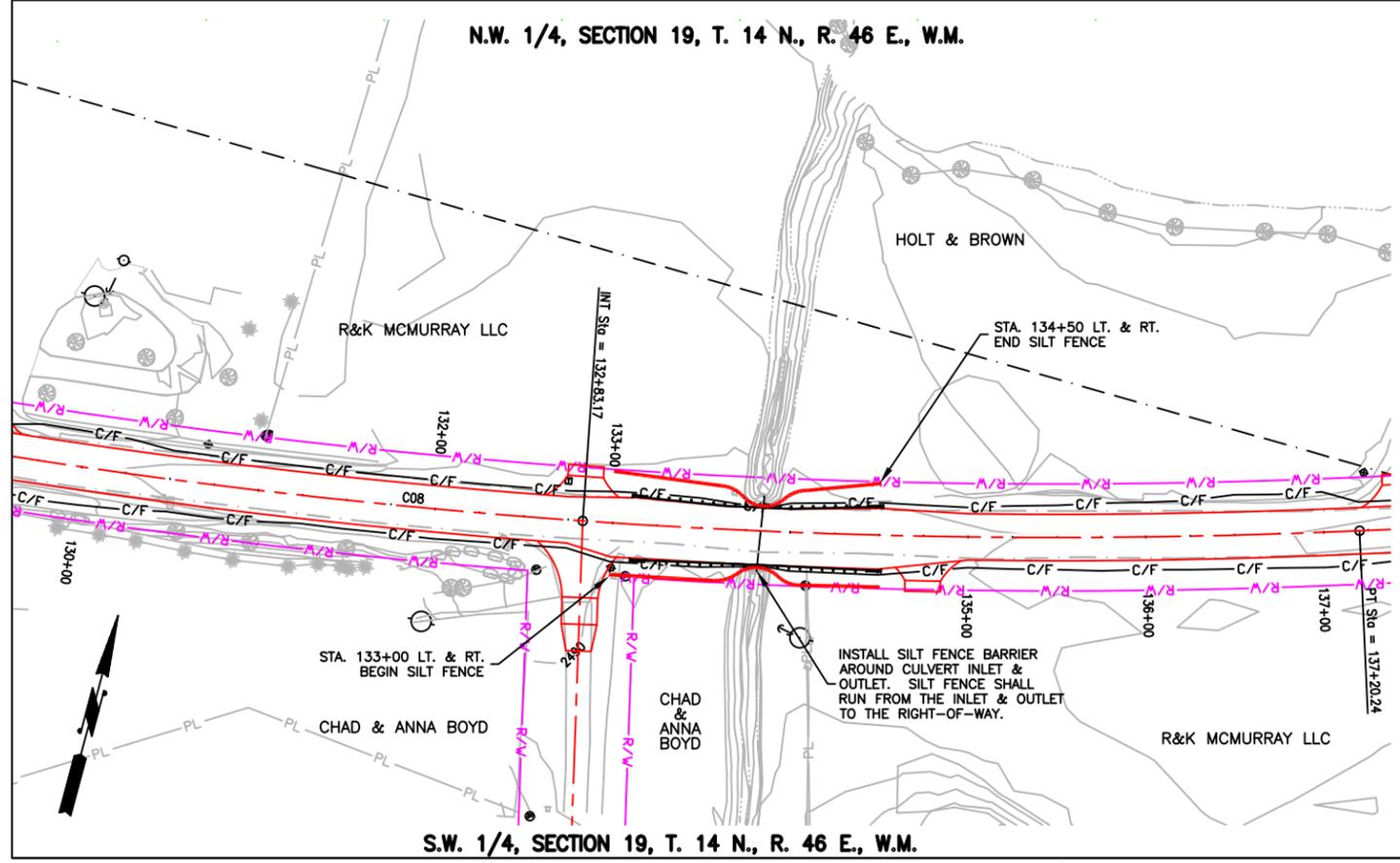
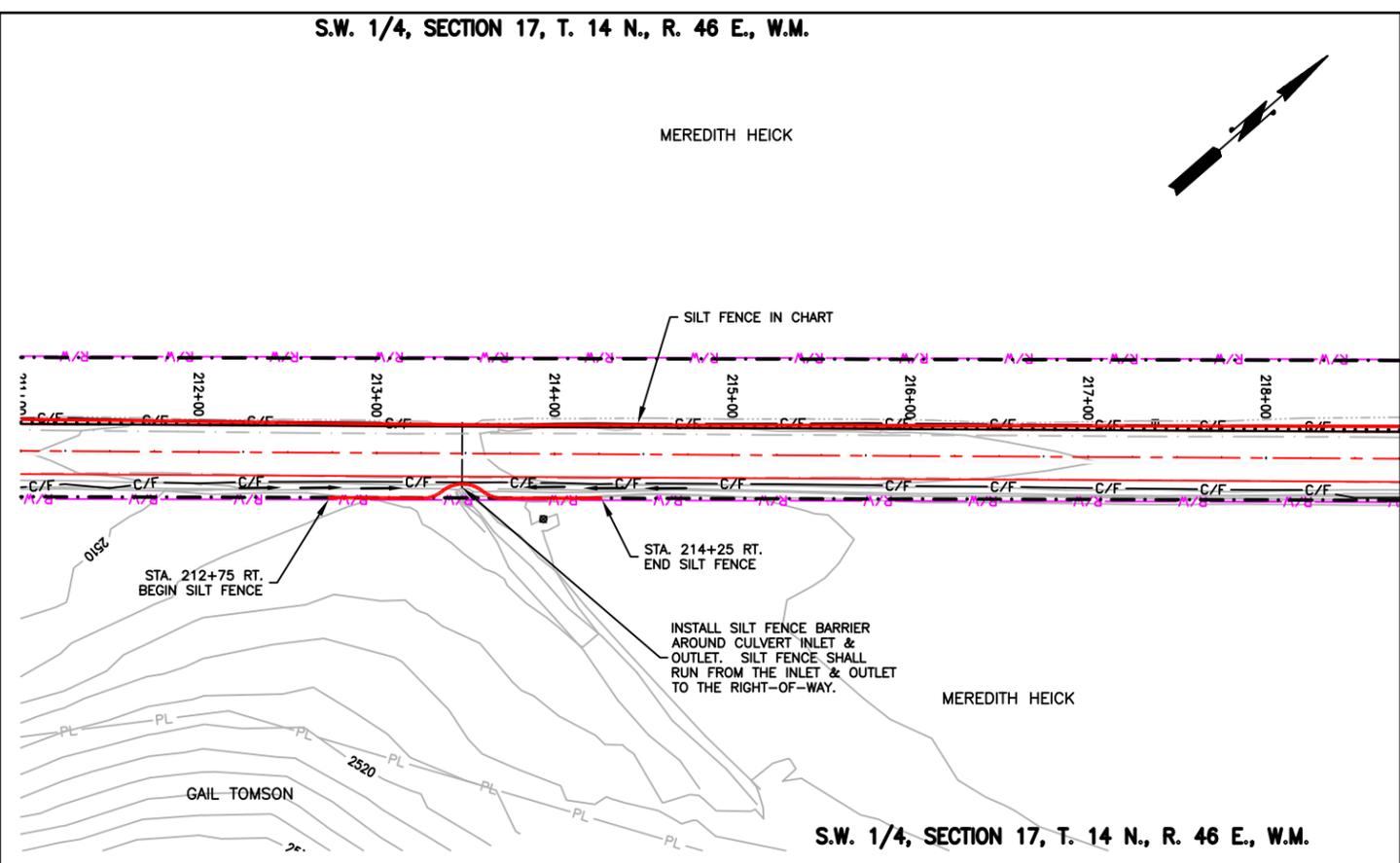
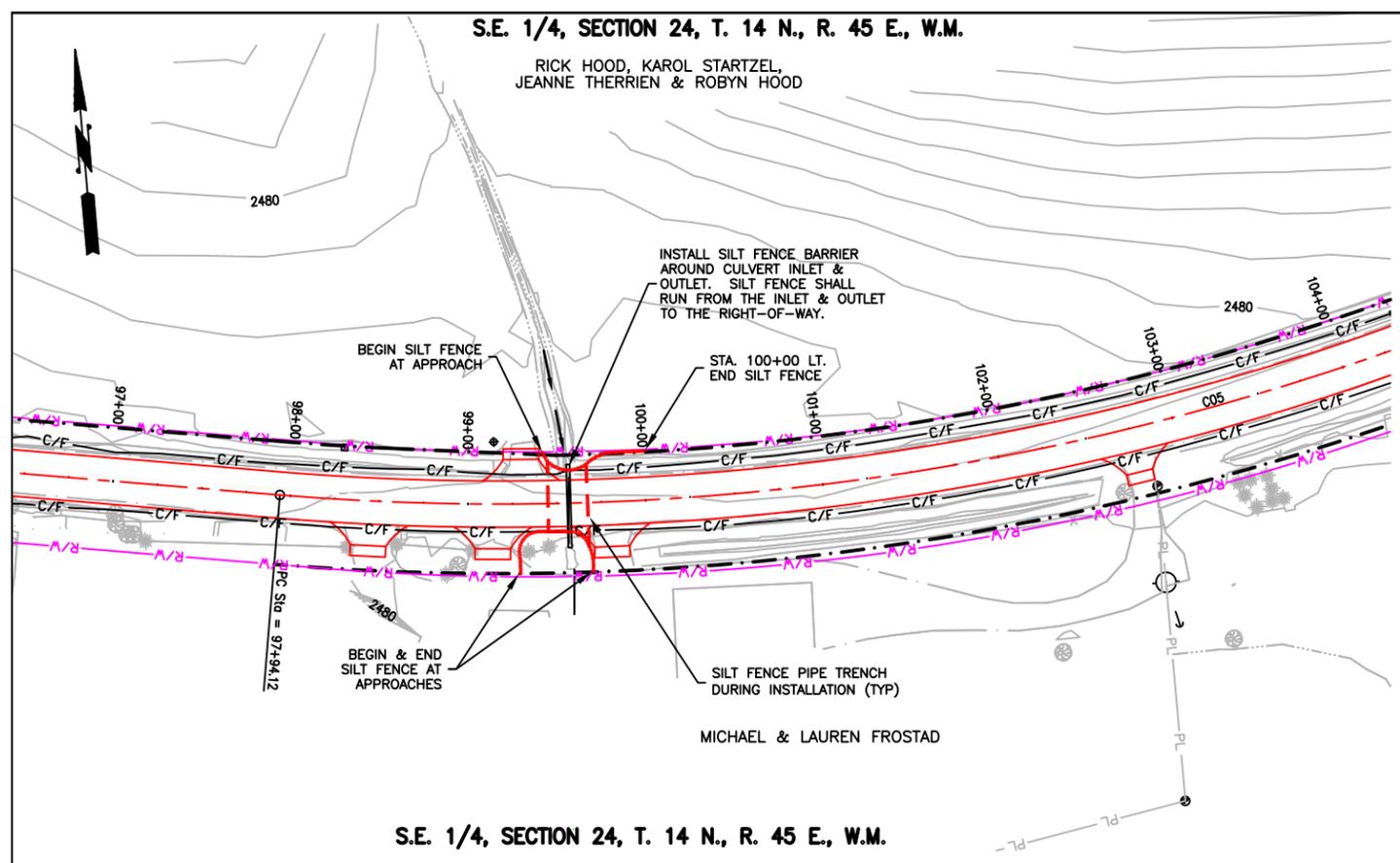
EXPIRES 09-22-16



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MARK STOREY
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 09-22-16

<table border="1"> <tr> <td>No.</td> <td>Date</td> <td>By</td> <td>Ckd.</td> <td>Appr.</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>					No.	Date	By	Ckd.	Appr.						Drawn By: J. MARSHALL Date: 03/2016 Designed By: M. STOREY Date: 03/2016 Checked By: M. STOREY Date: 03/2016		SCALE HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN		WHITMAN COUNTY ENGINEER 310 N. MAIN ST. COLFAX WA. 99111 (509) 397-6206		PLANS PREPARED UNDER THE DIRECTION OF: MARK STOREY, P.E. COUNTY ENGINEER Date: 03/2016		COUNTY ROAD PROJECT NO. 9060-5 PLAN & PROFILE APPROACHES 47+50 RT. & 58+30 RT. SAND ROAD		SHEET 22 OF 37	
No.	Date	By	Ckd.	Appr.																						

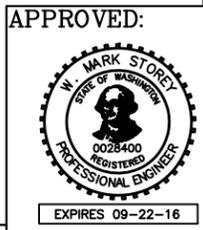


SAND ROAD ALIGNMENT - SILT FENCE BARRIER

BEGIN STA.	END STA.	LEFT/RIGHT
58+75.00	60+25.00	RIGHT
88+00.00	90+50.00	RIGHT
105+00.00	118+50.00	RIGHT
151+50.00	156+50.00	LEFT
176+25.00	178+50.00	RIGHT
176+25.00	183+00.00	LEFT
188+00.00	235+50.00	LEFT

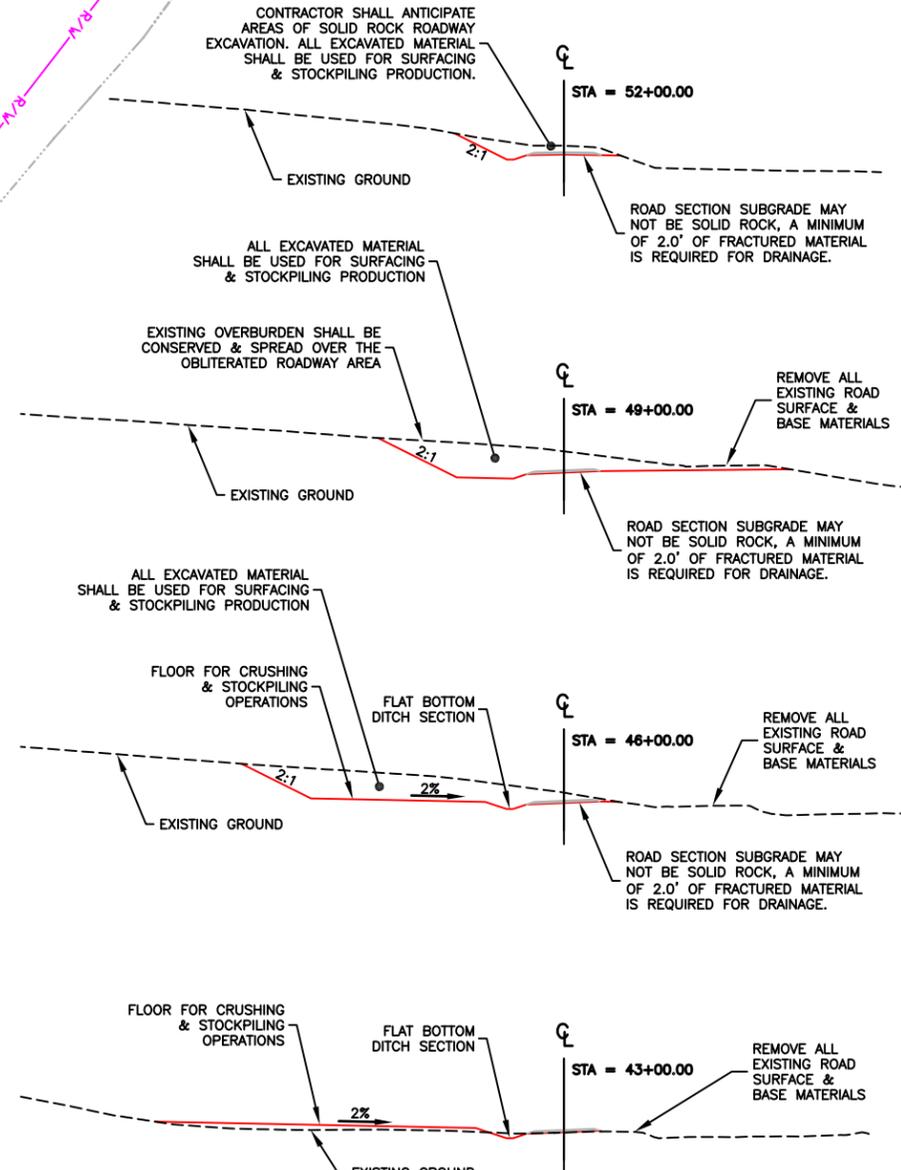
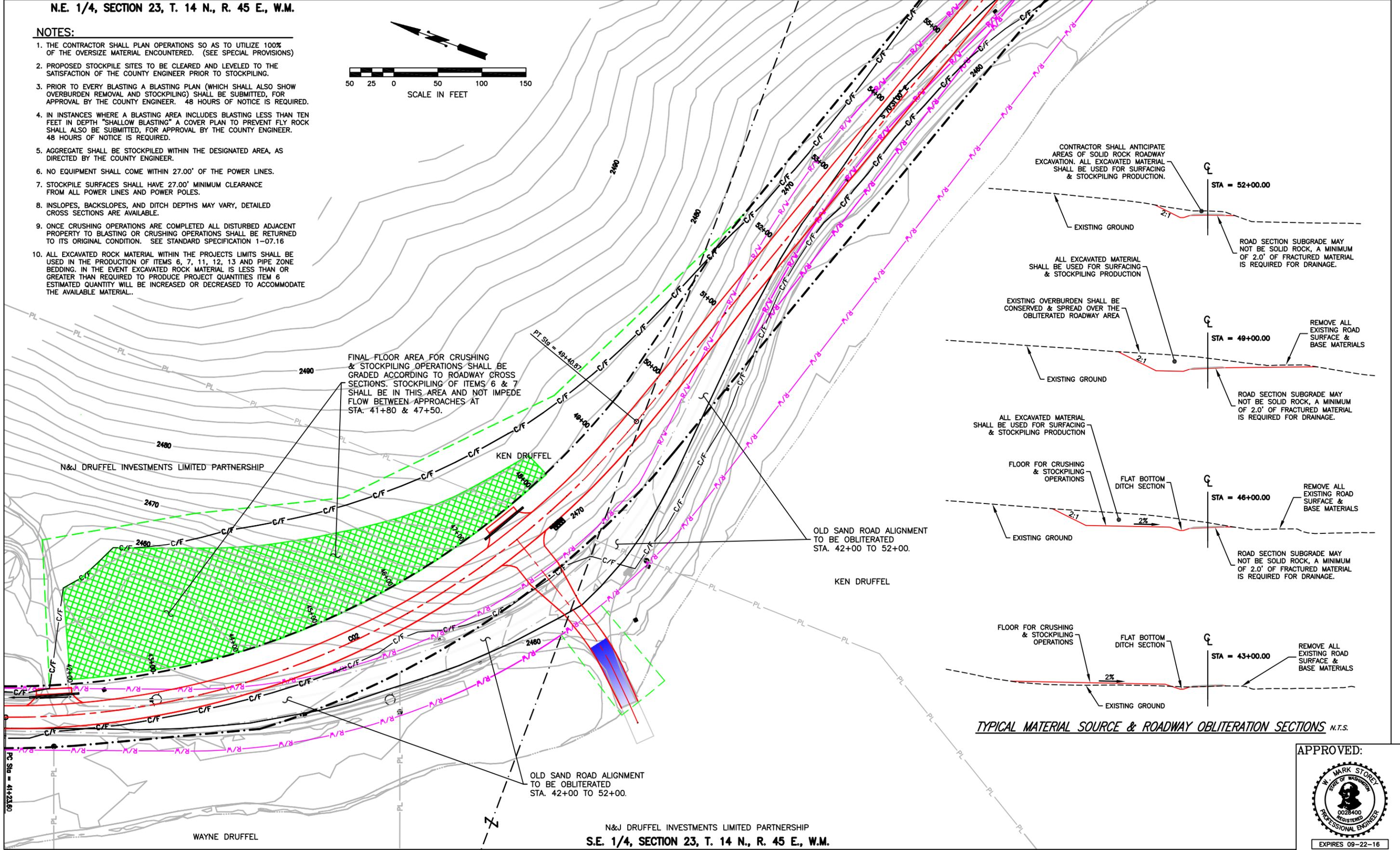
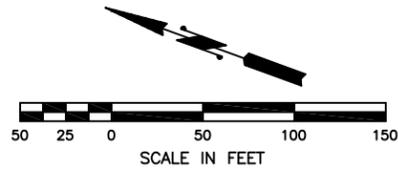
GENERAL TESC NOTES:

1. SILT FENCE BARRIER LOCATIONS AND LENGTHS ARE APPROXIMATE. ACTUAL LOCATIONS, LENGTHS AND QUANTITIES WILL BE AS-STAKED.
2. SILT FENCE BARRIER LOCATIONS SHALL BE INSTALLED AND MAINTAINED PER STANDARD PLANS I-30.10-02, I-30.20-00.
3. WORK REQUIRED TO REMOVE AND RESET TESC PLAN ELEMENTS DURING THE COURSE OF CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND BE INCIDENTAL TO BID ITEM 15.
4. ALL SILT FENCE BARRIER LOCATIONS SHALL BE INSTALLED PRIOR TO ANY CLEARING AND GRUBBING ACTIVITIES.
5. ALL SILT FENCE BARRIER LOCATIONS SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY LIMITS BETWEEN THE CATCH POINT AND THE WETLAND BUFFER AREA OR DRAINAGE BEING PROTECTED.



NOTES:

1. THE CONTRACTOR SHALL PLAN OPERATIONS SO AS TO UTILIZE 100% OF THE OVERSIZE MATERIAL ENCOUNTERED. (SEE SPECIAL PROVISIONS)
2. PROPOSED STOCKPILE SITES TO BE CLEARED AND LEVELED TO THE SATISFACTION OF THE COUNTY ENGINEER PRIOR TO STOCKPILING.
3. PRIOR TO EVERY BLASTING A BLASTING PLAN (WHICH SHALL ALSO SHOW OVERBURDEN REMOVAL AND STOCKPILING) SHALL BE SUBMITTED, FOR APPROVAL BY THE COUNTY ENGINEER. 48 HOURS OF NOTICE IS REQUIRED.
4. IN INSTANCES WHERE A BLASTING AREA INCLUDES BLASTING LESS THAN TEN FEET IN DEPTH "SHALLOW BLASTING" A COVER PLAN TO PREVENT FLY ROCK SHALL ALSO BE SUBMITTED, FOR APPROVAL BY THE COUNTY ENGINEER. 48 HOURS OF NOTICE IS REQUIRED.
5. AGGREGATE SHALL BE STOCKPILED WITHIN THE DESIGNATED AREA, AS DIRECTED BY THE COUNTY ENGINEER.
6. NO EQUIPMENT SHALL COME WITHIN 27.00' OF THE POWER LINES.
7. STOCKPILE SURFACES SHALL HAVE 27.00' MINIMUM CLEARANCE FROM ALL POWER LINES AND POWER POLES.
8. INSLOPES, BACKSLOPES, AND DITCH DEPTHS MAY VARY, DETAILED CROSS SECTIONS ARE AVAILABLE.
9. ONCE CRUSHING OPERATIONS ARE COMPLETED ALL DISTURBED ADJACENT PROPERTY TO BLASTING OR CRUSHING OPERATIONS SHALL BE RETURNED TO ITS ORIGINAL CONDITION. SEE STANDARD SPECIFICATION 1-07.16
10. ALL EXCAVATED ROCK MATERIAL WITHIN THE PROJECTS LIMITS SHALL BE USED IN THE PRODUCTION OF ITEMS 6, 7, 11, 12, 13 AND PIPE ZONE BEDDING. IN THE EVENT EXCAVATED ROCK MATERIAL IS LESS THAN OR GREATER THAN REQUIRED TO PRODUCE PROJECT QUANTITIES ITEM 6 ESTIMATED QUANTITY WILL BE INCREASED OR DECREASED TO ACCOMMODATE THE AVAILABLE MATERIAL.



TYPICAL MATERIAL SOURCE & ROADWAY OBLITERATION SECTIONS N.T.S.

APPROVED:



EXPIRES 09-22-16

No.	Date	By	Ckd.	Appr.

Revision	

Drawn By: J. MARSHALL	Date: 03/2016
Designed By: M. STOREY	Date: 03/2016
Checked By: M. STOREY	Date: 03/2016

SCALE	
HORIZONTAL:	AS SHOWN
VERTICAL:	AS SHOWN

WHITMAN COUNTY ENGINEER	
310 N. MAIN ST. COLFAX WA. 99111 (509) 397-8206	

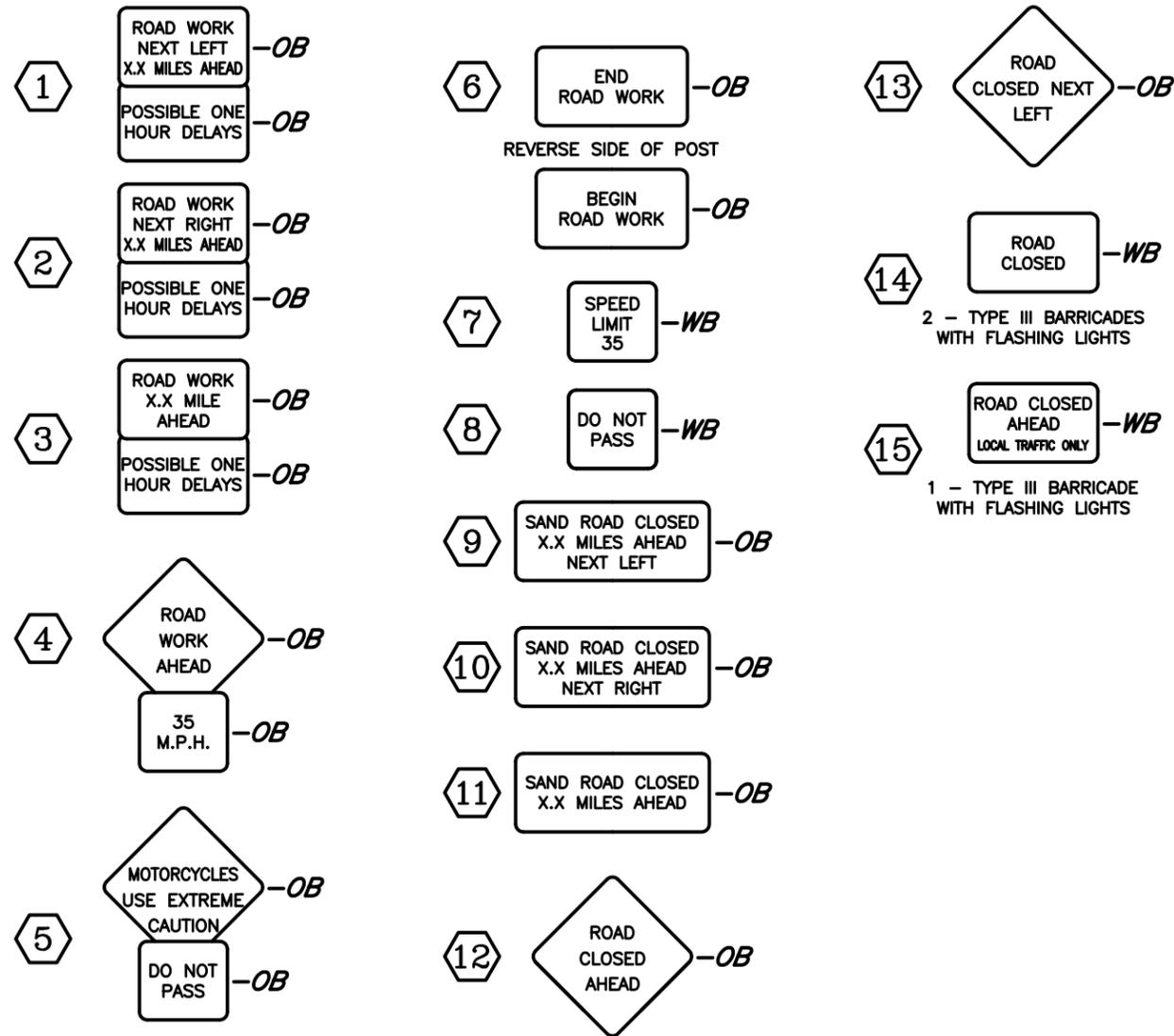
PLANS PREPARED UNDER THE DIRECTION OF: MARK STOREY, P.E. COUNTY ENGINEER	Date: 03/2016
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COUNTY ROAD PROJECT NO. 9060-5
MATERIAL SOURCE & ROADWAY OBLITERATION DETAIL
SAND ROAD

SHEET
25 OF 37

PORTABLE SIGNS & TRAFFIC CONTROL DEVICES

BE PREPARED TO STOP
FLAGMAN AHEAD
ROUGH ROAD
ONE LANE AHEAD
ABRUPT LANE EDGE
SPEED ADVISORY
LOOSE GRAVEL
BUMP
DIP
TRUCK CROSSING
ROAD MACHINERY AHEAD
SHOULDER WORK
PAVEMENT ENDS
EXPECT DELAYS
WAIT FOR PILOT CAR
TYPE 1 BARRICADES AND LIGHTS
CONES
DETOUR ARROWS



CONSTRUCTION SIGN PLAN

NOTES:

1. SEE STANDARD PLANS AND THE CURRENT ADDITION OF THE MUTCD FOR SIGN AND DEVICE SPECIFICATIONS, INSTALLATION CRITERIA AND SPACING.
2. PORTABLE SIGNS AND TRAFFIC CONTROL DEVICES LISTED ARE NOT INTENDED TO BE COMPLETE. OTHER SIGNS MAY BE REQUIRED WITHIN THE PROJECT LIMITS TO ACCOMMODATE CONTRACTOR'S WORK METHODS.
3. WHEN PILOT CAR IS IN USE THE "WAIT FOR PILOT CAR" SIGN SHALL BE USED IN PLACE OF A FLAGMAN AT INTERSECTING ROADS.
4. REMOVAL AND RELOCATION OF PERMANENT SIGNS WILL BE DONE BY THE CONTRACTING AGENCY.
5. TWO NON-CONCURRENT ROAD CLOSURES WILL BE ALLOWED DURING THE PROJECT SEE SHEETS 28 & 29 OF 37. WRITTEN FOUR WEEK NOTICE MUST BE GIVEN TO THE CONTRACTING AGENCY PRIOR TO CLOSING.
6. CONTRACTOR MUST VERIFY SIGN PLACEMENT AND DISTANCES.

WB - INDICATES THAT THE SIGN COLORS ARE WHITE AND BLACK
OB - INDICATES THAT THE SIGN COLORS ARE ORANGE AND BLACK

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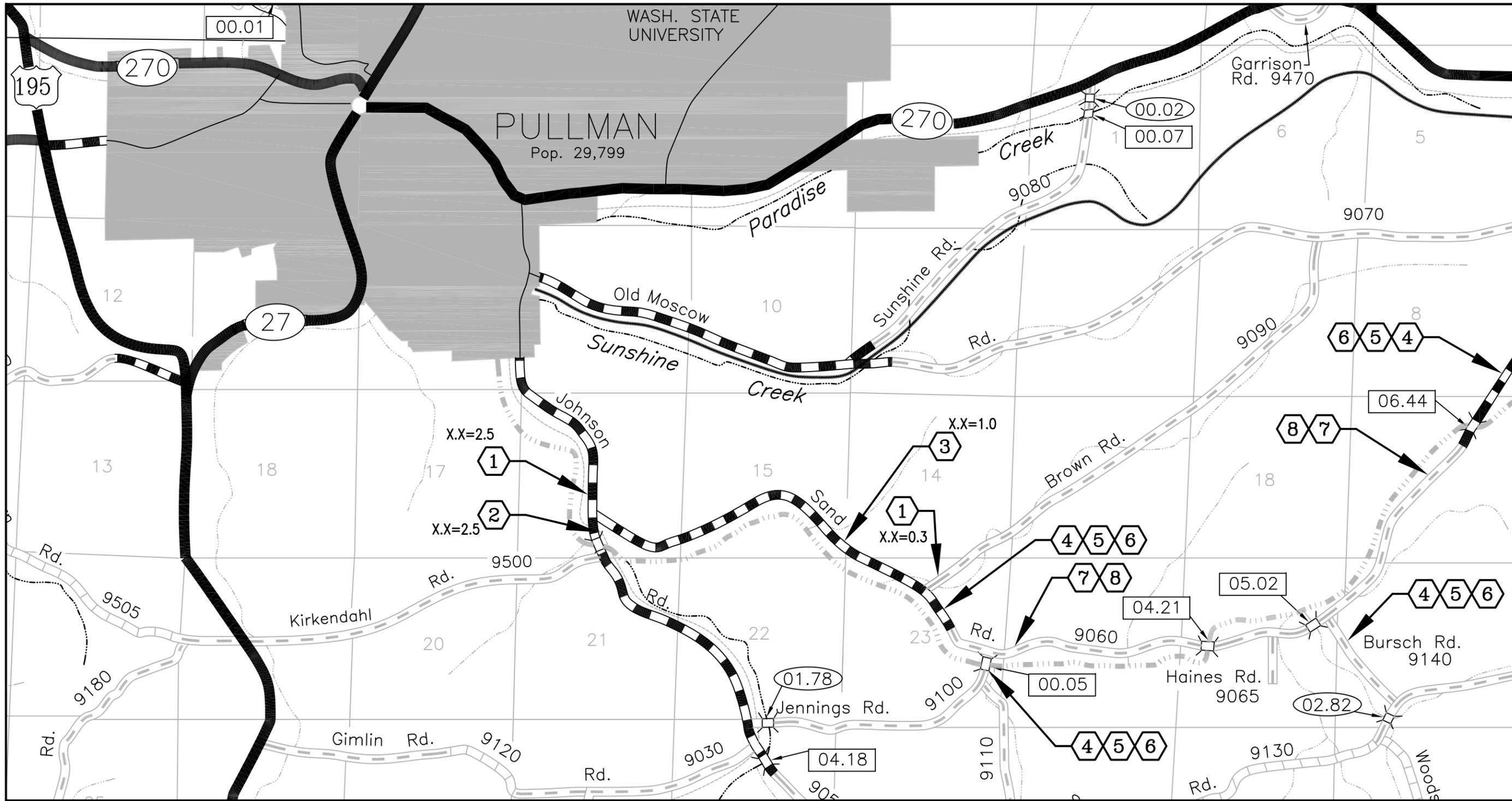
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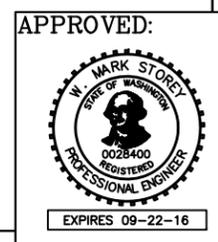
COUNTY ROAD PROJECT NO. 9060-5
SIGN PLAN SHEET 1
 SAND ROAD

SHEET
 26 OF 37



3 X.X=0.6 3 X.X=2.4

PLACE TWO ROAD WORK AHEAD SIGNS IN IDAHO. ONE SHALL BE PRIOR TO THE SAND RD. & WEST SAND RD. INTERSECTION 0.6 MILES BEFORE CONSTRUCTION. THE SECOND LOCATION SHALL BE ON PALOUSE RIVER DR. 2.4 MILES BEFORE CONSTRUCTION ON THE NORTH SIDE OF THE ROAD 200 FT. WEST OF HWY 95.



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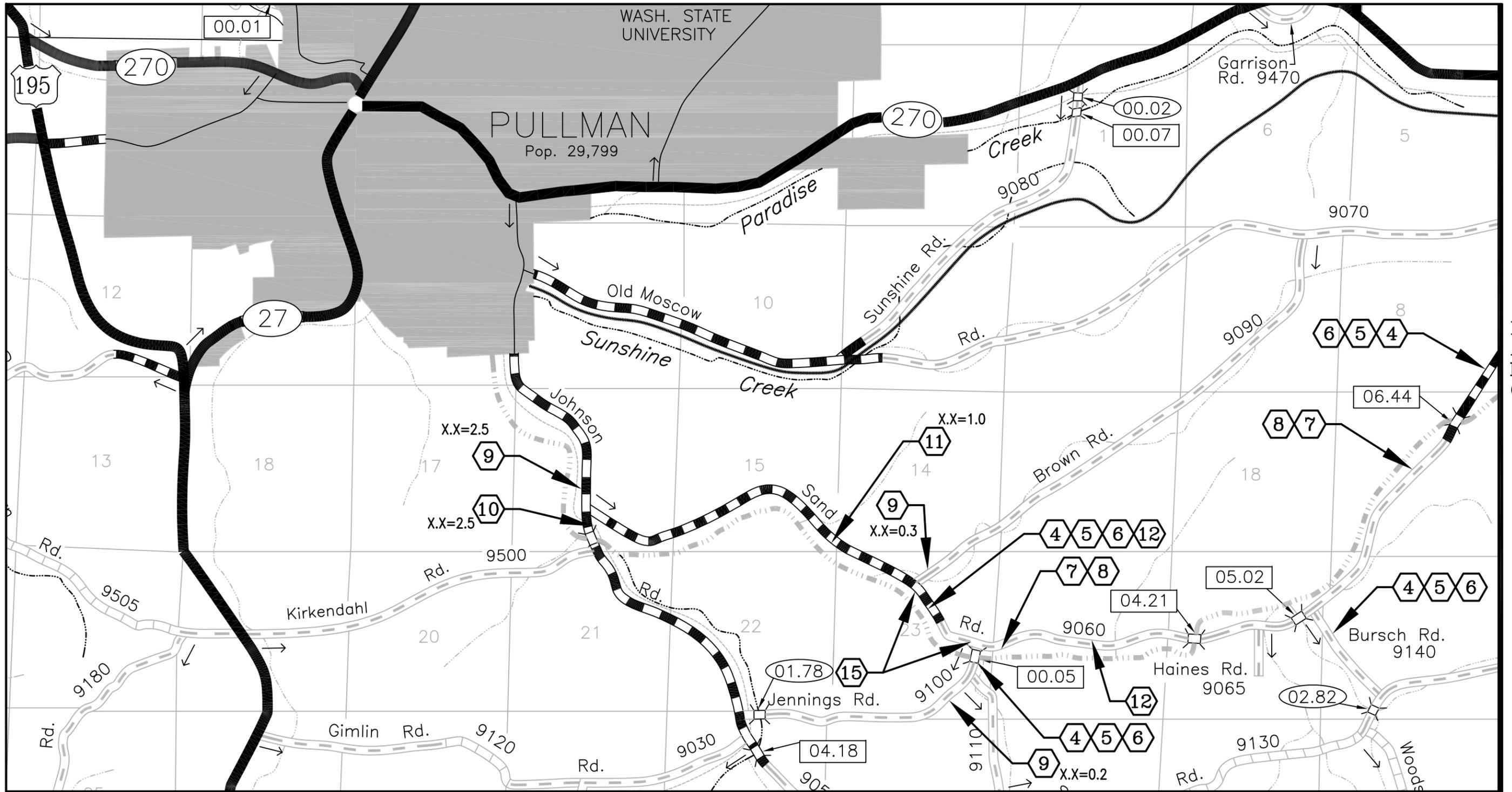
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COUNTY ROAD PROJECT NO. 9060-5
SIGN PLAN SHEET 2
 SAND ROAD

SHEET
 27 OF 37



LOCAL ACCESS MUST BE MAINTAINED AT ALL TIMES FOR THE APPROACH AT 47+50 RT.
MAXIMUM FOUR WEEK ROAD CLOSURE STA. 42+00 TO 47+50

3 X.X=0.6

3 X.X=2.4

14

PLACE TWO ROAD WORK AHEAD SIGNS IN IDAHO. ONE SHALL BE PRIOR TO THE SAND RD. & WEST SAND RD. INTERSECTION 0.6 MILES BEFORE CONSTRUCTION. THE SECOND LOCATION SHALL BE ON PALOUSE RIVER DR. 2.4 MILES BEFORE CONSTRUCTION ON THE NORTH SIDE OF THE ROAD 200 FT. WEST OF HWY 95.

PLACE ROAD CLOSED & TWO -- TYPE III BARRICADES WITH FLASHING LIGHTS AT STA. 42+00 & STA. 47+50

APPROVED:



EXPIRES 09-22-16

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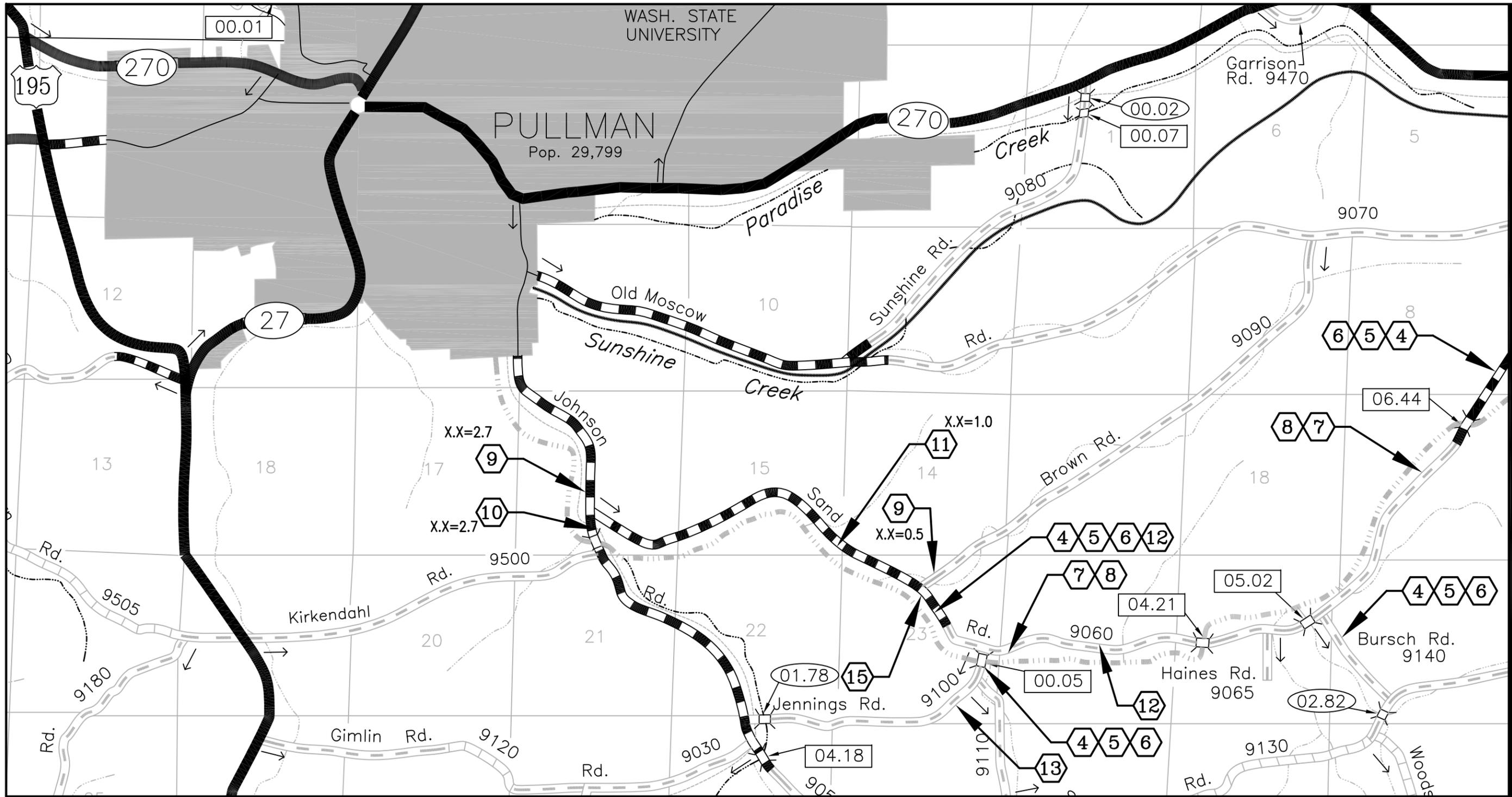
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MARK STOREY, P.E.
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COUNTY ROAD PROJECT NO. 9060-5
SIGN PLAN SHEET 3
 SAND ROAD

SHEET
 28 OF 37



LOCAL ACCESS MUST BE MAINTAINED AT ALL TIMES FOR THE APPROACH AT 47+50 RT.
MAXIMUM FOUR WEEK ROAD CLOSURE STA. 47+50 TO JENNINGS RD.

3 X.X=0.6

3 X.X=2.4

14

PLACE TWO ROAD WORK AHEAD SIGNS IN IDAHO. ONE SHALL BE PRIOR TO THE SAND RD. & WEST SAND RD. INTERSECTION 0.6 MILES BEFORE CONSTRUCTION. THE SECOND LOCATION SHALL BE ON PALOUSE RIVER DR. 2.4 MILES BEFORE CONSTRUCTION ON THE NORTH SIDE OF THE ROAD 200 FT. WEST OF HWY 95.

PLACE ROAD CLOSED & TWO - TYPE III BARRICADES WITH FLASHING LIGHTS AT STA. 47+50 & JENNINGS RD.

APPROVED:



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COUNTY ROAD PROJECT NO. 9060-5
SIGN PLAN SHEET 2
 SAND ROAD

SHEET
 29 OF 37

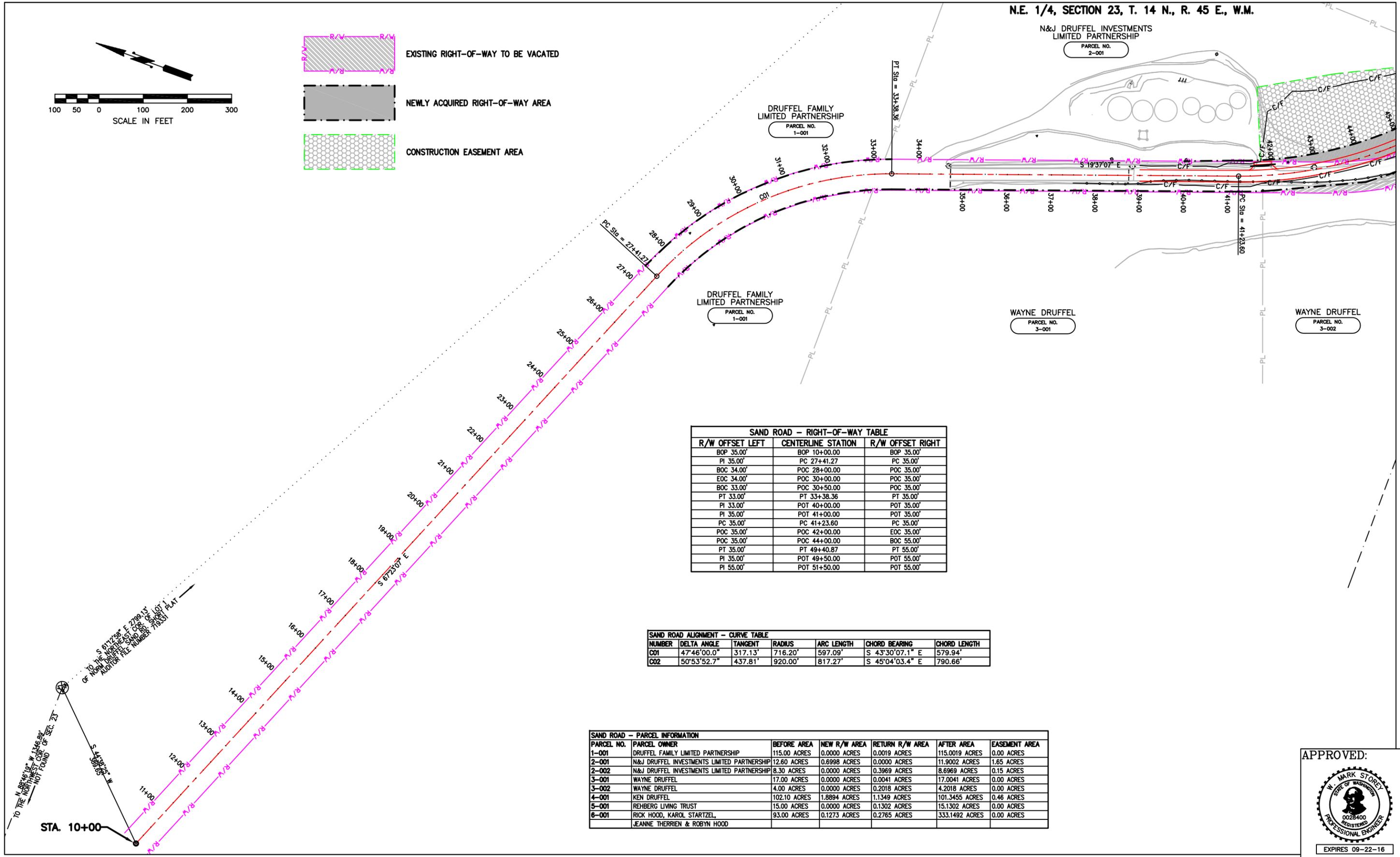
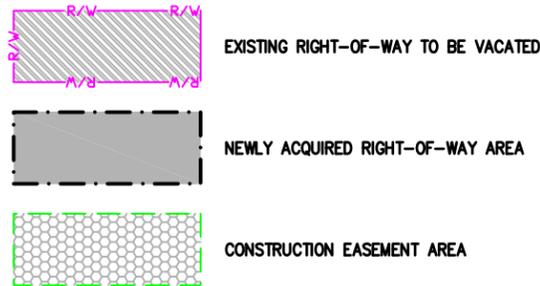
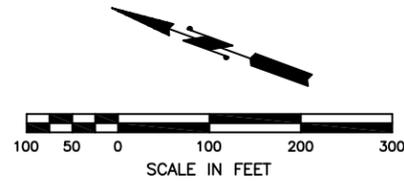
N&J DRUFFEL INVESTMENTS LIMITED PARTNERSHIP
PARCEL NO. 2-001

DRUFFEL FAMILY LIMITED PARTNERSHIP
PARCEL NO. 1-001

DRUFFEL FAMILY LIMITED PARTNERSHIP
PARCEL NO. 1-001

WAYNE DRUFFEL
PARCEL NO. 3-001

WAYNE DRUFFEL
PARCEL NO. 3-002



SAND ROAD - RIGHT-OF-WAY TABLE

R/W OFFSET LEFT	CENTERLINE STATION	R/W OFFSET RIGHT
BOP 35.00'	BOP 10+00.00	BOP 35.00'
PI 35.00'	PC 27+41.27	PC 35.00'
BOC 34.00'	POC 28+00.00	POC 35.00'
EOC 34.00'	POC 30+00.00	POC 35.00'
BOC 33.00'	POC 30+50.00	POC 35.00'
PT 33.00'	PT 33+38.36	PT 35.00'
PI 33.00'	POT 40+00.00	POT 35.00'
PI 35.00'	POT 41+00.00	POT 35.00'
PC 35.00'	PC 41+23.60	PC 35.00'
POC 35.00'	POC 42+00.00	EOC 35.00'
POC 35.00'	POC 44+00.00	BOC 55.00'
PT 35.00'	PT 49+40.87	PT 55.00'
PI 35.00'	POT 49+50.00	POT 55.00'
PI 55.00'	POT 51+50.00	POT 55.00'

SAND ROAD ALIGNMENT - CURVE TABLE

NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C01	47°46'00.0"	317.13'	716.20'	597.09'	S 43°30'07.1" E	579.94'
C02	50°53'52.7"	437.81'	920.00'	817.27'	S 45°04'03.4" E	790.66'

SAND ROAD - PARCEL INFORMATION

PARCEL NO.	PARCEL OWNER	BEFORE AREA	NEW R/W AREA	RETURN R/W AREA	AFTER AREA	EASEMENT AREA
1-001	DRUFFEL FAMILY LIMITED PARTNERSHIP	115.00 ACRES	0.0000 ACRES	0.0019 ACRES	115.0019 ACRES	0.00 ACRES
2-001	N&J DRUFFEL INVESTMENTS LIMITED PARTNERSHIP	12.60 ACRES	0.6998 ACRES	0.0000 ACRES	11.9002 ACRES	1.65 ACRES
2-002	N&J DRUFFEL INVESTMENTS LIMITED PARTNERSHIP	8.30 ACRES	0.0000 ACRES	0.3969 ACRES	8.6969 ACRES	0.15 ACRES
3-001	WAYNE DRUFFEL	17.00 ACRES	0.0000 ACRES	0.0041 ACRES	17.0041 ACRES	0.00 ACRES
3-002	WAYNE DRUFFEL	4.00 ACRES	0.0000 ACRES	0.2018 ACRES	4.2018 ACRES	0.00 ACRES
4-001	KEN DRUFFEL	102.10 ACRES	1.8894 ACRES	1.1349 ACRES	101.3455 ACRES	0.46 ACRES
5-001	REHBERG LIVING TRUST	15.00 ACRES	0.0000 ACRES	0.1302 ACRES	15.1302 ACRES	0.00 ACRES
6-001	RICK HOOD, KAROL STARTZEL, JEANNE THERRIEN & ROBYN HOOD	93.00 ACRES	0.1273 ACRES	0.2765 ACRES	333.1492 ACRES	0.00 ACRES

APPROVED:



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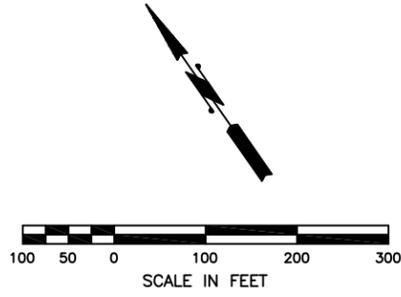
PLANS PREPARED UNDER THE DIRECTION OF:
MARK STOREY, P.E.
COUNTY ENGINEER
Date: 03/2016

COUNTY ROAD PROJECT NO. 9060-5
RIGHT-OF-WAY PLAN
SAND ROAD

SHEET
30 OF 37

N.E. 1/4, SECTION 23, T. 14 N., R. 45 E., W.M.

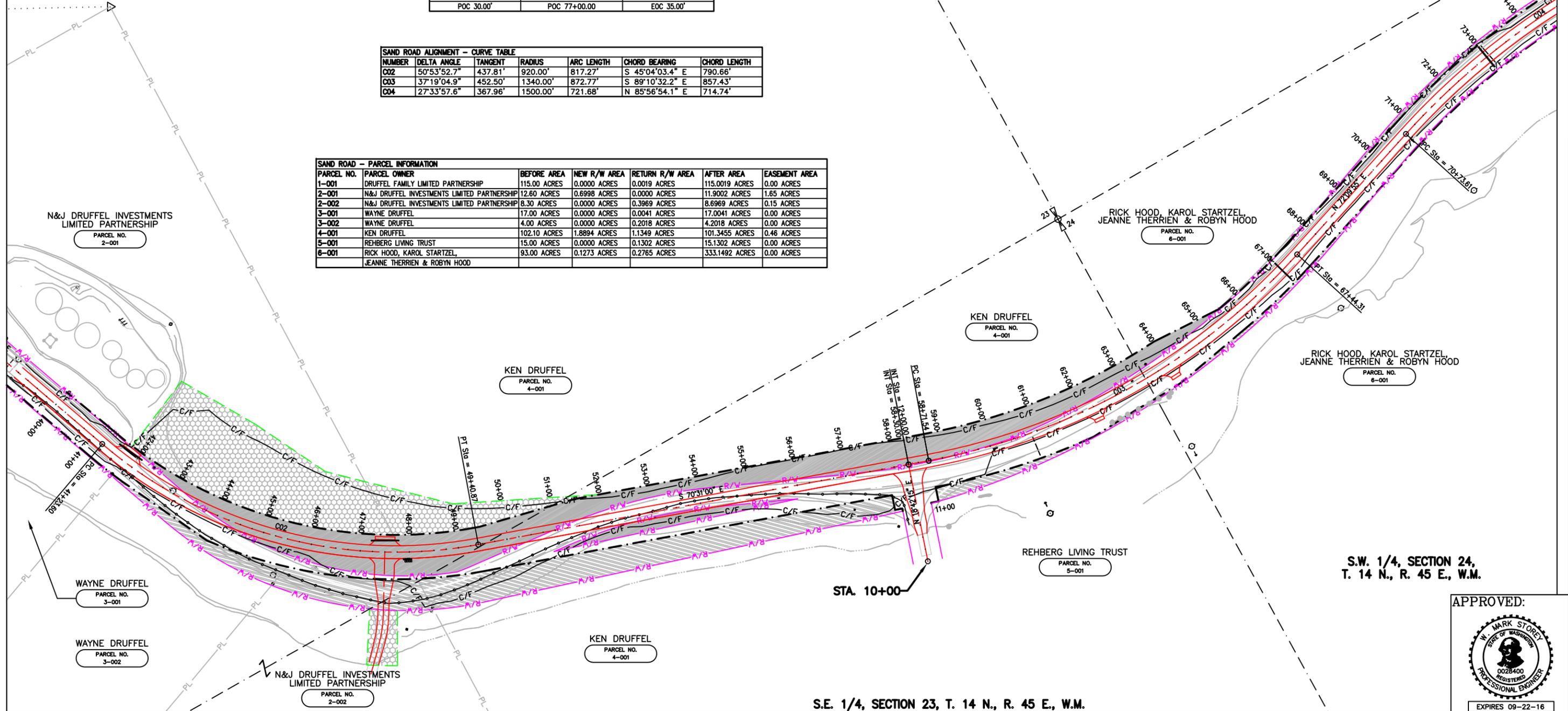
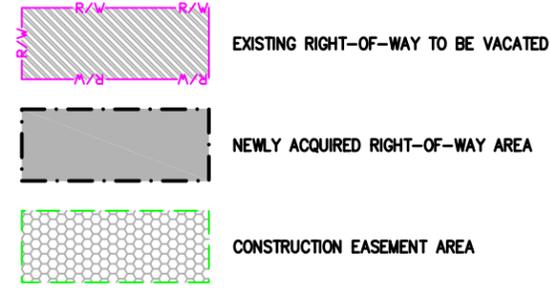
N.W. 1/4, SECTION 24, T. 14 N., R. 45 E., W.M.



SAND ROAD - RIGHT-OF-WAY TABLE		
R/W OFFSET LEFT	CENTERLINE STATION	R/W OFFSET RIGHT
PT 33.00'	PT 33+38.36	PT 35.00'
PI 33.00'	POT 40+00.00	POT 35.00'
PI 35.00'	POT 41+00.00	POT 35.00'
PC 35.00'	PC 41+23.60	PC 35.00'
POC 35.00'	POC 42+00.00	EOC 35.00'
POC 35.00'	POC 44+00.00	BOC 55.00'
PT 35.00'	PT 49+40.87	PT 55.00'
PI 35.00'	POT 49+50.00	POT 55.00'
PI 55.00'	POT 51+50.00	POT 55.00'
PC 55.00'	PC 58+71.54	PC 55.00'
POC 55.00'	POC 62+00.00	EOC 55.00'
POC 55.00'	POC 63+00.00	BOC 45.00'
EOC 55.00'	POC 64+00.00	EOC 45.00'
BOC 30.00'	POC 65+50.00	BOC 35.00'
PT 30.00'	PT 67+44.31	PT 35.00'
PC 30.00'	PC 70+73.61	PC 35.00'
POC 30.00'	POC 77+00.00	EOC 35.00'

SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
CO2	50°53'52.7"	437.81'	920.00'	817.27'	S 45°04'03.4" E	790.66'
CO3	37°19'04.9"	452.50'	1340.00'	872.77'	S 89°10'32.2" E	857.43'
CO4	27°33'57.6"	367.96'	1500.00'	721.68'	N 85°56'54.1" E	714.74'

SAND ROAD - PARCEL INFORMATION						
PARCEL NO.	PARCEL OWNER	BEFORE AREA	NEW R/W AREA	RETURN R/W AREA	AFTER AREA	EASEMENT AREA
1-001	DRUFFEL FAMILY LIMITED PARTNERSHIP	115.00 ACRES	0.0000 ACRES	0.0019 ACRES	115.0019 ACRES	0.00 ACRES
2-001	N&J DRUFFEL INVESTMENTS LIMITED PARTNERSHIP	12.60 ACRES	0.6998 ACRES	0.0000 ACRES	11.9002 ACRES	1.65 ACRES
2-002	N&J DRUFFEL INVESTMENTS LIMITED PARTNERSHIP	8.30 ACRES	0.0000 ACRES	0.3969 ACRES	8.6969 ACRES	0.15 ACRES
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6-001	RICK HOOD, KAROL STARTZEL, JEANNE THERRIEN & ROBYN HOOD	93.00 ACRES	0.1273 ACRES	0.2765 ACRES	333.1492 ACRES	0.00 ACRES



APPROVED:



EXPIRES 09-22-16

S.E. 1/4, SECTION 23, T. 14 N., R. 45 E., W.M.

S.W. 1/4, SECTION 24, T. 14 N., R. 45 E., W.M.

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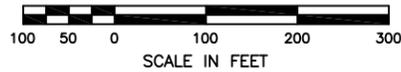
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COUNTY ROAD PROJECT NO. 9060-5
RIGHT-OF-WAY PLAN
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SHEET
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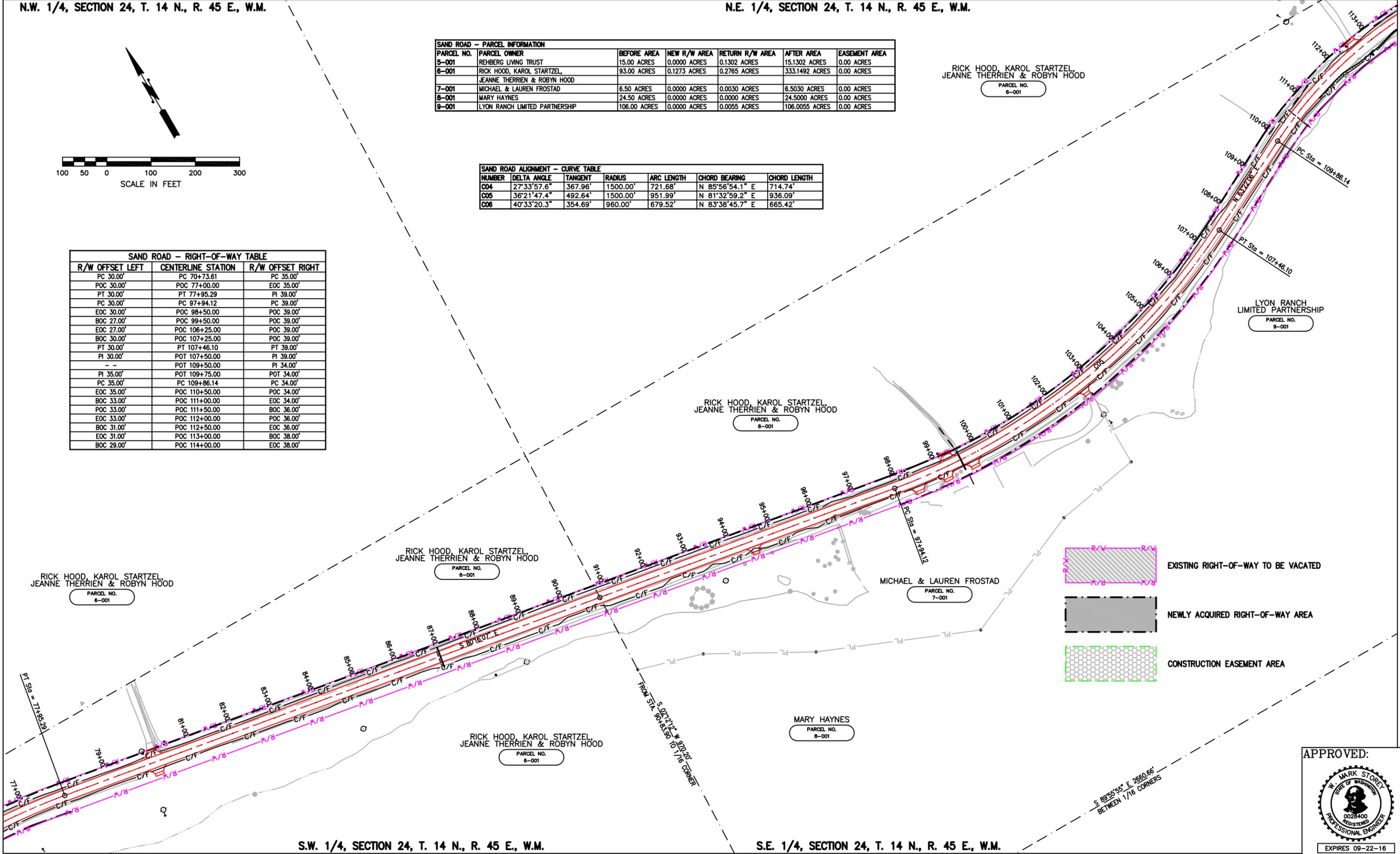
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5-001	REHBERG LIVING TRUST	15.00 ACRES	0.0000 ACRES	0.1302 ACRES	15.1302 ACRES	0.00 ACRES
6-001	RICK HOOD, KAROL STARTZEL, JEANNE THERRIEN & ROBYN HOOD	93.00 ACRES	0.1273 ACRES	0.2765 ACRES	333.1492 ACRES	0.00 ACRES
7-001	MICHAEL & LAUREN FROSTAD	6.50 ACRES	0.0000 ACRES	0.0030 ACRES	6.5030 ACRES	0.00 ACRES
8-001	MARY HAYNES	24.50 ACRES	0.0000 ACRES	0.0000 ACRES	24.5000 ACRES	0.00 ACRES
9-001	LYON RANCH LIMITED PARTNERSHIP	106.00 ACRES	0.0000 ACRES	0.0055 ACRES	106.0055 ACRES	0.00 ACRES

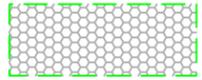
SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
CD4	27°33'57.6"	367.96'	1500.00'	721.68'	N 85°56'54.1" E	714.74'
CD5	36°21'47.4"	492.64'	1500.00'	951.99'	N 81°32'59.2" E	936.09'
CD6	40°33'20.3"	354.69'	960.00'	679.52'	N 83°38'45.7" E	665.42'

SAND ROAD - RIGHT-OF-WAY TABLE		
R/W OFFSET LEFT	CENTERLINE STATION	R/W OFFSET RIGHT
PC 30.00'	PC 70+73.61	PC 35.00'
POC 30.00'	POC 77+00.00	EOC 35.00'
PT 30.00'	PT 77+95.29	PI 39.00'
PC 30.00'	PC 97+94.12	PC 39.00'
EOC 30.00'	POC 98+50.00	POC 39.00'
BOC 27.00'	POC 99+50.00	POC 39.00'
EOC 27.00'	POC 106+25.00	POC 39.00'
BOC 30.00'	POC 107+25.00	POC 39.00'
PT 30.00'	PT 107+46.10	PT 39.00'
PI 30.00'	POT 107+50.00	PI 39.00'
--	POT 109+50.00	PI 34.00'
PI 35.00'	POT 109+75.00	POT 34.00'
PC 35.00'	PC 109+86.14	PC 34.00'
EOC 35.00'	POC 110+50.00	POC 34.00'
BOC 33.00'	POC 111+00.00	EOC 34.00'
POC 33.00'	POC 111+50.00	BOC 36.00'
EOC 33.00'	POC 112+00.00	POC 36.00'
BOC 31.00'	POC 112+50.00	EOC 36.00'
EOC 31.00'	POC 113+00.00	BOC 38.00'
BOC 29.00'	POC 114+00.00	EOC 38.00'



S.W. 1/4, SECTION 24, T. 14 N., R. 45 E., W.M.

S.E. 1/4, SECTION 24, T. 14 N., R. 45 E., W.M.

 EXISTING RIGHT-OF-WAY TO BE VACATED
 NEWLY ACQUIRED RIGHT-OF-WAY AREA
 CONSTRUCTION EASEMENT AREA

APPROVED:



EXPIRES 09-22-16

Drawn By: J. MARSHALL Date: 03/2016 Designed By: M. STOREY Checked By: M. STOREY Date: 03/2016		SCALE HORIZONTAL: AS SHOWN VERTICAL: AS SHOWN		WHITMAN COUNTY ENGINEER 310 N. MAIN ST. COLFAX WA. 99111 (509) 397-8206		PLANS PREPARED UNDER THE DIRECTION OF: MARK STOREY, P.E. COUNTY ENGINEER Date: 03/2016		COUNTY ROAD PROJECT NO. 9060-5 RIGHT-OF-WAY PLAN SAND ROAD		SHEET 32 OF 37	
No.	Date	By	Ckd.	Appr.	Revision						

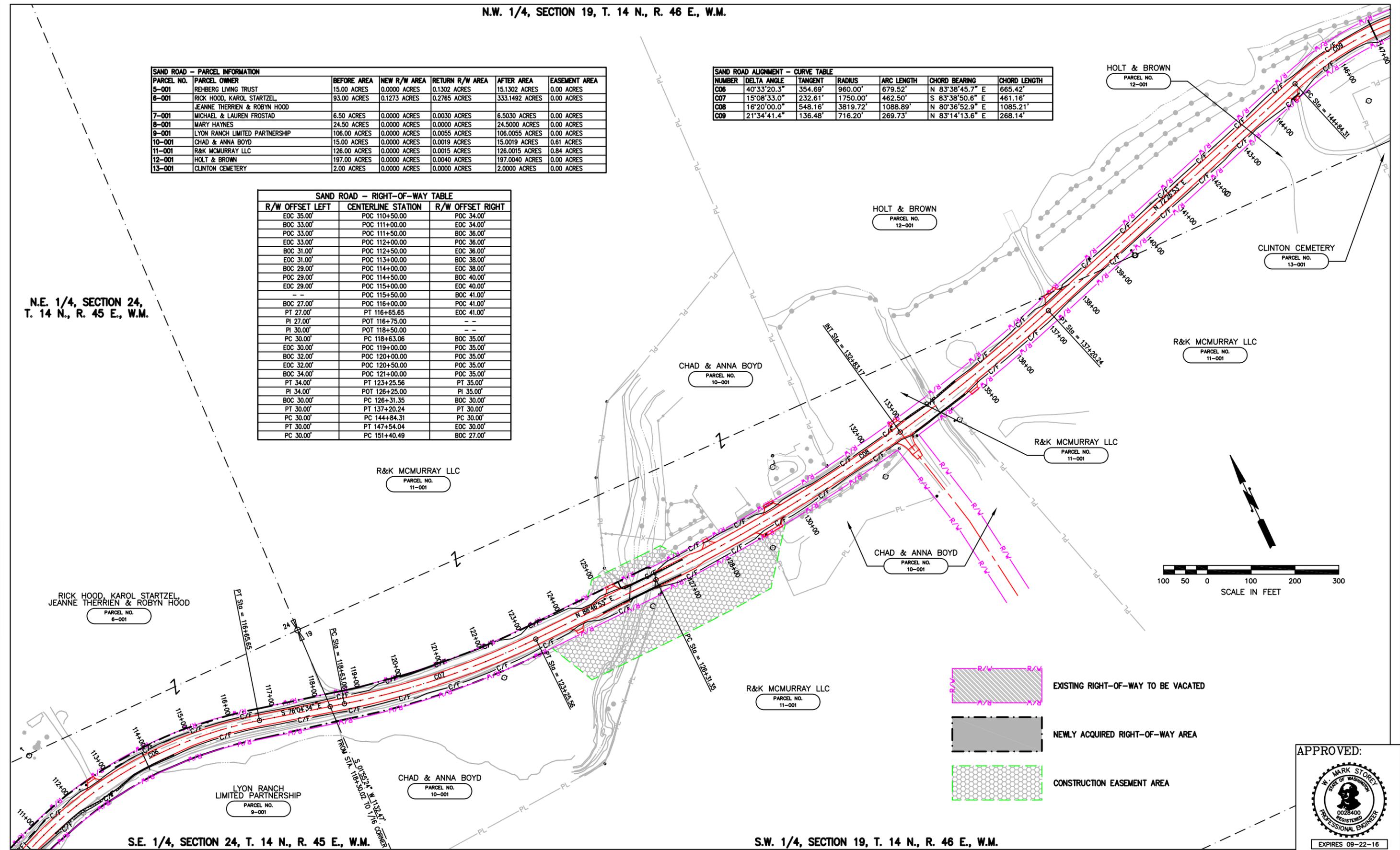
N.W. 1/4, SECTION 19, T. 14 N., R. 46 E., W.M.

SAND ROAD - PARCEL INFORMATION						
PARCEL NO.	PARCEL OWNER	BEFORE AREA	NEW R/W AREA	RETURN R/W AREA	AFTER AREA	EASEMENT AREA
5-001	REHBERG LIVING TRUST	15.00 ACRES	0.0000 ACRES	0.1302 ACRES	15.1302 ACRES	0.00 ACRES
6-001	RICK HOOD, KAROL STARTZEL, JEANNE THERRIEN & ROBYN HOOD	93.00 ACRES	0.1273 ACRES	0.2765 ACRES	333.1492 ACRES	0.00 ACRES
7-001	MICHAEL & LAUREN FROSTAD	6.50 ACRES	0.0000 ACRES	0.0030 ACRES	6.5030 ACRES	0.00 ACRES
8-001	MARY HAYNES	24.50 ACRES	0.0000 ACRES	0.0000 ACRES	24.5000 ACRES	0.00 ACRES
9-001	LYON RANCH LIMITED PARTNERSHIP	106.00 ACRES	0.0000 ACRES	0.0055 ACRES	106.0055 ACRES	0.00 ACRES
10-001	CHAD & ANNA BOYD	15.00 ACRES	0.0000 ACRES	0.0019 ACRES	15.0019 ACRES	0.61 ACRES
11-001	R&K MCMURRAY LLC	126.00 ACRES	0.0000 ACRES	0.0015 ACRES	126.0015 ACRES	0.84 ACRES
12-001	HOLT & BROWN	197.00 ACRES	0.0000 ACRES	0.0040 ACRES	197.0040 ACRES	0.00 ACRES
13-001	CLINTON CEMETERY	2.00 ACRES	0.0000 ACRES	0.0000 ACRES	2.0000 ACRES	0.00 ACRES

SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C06	40°33'20.3"	354.69'	960.00'	679.52'	N 83°38'45.7" E	665.42'
C07	15°08'33.0"	232.61'	1750.00'	462.50'	S 83°38'50.6" E	461.16'
C08	16°20'00.0"	548.16'	3819.72'	1088.89'	N 80°36'52.9" E	1085.21'
C09	21°34'41.4"	136.48'	716.20'	269.73'	N 83°14'13.6" E	268.14'

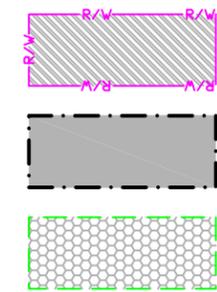
SAND ROAD - RIGHT-OF-WAY TABLE		
R/W OFFSET LEFT	CENTERLINE STATION	R/W OFFSET RIGHT
EOC 35.00'	POC 110+50.00'	POC 34.00'
BOC 33.00'	POC 111+00.00'	EOC 34.00'
POC 33.00'	POC 111+50.00'	BOC 36.00'
EOC 33.00'	POC 112+00.00'	POC 36.00'
BOC 31.00'	POC 112+50.00'	EOC 36.00'
EOC 31.00'	POC 113+00.00'	BOC 38.00'
BOC 29.00'	POC 114+00.00'	EOC 38.00'
POC 29.00'	POC 114+50.00'	BOC 40.00'
EOC 29.00'	POC 115+00.00'	EOC 40.00'
---	POC 115+50.00'	BOC 41.00'
BOC 27.00'	POC 116+00.00'	POC 41.00'
PT 27.00'	PT 116+65.65	EOC 41.00'
PI 27.00'	POT 116+75.00	---
PI 30.00'	POT 118+50.00	---
PC 30.00'	PC 118+63.06	BOC 35.00'
EOC 30.00'	POC 119+00.00'	POC 35.00'
BOC 32.00'	POC 120+00.00'	POC 35.00'
EOC 32.00'	POC 120+50.00'	POC 35.00'
BOC 34.00'	POC 121+00.00'	POC 35.00'
PT 34.00'	PT 123+25.56	PT 35.00'
PI 34.00'	POT 126+25.00	PI 35.00'
BOC 30.00'	PC 126+31.35	BOC 30.00'
PT 30.00'	PT 137+20.24	PT 30.00'
PC 30.00'	PC 144+84.31	PC 30.00'
PT 30.00'	PT 147+54.04	EOC 30.00'
PC 30.00'	PC 151+40.49	BOC 27.00'

N.E. 1/4, SECTION 24,
T. 14 N., R. 45 E., W.M.



S.E. 1/4, SECTION 24, T. 14 N., R. 45 E., W.M.

S.W. 1/4, SECTION 19, T. 14 N., R. 46 E., W.M.



 EXISTING RIGHT-OF-WAY TO BE VACATED

 NEWLY ACQUIRED RIGHT-OF-WAY AREA

 CONSTRUCTION EASEMENT AREA

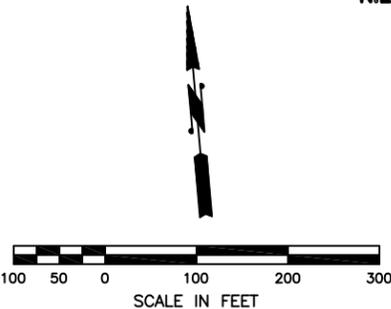
APPROVED:



EXPIRES 09-22-16

N.E. 1/4, SECTION 19, T. 14 N., R. 46 E., W.M.

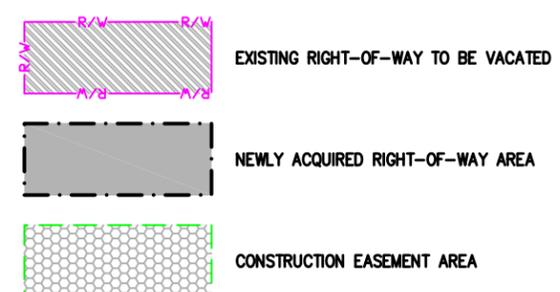
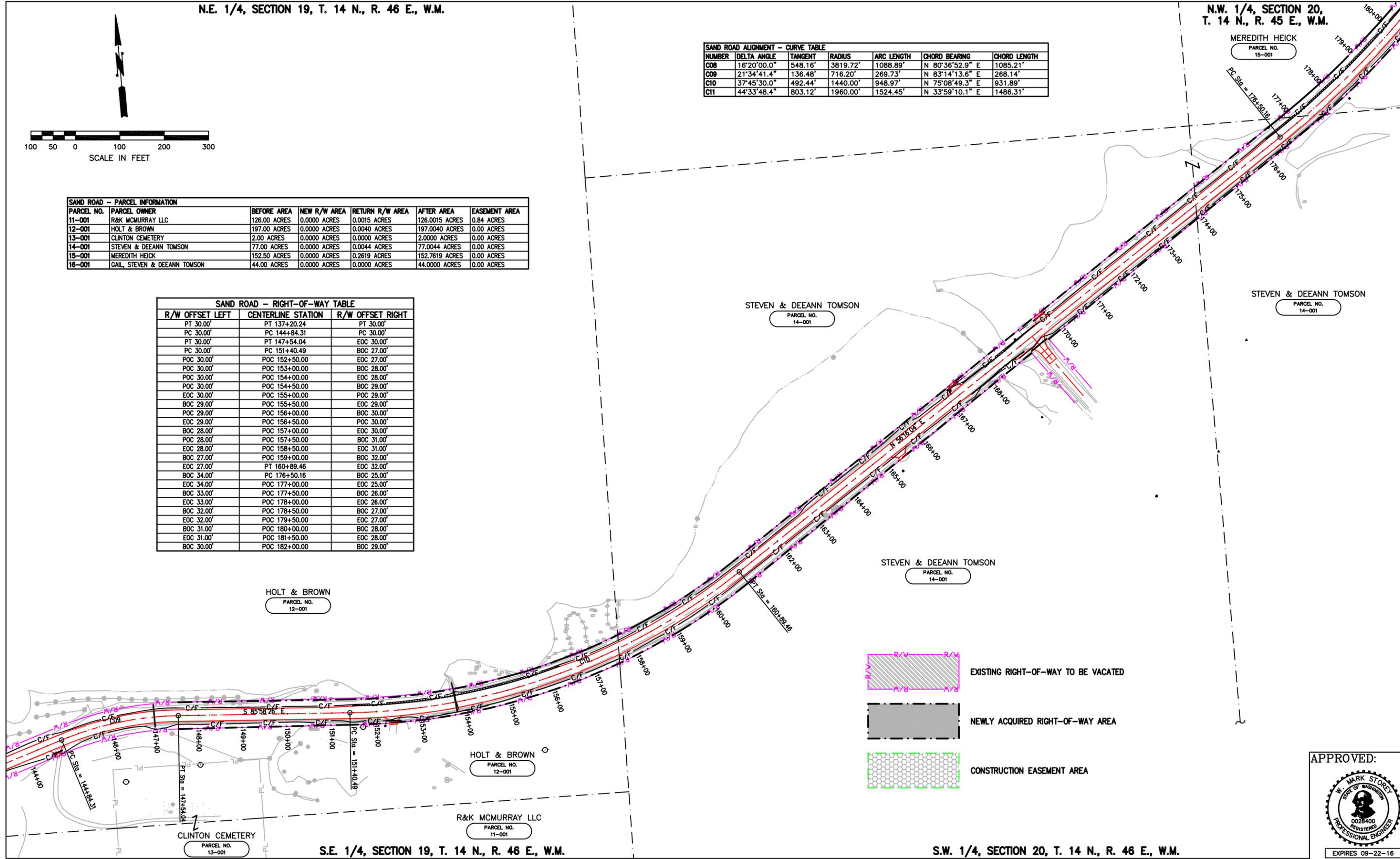
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T. 14 N., R. 45 E., W.M.



SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C08	16°20'00.0"	548.16'	3819.72'	1088.89'	N 80°36'52.9" E	1085.21'
C09	21°34'41.4"	136.48'	716.20'	269.73'	N 83°14'13.6" E	268.14'
C10	37°45'30.0"	492.44'	1440.00'	948.97'	N 75°08'49.3" E	931.89'
C11	44°33'48.4"	803.12'	1960.00'	1524.45'	N 33°59'10.1" E	1486.31'

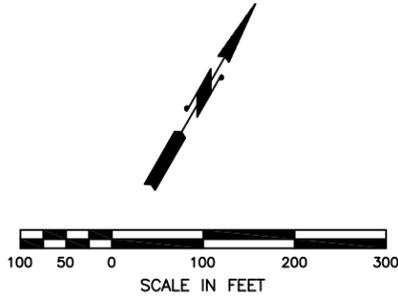
SAND ROAD - PARCEL INFORMATION						
PARCEL NO.	PARCEL OWNER	BEFORE AREA	NEW R/W AREA	RETURN R/W AREA	AFTER AREA	EASEMENT AREA
11-001	R&K MCMURRAY LLC	126.00 ACRES	0.0000 ACRES	0.0015 ACRES	126.0015 ACRES	0.84 ACRES
12-001	HOLT & BROWN	197.00 ACRES	0.0000 ACRES	0.0040 ACRES	197.0040 ACRES	0.00 ACRES
13-001	CLINTON CEMETERY	2.00 ACRES	0.0000 ACRES	0.0000 ACRES	2.0000 ACRES	0.00 ACRES
14-001	STEVEN & DEEANN TOMSON	77.00 ACRES	0.0000 ACRES	0.0044 ACRES	77.0044 ACRES	0.00 ACRES
15-001	MEREDITH HEICK	152.50 ACRES	0.0000 ACRES	0.2619 ACRES	152.7619 ACRES	0.00 ACRES
16-001	GAIL, STEVEN & DEEANN TOMSON	44.00 ACRES	0.0000 ACRES	0.0000 ACRES	44.0000 ACRES	0.00 ACRES

SAND ROAD - RIGHT-OF-WAY TABLE		
R/W OFFSET LEFT	CENTERLINE STATION	R/W OFFSET RIGHT
PT 30.00'	PT 137+20.24	PT 30.00'
PC 30.00'	PC 144+84.31	PC 30.00'
PT 30.00'	PT 147+54.04	EOC 30.00'
PC 30.00'	PC 151+40.49	BOC 27.00'
POC 30.00'	POC 152+50.00	EOC 27.00'
POC 30.00'	POC 153+00.00	BOC 28.00'
POC 30.00'	POC 154+00.00	EOC 28.00'
POC 30.00'	POC 154+50.00	BOC 29.00'
EOC 30.00'	POC 155+00.00	POC 29.00'
BOC 29.00'	POC 155+50.00	EOC 29.00'
POC 29.00'	POC 156+00.00	BOC 30.00'
EOC 29.00'	POC 156+50.00	POC 30.00'
BOC 28.00'	POC 157+00.00	EOC 30.00'
POC 28.00'	POC 157+50.00	BOC 31.00'
EOC 28.00'	POC 158+50.00	EOC 31.00'
BOC 27.00'	POC 159+00.00	BOC 32.00'
EOC 27.00'	PT 160+89.46	EOC 32.00'
BOC 34.00'	PC 176+50.16	BOC 25.00'
EOC 34.00'	POC 177+00.00	EOC 25.00'
BOC 33.00'	POC 177+50.00	BOC 26.00'
EOC 33.00'	POC 178+00.00	EOC 26.00'
BOC 32.00'	POC 178+50.00	BOC 27.00'
EOC 32.00'	POC 179+50.00	EOC 27.00'
BOC 31.00'	POC 180+00.00	BOC 28.00'
EOC 31.00'	POC 181+50.00	EOC 28.00'
BOC 30.00'	POC 182+00.00	BOC 29.00'



APPROVED:

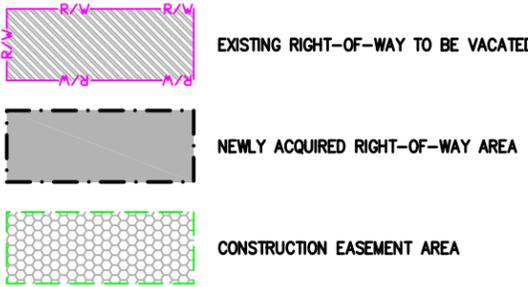
S.W. 1/4, SECTION 17, T. 14 N., R. 46 E., W.M.



SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C10	37°45'30.0"	492.44'	1440.00'	948.97'	N 75°08'49.3" E	931.89'
C11	44°33'48.4"	803.12'	1960.00'	1524.45'	N 33°59'10.1" E	1486.31'
C12	29°37'14.4"	507.66'	1920.00'	992.60'	N 26°30'53.1" E	981.58'
C13	23°21'37.4"	296.12'	1432.39'	584.01'	N 29°38'41.6" E	579.97'

SAND ROAD - PARCEL INFORMATION						
PARCEL NO.	PARCEL OWNER	BEFORE AREA	NEW R/W AREA	RETURN R/W AREA	AFTER AREA	EASEMENT AREA
14-001	STEVEN & DEEANN TOMSON	77.00 ACRES	0.0000 ACRES	0.0044 ACRES	77.0044 ACRES	0.00 ACRES
15-001	MEREDITH HEICK	152.50 ACRES	0.0000 ACRES	0.2619 ACRES	152.7619 ACRES	0.00 ACRES
16-001	GAIL, STEVEN & DEEANN TOMSON	44.00 ACRES	0.0000 ACRES	0.0000 ACRES	44.0000 ACRES	0.00 ACRES
17-001	GAIL TOMSON	48.00 ACRES	0.0000 ACRES	0.0004 ACRES	48.0004 ACRES	0.00 ACRES
18-001	SAND RD. LAND CO.	69.00 ACRES	0.0000 ACRES	0.0007 ACRES	69.0007 ACRES	0.00 ACRES

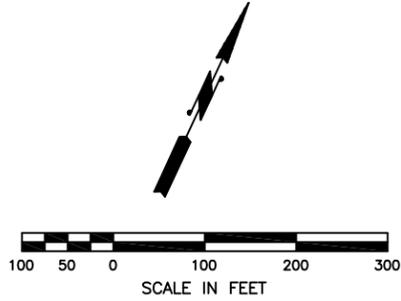
SAND ROAD - RIGHT-OF-WAY TABLE		
R/W OFFSET LEFT	CENTERLINE STATION	R/W OFFSET RIGHT
BOC 33.00'	POC 177+50.00	BOC 26.00'
EOC 33.00'	POC 178+00.00	EOC 26.00'
BOC 32.00'	POC 178+50.00	BOC 27.00'
EOC 32.00'	POC 179+50.00	EOC 27.00'
BOC 31.00'	POC 180+00.00	BOC 28.00'
EOC 31.00'	POC 181+50.00	EOC 28.00'
BOC 30.00'	POC 182+00.00	BOC 29.00'
EOC 30.00'	POC 186+50.00	EOC 29.00'
BOC 31.00'	POC 187+00.00	BOC 28.00'
EOC 31.00'	POC 188+50.00	EOC 28.00'
BOC 32.00'	POC 187+00.00	BOC 27.00'
EOC 32.00'	POC 189+00.00	EOC 27.00'
BOC 33.00'	POC 190+50.00	BOC 26.00'
EOC 33.00'	POC 191+25.00	EOC 26.00'
PI 34.00'	PT 191+74.61	PI 25.00'
BOC 37.00'	PC 196+91.12	BOC 22.00'
EOC 37.00'	POC 197+00.00	EOC 22.00'
BOC 36.00'	POC 197+50.00	BOC 23.00'
EOC 36.00'	POC 198+00.00	EOC 23.00'
BOC 35.00'	POC 198+50.00	BOC 24.00'
EOC 35.00'	POC 199+00.00	EOC 24.00'
BOC 34.00'	POC 199+50.00	BOC 25.00'
EOC 34.00'	POC 200+00.00	EOC 25.00'
BOC 33.00'	POC 200+50.00	BOC 26.00'
EOC 33.00'	POC 201+00.00	EOC 26.00'
BOC 32.00'	POC 201+50.00	BOC 27.00'
EOC 32.00'	POC 202+00.00	EOC 27.00'
BOC 31.00'	POC 202+50.00	BOC 28.00'
EOC 31.00'	POC 203+00.00	EOC 28.00'
BOC 30.00'	POC 203+50.00	BOC 29.00'
EOC 30.00'	POC 203+75.00	EOC 28.00'
BOC 29.00'	POC 204+25.00	PI 30.00'
POC 29.00'	POC 204+30.00	BOC 25.00'
EOC 29.00'	POC 204+35.00	POC 25.00'
BOC 51.00'	POC 204+50.00	EOC 25.00'
POC 51.00'	POC 205+00.00	BOC 26.00'
POC 51.00'	POC 205+50.00	EOC 26.00'
POC 51.00'	POC 206+00.00	BOC 27.00'
PI 51.00'	PT 206+83.72	PI 27.00'
BOC 61.00'	PC 235+80.60	BOC 18.00'



N.W. 1/4, SECTION 20, T. 14 N., R. 46 E., W.M.

N.W. 1/4, SECTION 17, T. 14 N., R. 46 E., W.M.

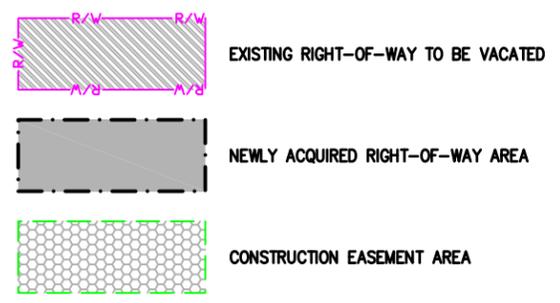
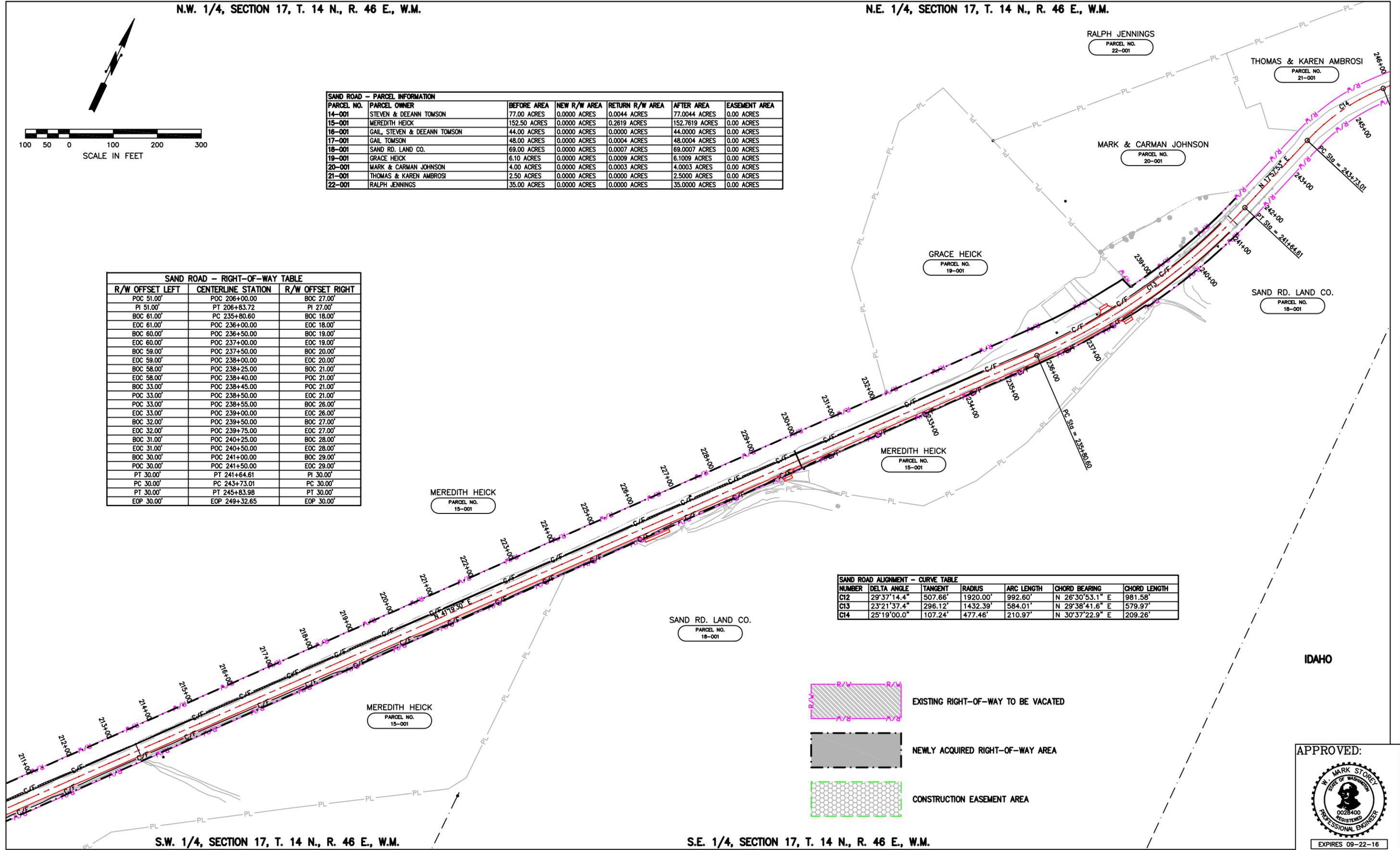
N.E. 1/4, SECTION 17, T. 14 N., R. 46 E., W.M.



SAND ROAD - PARCEL INFORMATION						
PARCEL NO.	PARCEL OWNER	BEFORE AREA	NEW R/W AREA	RETURN R/W AREA	AFTER AREA	EASEMENT AREA
14-001	STEVEN & DEEANN TOMSON	77.00 ACRES	0.0000 ACRES	0.0044 ACRES	77.0044 ACRES	0.00 ACRES
15-001	MEREDITH HEICK	152.50 ACRES	0.0000 ACRES	0.2619 ACRES	152.7619 ACRES	0.00 ACRES
16-001	GAIL, STEVEN & DEEANN TOMSON	44.00 ACRES	0.0000 ACRES	0.0000 ACRES	44.0000 ACRES	0.00 ACRES
17-001	GAIL TOMSON	48.00 ACRES	0.0000 ACRES	0.0004 ACRES	48.0004 ACRES	0.00 ACRES
18-001	SAND RD. LAND CO.	69.00 ACRES	0.0000 ACRES	0.0007 ACRES	69.0007 ACRES	0.00 ACRES
19-001	GRACE HEICK	6.10 ACRES	0.0000 ACRES	0.0009 ACRES	6.1009 ACRES	0.00 ACRES
20-001	MARK & CARMAN JOHNSON	4.00 ACRES	0.0000 ACRES	0.0003 ACRES	4.0003 ACRES	0.00 ACRES
21-001	THOMAS & KAREN AMBROSI	2.50 ACRES	0.0000 ACRES	0.0000 ACRES	2.5000 ACRES	0.00 ACRES
22-001	RALPH JENNINGS	35.00 ACRES	0.0000 ACRES	0.0000 ACRES	35.0000 ACRES	0.00 ACRES

SAND ROAD - RIGHT-OF-WAY TABLE		
R/W OFFSET LEFT	CENTERLINE STATION	R/W OFFSET RIGHT
POC 51.00'	POC 206+00.00	BOC 27.00'
PI 51.00'	PT 206+83.72	PI 27.00'
BOC 61.00'	PC 235+80.60	BOC 18.00'
EOC 61.00'	POC 236+00.00	EOC 18.00'
BOC 60.00'	POC 236+50.00	BOC 19.00'
EOC 60.00'	POC 237+00.00	EOC 19.00'
BOC 59.00'	POC 237+50.00	BOC 20.00'
EOC 59.00'	POC 238+00.00	EOC 20.00'
BOC 58.00'	POC 238+25.00	BOC 21.00'
EOC 58.00'	POC 238+40.00	POC 21.00'
BOC 33.00'	POC 238+45.00	POC 21.00'
POC 33.00'	POC 238+50.00	EOC 21.00'
POC 33.00'	POC 238+55.00	BOC 26.00'
EOC 33.00'	POC 239+00.00	EOC 26.00'
BOC 32.00'	POC 239+50.00	BOC 27.00'
EOC 32.00'	POC 239+75.00	EOC 27.00'
BOC 31.00'	POC 240+25.00	BOC 28.00'
EOC 31.00'	POC 240+50.00	EOC 28.00'
BOC 30.00'	POC 241+00.00	BOC 29.00'
POC 30.00'	POC 241+50.00	EOC 29.00'
PT 30.00'	PT 241+64.61	PI 30.00'
PC 30.00'	PC 243+73.01	PC 30.00'
PT 30.00'	PT 245+83.98	PT 30.00'
EOP 30.00'	EOP 249+32.65	EOP 30.00'

SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C12	29°37'14.4"	507.66'	1920.00'	992.60'	N 26°30'53.1" E	981.58'
C13	23°21'37.4"	296.12'	1432.39'	584.01'	N 29°38'41.6" E	579.97'
C14	25°19'00.0"	107.24'	477.46'	210.97'	N 30°37'22.9" E	209.26'



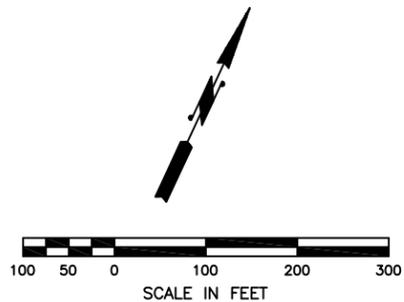
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APPROVED:

EXPIRES 09-22-16

N.W. 1/4, SECTION 17, T. 14 N., R. 46 E., W.M.

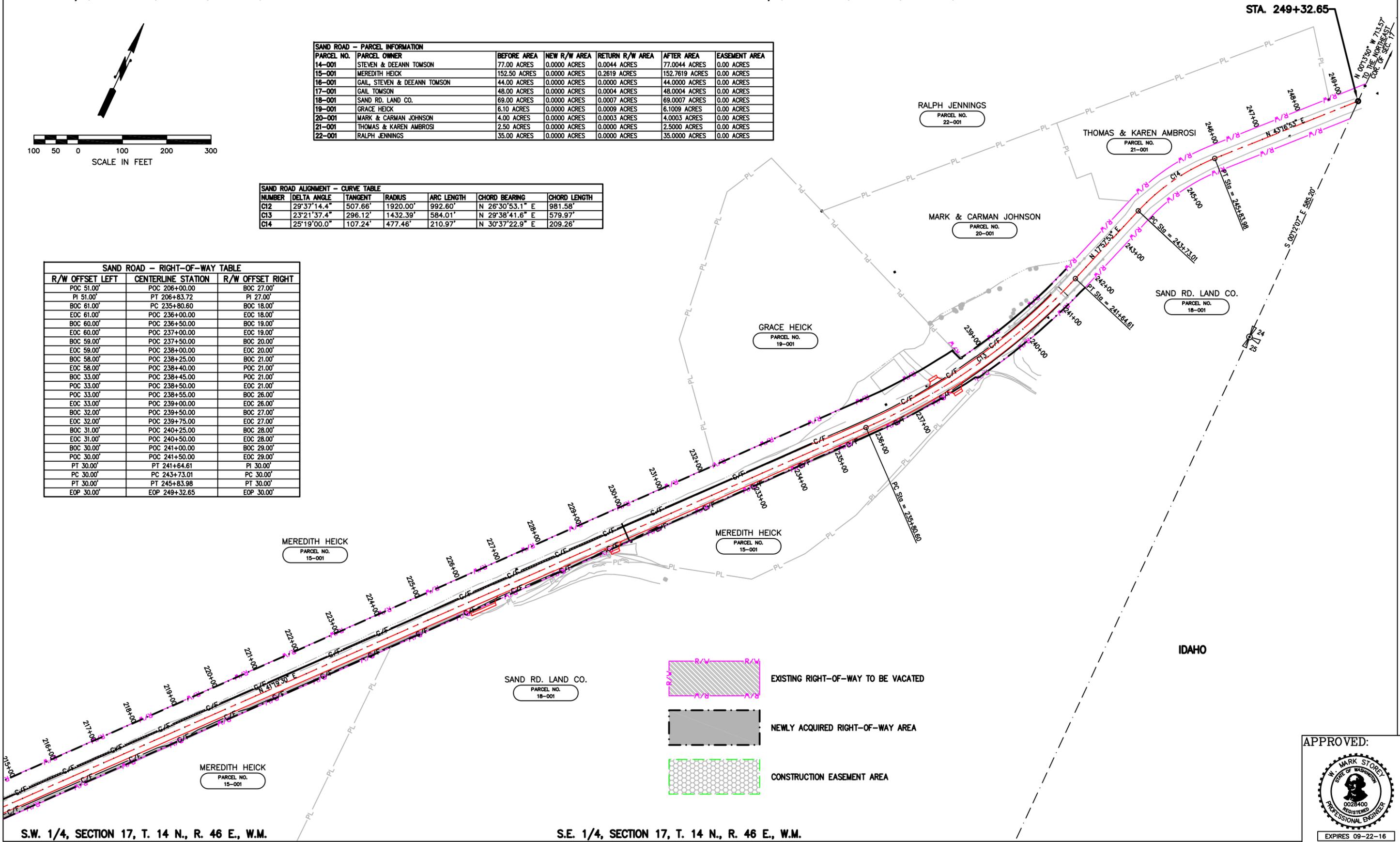
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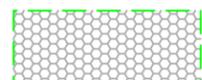


SAND ROAD - PARCEL INFORMATION						
PARCEL NO.	PARCEL OWNER	BEFORE AREA	NEW R/W AREA	RETURN R/W AREA	AFTER AREA	EASEMENT AREA
14-001	STEVEN & DEEANN TOMSON	77.00 ACRES	0.0000 ACRES	0.0044 ACRES	77.0044 ACRES	0.00 ACRES
15-001	MEREDITH HEICK	152.50 ACRES	0.0000 ACRES	0.2619 ACRES	152.7619 ACRES	0.00 ACRES
16-001	GAIL, STEVEN & DEEANN TOMSON	44.00 ACRES	0.0000 ACRES	0.0000 ACRES	44.0000 ACRES	0.00 ACRES
17-001	GAIL TOMSON	48.00 ACRES	0.0000 ACRES	0.0004 ACRES	48.0004 ACRES	0.00 ACRES
18-001	SAND RD. LAND CO.	69.00 ACRES	0.0000 ACRES	0.0007 ACRES	69.0007 ACRES	0.00 ACRES
19-001	GRACE HEICK	6.10 ACRES	0.0000 ACRES	0.0009 ACRES	6.1009 ACRES	0.00 ACRES
20-001	MARK & CARMAN JOHNSON	4.00 ACRES	0.0000 ACRES	0.0003 ACRES	4.0003 ACRES	0.00 ACRES
21-001	THOMAS & KAREN AMBROSI	2.50 ACRES	0.0000 ACRES	0.0000 ACRES	2.5000 ACRES	0.00 ACRES
22-001	RALPH JENNINGS	35.00 ACRES	0.0000 ACRES	0.0000 ACRES	35.0000 ACRES	0.00 ACRES

SAND ROAD ALIGNMENT - CURVE TABLE						
NUMBER	DELTA ANGLE	TANGENT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C12	29°37'14.4"	507.66'	1920.00'	992.60'	N 26°30'53.1" E	981.58'
C13	23°21'37.4"	296.12'	1432.39'	584.01'	N 29°38'41.6" E	579.97'
C14	25°19'00.0"	107.24'	477.46'	210.97'	N 30°37'22.9" E	209.26'

SAND ROAD - RIGHT-OF-WAY TABLE		
R/W OFFSET LEFT	CENTERLINE STATION	R/W OFFSET RIGHT
POC 51.00'	POC 206+00.00	BOC 27.00'
PI 51.00'	PT 206+83.72	PI 27.00'
BOC 61.00'	PC 235+80.60	BOC 18.00'
EOC 61.00'	POC 236+00.00	EOC 18.00'
BOC 60.00'	POC 236+50.00	BOC 19.00'
EOC 60.00'	POC 237+00.00	EOC 19.00'
BOC 59.00'	POC 237+50.00	BOC 20.00'
EOC 59.00'	POC 238+00.00	EOC 20.00'
BOC 58.00'	POC 238+25.00	BOC 21.00'
EOC 58.00'	POC 238+40.00	POC 21.00'
BOC 33.00'	POC 238+45.00	POC 21.00'
POC 33.00'	POC 238+50.00	EOC 21.00'
POC 33.00'	POC 238+55.00	BOC 26.00'
EOC 33.00'	POC 239+00.00	EOC 26.00'
BOC 32.00'	POC 239+50.00	BOC 27.00'
EOC 32.00'	POC 239+75.00	EOC 27.00'
BOC 31.00'	POC 240+25.00	BOC 28.00'
EOC 31.00'	POC 240+50.00	EOC 28.00'
BOC 30.00'	POC 241+00.00	BOC 29.00'
POC 30.00'	POC 241+50.00	EOC 29.00'
PT 30.00'	PT 241+64.61	PI 30.00'
PC 30.00'	PC 243+73.01	PC 30.00'
PT 30.00'	PT 245+83.98	PT 30.00'
EOP 30.00'	EOP 249+32.65	EOP 30.00'



 EXISTING RIGHT-OF-WAY TO BE VACATED
 NEWLY ACQUIRED RIGHT-OF-WAY AREA
 CONSTRUCTION EASEMENT AREA

APPROVED:



EXPIRES 09-22-16