

## **RESOLUTION 2022-00**

### **A RESOLUTION OF THE TOWN OF EATONVILLE, WASHINGTON, APPROVING AND AUTHORIZING THE MAYOR TO EXECUTE A CONSTRUCTION AGREEMENT WITH WASHINGTON STATE DEPARTMENT OF TRANSPORTATION ALLOWING FOR IMPROVEMENTS WITHIN THE STATE HIGHWAY RIGHT OF WAY**

**WHEREAS**, the Town Council for the Town of Eatonville has awarded a public work contract for the SR 161/Washington Ave N. Corridor Streetscape Phase 2 project to Johansen Construction; and

**WHEREAS**, a portion of the work, including sidewalk and ADA improvements along SR 161, will occur within state highway right of way; and

**WHEREAS**, the Washington State Department of Transportation (WSDOT) is willing to authorize the town to construct the improvements within the state highway right of way subject to the terms of a construction agreement, a copy of which is attached as Exhibit A and incorporated by this reference; and

**WHEREAS**, the Council finds that the public use and interest will be served by entering into the contract with WSDOT; now, therefore;

**THE TOWN COUNCIL OF THE TOWN OF EATONVILLE, WASHINGTON,  
HEREBY RESOLVES AS FOLLOWS:**

**THAT:** The terms of the construction agreement between the town and the Washington State Department of Transportation allowing for improvements within the state highway right of way are approved and the mayor is authorized to execute said agreement.

PASSED by the Town Council of Town of Eatonville and attested by the Town Clerk in authentication of such passage this 11<sup>th</sup> day of July 2022.

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David Baublits, Mayor

ATTEST:

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Miranda Doll, Town Clerk





<b>Construction Agreement</b>  Construction by Public Agency on State Highway Right of Way at Public Agency Expense			<b>Public Agency</b>
			Contact Name
			Title
			Address
			Phone
			Email
Agreement Number			Project Title
State Route Number	Mile Post	Control Section	Description of Improvements
Exhibits Attached			
Exhibit A:			
Exhibit B:			
Exhibit C:			
Exhibit D:			
Exhibit E:			

This Agreement is between the Washington State Department of Transportation (WSDOT) and the above-named governmental entity (Agency), hereinafter referred to individually as the "Party" and collectively as the "Parties."

### **Recitals**

1. The Agency wishes to construct certain improvements on state highway right of way located within (a) a county, (b) a state limited access facility inside city limits, or (c) on areas under state jurisdiction within city streets that form part of the state highway system, hereinafter referred to as "Improvements."
2. WSDOT is willing to authorize the Agency to construct the Improvements subject to the terms and conditions of this Agreement.
3. In addition to the provisions below, construction, maintenance, and/or operation of the Improvements are subject to the Special Provisions, attached as Exhibit A, which set forth Agency and Improvements requirements specific to the type of state highway facility on which the Improvements will be constructed.

Now therefore, pursuant to RCW 47.28.140 and/or chapter 39.34 RCW, the above recitals, which are incorporated herein as if set forth below, and in consideration of the terms, conditions, covenants, and performances contained herein, and in the Exhibits attached hereto and hereby made a part of this Agreement, it is mutually agreed as follows:

### **1.0 Purpose of Agreement**

The Agency provided WSDOT with its Plans and Specifications for the proposed Improvements. WSDOT has reviewed and agreed with the plans and specifications, unless otherwise modified pursuant to the terms of this Agreement. The Agency agrees to and shall construct, operate and/or maintain the Improvements in accordance with the terms of this Agreement.

### **2.0 Right of Entry**

#### **2.1 Agency**

Subject to the terms of this Agreement, WSDOT hereby grants to the Agency, its authorized agents, contractors, subcontractors, and employees, a right of entry upon state-owned highway right of way or upon state highway right of way under WSDOT jurisdiction, onto which access is necessary to construct, operate and/or maintain the Improvements. While on WSDOT



premises, the Agency, its agents, employees, or subcontractors shall comply with all WSDOT safety and security policies and regulations. Including requirements for the prevention of transmission of communicable diseases (such as Covid). Granting of such right of entry in no way relieves the Agency of its permitting obligations set forth in Section 3.7 herein.

2.2 If WSDOT has approved any limited access breaks for the Improvements, the Agency shall comply with the terms and conditions of such approval.

2.3 WSDOT

The Agency hereby grants to WSDOT, its employees, authorized agents, contractors, and subcontractors, a right of entry upon all Agency-owned property necessary for WSDOT's design review, inspection, and, as applicable, maintenance and/or operation of the Improvements as provided in Section 6, below.

### **3.0 Construction**

3.1 Documents on Site

Copies of this Agreement shall be kept at the Agency's project office and by the Agency or its contractor at the construction site. The Agreement shall be shown, upon request, to any state representative or law enforcement officer.

3.2. Pre-Construction Conference

Prior to the beginning of construction, a preconstruction conference shall be held at which WSDOT, the Agency, and the Agency's contractor (if applicable) shall be present. The Agency shall give a minimum of ten (10) working days notice to WSDOT's construction representative prior to holding the pre-construction conference. Working days for this Agreement are defined as Monday through Friday, excluding Washington State furlough days or state holidays pursuant to RCW 1.16.050.

3.3 Construction of Improvements

3.3.1 The Agency shall construct the Improvements after review and prior written approval by WSDOT, in its sole discretion, and as shown on the attached Exhibits. All design and construction shall be at the Agency's sole cost and expense; WSDOT shall not be required to contribute to the Improvements' construction. Any proposed changes to the Improvements' plans or specifications previously approved by WSDOT require further WSDOT review and prior written approval before implementing the changes.

3.3.2 The Agency agrees and shall construct the Improvements to the satisfaction of WSDOT. All material and workmanship shall conform to the Washington State Department of Transportation's Standard Specifications for Road, Bridge, and Municipal Construction, current edition, and amendments thereto (Standard Specifications), and shall be subject to WSDOT inspection. All terms and conditions of the Standard Specifications shall be satisfied in every respect by the Agency and its contractors, unless the prior written approval of WSDOT has been obtained authorizing such changes. The Parties agree that WSDOT inspections and acceptances regarding the Improvements are solely for the benefit of WSDOT and not for the benefit of the Agency, the Agency's contractor (if any), or any third party.

3.3.3 No excavation shall be made, or obstacle placed within the limits of the state-owned, or under state jurisdiction, highway right of way in such a manner as to interfere with the construction of, operation of, maintenance of and/or travel over the state highway, unless the Agency obtains WSDOT's prior written authorization.

3.4 Construction Schedule

In addition to the requirements in Section 3.2, WSDOT may, at any time, request a construction schedule or updates thereto from the Agency, showing critical dates and activities that will lead to the timely completion of the Improvements. The Agency shall notify WSDOT's construction representative of any changes to the construction schedule at least five (5) working days prior to implementation. Working days are defined in Section 3.2.

3.5 Public Agency Representative

Should the Agency choose to perform the work outlined herein with other than its own forces, an Agency representative shall be present on-site at all times during performance of the work, unless otherwise agreed to, in writing, by WSDOT. Where the Agency chooses to perform the work with its own forces, it may elect to appoint one of its own employees engaged in the construction as its representative. Should the Agency fail to comply with this section, WSDOT, in its sole discretion, may restrict any further Agency work within state highway right of way until the requirements of this section are met. All contact between WSDOT and the Agency's contractor shall be through an authorized representative of the Agency.



### 3.6 Supervision of Work

The Agency, at its own expense, shall adequately supervise construction of the Improvements by itself, its contractor, subcontractor, agent, and others, so as not to endanger or injure any person or property. The Agency's responsibility for the proper performance, safe conduct, and adequate supervision of the work shall not be lessened or otherwise affected by WSDOT's review and concurrence with the Agency's plans, specifications, or work, or by WSDOT's construction representative's presence at the work site to assist in determining that the work and materials meet this Agreement's requirements.

### 3.7 Required Permits

The Agency shall obtain all necessary Federal, State, and Local Permits including, but not limited to, permits required by the Washington State Department of Ecology, the Washington State Department of Fish and Wildlife, U.S. Army Corps of Engineers, and the National Environmental Policy Act (NEPA) prior to beginning construction.

### 3.8 Compliance with Clear Zone Guidelines

The Agency hereby certifies that the Improvements described in this Agreement are in compliance with the WSDOT's Clear Zone Guidelines as specified within WSDOT's Utilities Manual (publication M 22-87.01). If applicable, for Improvements constructed within the Agency's city streets that form part of the state highway system, the Agency may apply its own clear zone guidelines in lieu of WSDOT's guidelines.

### 3.9 Protection of Property

Unless authorized by WSDOT or other affected property owner in writing, the Agency shall assure that all public and private property, including but not limited to signal equipment, signs, guide markers, lane markers, and utilities, are not damaged, destroyed, or removed. If any such property is damaged, destroyed, or removed without prior written authorization, the Agency shall notify WSDOT's construction representative within eight (8) hours of such damage, destruction or removal.

The Agency shall replace, repair, or fully restore any private or public property that is damaged, destroyed, or removed to WSDOT's and/or the property owner's sole satisfaction.

The Agency shall not disturb, remove, or destroy any existing Survey Monument before first obtaining a Washington State Department of Natural Resources (DNR) permit. The Agency agrees that resetting Survey Monuments shall be done by or under the direct supervision of a Licensed Professional Land Surveyor.

Information on Survey Monuments can be found at WSDOT's Geographic Services Office Website: <https://www.wsdot.wa.gov/Monument/gis/index.html>.

### 3.10 Cultural Resources

If any archaeological or historical resources are revealed in the work vicinity, the Agency shall immediately stop work, notify WSDOT's construction representative and retain a US Secretary of the Interior's qualified archaeologist. Said archaeologist shall evaluate the site and make recommendations to WSDOT regarding the continuance of the work.

### 3.11 Clean Up

Upon completion of the work, the Agency shall immediately remove all rubbish and debris and shall leave the state highway right of way neat and presentable to WSDOT's sole satisfaction. The Agency agrees to take corrective action if directed by WSDOT.

### 3.12 Failure to Complete Project

Should for any reason, the Agency decide not to complete the Improvements in a timely manner after construction has begun, WSDOT shall determine what work must be completed to restore WSDOT facilities and right of way to a condition and configuration that is safe for public use. If the Agency or its contractor is not able to restore facilities and right of way, WSDOT may perform, or contract to perform, the restoration work at the Agency's sole expense. The Agency agrees that all direct and related indirect costs associated with Agreement termination, including engineering, completing WSDOT facility and right of way restoration, and contractor claims will be the sole responsibility of the Agency.

This section shall survive Agreement termination.

## 4.0 Acceptance of Improvements

### 4.1 Final Inspection

The Agency shall notify WSDOT, in writing, of its completion of the Improvements within five (5) working days of such completion. The Agency shall include in the written notice a proposed date on which to meet with WSDOT for the purpose of conducting a final inspection of the Improvements.

WSDOT will not make its final inspection of the Improvements until all Agency construction work required under this Agreement has been completed.

### 4.2 WSDOT's Acceptance

4.2.1 WSDOT will provide the Agency with a Letter of Acceptance for the Improvements after the following items have been completed:



- (a) Satisfactory completion of the Improvements and all Agency obligations hereunder;
- (b) Final inspection of the Improvements;
- (c) Submittal by the Agency to WSDOT of a complete set of as-built plans for the Improvements;
- (d) Receipt of material acceptance documentation by WSDOT (if required under the Special Provisions hereto); and
- (e) Final payment pursuant to Section 7.

The Letter of Acceptance shall not waive any potential claims against the Agency or its contractor for defective work or materials, nor bar WSDOT from requiring the Agency to remedy any and all work deficiencies not identified by WSDOT during its inspection.

- 4.2.2 WSDOT may withhold acceptance of the Improvements by submitting written notification, including the reason(s) for withholding acceptance, to the Agency, within thirty (30) calendar days following the final inspection. The Parties shall work together in good faith to resolve the outstanding issues identified in WSDOT's written notification. If any issues cannot be resolved within forty-five (45) calendar days after WSDOT's notification, the Parties mutually agree to seek resolution of the issues through the process described in Section 8.7.
- 4.2.3 Upon resolution of the outstanding issues, WSDOT will deliver the Letter of Acceptance to the Agency.
- 4.2.4 The Agency shall continue to be responsible for all actual direct and related indirect costs to WSDOT, including inspection and monitoring, until the outstanding issue(s) has been resolved and a Letter of Acceptance has been issued.

## **5.0 Insurance and Indemnification**

### **5.1 Insurance**

In addition to any required workers compensation insurance, the Agency and its contractors must provide proof of the following insurance coverage prior to performing any work within state highway right of way:

- a) Commercial General Liability covering the risks of bodily injury (including death), property damage and personal injury, including coverage for contractual liability; this coverage may be any combination of primary, umbrella and/or excess coverage affording total liability limits of not less than \$3 million per occurrence/\$3 million general aggregate;
- b) Business Automobile Liability (owned, hired, or non-owned) covering the risks of bodily injury (including death) and property damage, including coverage for contractual liability; this coverage may be any combination of primary, umbrella and/or excess coverage affording total liability limits of not less than \$1 million per accident;
- c) Employers Liability (Stop Gap) insurance covering the risks of Agency's employees' bodily injury by accident or disease with limits of not less than \$1 million per accident for bodily injury by accident and \$1 million per employee for bodily injury by disease;
- d) Such insurance policies or related certificates of insurance shall name the Washington State Department of Transportation (WSDOT) as an additional insured on all general liability, automobile liability, employers' liability, and excess policies, and shall only be provided pursuant to form CG-20-10 (1985 edition) or a combination of the following: CG 2010 entitled "Additional Insured - Owners, Lessees or Contractors - Scheduled Person or Organization" and CG 2037 entitled "Additional Insured - Owners, Lessees or Contractors - Completed Operations"; or CG 2033 entitled "Additional Insured - Owners, Lessees or Contractors - Automatic Status When Required in Construction Agreement With You" and CG 2037 entitled "Additional Insured - Owners, Lessees or Contractors - Completed Operations". No form shall contain limitations or exclusions with respect to "products/completed operations" or ongoing operations coverage. No additional insured endorsement shall seek to limit coverage for the additional insureds for their own negligence with respect to liability arising out of Project operations and/or solely to vicarious liability arising out of the ongoing or completed operations of the named insured, its contractors, subcontractors of any tier, consultants, agents or employees. The additional insured coverage afforded shall be "primary and non-contributory" with respect to any other coverage which may be available to WSDOT. All coverages afforded to WSDOT as an additional insured shall also contain a waiver of subrogation endorsement made in favor of WSDOT.
- e) In lieu of satisfying the insurance requirements of a. - d. above, the Agency may comply with these insurance requirements through a program of self-insurance that meets or exceeds these minimum limits. The Agency must provide WSDOT with adequate documentation of self-insurance prior to performing any work within state highway right of way. Should the Agency no longer benefit from a program of self-insurance, the Agency agrees to promptly obtain insurance as provided above.
- f) A forty-five (45) Calendar Day written notice shall be given to prior to termination of or any material change to the policy(ies) as it relates to this Agreement.



g) 5.2 Indemnification

To the extent permissible under law, the Agency, its successors and assigns, agree to indemnify, defend, and hold harmless WSDOT and the State of Washington and its officers and employees, from all claims, demands, damages (both to persons and/or property), expenses, regulatory fines, and/or suits that: (1) arise out of or are incident to any acts or omissions by the Agency, its agents, contractors, and/or employees, in the use of the state highway right of way as authorized by the terms of this Agreement, or (2) are caused by the breach of any of the conditions of this Agreement by the Agency, its contractors, agents, and/or employees. The Agency, its successors and assigns, shall not be required to indemnify, defend, or hold harmless WSDOT or the State of Washington and its officers and employees, if the claim, suit, or action for damages (both to persons and/or property) is caused by the sole acts or omissions of WSDOT, its officers and employees; provided that, if such claims, suits, or actions result from the concurrent negligence of (a) WSDOT, its officers and employees and (b) the Agency, its agents, contractors, and/or employees, or involves those actions covered by RCW 4.24.115, the indemnity provisions provided herein shall be valid and enforceable only to the extent of the concurrent acts or omissions of WSDOT, its officers and employees and the Agency, its agents, contractors, and/or employees.

The Agency agrees that its obligations under this section extend to any claim, demand and/or cause of action brought by, or on behalf of, any of its employees or agents while performing construction, operation and/or maintenance of the Improvements under this Agreement. For this purpose, the Agency, by mutual negotiation, hereby waives with respect to WSDOT only, any immunity that would otherwise be available to it against such claims under the Industrial Insurance provisions chapter 51.12 RCW.

This indemnification and waiver shall survive the termination of this Agreement.

## 6.0 Maintenance

### 6.1 General Maintenance Responsibilities

Unless otherwise agreed to pursuant to a separate written agreement between WSDOT and Agency, upon completion of the Improvements authorized herein, all future operation and maintenance of the Improvements shall be in accordance with each Party's ownership and/or jurisdictional responsibilities as follows:

- a) For Improvements on state-owned highway right of way located within unincorporated county limits and/or within any limited access highway rights of way:  
WSDOT has sole ownership, operation and maintenance responsibilities for the Improvements.
- b) For Improvements located inside city limits within managed access highway rights of way:  
Ownership, operation and maintenance responsibilities shall be apportioned between the city and WSDOT pursuant to chapter 47.24 RCW and the City Streets as Part of State Highways Guidelines developed between the Association of Washington Cities and WSDOT, as may be revised from time to time.

### 6.2 Emergency Work by WSDOT

If WSDOT determines in good faith that emergency work to any Improvements is immediately needed to protect (a) any aspect of the state highway, or (b) to secure the safety of the traveling public, as a result of a failure of the Agency's Improvements, such work may be performed by WSDOT without prior approval of the Agency, and the Agency agrees to pay all of WSDOT's direct and related indirect costs for performing the work. The Agency will be notified of the emergency work and the necessity for it at WSDOT's earliest opportunity. WSDOT shall provide to the Agency a detailed invoice for such emergency work.

The terms of this section shall survive the termination of this Agreement.

## 7.0 Payment

### 7.1 Reimbursable Costs

The Agency shall reimburse WSDOT for all actual direct and related indirect costs incurred by WSDOT under this Agreement. Such costs include, but are not limited to, agreement preparation, plan review, including review of proposed revisions to plans and specifications contained in the Exhibits, construction inspection, and administrative overhead.

Costs incurred under this Agreement may be billed under the following account:

### 7.2 Invoices

The Agency agrees to reimburse WSDOT for the actual direct and related indirect costs, within thirty (30) calendar days from receipt of an invoice (the "Due Date"). In the event the Agency fails to make payment by the Due Date, the Agency will pay WSDOT interest on outstanding balances at the rate of twelve percent (12%) per annum, or the highest rate of interest allowable by law, whichever is greater. Interest shall be calculated from the Due Date to the date of payment.

## 8.0 Miscellaneous Terms

### 8.1 Failure to Comply with Terms and Conditions

Any breach of the terms and conditions of this Agreement, or failure on the part of the Agency to proceed with due diligence



and in good faith in the construction and maintenance of the Improvements provided for herein, shall subject this Agreement to be terminated. In case of termination WSDOT, in its sole discretion, may require the Agency to remove all or part of the Improvements constructed hereunder at the Agency's sole expense. If the Agency fails to remove its Improvements, removal may be performed by WSDOT without prior approval of the Agency. The Agency agrees to pay WSDOT's direct and related indirect costs for performing the work. WSDOT shall provide to the Agency a detailed invoice for such removal work.

## 8.2 Term of Agreement

Should the Agency not begin construction within eighteen (18) months after the date of execution, the Agreement shall automatically terminate, unless WSDOT, in its sole discretion, grants a prior, written time extension. As part of any time extension granted by WSDOT, the Plans and Specifications attached hereto must be revised to meet WSDOT's most current design and construction standards. If this Agreement is terminated, the Agency may be required to repeat the entire application, review, and approval process in WSDOT's sole discretion.

Unless otherwise provided herein, the term of this Agreement shall commence as of the date this Agreement is fully executed by the Parties and shall continue until the Improvements are accepted by WSDOT pursuant to Section 4 or as otherwise provided herein.

## 8.3 Assignment of Agreement

No assignment or transfer of this Agreement in any manner whatsoever shall be valid, nor vest any rights hereby granted, until WSDOT consents thereto in advance and in writing, and the assignee accepts all terms of this Agreement.

## 8.4 Non-Exclusivity

This Agreement shall not be deemed or held to be an exclusive one and shall not prohibit WSDOT from granting permits or franchise rights; or entering into other Agreements of like or other nature with other public or private companies or individuals, nor shall it prevent WSDOT from using any of its highways, streets, or public places, or affect its right to full supervision and control over all or any part of them, none of which is hereby surrendered.

## 8.5 Records Retention and Audit

All records related to this Agreement shall be held and kept available for inspection and audit for a period of six (6) years from the date of termination of this Agreement or any final payment authorized under this Agreement, whichever is later. Each Party shall have full access to and right to examine said records, during normal business hours and as often as deemed necessary. In the event of litigation or claim arising from the performance of this Agreement, the Parties agree to maintain the records and accounts until such litigation, appeal or claims are finally resolved. This section shall survive the termination of this Agreement.

## 8.6 Modification

This Agreement may be amended or modified only by the mutual agreement of the Parties. Such amendments or modifications shall not be binding unless they are agreed to in advance and in writing and signed by persons authorized to bind each of the Parties.

## 8.7 Disputes

In the event that a dispute arises under this Agreement, it shall be resolved as follows: WSDOT and the Agency shall each appoint a member to a Dispute Board, these two members shall select a third board member not affiliated with either Party. The three-member board shall conduct a dispute resolution hearing that shall be informal and unrecorded. An attempt at such dispute resolution in compliance with aforesaid process shall be a prerequisite to the filing of any litigation concerning the dispute. The Parties shall equally share in the cost of the third Dispute Board member; however, each Party shall be responsible for its own costs and fees.

## 8.8 Venue and Attorney's Fees

In the event that either Party to this Agreement deems it necessary to institute legal action or proceedings to enforce any right or obligation under this Agreement upon completion of the dispute resolution process set forth in Section 8.7 above, the Parties hereto agree that any such action or proceedings shall be brought in \_\_\_\_\_, Washington Superior Court. Further, the Parties agree that each will be solely responsible for payment of its own attorney's fees, witness fees, and costs.

## 8.9 Independent Contractor

The Agency shall be deemed an independent contractor for all purposes under this Agreement, and the employees of the Agency or any of its contractors, subcontractors, consultants, and the employees thereof, shall not in any manner be deemed to be employees or agents of WSDOT.



#### 8.10 Termination of Agreement

WSDOT may terminate this agreement in whole or in part, without penalty or further liability in the event of the following:

a) Termination for Default

Upon prior written notice, WSDOT may terminate this Agreement for failure to perform or abide by any provision of this Agreement.

b) Termination for Cause

If for any cause either Party does not fulfill in a timely and proper manner its obligations under this Agreement, or if either Party violates any of these terms and conditions, the aggrieved Party will give the other Party written notice of such failure or violation. The responsible Party will be given the opportunity to correct the violation or failure within fifteen (15) working days. If the failure or violation is not corrected, this Agreement may be terminated immediately by written notice of the aggrieved Party to the other.

c) Termination for Withdrawal of Authority

In the event that either Party's authority to perform any of its duties is withdrawn, reduced, or limited in any way, or if funding is withdrawn after the commencement of this Agreement, either Party may terminate this Agreement by seven (7) calendar days written notice. No penalty shall accrue to the terminating Party in the event this section shall be exercised.

If this Agreement is terminated prior to the fulfillment of the terms stated herein, the Agency shall reimburse WSDOT for its actual direct and related indirect expenses and costs incurred up to the date of termination. Any termination of this Agreement shall not prejudice any rights or obligations accrued to the Parties prior to termination.

#### 8.11 Counterpart and Electronic Signature

This Agreement may be signed in multiple counterparts, each of which constitutes an original and all of which taken together constitute one and same agreement. Electronic signatures or signatures transmitted via e-mail in a "PDF" may be used in place of original signatures on this Agreement. The Parties intend to be bound by its electronic or "PDF" signature on this Agreement, are aware that the other Parties are relying on its electronic or "PDF" signature and waives any defenses to the enforcement of this Agreement based upon the form of signature.

In Witness Whereof, the parties hereto have executed this Agreement as of the Party's date last signed below.

Public Agency	Washington State Department of Transportation
Signature: _____	Signature: _____
By: _____ Print Name	By: _____ Print Name
Title: _____	Title: _____
Date: _____	Date: _____



# **EXHIBIT “A”**

Special Provisions - 8 Sheets



## SPECIAL PROVISIONS for Construction Agreement

### City Projects within Managed Access Areas

**(Cities UNDER 27,500 Population)**

**Construction Agreement Number:**

**WSDOT and Public Agency Agreement and these Special Provisions apply to all construction items within State jurisdiction and maintenance responsibility only.**

**Applicable provisions are denoted by ( )**

1. **STATE REPRESENTATIVE.** No work provided for herein shall be performed until the Agency is authorized by the following WSDOT representative:
2. **PLAN CHANGES** (*Applicable to ALL Projects*)
  - **AGENCY CHANGE ORDERS / ADDENDAS.** Changes to any Approved Plan affecting WSDOT owned highway right-of-way or highway right-of-way under WSDOT jurisdiction must be reviewed and approved by WSDOT prior to execution.
  - **STATE REQUIRED CHANGES OR CORRECTIONS.** WSDOT reserves the right to require changes or corrections due to plan omissions or details not in conformance with WSDOT's Standard Specifications, Standard Plans, Design Manual Design Standards and/or Project Special Provisions.
3. **DELAY TO STATE CONTRACTS.** (*Applicable to ALL Projects*) The Agency agrees to schedule and perform the work herein in such a manner as not to delay the WSDOT's contractor in the performance of any WSDOT contract in the area. WSDOT shall in no way be held liable for any damage to the Agency by reason of any such work by WSDOT, its agents or representatives, or by the exercise of any rights by WSDOT upon roads, streets, public places, or structures in question.
4. **AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS.** (*Applicable to ALL New Construction and Alteration Projects*). All public entities are required to follow the Americans with Disabilities Act of 1990 (ADA), regardless of funding sources. Wherever pedestrian facilities are intended to be a part of the transportation facility, federal regulations require that those pedestrian facilities meet ADA guidelines. All new construction or alteration of existing transportation facilities must be designed and constructed to be accessible to and usable by persons with disabilities per Title II of the ADA (28 CFR Part 35.151) and Section 504 regulations (49 CFR Part 27.7(c)).

Neither cost nor schedule are factors in determining whether the ADA standards can be met, nor are they factors in determining the feasibility of complying with the standard. An alteration project must be planned, designed, and constructed so that the required accessibility improvements occur at the same time as the alteration.

The following are not considered Alteration Projects: Spot Pavement Repair, Liquid-Asphalt Sealing, Chip Seal (BST), Crack Sealing, and Lane Restriping that does not alter the usability of the shoulder.

If there is uncertainty as to whether a project meets the definition of an Alteration Project, WSDOT's Construction Representative and the Agency's Representative shall consult with WSDOT's Regional ADA Coordinator.

If a situation is encountered where it may not be possible to fully meet the applicable accessibility requirements during alterations of existing facilities, WSDOT's Construction Representative and the Agency's Representative shall consult with WSDOT's Regional ADA Coordinator in order to develop a workable solution to meet the accessibility requirements to the maximum extent feasible (MEF).



5. **TRAFFIC CONTROL AND PUBLIC SAFETY.** *(Applicable to all City Projects within Limited Access Areas and/or City Projects within Managed Access Areas involving WSDOT maintained Traffic Signals, Freeway Ramps, or Ferry Traffic. Applicable to all other City Projects when WSDOT assistance is requested by the City. Applicable to all County Projects)*

- **TRAFFIC CONTROL PLANS (TCP's).** During the construction and/or maintenance of this facility, the Agency shall submit Traffic Control Plans to WSDOT for Review and Approval at least ten (10) days in advance of the time that signing and other traffic control devices will be required. These TCP's shall be in compliance with one of the following:
  - a The Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways – Part 6; Chapter 6H (<http://mutcd.fhwa.dot.gov/HTM/2003r1/part6/part6h1.htm>) and Washington modifications thereto
  - b WSDOT Work Zone Traffic Control Guidelines - M54-44 – (<http://www.wsdot.wa.gov/publications/manuals/fulltext/M54-44/Workzone.pdf>)
  - c The WSDOT Standard Plans Manual – M21-01; Section K for Work Zone Traffic Control. (<http://www.wsdot.wa.gov/Design/Standards/Plans.htm#StandardPlans>)
  - d Project Specific Traffic Control Plans in accordance with WSDOT Work Zone Traffic Control Guidelines M54-44 - or the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways – Part 6; Chapter 6H and Washington modifications thereto
- **MODIFICATION OR REVOCATION OF APPROVED TRAFFIC CONTROL PLANS.** WSDOT reserves the right to modify or revoke any Traffic Control Plan at any time due to safety and operational problems for the traveling public. All costs and time delays associated with modification or revocation shall be borne by the Agency or their contractor.
- **PERMITTED HOURS FOR LANE CLOSURES / STATE NOTIFICATION.** The working hours within WSDOT owned highway right-of-way or highway right-of-way under STATE jurisdiction for this project are restricted per the Approved Traffic Control Plan(s). Any extension of these hours must be requested in writing and approved prior to construction. Weekend or Holiday (including Canadian Holidays-Skagit & Whatcom Counties) work is not permitted without written permission from WSDOT. Five (5) working days notification shall be given to WSDOT's Construction Representative prior to any lane closure.
- **SUSPENSION OF TRAFFIC CONTROL OPERATIONS.** WSDOT reserves the right to suspend all lane and shoulder closure operations due to unexpected emergencies or impediments to the flow of traffic. All costs associated with this suspension shall be borne by the Agency or their contractor.
- **HAZARD PROTECTION.** All hazards to vehicular, pedestrian, and bicycle traffic shall be marked by warning signs, barricades, and lights.
- **STORAGE OF EQUIPMENT AND MATERIALS.** All lanes shall be open and the shoulders shall be clear of construction equipment and materials during non-working hours. The Work Zone Clear Zone (WZCZ) applies during working and non-working hours. The WZCZ applies only to temporary roadside objects introduced by the Contractor's operations and does not apply to pre-existing 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 or Permit 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 WSDOT 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 non-essential 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 WSDOT has provided written approval.



6. **TRAFFIC CONTROL SUPERVISOR.** *(Applicable to City Projects within Limited Access Areas; and/or City Projects within Managed Access Areas involving WSDOT maintained Traffic Signals, Freeway Ramps, or Ferry Traffic. Applicable to all County Projects).* The Agency or their Prime Contractor shall employ an individual or individuals to perform the duties of Full-Time Traffic Control Supervisor (TCS), certified by WSDOT. The TCS shall be responsible for safe implementation of Approved Traffic Control Plans. The TCS shall be present on the project whenever flagging, spotting, or other traffic control is being utilized. The TCS shall be responsible for having a current set of approved Traffic Control Plans, Inspecting traffic control devices and nighttime lighting for proper location, installation, message, cleanliness, and effect on the traveling public. Traffic control devices shall be inspected at least once per hour during working hours. The TCS shall correct, or arrange to have corrected, any deficiencies noted during these inspections. The Agency or Prime Contractor shall maintain 24-hour telephone numbers at which the TCS can be contacted and be available upon request of the WSDOT Representative at other than specified working hours.
7. **WORKER VISIBILITY** *(Applicable to Counties and Limited Access in All Cities)*
- **FLAGGER APPAREL.** Traffic Control Supervisors, Flaggers, Spotters, and others performing Traffic Control Labor of any kind shall comply with the following: 1. During daylight hours with clear visibility, workers shall wear a high-visibility ANSI/ ISEA 107-2010 Class 2 or 3 vest or jacket, and hardhat meeting the high-visibility headwear requirements of WAC 296-155-305; and 2. During hours of darkness (½ hour before sunset to ½ hour after sunrise) or other low visibility conditions (snow, rain, fog, etc.), workers shall wear a high-visibility ANSI/ISEA 107-2010 Class 2 or 3 vest or jacket, high-visibility lower garment meeting ANSI/ISEA 107-2010 Class E, and hardhat meeting the high-visibility headwear requirements of WAC 296-155-305.
  - **APPAREL - OTHER CONTRACTOR PERSONNEL.** The Agency and/or the Contractor shall require all other personnel in WSDOT owned highway right-of-way or highway right-of-way under WSDOT jurisdiction under their control (including Service Providers, Subcontractors, and lower tier Subcontractors) that are on foot in the work zone and are exposed to vehicle traffic or construction equipment to wear the high-visibility apparel meeting Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2010 publication titled "American National Standard for High Visibility Safety Apparel and Headwear.
8. **MATERIALS AND QUALITY ASSURANCE / QUALITY CONTROL (QA/QC)** *(Applicable to ALL Projects)*
- **MATERIALS AND WORKMANSHIP.** All materials and workmanship shall conform to the Washington State Department of Transportation Standard Specifications for Road, Bridge and Municipal Construction, current edition, and amendments thereto, and shall be subject to inspection by WSDOT.



- **APPROVAL OF MATERIALS –**

**REQUEST for APPROVAL of MATERIALS (RAM).** The RAM shall be prepared by the Contractor or Public Agency in accordance with the instructions on Form 350-071 and submitted to WSDOT's Construction Representative for approval before the material is incorporated into the work. All material, including proposed Aggregate Sources, shall be listed on the RAM Form. Approval of the material does not constitute acceptance of the material for incorporation into the Work. Additional acceptance actions as noted on the RAM need to be completed prior to the materials being incorporated into the Work. When requesting approval of an item that requires fabrication, both the fabricator and the manufacturer of the base material shall be identified on the RAM.

**QUALIFIED PRODUCTS LIST (QPL).** The most current QPL list available at the time the product is proposed for use shall be used. The QPL submittal shall be prepared by the Contractor or Public Agency in accordance with the instructions in the QPL and submitted to WSDOT's Construction Representative prior to use. The QPL identifies the approved products, the applicable Specification Section, and the basis for acceptance at the project level. The acceptance and use of these products is based upon additional job sampling and/or documentation. All additional acceptance actions need to be completed prior to the material being incorporated into the Work. Qualified products not conforming to the Specifications, not fulfilling the acceptance requirements, or improperly handled or installed, shall be replaced at the Contractor's expense. If there is a conflict between the QPL and the Contract, the provisions of the Contract shall take precedence over the QPL. The current QPL can be accessed online at [www.wsdot.wa.gov/biz/mats/qpl/qpl.cfm](http://www.wsdot.wa.gov/biz/mats/qpl/qpl.cfm).

**AGGREGATE SOURCE APPROVAL (ASA).** All aggregates proposed for use on the project shall be from Pre-Approved WSDOT Sources. Pre-Approved Sources can be found on WSDOT's ASA database which contains results of WSDOT preliminary testing of aggregate sources. The ASA database can be accessed online at the agency website at: [wsdot.wa.gov/biz/mats/ASA/ASASearch.cfm](http://wsdot.wa.gov/biz/mats/ASA/ASASearch.cfm). This database is used by WSDOT to indicate the approval status of these aggregate sources for applications that require preliminary testing as defined in the Contract. The ASA 'Aggregate Source Approval Report' identifies the currently approved applications for each aggregate source listed. The acceptance and use of these aggregates is contingent upon additional job sampling and/or documentation. Aggregates approved for applications on the ASA 'Aggregate Source Approval Report' not conforming to the Specifications, not fulfilling the acceptance requirements, or improperly handled or installed, shall be replaced at the Contractor's or Public Agency's expense.

- **MATERIALS TESTING/REPORTING OF RESULTS.** All materials testing is to be performed by the Agency or an Independent Certified Testing Laboratory of their choice. Copies of all test results shall be submitted to WSDOT's Construction Representative prior to beginning the next phase of construction. WSDOT reserves the right to verify the test results or to perform the testing.
- **HOT MIX ASPHALT (HMA) DESIGN.** Prior to Paving Operations, the Agency shall submit WSDOT approved HMA Mix Design(s) for use on this project.
- **PAVING OPERATIONS.** NO PAVING OPERATIONS WILL BE PERMITTED WHEN IT IS RAINING or SNOWING. Written permission from WSDOT's Construction Representative shall be required if paving operations begin before April 1st, or after October 1st. Surface temperature and other paving limitations as per the WSDOT Standard Specifications shall be enforced.
- **MATERIAL TRANSFERING DEVICE / VEHICLE.** Direct transfer of HMA from the hauling equipment to the paving machine will not be allowed in the top 0.30 feet of the pavement section of hot mix asphalt (HMA) used in traffic lanes with a depth of 0.08 feet or greater. A material transfer device or vehicle (MTD/V) shall be used to deliver the HMA from the hauling equipment to the paving machine. HMA for pre-leveling, pavement repair, or HMA placed in irregularly shaped and minor areas such as road approaches, tapers, and turn lanes are excluded from this requirement. At the Contractor's request, WSDOT's Construction Representative may approve paving without an MTD/V. The MTD/V shall mix the HMA after delivery by the hauling equipment and prior to laydown by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform temperature throughout the mixture. If a windrow elevator is used, the length of the windrow may be limited in urban areas or through intersections, at the discretion of WSDOT's Construction Representative.
- **ROLLERS.** The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. An exception shall be that pneumatic tired rollers shall be used for compaction of the wearing course beginning October 1st of any year through March 31st of the following year. Coverage with a steel wheel roller may precede pneumatic tired rolling. Operation of the roller shall be in accordance with the manufacturer's recommendations. The use of equipment that results in crushing of the aggregate will not be permitted. Rollers producing pickup, washboard, uneven compaction of the surface, or displacement of the mixture, or other undesirable results shall not be used.



- **JOINT SEALING.** All joints between existing and new pavement; or other cracks requiring repair shall be adequately cleaned and then sealed with PG 67-22 Liquid Asphalt in accordance with the manufacturer's recommendations. Filling shall be controlled to confine the material within the crack or joint. If, in the opinion of WSDOT's Construction Representative, the Contractor's method of filling results in an excessive amount of sealant on the pavement surface, filling shall be stopped and the method changed. Any overflow shall be cleaned from the pavement surface.
  - **QUALIFICATION of CONCRETE SUPPLIERS.** Concrete Batch Plant Prequalification requires a certification by the National Ready Mix Concrete Association (NRMCA). A copy of that Certificate shall be submitted to WSDOT's Construction Representative prior to placement of cement concrete.
  - **CONCRETE MIX DESIGN.** Prior to any placement of cement concrete, the Agency shall submit WSDOT approved Mix Design(s) for use on this Project to WSDOT's Construction Representative.
  - **DRAINAGE STRUCTURES.** Only structures stamped APPROVED by WSDOT's Fabrication Inspection Office shall be used on this project.
9. **UNSUITABLE MATERIALS.** *(Applicable to ALL Projects)* If determined necessary by WSDOT, unsuitable material encountered during any excavation shall be removed and replaced to the satisfaction of WSDOT at the Agency's expense. The replacement material shall be fre draining and granular, or other materials as determined by WSDOT's Construction Representative in accordance with the Standard Specifications.
10. **EROSION CONTROL / DRAINAGE** *(Applicable to Counties and Limited Access in All Cities)*
- **BEST MANAGEMENT PRACTICES (BMP's).** During construction of this project, the Agency shall comply with the Washington State Department of Transportation Highway Runoff Manual and implement Best Management Practices (BMP's) as detailed in the manual to mitigate erosion and pollution.
  - **WATER DISCHARGES ON THE PROJECT.** All discharges to WSDOT owned highway right-of-way or highway right-of-way under WSDOT jurisdiction on this project shall conform to WSDOT and Local water quality regulations and shall meet WAC 173-201A.
11. **INTERFERENCE TO STATE HIGHWAY DRAINAGE** *(Applicable to Counties and Limited Access in All Cities)* If the work done under this WSDOT and Agency Agreement interferes in any way with the drainage of WSDOT highway, the Agency shall wholly and at its own expense make such provision - as WSDOT may direct, to deal with said drainage.
12. **LANDSCAPING ON STATE RIGHT-OF-WAY** *(Applicable to Counties and Limited Access in All Cities)*
- **PLANTINGS.** If the Agency desires to plant and/or cultivate any shrubs, trees, hedges, or other domestic or native ornamental growth on WSDOT owned highway right-of-way that is more extensive than regular WSDOT vegetation, the Agency shall obtain a Roadside Vegetation Permit (DOT Form 220-018) from WSDOT for the maintenance of the plantings.
  - **IRRIGATION SYSTEMS.** If the Agency obtains a Roadside Vegetation Permit for Plantings, The Agency may be required to obtain additional approval for permanent irrigation systems. The Agency shall be responsible for water and electrical costs.
13. **DISTURBANCE OF EXISTING VEGETATION** *(Applicable to Counties and Limited Access in All Cities)* This Construction Agreement does not give the Agency or any agent or contractor, of the Agency any rights to cut, spray, retard, remove, destroy, damage, disfigure, or in any way modify the physical condition of any vegetative material located on WSDOT owned highway right-of-way or highway right-of-way under WSDOT jurisdiction, except by written permission from WSDOT. All restoration shall be done to the satisfaction of WSDOT at the sole expense of the Agency.
14. **RIGHT-OF-WAY RESTORATION** *(Applicable to Counties and Limited Access in All Cities)* Upon completion of work, the Agency shall remove and dispose of all scraps, brush, timber, materials, etc. off of WSDOT owned highway right-of-way or highway right-of-way under WSDOT jurisdiction. The aesthetics of the highway shall be as it was before work started - or better.
15. **SEVERANCE AND SALE OF TIMBER AND OTHER PERSONALTY — REMOVAL OF NON-MARKETABLE MATERIALS** *(Applicable to Counties and Limited Access in All Cities)* This WSDOT and Agency Agreement is subject RCW 47.12.140, and amendments thereto.
16. **MAINTENANCE OF LANDSCAPING** *(Applicable to Cities ONLY)* The Agency is responsible for the maintenance of all landscaping beyond the face of the curbs or edge of pavement, and in the median of divided highways.
17. **ILLUMINATION CONSTRUCTION / INSPECTION** *(Applicable to Counties and Limited Access in All Cities)*



- **CONSTRUCTION.** The Agency shall assure that the construction of all illumination installed within WSDOT owned highway right-of-way or highway right-of-way under WSDOT jurisdiction meets all requirements of WSDOT.
  - **ILLUMINATION DURING CONSTRUCTION.** Pre-existing illumination shall be maintained and functional at all times during construction until the new illumination is operational.
18. **TRAFFIC SIGNAL CONSTRUCTION / INSPECTION** *(Applicable to City Projects within Limited Access Areas, Projects within Cities < 25,000 Population, and all County Projects).*
- **DESIGN/CONSTRUCTION/INSPECTION.** The Agency shall assure that the design and construction of Traffic Signals and illumination on signal poles installed within WSDOT Highway right-of-way meets all requirements of WSDOT.
  - **TRAFFIC SIGNAL STANDARDS – APPROVAL.** Traffic signal standards shall be furnished and installed in accordance with the methods and materials noted in the applicable Standard Plans, pre-approved plans, or special design plans. If the proposed signal standards are not on WSDOT's PRE-APPROVED LIST (<http://www.wsdot.wa.gov/eesc/bridge/lightsignalstandards/index.cfm>), Signal Pole Shop Drawings (Electronically, or Seven (7) sets of copies) shall be submitted to WSDOT's Construction Representative for transmittal to HQ for approval.
  - **ILLUMINATION DURING CONSTRUCTION.** Pre-existing illumination shall be maintained and functional at all times during construction until the new illumination is operational.
  - **TEMPORARY VIDEO DETECTION SYSTEM.** If any induction loop is scheduled to be disabled, a temporary video detection system shall be completely installed and made operational prior to any associated induction loop being disabled.
  - **TRAFFIC DETECTION LOOPS.** The Contractor shall notify the Area Traffic Engineer through WSDOT's Construction Representative a minimum of five (5) working days in advance of pavement removal or grinding in areas with existing loops.
- All new traffic detection loops shall be installed after grinding or prior to paving the final lift of asphalt unless otherwise approved by WSDOT's Construction Representative.
- If WSDOT's Construction Representative suspects that damage to any loop, not identified in the Plans as being replaced, may have resulted from Contractor's operations or is not operating adequately, WSDOT's Construction Representative may order the Contractor to perform the field tests specified in Section 8 20.3(14)D. The test results shall be recorded and submitted to WSDOT's Construction Representative. Loops that fail any of these tests shall be replaced.
- Loops that fail the tests, as described above, and are replaced shall be installed in accordance with current WSDOT design standards and Standard Plans, as determined by WSDOT's Construction Representative.
- If traffic signal loops that fail the tests, as described above, are not replaced and operational within 48 hours, the Contractor shall install and maintain interim video detection until the replacement loops are operational. The type of interim video detection furnished shall be approved by WSDOT's Construction Representative prior to installation.
- **TRAFFIC SIGNAL HEADS.** Unless ordered by WSDOT's Construction Representative, signal heads shall not be installed at any intersection until all other signal equipment is installed and the controller is in place, inspected, and ready for operation at that intersection, except that the signal heads may be mounted if the faces are covered with Signal Head Covering Material.
  - **SIGNAL HEAD COVERING.** The signal head covering material shall be manufactured from a durable fabric material, black in color with a mesh front, and designed to fit the signal head configuration properly. The covers shall have an attachment method that will hold the cover securely to the signal in heavy wind. The covers shall be provided with a drain to expel any accumulated water.



- **TRAFFIC SIGNAL PRE-TURN-ON COORDINATION MEETING AND TESTING.** Prior to a Traffic Signal Turn-on event, the Agency/Contractor shall conduct a Pre Turn-on coordination meeting with the following Contracting Agency personnel included as invited attendees: WSDOT's Construction Representative, Electrical Inspector, Signal Operations Engineer, and Signal Maintenance Technician. The Agency/Contractor shall provide the Engineer a minimum of 5 days written notice of the proposed Pre Turn-on coordination meeting date and time. Prior to the Pre Turn-on coordination meeting, the Agency/Contractor shall complete the items of work detailed in the Traffic Signal Turn-on Checklist and submit the completed checklist to WSDOT's Construction Representative. The Traffic Signal Turnon Checklist form will be furnished to the Agency/Contractor by WSDOT's Construction Representative.

Unless approved by WSDOT's Construction Representative, the permitted hours for Pre-Turn-On coordination and testing shall be per the Approved Traffic Control Plan(s) for the specific operation.

- **TRAFFIC SIGNAL TURN-ON AND/OR SWITCHOVER OPERATIONS.** The Agency shall contact WSDOT's Construction Representative at least five (5) working days prior to scheduling a signal turn-on in order to assure that all appropriate items on WSDOT's "Traffic Signal Turn-On Checklist" are satisfactorily addressed. The Signal Turn-On or Switchover shall not occur until all applicable Checklist items are installed and/or connected. This Checklist can be located on WSDOT's web site at: <http://www.wsdot.wa.gov/Northwest/DevelopmentServices/LocalAgency.htm> (Go to: "What is needed to turn on a traffic signal?").

Prior to scheduling a turn-on date, the Agency/Contractor shall provide verification to the State Construction Representative that all required testing has been satisfactorily completed. .

The traffic signal turn-on procedure shall not begin until all required channelization, pavement markings, illumination, signs, and sign lights are substantially complete and operational unless otherwise allowed by the State's Construction Representative.

If the Contractor is directed to turn off the traffic signal, the Contractor shall schedule a new turn-on date with the Engineer in accordance with the previously mentioned procedures.

- **PERMITTED HOURS FOR SIGNAL TURN-ON AND/OR SWITCH-OVER OPERATIONS.** Unless approved by WSDOT's Construction Representative, the permitted hours for Traffic Signal Turn-on or Switch-Over shall be per the Approved Traffic Control Plan(s) for the specific operation. Signal Switchover and Turn-On operations are permitted only on Tuesday, Wednesday, or Thursday – except in the case of an emergency. No Switchover or Turn-On operations will be permitted on Monday, Friday, weekends, holidays, or the day preceding a holiday.
- **NEW SIGNAL AHEAD/SIGNAL REVISION WARNING SIGNING.** "NEW SIGNAL AHEAD" (W20-902) or "SIGNAL REVISION AHEAD" (W20-903) signs shall be installed in advance of all affected directions of travel on the Project when a new traffic signal system is installed or when modifications to an existing signal are made. The location of the signs shall be per Section 2C.05 of the MUTCD, or as directed by WSDOT's Construction Representative. These signs are 48" X 48" black letters on orange background, and shall be post mounted. The bottom of the sign shall be mounted seven (7) feet above the pavement elevation. Each sign shall have three 12" by 12" Fluorescent Orange flags or Flag Signs mounted on both sides and on top of the sign. The flags signs shall be made of aluminum. Flags shall be made of durable cloth or plastic. The signs and flags shall stay erect for six to eight weeks or as directed by WSDOT's Construction Representative.

19. **INTELLIGENT TRANSPORTATION SYSTEM CONSTRUCTION/INSPECTION** (*Applicable to City Projects within Limited Access Areas, Projects within Cities < 27,500 Population, and all County Projects*). The Agency shall assure that the construction of Intelligent Transportation Systems owned by WSDOT meets all requirements of WSDOT.
20. **SIGN INSTALLATION AND MAINTENANCE** (*Applicable to ALL Projects*) All Directional, Regulatory, and Stop Signs as well as Route Markers shall be installed as per the Approved Plans, the WSDOT Standard Plans, or as directed by WSDOT's Construction Representative. The DEPARTMENT shall own and maintain these signs- unless the Agency signs a Contract or Maintenance Agreement with WSDOT to perform sign maintenance.
21. **TRAFFIC REVISION WARNING SIGNING** (*Applicable to ALL Projects*) When the permanent channelization of the highway is changed, "TRAFFIC REVISION AHEAD" (W20-901) signs shall be installed in advance of all affected directions of travel of the Project. The location of the signs shall be per Section 2C.05 of the MUTCD, or as directed by WSDOT's Construction Representative. These signs are 48" X 48" black letters on orange background, and shall be post mounted. The bottom of the sign shall be mounted seven (7) feet above the pavement elevation. Each sign shall have three (3) 12" by 12" Fluorescent Orange flags or Flag Signs mounted on both sides and on top of the sign. The flags signs shall be made of aluminum. Flags shall be made of durable cloth or plastic. The signs and flags shall stay erect for six to eight weeks or as directed by WSDOT's Construction Representative.



22. **REMOVAL OF PAVEMENT MARKINGS** *(Applicable to ALL Projects)* Removal of Pavement Markings Pavement markings to be removed shall be obliterated until blemishes caused by the pavement marking removal conform to the coloration of the adjacent pavement. Grinding to remove painted markings is only allowed prior to application of a Bituminous Surface Treatment (BST). Grinding to remove pavement markings from hot mix asphalt and cement concrete pavements is allowed to a depth just above the pavement surface, then water blasting or shot blasting shall be required to remove the remaining markings. If in the opinion of WSDOT's Construction Representative the pavement is materially damaged by pavement marking removal, such damage shall be repaired by the Contractor in accordance with Section 1-07.13(1). Sand or other material deposited on the pavement as a result of removing lines and markings shall be removed as the Work progresses to avoid hazardous conditions. Accumulation of sand or other material which might interfere with drainage will not be permitted.
23. **APPLICATION OF CHANNELIZATION PAVEMENT MARKINGS** *(Applicable to City Projects within Limited Access Areas, Projects within Cities < 27,500 Population, and all County Projects)*. Two applications of paint shall be required for all paint stripe markings as per the Contract Plans or WSDOT Standard Specifications. Plastic Pavement Markings shall be applied per the Contract Plans or WSDOT Standard Specifications.
24. **NON PAYMENT OF REIMBURSABLE ACCOUNT** *(Applicable to ALL City Projects)* The Agency agrees that if it does not make payment for any WSDOT work, as provided herein, within ninety (90) calendar days after receipt of a WSDOT invoice, WSDOT may deduct and expend any monies to which the Agency is entitled to receive from the Motor Vehicle Fund as provided by RCW 47.24.050.



# **EXHIBIT “B”**

Right of Way Sheet - 2 Sheets



6/4/2020 3:45:20 PM  
pw:\HQOLYMAPPPW03P.WSDOT.LOC\WSDOT\Documents\HQ\Right of Way\State Routes\SR161\259\_TownOfEatonville\Vic\Letters\Letter\_2020-05-27\CAD-CAE\CAD\Sheets\XL5971\_161\_RW\_PS\_003.dgn

T.16N. R.4E. W.M.



THE BASIS OF BEARINGS WAS ESTABLISHED FROM  
WSDOT GEODETIC SURVEY STATIONS MASHEL AND  
BM27161-34 AS N 3°33'42" E (NAD 83/07). FOR  
DOCUMENTATION OF THESE STATIONS SEE THE  
GEODETIC SURVEY WEBSITE AT  
<http://www.wsdot.wa.gov/monument/>.

PROJECT DATUM DETERMINED FROM THE WASHINGTON  
COORDINATE SYSTEM SOUTH ZONE (NAD 83/07).

THE DISTANCES SHOWN ARE GROUND DISTANCES.

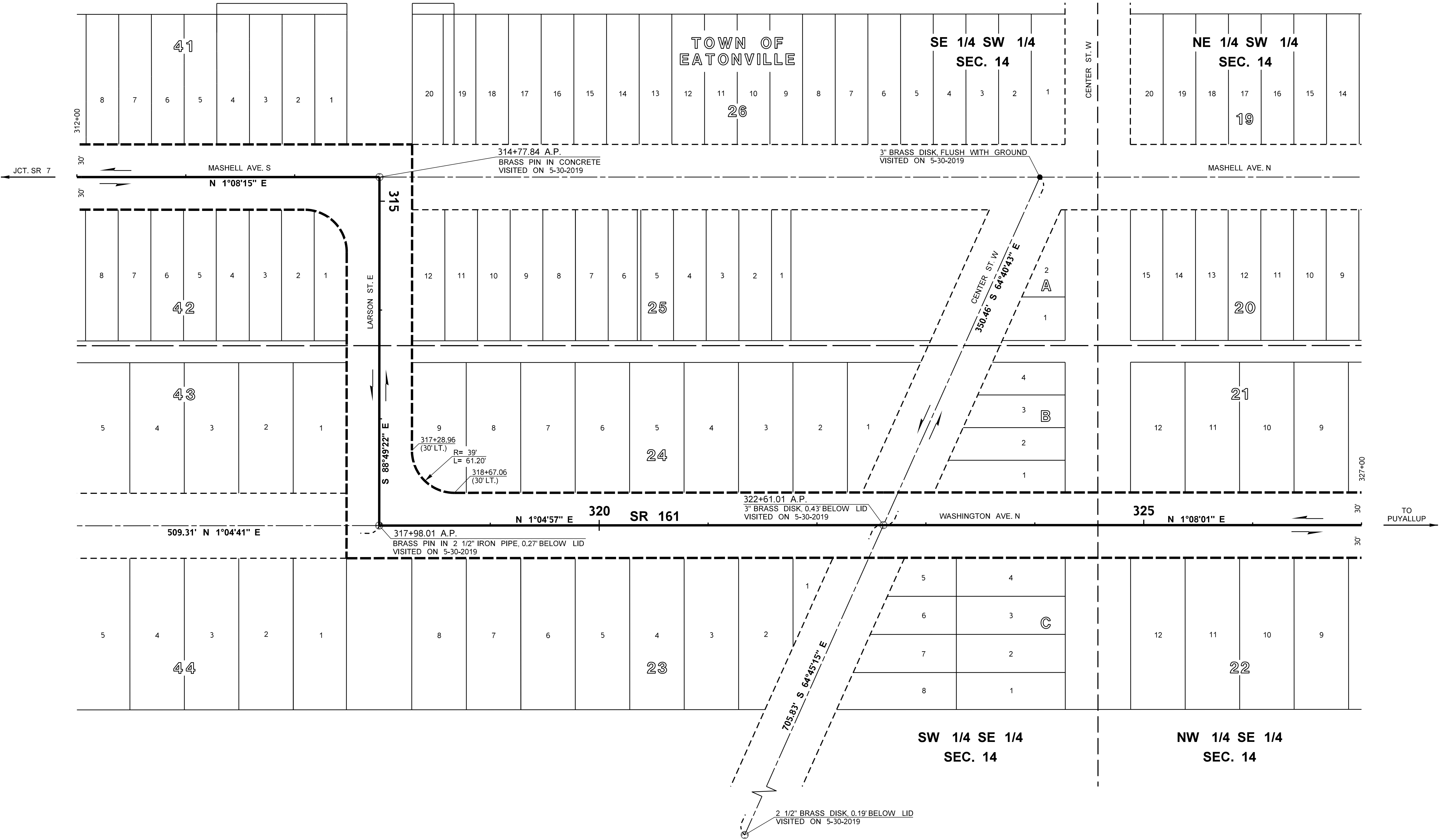
TO OBTAIN THE GRID DISTANCE, CONVERT THE  
GROUND DISTANCE TO METERS AND MULTIPLY BY  
THE COMBINED FACTOR OF 0.99989186.

METERS = FEET MULTIPLIED BY (12/39.37)

FOR SURVEY INFORMATION SEE RECORD OF SURVEY  
SR 161, TOWN OF EATONVILLE VICINITY, RECORDED  
MAY 21, 2020 IN PIERCE COUNTY, AFN 202005215001.

THIS PLAN SUPERSEDES SR 161, LATERAL HIGHWAY  
NO. 5 EATONVILLE, SHEETS 2 AND 3 OF 3 SHEETS,  
DATED AUG. 1930 AND A PORTION OF SR 161, JCT.  
S.S.H. NO. 5-G TO EATONVILLE, SHEET 20 OF 20  
SHEETS, DATE RECORDED AUG. 7 1956.

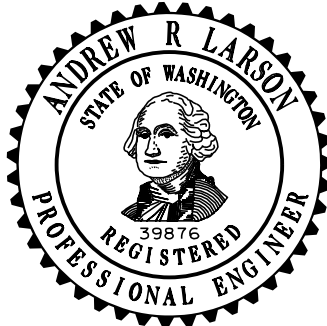
ALL PLANS ARE SUBJECT TO CHANGE. OWNERSHIP  
SHOULD BE VERIFIED. PROPOSED PROPERTY  
RIGHTS SHOWN MAY NOT HAVE BEEN ACQUIRED.  
ENCUMBRANCES MAY OR MAY NOT BE SHOWN.  
PARTIES SEEKING CURRENT PLAN INFORMATION  
SHOULD CONSULT THE DEPARTMENT OF  
TRANSPORTATION HEADQUARTERS RIGHT OF  
WAY PLANS OFFICE FOR THE OFFICIAL PLAN ON  
FILE. FOR ENCUMBRANCE INFORMATION CONSULT  
THE DEPARTMENT OF TRANSPORTATION  
HEADQUARTERS REAL ESTATE SERVICES OFFICE.



SR 161  
TOWN OF EATONVILLE  
VICINITY

PIERCE COUNTY

RIGHT OF WAY PLAN  
MP 2.82 TO MP 3.10  
STATION 312+00 TO STATION 327+00  
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION  
OLYMPIA, WASHINGTON



PROJECT ENGINEER

JUNE 4, 2020  
APPROVED AND ADOPTED

STATE SURVEY MANAGER  
SHEET 3 OF 4 SHEET(S)

-						
-						
-						
-						
-						
PARCEL NO.	NAME	TOTAL AREA	R/W	LT. REMAINDER RT.	EASMT	
TOTAL AREA IS FROM ASSESSOR'S RECORDS UNLESS OTHERWISE NOTED.						

OWNERSHIPS

ALL AREAS ARE SHOWN IN SQUARE  
FEET UNLESS OTHERWISE NOTED.

LEGEND

PROPERTY OWNERSHIP NUMBERS

PROPERTY LINES

SCALE IN FEET

0 50 100

Reference	Approval	Revision Description	By
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6/4/2020 3:48:17 PM pw:\HQOLYMAPPW03P.WSDOT.LOC\WSDOT\Documents\HQ\Right of Way\State Routes\SR161\2.59\_TownOfEatonvilleVic\Letters\Letter\_2020-05-27\CAD-CAE\CAD\Sheets\XL5971\_161\_RW\_PS\_004.dgn

T.16N. R.4E. W.M.

WASHINGTON COORDINATE SYSTEM SOUTH 83/07 [METERS]			
GPS NUMBER	NORTHING	EASTING	CONV. ANGLE
BM27161-34	172,505.614	365,398.286	-1°16'57.7"



THE BASIS OF BEARINGS WAS ESTABLISHED FROM WSDOT GEODETIC SURVEY STATIONS MASHEL AND BM27161-34 AS N 3°33'42" E (NAD 83/07). FOR DOCUMENTATION OF THESE STATIONS SEE THE GEODETIC SURVEY WEBSITE AT <http://www.wsdot.wa.gov/monument/>.

PROJECT DATUM DETERMINED FROM THE WASHINGTON COORDINATE SYSTEM SOUTH ZONE (NAD 83/07).

THE DISTANCES SHOWN ARE GROUND DISTANCES.

TO OBTAIN THE GRID DISTANCE, CONVERT THE GROUND DISTANCE TO METERS AND MULTIPLY BY THE COMBINED FACTOR OF 0.99989186.

METERS = FEET MULTIPLIED BY (12/39.37)

FOR SURVEY INFORMATION SEE RECORD OF SURVEY SR 161, TOWN OF EATONVILLE VICINITY, RECORDED MAY 21, 2020 IN PIERCE COUNTY, AFN 202005215001.

THIS PLAN SUPERSEDES SR 161, LATERAL HIGHWAY NO. 5 EATONVILLE, SHEETS 2 AND 3 OF 3 SHEETS, DATED AUG. 1930 AND A PORTION OF SR 161, JCT. S.S.H. NO. 5-G TO EATONVILLE, SHEET 20 OF 20 SHEETS, DATE RECORDED AUG. 7 1956.

ALL PLANS ARE SUBJECT TO CHANGE. OWNERSHIP SHOULD BE VERIFIED. PROPOSED PROPERTY RIGHTS SHOWN MAY NOT HAVE BEEN ACQUIRED. ENCUMBRANCES MAY OR MAY NOT BE SHOWN. PARTIES SEEKING CURRENT PLAN INFORMATION SHOULD CONSULT THE DEPARTMENT OF TRANSPORTATION HEADQUARTERS RIGHT OF WAY PLANS OFFICE FOR THE OFFICIAL PLAN ON FILE. FOR ENCUMBRANCE INFORMATION CONSULT THE DEPARTMENT OF TRANSPORTATION HEADQUARTERS REAL ESTATE SERVICES OFFICE.

FOR R/W NORTHERLY SEE SR 161, JCT. S.S.H. NO. 5-G TO EATONVILLE, SHEET 20 OF 20 SHEETS, DATE RECORDED AUG. 7, 1956.

BM27161-34

284.74'  
S 18°21'40" E

TO PUYALLUP

END OF PLAN  
STA. 338+06.25 A.P. BK. =  
STA. 396+33.50 A.P. AHD.  
MP 3.31

SR 161  
TOWN OF EATONVILLE  
VICINITY

PIERCE COUNTY

RIGHT OF WAY PLAN  
MP 3.10 TO MP 3.31  
STATION 327+00 TO STATION 338+06.25

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION  
OLYMPIA, WASHINGTON



PROJECT ENGINEER

JUNE 4, 2020  
APPROVED AND ADOPTED

STATE SURVEY MANAGER  
SHEET 4 OF 4 SHEET(S)

CARTER ST. W

2" BRASS DISK 0.6' BELOW LID  
VISITED ON 7-25-2019

319.93' S 88°52'21" E

331+18.01 A.P.  
2" BRASS DISK FLUSH WITH GROUND  
VISITED ON 5-30-2019

2" BRASS DISK FLUSH WITH GROUND  
VISITED ON 5-30-2019

LYNCH CREEK RD. E  
165.04' S 88°29'13" E

LEGEND

PROPERTY OWNERSHIP NUMBERS

-

PROPERTY LINES

.....

0 50 100  
SCALE IN FEET

PARCEL NO.	NAME	TOTAL AREA	R/W	LT. REMAINDER RT.	EASMT
-					
-					
-					
-					
-					
TOTAL AREA IS FROM ASSESSOR'S RECORDS UNLESS OTHERWISE NOTED.					

OWNERSHIPS

ALL AREAS ARE SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED.



# **EXHIBIT “C”**

**Contract Special Provisions - 163 Sheets**



## **SPECIAL PROVISIONS**



# Special Provisions

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## INTRODUCTION TO THE SPECIAL PROVISIONS

*(December 10, 2020 APWA GSP)*

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2022 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 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)*

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.



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## DIVISION 1

### GENERAL REQUIREMENTS

#### DESCRIPTION OF WORK

*(March 13, 1995 WDOT GSP)*

This Contract provides for the improvement of \*\*\* SR161/Washington Ave N, from Lynch Creek Drive E to 200' north of Center Street E (SR 161 MP 2.91 to MP 3.38). The improvements to be performed include removal of existing pavement; temporary erosion and water pollution control; installation of new illumination system and RRFB; storm drainage and water line improvements; construction of retaining walls, curb, gutter, and sidewalk; installation of street trees in tree grates; urban design amenities; property restoration; installation of new channelization and permanent signing \*\*\* and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

#### 1-01 DEFINITIONS AND TERMS

##### 1-01.3 Definitions

*(January 4, 2016 APWA GSP)*

*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.

**1-02 BID PROCEDURES AND CONDITIONS****1-02.1 Prequalification of Bidders**

*Delete this Section and replace it with the following:*

**1-02.1 Qualifications of Bidder**

*(January 24, 2011 APWA GSP)*

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.

**1-02.2 Plans and Specifications**

*(June 27, 2011 APWA GSP)*

Delete this section and replace it with the following:

Information as to where Bid Documents can be obtained or reviewed will 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")	1	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.

### **1-02.5 Proposal Forms**

*(July 31, 2017 APWA GSP)*

*Delete this section and replace it with the following:*

The Proposal Form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and the materials to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name, address, telephone number, and signature; the bidder's UDBE/DBE/M/WBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be completed by typing or shall be printed in ink by hand, preferably in black ink. The required certifications are included as part of the Proposal Form.

The Contracting Agency reserves the right to arrange the proposal forms with alternates and additives, if such be to the advantage of the Contracting Agency. The bidder shall bid on all alternates and additives set forth in the Proposal Form unless otherwise specified.

### **1-02.6 Preparation of Proposal**

*(December 10, 2020 APWA GSP, Option A)*

*Supplement this section with the following:*

The Bidder shall submit with the Bid a completed Disadvantaged Business Enterprise (DBE) Utilization Certification, when required by the Special Provisions. For each and every DBE firm listed on the Bidder's completed Disadvantaged Business Enterprise Utilization Certification, the Bidder shall submit written confirmation from that DBE firm that the DBE is in agreement with the DBE participation commitment that the Bidder has made in the Bidder's completed Disadvantaged Business Enterprise Utilization Certification.

WSDOT Form 422 031 (Disadvantaged Business Enterprise Written Confirmation Document) is to be used for this purpose. Bidder must submit good faith effort documentation only in the event the bidder's efforts to solicit sufficient DBE participation have been unsuccessful.

The Bidder shall submit a DBE Bid Item Breakdown form defining the scope of work to be performed by each DBE listed on the DBE Utilization Certification.

If the Bidder lists a DBE Trucking firm on the DBE Utilization Certification, then the Bidder must also submit a DBE Trucking Credit Form (WSDOT Form 272-058) documenting how the DBE Trucking firm will be able to perform the scope of work subcontracted to them.

Directions for delivery of the Disadvantaged Business Enterprise Written Confirmation Documents, Disadvantaged Business Enterprise Good Faith Effort documentation, DBE Bid Item Breakdown Form and the DBE Trucking Credit Form are included in Section 1-02.9.



*(December 10, 2020 APWA GSP Option B)*

*Supplement the second paragraph with the following:*

4. If a minimum bid amount has been established for any item, the unit or lump sum price must equal or exceed the minimum amount stated.
5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the bid.

*Delete the last two paragraphs, and replace them with the following:*

The Bidder shall submit with their Bid a completed Contractor Certification Wage Law Compliance form, provided by the Contracting Agency. Failure to return this certification as part of the Bid Proposal package will make this Bid Nonresponsive and ineligible for Award. A Contractor Certification of Wage Law Compliance form is included in the Proposal Forms.

The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

A bid by a corporation shall be executed in the corporate name, by the president or a vice president (or other corporate officer accompanied by evidence of authority to sign).

A bid by a partnership shall be executed in the partnership name, and signed by a partner. A copy of the partnership agreement shall be submitted with the Bid Form if any UDBE requirements are to be satisfied through such an agreement.

A bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form if any UDBE requirements are to be satisfied through such an agreement.

*(WSDOT GSP November 9, 2020)*

*The fourth paragraph of Section 1-02.6 is revised to read:*

The Bidder shall submit with the Bid a completed Disadvantaged Business Enterprise (DBE) Utilization Certification, when required by the Special Provisions. For each and every DBE firm listed on the Bidder's completed Disadvantaged Business Enterprise Utilization Certification, the Bidder shall submit written confirmation from that DBE firm that the DBE is in agreement with the DBE participation commitment that the Bidder has made in the Bidder's completed Disadvantaged Business Enterprise Utilization Certification. WSDOT Form 422-031 (Disadvantaged Business Enterprise Written Confirmation Document) is to be used for this purpose. Bidder must submit good faith effort documentation only in the event the bidder's efforts to solicit sufficient DBE participation have been unsuccessful. The Bidder shall submit a DBE Bid Item Breakdown form defining the scope of work to be performed by each DBE listed on the DBE Utilization Certification. If the Bidder lists a DBE Trucking firm on the DBE Utilization Certification, then the Bidder must also submit a DBE Trucking Credit Form (WSDOT Form 272-058) documenting how the DBE Trucking firm will be able to perform the scope of work subcontracted to them. Directions for delivery of the Disadvantaged Business Enterprise Written Confirmation Documents, Disadvantaged Business Enterprise Good Faith Effort documentation, DBE Bid Item Breakdown Form and the DBE Trucking Credit Form are included in Section 1-02.9.

Add the following new section:



### **1-02.6(1) Recycled Materials Proposal**

*(January 4, 2016 APWA GSP)*

The Bidder shall submit with the Bid, its proposal for incorporating recycled materials into the project, using the form provided in the Contract Provisions.

### **1-02.7 Bid Deposit**

*(March 8, 2013 APWA GSP)*

*Supplement this section 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 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.

### **1-02.9 Delivery of Proposal**

*(June 17, 2021 APWA GSP, Option A)*

Delete this section 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.

To be considered responsive on a FHWA-funded project, the Bidder may be required to submit the following items, as required by Section 1-02.6:

- DBE Utilization Certification
- DBE Written Confirmation Document from each DBE firm listed on the Bidder's completed DBE Utilization Certification (WSDOT 272-056)
- Good Faith Effort (GFE) Documentation
- DBE Bid Item Breakdown (WSDOT 272-054)
- DBE Trucking Credit Form (WSDOT 272-058)



**DBE Utilization Certification**

The DBE Utilization Certification shall be received at the same location and no later than the time required for delivery of the Proposal. The Contracting Agency will not open or consider any Proposal when the DBE Utilization Certification is received after the time specified for receipt of Proposals or received in a location other than that specified for receipt of Proposals. The DBE Utilization Certification may be submitted in the same envelope as the Bid deposit.

**DBE Written Confirmation and/or GFE Documentation**

The DBE Written Confirmation Documents and/or GFE Documents are not required to be submitted with the Proposal. The DBE Written Confirmation Document(s) and/or GFE (if any) shall be received either with the Bid Proposal or as a Supplement to the Bid. The documents shall be received no later than 48 hours (not including Saturdays, Sundays and Holidays) after the time for delivery of the Proposal. To be considered responsive, Bidders shall submit Written Confirmation Documentation from each DBE firm listed on the Bidder's completed DBE Utilization Certification and/or the GFE as required by Section 1-02.6.

**DBE Bid Item Breakdown and DBE Trucking Credit Form**

The DBE Bid Item Breakdown and the DBE Trucking Credit Forms (if applicable) shall be received either with the Bid Proposal or as a Supplement to the Bid. The documents shall be received no later than 48 hours (not including Saturdays, Sundays and Holidays) after the time for delivery of the Proposal. To be considered responsive, Bidders shall submit a completed DBE Bid Item Breakdown and a DBE Trucking Credit Form for each DBE Trucking firm listed on the DBE Utilization Certification, however, minor errors and corrections to DBE Bid Item Breakdown or DBE Trucking Credit Forms will be returned for correction for a period up to five calendar days (not including Saturdays, Sundays and Holidays) after the time for delivery of the Proposal. A DBE Bid Item Breakdown or DBE Trucking Credit Forms that are still incorrect after the correction period will be determined to be non-responsive.

Proposals that are received as required will be publicly opened and read as specified in Section 1-02.12. 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. The Contracting Agency will not open or consider any "Supplemental Information" (DBE confirmations, or GFE documentation) that is received after the time specified above, or received in a location other than that specified in the Call for Bids.

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.

**1-02.10    Withdrawing, Revising, or Supplementing Proposal**

*(July 23, 2015 APWA GSP)*

*Delete this section, 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.

### **1-02.13 Irregular Proposals**

*(October 1, 2020 APWA GSP)*

*Delete this section 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 bidder's 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 Bidder fails to submit a DBE Bid Item Breakdown form, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions;



- l. The Bidder fails to submit DBE Trucking Credit Forms, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions;
  - m. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
  - n. 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.

#### **1-02.14 Disqualification of Bidders**

*(May 17, 2018 APWA GSP, Option B)*

Delete this section and replace it with the following:

A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended; or does not meet Supplemental Criteria 1-7 listed in this Section.

The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility criteria in RCW 39.04.350(1), and Supplemental Criteria 1-2. Evidence that the Bidder meets Supplemental Criteria 3-7 shall be provided by the Bidder as stated later in this Section.

##### **1. Delinquent State Taxes**

- A Criterion: The Bidder shall not owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department of Revenue.
- B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder does not owe delinquent taxes to the Washington State Department of Revenue, or if delinquent taxes are owed to the Washington State Department of Revenue, the Bidder must submit a written payment plan approved by the Department of Revenue, to the Contracting Agency by the deadline listed below.

##### **2. Federal Debarment**

- A Criterion: The Bidder shall not currently be debarred or suspended by the Federal government.



- B. Documentation: The Bidder shall not be listed as having an “active exclusion” on the U.S. government’s “System for Award Management” database (www.sam.gov).

3. **Subcontractor Responsibility**

- A. Criterion: The Bidder’s standard subcontract form shall include the subcontractor responsibility language required by RCW 39.06.020, and the Bidder shall have an established procedure which it utilizes to validate the responsibility of each of its subcontractors. The Bidder’s subcontract form shall also include a requirement that each of its subcontractors shall have and document a similar procedure to determine whether the sub-tier subcontractors with whom it contracts are also “responsible” subcontractors as defined by RCW 39.06.020.
- B. Documentation: The Bidder, if and when required as detailed below, shall submit a copy of its standard subcontract form for review by the Contracting Agency, and a written description of its procedure for validating the responsibility of subcontractors with which it contracts.

4. **Claims Against Retainage and Bonds**

- A. Criterion: The Bidder shall not have a record of excessive claims filed against the retainage or payment bonds for public works projects in the three years prior to the bid submittal date, that demonstrate a lack of effective management by the Bidder of making timely and appropriate payments to its subcontractors, suppliers, and workers, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.
- B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of the public works projects completed in the three years prior to the bid submittal date that have had claims against retainage and bonds and include for each project the following information:
- Name of project
  - The owner and contact information for the owner;
  - A list of claims filed against the retainage and/or payment bond for any of the projects listed;
  - A written explanation of the circumstances surrounding each claim and the ultimate resolution of the claim.

5. **Public Bidding Crime**

- A. Criterion: The Bidder and/or its owners shall not have been convicted of a crime involving bidding on a public works contract in the five years prior to the bid submittal date.
- B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder and/or its owners have not been convicted of a crime involving bidding on a public works contract.



6. **Termination for Cause / Termination for Default**

- A. **Criterion:** The Bidder shall not have had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.
- B. **Documentation:** The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date; or if Bidder was terminated, describe the circumstances. .

7. **Lawsuits**

- A. **Criterion:** The Bidder shall not have lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency
- B. **Documentation:** The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, or shall submit a list of all lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date, along with a written explanation of the circumstances surrounding each such lawsuit. The Contracting Agency shall evaluate these explanations to determine whether the lawsuits demonstrate a pattern of failing to meet of terms of construction related contracts

As evidence that the Bidder meets the Supplemental Criteria stated above, the apparent low Bidder must submit to the Contracting Agency by 12:00 P.M. (noon) of the second business day following the bid submittal deadline, a written statement verifying that the Bidder meets the supplemental criteria together with supporting documentation (sufficient in the sole judgment of the Contracting Agency) demonstrating compliance with the Supplemental Criteria. The Contracting Agency reserves the right to request further documentation as needed from the low Bidder and documentation from other Bidders as well to assess Bidder responsibility and compliance with all bidder responsibility criteria. The Contracting Agency also reserves the right to obtain information from third-parties and independent sources of information concerning a Bidder's compliance with the mandatory and supplemental criteria, and to use that information in their evaluation. The Contracting Agency may consider mitigating factors in determining whether the Bidder complies with the requirements of the supplemental criteria.

The basis for evaluation of Bidder compliance with these mandatory and supplemental criteria shall include any documents or facts obtained by Contracting Agency (whether from the Bidder or third parties) including but not limited to: (i) financial, historical, or operational data from the Bidder; (ii) information obtained directly by the Contracting Agency from others for whom the Bidder has worked, or other public agencies or private



enterprises; and (iii) any additional information obtained by the Contracting Agency which is believed to be relevant to the matter.

If the Contracting Agency determines the Bidder does not meet the bidder responsibility criteria above and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees with this determination, it may appeal the determination within two (2) business days of the Contracting Agency's determination by presenting its appeal and any additional information to the Contracting Agency. The Contracting Agency will consider the appeal and any additional information before issuing its final determination. If the final determination affirms that the Bidder is not responsible, the Contracting Agency will not execute a contract with any other Bidder until at least two business days after the Bidder determined to be not responsible has received the Contracting Agency's final determination.

**Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid:** Bidders with concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility Criteria may make or submit requests to the Contracting Agency to modify the criteria. Such requests shall be in writing, describe the nature of the concerns, and propose specific modifications to the criteria. Bidders shall submit such requests to the Contracting Agency no later than five (5) business days prior to the bid submittal deadline and address the request to the Project Engineer or such other person designated by the Contracting Agency in the Bid Documents.

#### **1-02.15 Pre Award Information**

*(August 14, 2013 APWA GSP)*

*Revise this section 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 town 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.



## **1-03 AWARD AND EXECUTION OF CONTRACT**

### **1-03.1 Consideration of Bids**

*(January 23, 2006 APWA GSP)*

*Revise the first paragraph to read:*

After opening and reading proposals, the Contracting Agency will check them for correctness of extensions of the prices per unit and the total price. If a discrepancy exists between the price per unit and the extended amount of any bid item, the price per unit will control. If a minimum bid amount has been established for any item and the bidder's unit or lump sum price is less than the minimum specified amount, the Contracting Agency will unilaterally revise the unit or lump sum price to the minimum specified amount and recalculate the extension. The total of extensions, corrected where necessary, including sales taxes where applicable and such additives and/or alternates as selected by the Contracting Agency, will be used by the Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the amount of the contract bond.

### **1-03.3 Execution of Contract**

*(October 1, 2005 APWA GSP)*

*Revise this section to read:*

Copies of the Contract Provisions, including the unsigned Form of Contract, will be available for signature by the successful bidder on the first business day following award. The number of copies to be executed by the Contractor will be determined by the Contracting Agency.

Within 10 calendar days after the award date, the successful bidder shall return the signed Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, and a satisfactory bond as required by law and Section 1-03.4. Before execution of the contract by the Contracting Agency, the successful bidder shall provide any pre-award information the Contracting Agency may require under Section 1-02.15.

Until the Contracting Agency executes a contract, no proposal shall bind the Contracting Agency nor shall any work begin within the project limits or within Contracting Agency-furnished sites. The Contractor shall bear all risks for any work begun outside such areas and for any materials ordered before the contract is executed by the Contracting Agency.

If the bidder experiences circumstances beyond their control that prevents return of the contract documents within 10 calendar days after the award date stated above, the Contracting Agency may grant up to a maximum of 2 additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances to be acceptable.

### **1-03.4 Contract Bond**

*(July 23, 2015 APWA GSP)*

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).

### **1-03.7 Judicial Review**

*(November 30, 2018 APWA GSP)*

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 36.01.050 shall control venue and jurisdiction.



## 1-04 SCOPE OF WORK

### 1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda

*(December 10, 2020 APWA GSP)*

*Revise the second paragraph to read:*

Any inconsistency in the parts of the contract shall be resolved by following this order of precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

1. Addenda,
2. Proposal Form,
3. Special Provisions,
4. Contract Plans,
5. Standard Specifications,
6. Contracting Agency's Standard Plans or Details (if any), and
7. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

## 1-05 CONTROL OF WORK

### 1-05.4 Conformity With and Deviations From Plans and Stakes

*Section 1-05.4 is supplemented with the following:*

*(January 13, 2021 WSDOT GSP)*

#### ***Contractor Surveying - Roadway***

The Contracting Agency has provided primary survey control in the Plans.

The Contractor shall be responsible for setting, 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 Contractor.
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 Contractor.
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. Contractor shall determine if changes are needed to the profiles or roadway sections shown in the Contract Plans in order to achieve proper smoothness and drainage where matching into existing features, such as a smooth transition from new pavement to existing pavement. The Contractor shall submit these changes to the 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.



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 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.

*(April 2, 2018 WSDOT GSP Option 4)*

Section 1-05.4 is supplemented with the following:

**Contractor Surveying – ADA Features  
ADA Feature Staking Requirements**

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, and grades necessary for the construction of the ADA features. Calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility. The Contractor shall build the ADA features within the specifications in the Standard Plans and contract documents.

**ADA Feature As-Built Measurements**

The Contractor shall be responsible for providing electronic As-Built records of all ADA feature improvements completed in the Contract.

The survey work shall include but not be limited to completing the measurements, recording the required measurements and completing other data fill-ins found on the ADA Measurement Forms, and transmitting the electronic Forms to the Engineer. The ADA Measurement Forms are found at the following website location:

<http://www.wsdot.wa.gov/Design/ADAGuidance.htm>

In the instance where an ADA Feature does not meet accessibility requirements, all work to replace non-conforming work and then to measure, record the as-built measurements, and transmit the electronic Forms to the Engineer shall be completed at no additional cost to the Contracting Agency, as ordered by the Engineer.

**Payment**

Payment will be made for the following bid item that is included in the Proposal:

"ADA Features Surveying", lump sum.

The unit Contract price per lump sum for "ADA Features Surveying" shall be full pay for all the Work as specified.

**1-05.7 Removal of Defective and Unauthorized Work**

*(October 1, 2005 APWA GSP)*

*Supplement this section 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.

#### **1-05.11 Final Inspection**

Delete this section and replace it with the following:

#### **1-05.11 Final Inspections and Operational Testing**

*(October 1, 2005 APWA GSP)*

##### **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 therefor.

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 manufacturer's guaranties or warranties furnished under the terms of the contract.

**1-05.13 Superintendents, Labor and Equipment of Contractor**

*(August 14, 2013 APWA GSP)*

*Delete the sixth and seventh paragraphs of this section.*

**1-05.14 Cooperation with Other Contractors**

*(March 13, 1995 WSDOT GSP)*

*Section 1-05.14 is supplemented with the following:*

**Other Contracts Or Other Work**

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:

\*\*\*

- Franchise utility structure relocations or adjustments by Comcast and AT&T
- See also Section 1-07.17 herein for additional requirements

\*\*\*

*Add the following New Section:*

**1-05.16 Water and Power**

*(October 1, 2005 APWA GSP)*

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.

*Add the following New Section:*

**1-05.18 Record Drawings**

*(March 8, 2013 APWA GSP)*

The Contractor shall maintain one set of full size plans for Record Drawings, updated with clear and accurate red-lined field revisions on a daily basis, and within 2 business days after receipt of information that a change in Work has occurred. The Contractor shall not conceal any work until the required information is recorded.

This Record Drawing set shall be used for this purpose alone, shall be kept separate from other Plan sheets, and shall be clearly marked as Record Drawings. These Record Drawings shall be kept on site at the Contractor's field office, and shall be available for review by the Contracting Agency at all times. The Contractor shall bring the Record Drawings to each progress meeting for review.



The preparation and upkeep of the Record Drawings is to be the assigned responsibility of a single experienced and qualified individual. The quality of the Record Drawings, in terms of accuracy, clarity, and completeness, is to be adequate to allow the Contracting Agency to modify the computer-aided drafting (CAD) Contract Drawings to produce a complete set of Record Drawings for the Contracting Agency without further investigative effort by the Contracting Agency.

The Record Drawing markups shall document all changes in the Work, both concealed and visible. Items that must be shown on the markups include but are not limited to:

- Actual dimensions, arrangement, and materials used when different than shown in the Plans.
- Changes made by Change Order or Field Order.
- Changes made by the Contractor.
- Accurate locations of storm sewer, sanitary sewer, water mains and other water appurtenances, structures, conduits, light standards, vaults, width of roadways, sidewalks, landscaping areas, building footprints, channelization and pavement markings, etc. Include pipe invert elevations, top of castings (manholes, inlets, etc.).

If the Contract calls for the Contracting Agency to do all surveying and staking, the Contracting Agency will provide the elevations at the tolerances the Contracting Agency requires for the Record Drawings.

When the Contract calls for the Contractor to do the surveying/staking, the applicable tolerance limits include, but are not limited to the following:

	Vertical	Horizontal
As-built sanitary & storm invert and grate elevations	± 0.01 foot	± 0.01 foot
As-built monumentation	± 0.001 foot	± 0.001 foot
As-built waterlines, inverts, valves, hydrants	± 0.10 foot	± 0.10 foot
As-built ponds/swales/water features	± 0.10 foot	± 0.10 foot
As-built buildings (fin. Floor elev.)	± 0.01 foot	± 0.10 foot
As-built gas lines, power, TV, Tel, Com	± 0.10 foot	± 0.10 foot
As-built signs, signals, etc.	N/A	± 0.10 foot

Making Entries on the Record Drawings:

- Use erasable colored pencil (not ink) for all markings on the Record Drawings, conforming to the following color code:
  - Additions - Red
  - Deletions - Green
  - Comments - Blue
  - Dimensions - Graphite
- Provide the applicable reference for all entries, such as the change order number, the request for information (RFI) number, or the approved shop drawing number.
- Date all entries.



- Clearly identify all items in the entry with notes similar to those in the Contract Drawings (such as pipe symbols, centerline elevations, materials, pipe joint abbreviations, etc.).

The Contractor shall certify on the Record Drawings that said drawings are an accurate depiction of built conditions, and in conformance with the requirements detailed above. The Contractor shall submit final Record Drawings to the Contracting Agency. Contracting Agency acceptance of the Record Drawings is one of the requirements for achieving Physical Completion.

Payment will be made for the following bid item:

Record Drawings (Minimum Bid \$ 5,000)	Lump Sum
---	----------

Payment for this item will be made on a prorated monthly basis for work completed in accordance with this section up to 75% of the lump sum bid. The final 25% of the lump sum item will be paid upon submittal and approval of the completed Record Drawings set prepared in conformance with these Special Provisions.

A minimum bid amount has been entered in the Bid Proposal for this item. The Contractor must bid at least that amount.

## 1-06 CONTROL OF MATERIAL

*Section 1-06 is supplemented with the following:*

### BUY AMERICA

*(August 6, 2012 WSDOT GSP)*

In accordance with Buy America requirements contained in 23 CFR 635.410, the major quantities of steel and iron construction material that are permanently incorporated into the project shall consist of American-made materials only. Buy America does not apply to temporary steel items, e.g., temporary sheet piling, temporary bridges, steel scaffolding and falsework.

Minor amounts of foreign steel and iron may be utilized in this project provided the cost of the foreign material used does not exceed one-tenth of one percent of the total contract cost or \$2,500.00, whichever is greater.

American-made material is defined as material having all manufacturing processes occurring domestically. To further define the coverage, a domestic product is a manufactured steel material that was produced in one of the 50 States, the District of Columbia, Puerto Rico, or in the territories and possessions of the United States.

If domestically produced steel billets or iron ingots are exported outside of the area of coverage as defined above for any manufacturing process, then the resulting product does not conform to the Buy America requirements. Additionally, products manufactured domestically from foreign source steel billets or iron ingots do not conform to the Buy America requirements because the initial melting and mixing of alloys to create the material occurred in a foreign country.



Manufacturing begins with the initial melting and mixing, and continues through the coating stage. Any process which modifies the chemical content, the physical size or shape, or the final finish is considered a manufacturing process. The processes include rolling, extruding, machining, bending, grinding, drilling, welding, and coating. The action of applying a coating to steel or iron is deemed a manufacturing process. Coating includes epoxy coating, galvanizing, aluminizing, painting, and any other coating that protects or enhances the value of steel or iron. Any process from the original reduction from ore to the finished product constitutes a manufacturing process for iron.

Due to a nationwide waiver, Buy America does not apply to raw materials (iron ore and alloys), scrap (recycled steel or iron), and pig iron or processed, pelletized, and reduced iron ore.

The following are considered to be steel manufacturing processes:

1. Production of steel by any of the following processes:
  - a. Open hearth furnace.
  - b. Basic oxygen.
  - c. Electric furnace.
  - d. Direct reduction.
2. Rolling, heat treating, and any other similar processing.
3. Fabrication of the products.
  - a. Spinning wire into cable or strand.
  - b. Corrugating and rolling into culverts.
  - c. Shop fabrication.

A certification of materials origin will be required for any items comprised of, or containing, steel or iron construction materials prior to such items being incorporated into the permanent work. The certification shall be on DOT Form 350-109EF provided by the Engineer, or such other form the Contractor chooses, provided it contains the same information as DOT Form 350-109EF.

### **1-06.1 Approval of Material Prior to Use**

*(April 3, 2017 WSDOT GSP)*

Section 1-06.1 is supplemented with the following:

For each proposed material that is required to be submitted for approval using either the QPL or RAM process the Contractor will be allowed to submit for approval two material sources or manufacturers per material type at no cost. Additional material sources or manufacturers may be submitted for approval and will be processed at a cost of \$125.00 per material source or manufacturer submitted by QPL submittal and \$400.00 per material submitted by RAM. All costs for processing additional material sources or manufacturers will be deducted from monies due or that may come due to the Contractor. Subject to a request by the Contractor and a determination by the Engineer the costs for processing may be waived.



## **1-06.6 Recycled Materials**

*(January 4, 2016 APWA GSP)*

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.

## **1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

### **1-07.1 Laws to be Observed**

*(October 1, 2005 APWA GSP)*

*Supplement this section 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, for all 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.



*Section 1-07.1 is supplemented with the following:*

*(April 3, 2006 WSDOT GSP)*

### **Confined Space**

Confined spaces are known to exist at the following locations:

\*\*\*

Existing storm drainage, sanitary sewer, and other utility systems, vaults, and structures, along with all new similar new construction items that meet the requirements of WAC 296-809-100.

\*\*\*

The Contractor shall be fully responsible for the safety and health of all on-site workers and compliant with Washington Administrative Code (WAC 296-809).

The Contractor shall prepare and implement a confined space program for each of the confined spaces identified above. The Contractor's Confined Space program shall be sent to the Contracting Agency at least 30 days prior to the Contractor beginning work in or adjacent to the confined space. No work shall be performed in or adjacent to the confined space until the plan is submitted to the Engineer as required. The Contractor shall communicate with the Project Engineer to ensure a coordinated effort for providing and maintaining a safe worksite for both the Contracting Agency's and Contractor's workers when working in or near a confined space.

All costs to prepare and implement the confined space program shall be included in the bid prices for the various items associated with the confined space work.

### **1-07.1(2) Health and Safety**

*(September 27, 2021 WSDOT GSP)*

*Section 1-07.1(2) is supplemented with the following:*

#### **Governor's Proclamation 20-05/21-14**

The Contractor, by submitting its Bid, agrees that it will comply with Governor's Proclamations 20-05 as amended and 21-14 as amended, regarding COVID-19 Vaccination Requirements, and that it will require its workers, service providers, subcontractors, suppliers, and their workers to comply as well. Furthermore, prior to starting Work, the Contractor shall provide a Vaccine Declaration form (WSDOT Form #271-050).

The Proclamations are available at: [https://www.governor.wa.gov/office11\\_governor/official-actions/proclamations](https://www.governor.wa.gov/office11_governor/official-actions/proclamations)

All costs related to the Governor's Proclamations shall be considered included with or incidental to other Bid items.



## **1-07.2 State Sales Tax**

*Delete this section, including its sub-sections, in its entirety and replace it with the following:*

### **1-07.2 State Sales Tax**

*(June 27, 2011 APWA GSP)*

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).

### **1-07.7 Load Limits**

Section 1-07.7 is supplemented with the following:  
(March 13, 1995 WSDOT GSP)

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.

### **1-07.9 Wages**

#### **1-07.9(1) General**

Section 1-07.9(1) is supplemented with the following:  
(January 10, 2022 WSDOT GSP Option 1)

The Federal wage rates incorporated in this contract have been established by the Secretary of Labor under United States Department of Labor General Decision No. WA20220001. The State rates incorporated in this contract are applicable to all construction activities associated with this contract.

#### **1-07.9(5) Required Documents**

(January 3, 2020 APWA GSP)

Delete this section and replace it with the following:

#### **General**

All "Statements of Intent to Pay Prevailing Wages", "Affidavits of Wages Paid" and Certified Payrolls, including a signed Statement of Compliance for Federal-aid projects, shall be submitted to the Engineer and the State L&I online Prevailing Wage Intent & Affidavit (PWIA) system.

#### **Intents and Affidavits**

On forms provided by the Industrial Statistician of State L&I, the Contractor shall submit to the



Engineer the following for themselves and for each firm covered under RCW 39.12 that will or has provided Work and materials for the Contract:

1. The approved "Statement of Intent to Pay Prevailing Wages" State L&I's form number F700-029-000. The Contracting Agency will make no payment under this Contract until this statement has been approved by State L&I and reviewed by the Engineer.
2. The approved "Affidavit of Prevailing Wages Paid", State L&I's form number F700-007-000. The Contracting Agency will not grant Completion until all approved Affidavit of Wages paid for the Contractor and all Subcontractors have been received by the Engineer. The Contracting Agency will not release to the Contractor any funds retained under RCW 60.28.011 until "Affidavit of Prevailing Wages Paid" forms have been approved by State L&I and all of the approved forms have been submitted to the Engineer for every firm that worked on the Contract.

The Contractor is responsible for requesting these forms from State L&I and for paying any fees required by State L&I.

### **Certified Payrolls**

Certified payrolls are required to be submitted by the Contractor for themselves, all Subcontractors and all lower tier subcontractors. The payrolls shall be submitted weekly on all Federal-aid projects and no less than monthly on State funded projects.

### **Penalties for Noncompliance**

The Contractor is advised, if these payrolls are not supplied within the prescribed deadlines, any or all payments may be withheld until compliance is achieved. In addition, failure to provide these payrolls may result in other sanctions as provided by State laws (RCW 39.12.050) and/or Federal regulations (29 CFR 5.12).

### **1-07.11 Requirements for Nondiscrimination**

*Section 1-07.11 is supplemented with the following:*

*(September 3, 2019 WSDOT GSP)*

#### **Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246)**

1. The Contractor's attention is called to the Equal Opportunity Clause and the Standard Federal Equal Employment Opportunity Construction Contract Specifications set forth herein.



2. The goals and timetables for minority and female participation set by the Office of Federal Contract Compliance Programs, expressed in percentage terms for the Contractor's aggregate work force in each construction craft and in each trade on all construction work in the covered area, are as follows:

Women - Statewide

<u>Timetable</u>	<u>Goal</u>
Until further notice	6.9%
<u>Minorities - by Standard Metropolitan Statistical Area (SMSA)</u>	
Spokane, WA:	
SMSA Counties:	
Spokane, WA	2.8
WA Spokane.	
Non-SMSA Counties	3.0
WA Adams; WA Asotin; WA Columbia; WA Ferry; WA Garfield; WA Lincoln; WA Pend Oreille; WA Stevens; WA Whitman.	
Richland, WA	
SMSA Counties:	
Richland Kennewick, WA	5.4
WA Benton; WA Franklin.	
Non-SMSA Counties	3.6
WA Walla Walla.	
Yakima, WA:	
SMSA Counties:	
Yakima, WA	9.7
WA Yakima.	
Non-SMSA Counties	7.2
WA Chelan; WA Douglas; WA Grant; WA Kittitas; WA Okanogan.	
Seattle, WA:	
SMSA Counties:	
Seattle Everett, WA	7.2
WA King; WA Snohomish.	
Tacoma, WA	6.2
WA Pierce.	
Non-SMSA Counties	6.1
WA Clallam; WA Grays Harbor; WA Island; WA Jefferson; WA Kitsap; WA Lewis; WA Mason; WA Pacific; WA San Juan; WA Skagit; WA Thurston; WA Whatcom.	



Portland, OR:	
SMSA Counties:	
Portland, OR-WA	4.5
WA Clark.	
Non-SMSA Counties	3.8
WA Cowlitz; WA Klickitat; WA Skamania; WA Wahkiakum.	

These goals are applicable to each nonexempt Contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a Federal, or federally assisted project, contract, or subcontract until further notice. Compliance with these goals and time tables is enforced by the Office of Federal Contract compliance Programs.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, in each construction craft and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goal shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of \$10,000 or more that are Federally funded, at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the Subcontractor; employer identification number of the Subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed. The notification shall be sent to:

U.S. Department of Labor  
Office of Federal Contract Compliance Programs Pacific Region  
Attn: Regional Director  
San Francisco Federal Building  
90 – 7<sup>th</sup> Street, Suite 18-300  
San Francisco, CA 94103(415) 625-7800 Phone  
(415) 625-7799 Fax

4. As used in this Notice, and in the contract resulting from this solicitation, the Covered Area is as designated herein.

Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246)

1. As used in these specifications:



- a. Covered Area means the geographical area described in the solicitation from which this contract resulted;
  - b. Director means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
  - c. Employer Identification Number means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form 941;
  - d. Minority includes:
    - (1) Black, a person having origins in any of the Black Racial Groups of Africa.
    - (2) Hispanic, a fluent Spanish speaking, Spanish surnamed person of Mexican, Puerto Rican, Cuban, Central American, South American, or other Spanish origin.
    - (3) Asian or Pacific Islander, a person having origins in any of the original peoples of the Pacific rim or the Pacific Islands, the Hawaiian Islands and Samoa.
    - (4) American Indian or Alaskan Native, a person having origins in any of the original peoples of North America, and who maintain cultural identification through tribal affiliation or community recognition.
2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
  3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith effort to achieve the Plan goals and timetables.
  4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of this Special Provision. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction contractors performing construction work in



geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its action. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
  - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
  - b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
  - c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
  - d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.



- e. Develop on-the-job training opportunity and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the U.S. Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
- f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
- i. Direct its recruitment efforts, both oral and written to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
- j. Encourage present minority and female employees to recruit other minority persons and women and where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.
- k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
- l. Conduct, at least annually, an inventory and evaluation of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.



- m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
  - n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
  - o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
  - p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of the obligations under 7a through 7p of this Special Provision provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensure that the concrete benefits of the program are reflected in the Contractor's minority and female work-force participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrate the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.
  9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).
  10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
  11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
  12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspensions, terminations and cancellations of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations by the Office of



Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of this Special Provision, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the government and to keep records. Records shall at least include, for each employee, their name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, the Contractors will not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).
16. Additional assistance for Federal Construction Contractors on contracts administered by Washington State Department of Transportation or by Local Agencies may be found at:

Washington State Dept. of Transportation  
Office of Equal Opportunity  
PO Box 47314  
310 Maple Park Ave. SE  
Olympia WA  
98504-7314  
Ph: 360-705-7090  
Fax: 360-705-6801  
<http://www.wsdot.wa.gov/equalopportunity/default.htm>

#### **1-07.11 Requirements for Nondiscrimination**

*(October 1, 2020 APWA GSP, Option B)*

Supplement this section with the following:

#### ***Disadvantaged Business Enterprise Participation***

The Disadvantaged Business Enterprise (DBE) requirements of 49 CFR Part 26 and USDOT's



official interpretations (i.e., Questions & Answers) apply to this Contract. Demonstrating compliance with these Specifications is a Condition of Award (COA) of this Contract. Failure to comply with the requirements of this Specification may result in your Bid being found to be nonresponsive resulting in rejection or other sanctions as provided by Contract.

#### **DBE Abbreviations and Definitions**

**Broker** – A business firm that provides a bona fide service, such as professional, technical, consultant or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials, or supplies required for the performance of the Contract; or, persons/companies who arrange or expedite transactions.

**Certified Business Description** – Specific descriptions of work the DBE is certified to perform, as identified in the Certified Firm Directory, under the Vendor Information page.

**Certified Firm Directory** – A database of all Minority, Women, and Disadvantaged Business Enterprises currently certified by Washington State. The on-line Directory is available to Bidders for their use in identifying and soliciting interest from DBE firms. The database is located under the Firm Certification section of the Diversity Management and Compliance System web page at: <https://omwbe.diversitycompliance.com>.

**Commercially Useful Function (CUF)** – 49 CFR 26.55(c)(1) defines commercially useful function as: *“A DBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the DBE must also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself. To determine whether a DBE is performing a commercially useful function, you must evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing and the DBE credit claimed for its performance of the work, and other relevant factors.”*

**Disadvantaged Business Enterprise (DBE)** – A business firm certified by the Washington State Office of Minority and Women’s Business Enterprises, as meeting the criteria outlined in 49 CFR 26 regarding DBE certification.

**Force Account Work** – Work measured and paid in accordance with Section 1-09.6.

**Good Faith Efforts** – Efforts to achieve the DBE COA Goal or other requirements of this part which, by their scope, intensity, and appropriateness to the objective, can reasonably be expected to fulfill the program requirement.

**Manufacturer (DBE)** – A DBE firm that operates or maintains a factory or establishment that produces on the premises the materials, supplies, articles, or equipment required under the Contract. A DBE Manufacturer shall produce finished



goods or products from raw or unfinished material or purchase and substantially alters goods and materials to make them suitable for construction use before reselling them.

**Reasonable Fee (DBE)** – For purposes of Brokers or service providers a reasonable fee shall not exceed 5% of the total cost of the goods or services brokered.

**Regular Dealer (DBE)** – A DBE firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of a Contract are bought, kept in stock, and regularly sold to the public in the usual course of business. To be a Regular Dealer, the DBE firm must be an established regular business that engages in as its principal business and in its own name the purchase and sale of the products in question. A Regular Dealer in such items as steel, cement, gravel, stone, and petroleum products need not own, operate or maintain a place of business if it both owns and operates distribution equipment for the products. Any supplementing of regular dealers' own distribution equipment shall be by long-term formal lease agreements and not on an ad-hoc basis. Brokers, packagers, manufacturers' representatives, or other persons who arrange or expedite transactions shall not be regarded as Regular Dealers within the meaning of this definition.

**DBE Commitment** – The scope of work and dollar amount the Bidder indicates they will be subcontracting to be applied towards the DBE Condition of Award Goal as shown on the DBE Utilization Certification Form for each DBE Subcontractor. This DBE Commitment amount will be incorporated into the Contract and shall be considered a Contract requirement. The Contractor shall utilize the COA DBEs to perform the work and supply the materials for which they are committed. Any changes to the DBE Commitment require the Engineer's prior written approval.

**DBE Condition of Award (COA) Goal** – An assigned numerical amount specified as a percentage of the Contract. Initially, this is the minimum amount that the Bidder must commit to by submission of the Utilization Certification Form and/or by Good Faith Effort (GFE).

#### **DBE COA Goal**

The Contracting Agency has established a DBE COA Goal for this Contract in the amount of: \*\*\* 21% \*\*\*

#### **Crediting DBE Participation**

Subcontractors proposed as COA must be certified prior to the due date for bids on the Contract. All non-COA DBE Subcontractors shall be certified before the subcontract on which they are participating is executed.

DBE participation is only credited upon payment to the DBE.

The following are some definitions of what may be counted as DBE participation.



**DBE Prime Contractor**

Only take credit for that portion of the total dollar value of the Contract equal to the distinct, clearly defined portion of the Work that the DBE Prime Contractor performs with its own forces and is certified to perform.

**DBE Subcontractor**

Only take credit for that portion of the total dollar value of the subcontract that is equal to the distinct, clearly defined portion of the Work that the DBE performs with its own forces and is certified to perform. The value of work performed by the DBE includes the cost of supplies and materials purchased by the DBE and equipment leased by the DBE, for its work on the contract. Supplies, materials or equipment obtained by a DBE that are not utilized or incorporated in the contract work by the DBE will not be eligible for DBE credit.

The supplies, materials, and equipment purchased or leased from the Contractor or its affiliate, including any Contractor's resources available to DBE subcontractors at no cost, shall not be credited.

DBE credit will not be given in instances where the equipment lease includes the operator. The DBE is expected to operate the equipment used in the performance of its work under the contract with its own forces. Situations where equipment is leased and used by the DBE, but payment is deducted from the Contractor's payment to the DBE is not allowed.

When the subcontractor is part of a DBE Commitment, the following apply:

1. If a DBE subcontracts a portion of the Work of its contract to another firm, the value of the subcontracted Work may be counted toward the DBE COA Goal only if the Lower-Tier Subcontractor is also a DBE.
2. Work subcontracted to a Lower-Tier Subcontractor that is a DBE, may be counted toward the DBE COA Goal.
3. Work subcontracted to a non-DBE does not count towards the DBE COA Goal.

**DBE Subcontract and Lower Tier Subcontract Documents**

There must be a subcontract agreement that complies with 49 CFR Part 26 and fully describes the distinct elements of Work committed to be performed by the DBE.

**DBE Service Provider**

The value of fees or commissions charged by a DBE firm behaving in a manner of a Broker, or another service provider for providing a bona fide service, such as professional, technical, consultant, managerial services, or for providing bonds or insurance specifically required for the performance of the contract will only be credited as DBE participation, if the fee/commission is determined by the Contracting Agency to be reasonable and the firm has performed a CUF.

**Force Account Work**

When the Bidder elects to utilize force account Work to meet the DBE COA Goal, as demonstrated by listing this force account Work on the DBE Utilization



Certification Form, for the purposes of meeting the DBE COA Goal, only 50% of the Proposal amount shall be credited toward the Bidder's Commitment to meet the DBE COA Goal.

One hundred percent of the actual amounts paid to the DBE for the force account Work shall be credited towards the DBE COA Goal or DBE participation.

### **Temporary Traffic Control**

If the DBE firm only provides "Flagging", the DBE firm must provide a Traffic Control Supervisor (TCS) and flagger, which are under the direct control of the DBE. The DBE firm shall also provide all flagging equipment for its employees (e.g. paddles, hard hats, and vests).

If the DBE firm provides "Traffic Control Services", the DBE firm must provide a TCS, flaggers, and traffic control items (e.g., cones, barrels, signs, etc.) and be in total control of all items in implementing the traffic control for the project.

### **Trucking**

DBE trucking firm participation may only be credited as DBE participation for the value of the hauling services, not for the materials being hauled unless the trucking firm is also certified as a supplier of those materials. In situations where the DBE's work is priced per ton, the value of the hauling service must be calculated separately from the value of the materials in order to determine DBE credit for hauling.

The DBE trucking firm must own and operate at least one licensed, insured and operational truck on the contract. The truck must be of the type that is necessary to perform the hauling duties required under the contract. The DBE receives credit for the value of the transportation services it provides on the Contract using trucks it owns or leases, licenses, insures, and operates with drivers it employs.

The DBE may lease additional trucks from another DBE firm. The DBE who leases additional trucks from another DBE firm receives credit for the value of the transportation services the lessee DBE provides on the Contract.

The trucking Work subcontracted to any non-DBE trucking firm will not receive credit for Work done on the project.

The DBE may lease trucks from a truck leasing company (recognized truck rental center), but can only receive credit towards DBE participation if the DBE uses its own employees as drivers.

### **DBE Manufacturer and DBE Regular Dealer**

One hundred percent (100%) of the cost of the manufactured product obtained from a DBE manufacturer may count towards the DBE COA Goal.

Sixty percent (60%) of the cost of materials or supplies purchased from a DBE Regular Dealer may be credited towards the DBE Goal. If the role of the DBE Regular Dealer is determined to be that of a Broker, then DBE credit shall be limited to the fee or commission it receives for its services. Regular Dealer status and the amount of credit is determined on a Contract-by-Contract basis.



DBE firms proposed to be used as a Regular Dealer must be approved before being listed as a COA/used on a project. The WSDOT Approved Regular Dealer list published on WSDOT's Office of Equal Opportunity (OEO) web site must include the specific project for which approval is being requested. For purposes of the DBE COA Goal participation, the Regular Dealer must submit the Regular Dealer Status Request form a minimum of five calendar days prior to bid opening.

Purchase of materials or supplies from a DBE which is neither a manufacturer nor a regular dealer, (i.e. Broker) only the fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on the job site, may count towards the DBE COA Goal provided the fees are not excessive as compared with fees customarily allowed for similar services. Documentation will be required to support the fee/commission charged by the DBE. The cost of the materials and supplies themselves cannot be counted toward the DBE COA Goal.

Note: Requests to be listed as a Regular Dealer will only be processed if the requesting firm is a material supplier certified by the Office of Minority and Women's Business Enterprises in a NAICS code that falls within the 42XXXX NAICS Wholesale code section.

#### **Disadvantaged Business Enterprise Utilization**

To be eligible for award of the Contract, the Bidder shall properly complete and submit a Disadvantaged Business Enterprise (DBE) Utilization Certification with the Bidder's sealed Bid Proposal, as specified in Section 1-02.9 Delivery of Proposal. The Bidder's DBE Utilization Certification must clearly demonstrate how the Bidder intends to meet the DBE COA Goal. A DBE Utilization Certification (WSDOT Form 272-056) is included in the Proposal package for this purpose as well as instructions on how to properly fill out the form.

The Bidder is advised that the items listed below when listed in the Utilization Certification must have their amounts reduced to the percentages shown and those reduced amounts will be the amount applied towards meeting the DBE COA Goal.

- Force account at 50%
- Regular dealer at 60%

In the event of arithmetic errors in completing the DBE Utilization Certification, the amount listed to be applied towards the DBE COA Goal for each DBE shall govern and the DBE total amount shall be adjusted accordingly.

Note: The Contracting Agency shall consider as non-responsive and shall reject any Bid Proposal submitted that does not contain a DBE Utilization Certification Form that accurately demonstrates how the Bidder intends to meet the DBE COA Goal.

#### **Disadvantaged Business Enterprise Written Confirmation Document(s)**

The Bidder shall submit an Disadvantaged Business Enterprise (DBE) Written Confirmation Document (completed and signed by the DBE) for each DBE firm listed in the Bidder's completed DBE Utilization Certification submitted with the Bid. Failure to do



so will result in the associated participation being disallowed, which may cause the Bid to be determined to be nonresponsive resulting in Bid rejection.

The Confirmation Documents provide confirmation from the DBEs that they are participating in the Contract as provided in the Bidder's Commitment. The Confirmation Documents must be consistent with the Utilization Certification.

A DBE Written Confirmation Document (WSDOT Form 422-031) is included in the Proposal package for this purpose.

The form(s) shall be received as specified in the special provisions for Section 1-02.9 Delivery of Proposal.

It is prohibited for the Bidder to require a DBE to submit a Written Confirmation Document with any part of the form left blank. Should the Contracting Agency determine that an incomplete Written Confirmation Document was signed by a DBE, the validity of the document comes into question. The associated DBE participation may not receive credit.

#### **Selection of Successful Bidder/Good Faith Efforts (GFE)**

The successful Bidder shall be selected on the basis of having submitted the lowest responsive Bid, which demonstrates a good faith effort to achieve the DBE COA Goal. The Contracting Agency, at any time during the selection process, may request a breakdown of the bid items and amounts that are counted towards the overall contract goal for any of the DBEs listed on the DBE Utilization Certification.

Achieving the DBE COA Goal may be accomplished in one of two ways:

1. By meeting the DBE COA Goal  
Submission of the DBE Utilization Certification, supporting DBE Written Confirmation Document(s) showing the Bidder has obtained enough DBE participation to meet or exceed the DBE COA Goal, the DBE Bid Item Breakdown and the DBE Trucking Credit Form, if applicable.
2. By documentation that the Bidder made adequate GFE to meet the DBE COA Goal  
The Bidder may demonstrate a GFE in whole or part through GFE documentation ONLY IN THE EVENT a Bidder's efforts to solicit sufficient DBE participation have been unsuccessful. The Bidder must supply GFE documentation in addition to the DBE Utilization Certification, supporting DBE Written Confirmation Document(s), the DBE Bid Item Breakdown form and the DBE Trucking Credit Form, if applicable.

Note: In the case where a Bidder is awarded the contract based on demonstrating adequate GFE, the advertised DBE COA Goal will not be reduced. The Bidder shall demonstrate a GFE during the life of the Contract to attain the advertised DBE COA Goal.



GFE documentation, the DBE Bid Item Breakdown form, and the DBE Trucking Credit Form, if applicable, shall be submitted as specified in Section 1-02.9.

The Contracting Agency will review the GFE documentation and will determine if the Bidder made an adequate good faith effort.

### **Good Faith Effort (GFE) Documentation**

GFE is evaluated when:

1. Determining award of a Contract that has COA goal,
2. When a COA DBE is terminated and substitution is required, and
3. Prior to Physical Completion when determining whether the Contractor has satisfied its DBE commitments.

49 CFR Part 26, Appendix A is intended as general guidance and does not, in itself, demonstrate adequate good faith efforts. The following is a list of types of actions, which would be considered as part of the Bidder's GFE to achieve DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.

1. Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBEs who have the capability to perform the Work of the Contract. The Bidder must solicit this interest within sufficient time to allow the DBEs to respond to the solicitation. The Bidder must determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.
2. Selecting portions of the Work to be performed by DBEs in order to increase the likelihood that the DBE COA Goal will be achieved. This includes, where appropriate, breaking out contract Work items into economically feasible units to facilitate DBE participation, even when the Bidder might otherwise prefer to perform these Work items with its own forces.
3. Providing interested DBEs with adequate information about the Plans, Specifications, and requirements of the Contract in a timely manner to assist them in responding to a solicitation.
  - a. Negotiating in good faith with interested DBEs. It is the Bidder's responsibility to make a portion of the Work available to DBE subcontractors and suppliers and to select those portions of the Work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the Plans and Specifications for the Work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBEs to perform the Work.
  - b. A Bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as the DBE COA



Goal into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a Bidder's failure to meet the DBE COA Goal, as long as such costs are reasonable. Also, the ability or desire of a Bidder to perform the Work of a Contract with its own organization does not relieve the Bidder of the responsibility to make Good Faith Efforts. Bidders are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.

4. Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The Bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the Bidder's efforts to meet the DBE COA Goal.
5. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or Bidder.
6. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.
7. Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, State, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.
8. Documentation of GFE must include copies of each DBE and non-DBE subcontractor quotes submitted to the Bidder when a non-DBE subcontractor is selected over a DBE for Work on the Contract. (ref. updated DBE regulations – 26.53(b)(2)(vi) & App. A)

#### **Administrative Reconsideration of GFE Documentation**

A Bidder has the right to request reconsideration if the GFE documentation submitted with their Bid was determined to be inadequate.

- The Bidder must request within 48 hours of notification of being nonresponsive or forfeit the right to reconsideration.
- The reconsideration decision on the adequacy of the Bidder's GFE documentation shall be made by an official who did not take part in the original determination.
- Only original GFE documentation submitted as a supplement to the Bid shall be considered. The Bidder shall not introduce new documentation at the reconsideration hearing.
- The Bidder shall have the opportunity to meet in person with the official for the purpose of setting forth the Bidder's position as to why the GFE documentation demonstrates a sufficient effort.



- The reconsideration official shall provide the Bidder with a written decision on reconsideration within five working days of the hearing explaining the basis for their finding.

#### **DBE Bid Item Breakdown**

The Bidder shall submit a DBE Bid Item Breakdown Form (WSDOT Form 272-054) as specified in the Special Provisions for Section 1-02.9, Delivery of Proposal.

#### **DBE Trucking Credit Form**

The Bidder shall submit a DBE Trucking Credit Form (WSDOT Form 272-058), as specified in the Special Provisions for Section 1-02.9, Delivery of Proposal.

**Note:** The DBE Trucking Credit Form is only required for a DBE Firm listed on the DBE Utilization Certification as a subcontractor for “Trucking” or “Hauling” and are performing a part of a bid item. For example, if the item of Work is Structure Excavation including Haul, and another firm is doing the excavation and the DBE Trucking firm is doing the haul, the form is required. For a DBE subcontractor that is responsible for an entire item of work that may require some use of trucks, the form is not required.

#### **Procedures between Award and Execution**

After Award and prior to Execution, the Contractor shall provide the additional information described below. Failure to comply shall result in the forfeiture of the Bidder’s Proposal bond or deposit.

1. A list of all firms who submitted a bid or quote in attempt to participate in this project whether they were successful or not. Include the business name and mailing address.

**Note:** The firms identified by the Contractor may be contacted by the Contracting Agency to solicit general information as follows: age of the firm and average of its gross annual receipts over the past three years.

#### **Procedures after Execution**

##### **Commercially Useful Function (CUF)**

The Contractor may only take credit for the payments made for Work performed by a DBE that is determined to be performing a CUF. Payment must be commensurate with the work actually performed by the DBE. This applies to all DBEs performing Work on a project, whether or not the DBEs are COA, if the Contractor wants to receive credit for their participation. The Engineer will conduct CUF reviews to ascertain whether DBEs are performing a CUF. A DBE performs a CUF when it is carrying out its responsibilities of its contract by actually performing, managing, and supervising the Work involved. The DBE must be responsible for negotiating price; determining quality and quantity; ordering the material, installing (where applicable); and paying for the material itself. If a DBE does not perform “all” of these functions on a furnish-and-install contract, it has not performed a CUF and the cost of materials cannot be counted toward DBE COA Goal. Leasing of equipment from a leasing company is allowed. However, leasing/purchasing equipment from the Contractor is not allowed. Lease agreements shall be provided prior to the Subcontractor beginning Work. Any use of the Contractor’s equipment by a DBE may not be credited as countable participation.



The DBE does not perform a CUF if its role is limited to that of an extra participant in a transaction, contract, or project through which the funds are passed in order to obtain the appearance of DBE participation.

In order for a DBE traffic control company to be considered to be performing a CUF, the DBE must be in control of its work inclusive of supervision. The DBE shall employ a Traffic Control Supervisor who is directly involved in the management and supervision of the traffic control employees and services.

The following are some of the factors that the Engineer will use in determining whether a DBE trucking company is performing a CUF:

- The DBE shall be responsible for the management and supervision of the entire trucking operation for which it is responsible on the contract. The owner demonstrates business related knowledge, shows up on site and is determined to be actively running the business.
- The DBE itself shall own and operate at least one fully licensed, insured, and operational truck used on the Contract. The drivers of the trucks owned and leased by the DBE must be exclusively employed by the DBE and reflected on the DBE's payroll.
- Lease agreements for trucks shall indicate that the DBE has exclusive use of and control over the truck(s). This does not preclude the leased truck from working for others provided it is with the consent of the DBE and the lease provides the DBE absolute priority for use of the leased truck.
- Leased trucks shall display the name and identification number of the DBE.

#### **UDBE/DBE/FSBE Truck Unit Listing Log**

In addition to the subcontracting requirements of Section 1-08.1, each DBE trucking firm shall submit supplemental information consisting of a completed Primary UDBE/DBE/FSBE Truck Unit Listing Log (WSDOT Form 350-077), copy of vehicle registrations, and all Rental/Lease agreements (if applicable). The supplemental information shall be submitted to the Engineer prior to any trucking services being performed for DBE credit. Incomplete or incorrect supplemental information will be returned for correction. The corrected Primary UDBE/DBE/FSBE Truck Unit Listing Log and any Updated Primary UDBE/DBE/FSBE Truck Unit Listing Logs shall be submitted and accepted by the Engineer no later than ten calendar days of utilizing applicable trucks. Failure to submit or update the DBE Truck Unit Listing Log may result in trucks not being credited as DBE participation.

Each DBE trucking firm shall complete a Daily UDBE/DBE/FSBE Trucking Unit Listing Log for each day that the DBE performs trucking services for DBE credit. The Daily UDBE/DBE/FSBE Trucking Unit Listing Log forms shall be submitted to the Engineer by Friday of the week after the work was performed.



**Joint Checking**

A joint check is a check between a Subcontractor and the Contractor to the supplier of materials/supplies. The check is issued by the Contractor as payer to the Subcontractor and the material supplier jointly for items to be incorporated into the project. The DBE must release the check to the supplier, while the Contractor acts solely as the guarantor.

A joint check agreement must be approved by the Engineer and requested by the DBE involved using the DBE Joint Check Request Form (form # 272-053) prior to its use. The form must accompany the DBE Joint Check Agreement between the parties involved, including the conditions of the arrangement and expected use of the joint checks.

The approval to use joint checks and the use will be closely monitored by the Engineer. To receive DBE credit for performing a CUF with respect to obtaining materials and supplies, a DBE must "be responsible for negotiating price, determining quality and quantity, ordering the material, installing and paying for the material itself." The Contractor shall submit DBE Joint Check Request Form to the Engineer and be in receipt of written approval prior to using a joint check.

Material costs paid by the Contractor directly to the material supplier are not allowed. If proper procedures are not followed or the Engineer determines that the arrangement results in lack of independence for the DBE involved, no DBE credit will be given for the DBE's participation as it relates to the material cost.

**Prompt Payment**

Prompt payment to all subcontractors shall be in accordance with Section 1-08.1. Prompt payment requirements apply to progress payments as well as return of retainage.

**Subcontracts**

Prior to a DBE performing Work on the Contract, an executed subcontract between the DBE and the Contractor shall be submitted to the Engineer. The executed subcontracts shall be submitted by email to the following email address

\*\*\* [ORegionOEO@wsdot.wa.gov](mailto:ORegionOEO@wsdot.wa.gov) \*\*\*

The prime contractor shall notify the Engineer in writing within five calendar days of subcontract submittal.

**Reporting**

The Contractor and all subcontractors/suppliers/service providers that utilize DBEs to perform work on the project, shall maintain appropriate records that will enable the Engineer to verify DBE participation throughout the life of the project.

Refer to Section 1-08.1 for additional reporting requirements associated with this contract.

**Changes in COA Work Committed to DBE**

The Contractor shall utilize the COA DBEs to perform the work and supply the materials for which each is committed unless prior written approval by the Engineer is received by



the Contractor. The Contractor shall not be entitled to any payment for work or material completed by the Contractor or subcontractors that was committed to be completed by the COA DBEs in the DBE Utilization Certification form.

**Owner Initiated Changes**

In instances where the Engineer makes changes that result in changes to Work that was committed to a COA DBE the Contractor may be directed to substitute for the Work.

**Contractor Initiated Changes**

The Contractor cannot change the scope or reduce the amount of work committed to a COA DBE without good cause. Reducing DBE Commitment is viewed as partial DBE termination, and therefore subject to the termination procedures below.

**Original Quantity Underruns**

In the event that Work committed to a DBE firm as part of the COA underruns the original planned quantities the Contractor may be required to substitute other remaining Work to another DBE.

**Contractor Proposed DBE Substitutions**

Requests to substitute a COA DBE must be for good cause (see DBE termination process below), and requires prior written approval of the Engineer. After receiving a termination with good cause approval, the Contractor may only replace a DBE with another certified DBE. When any changes between Contract Award and Execution result in a substitution of COA DBE, the substitute DBE shall have been certified prior to the bid opening on the Contract.

**DBE Termination**

Termination of a COA DBE (or an approved substitute DBE) is only allowed in whole or in part for good cause and with prior written approval of the Engineer. If the Contractor terminates a COA DBE without the prior written approval of the Engineer, the Contractor shall not be entitled to payment for work or material committed to, but not performed/supplied by the COA DBE. In addition, sanctions may apply as described elsewhere in this specification.

Prior to requesting approval to terminate a COA DBE, the Contractor shall give notice in writing to the DBE with a copy to the Engineer of its intent to request to terminate DBE Work and the reasons for doing so. The DBE shall have five (5) days to respond to the Contractor's notice. The DBE's response shall either support the termination or advise the Engineer and the Contractor of the reasons it objects to the termination of its subcontract.

If the request for termination is approved, the Contractor is required to substitute with another DBE to perform at least the same amount of work as the DBE that was terminated (or provide documentation of GFE). A plan to replace the COA DBE Commitment amount shall be submitted to the Engineer within 2 days of the approval of termination. The plan to replace the Commitment shall provide the same detail as that required in the DBE Utilization Certification.

The Contractor must have good cause to terminate a COA DBE.



Good cause typically includes situations where the DBE Subcontractor is unable or unwilling to perform the work of its subcontract. Good cause may exist if:

- The DBE fails or refuses to execute a written contract.
- The DBE fails or refuses to perform the Work of its subcontract in a way consistent with normal industry standards.
- The DBE fails or refuses to meet the Contractor's reasonable nondiscriminatory bond requirements.
- The DBE becomes bankrupt, insolvent, or exhibits credit unworthiness.
- The DBE is ineligible to work on public works projects because of suspension and debarment proceedings pursuant to federal law or applicable State law.
- The DBE is ineligible to receive DBE credit for the type of work involved.
- The DBE voluntarily withdraws from the project and provides written notice of its withdrawal.
- The DBE's work is deemed unsatisfactory by the Engineer and not in compliance with the Contract.
- The DBE's owner dies or becomes disabled with the result that the DBE is unable to complete its Work on the Contract.

Good cause does not exist if:

- The Contractor seeks to terminate a COA DBE so that the Contractor can self-perform the Work.
- The Contractor seeks to terminate a COA DBE so the Contractor can substitute another DBE contractor or non-DBE contractor after Contract Award.
- The failure or refusal of the COA DBE to perform its Work on the subcontract results from the bad faith or discriminatory action of the Contractor (e.g., the failure of the Contractor to make timely payments or the unnecessary placing of obstacles in the path of the DBE's Work).

### **Decertification**

When a DBE is "decertified" from the DBE program during the course of the Contract, the participation of that DBE shall continue to count as DBE participation as long as the subcontract with the DBE was executed prior to the decertification notice. The Contractor is obligated to substitute when a DBE does not have an executed subcontract agreement at the time of decertification.



## **Consequences of Non-Compliance**

### **Breach of Contract**

Each contract with a Contractor (and each subcontract the Contractor signs with a Subcontractor) must include the following assurance clause:

The Contractor, subrecipient, or Subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or
- (4) Disqualifying the Contractor from future bidding as non-responsible.

### **Notice**

If the Contractor or any Subcontractor, Consultant, Regular Dealer, or service provider is deemed to be in non-compliance, the Contractor will be informed in writing, by certified mail by the Engineer that sanctions will be imposed for failure to meet the DBE COA Commitment and/or submit documentation of good faith efforts. The notice will state the specific sanctions to be imposed which may include impacting a Contractor or other entity's ability to participate in future contracts.

### **Sanctions**

If it is determined that the Contractor's failure to meet all or part of the DBE COA Commitment is due to the Contractor's inadequate good faith efforts throughout the life of the Contract, including failure to submit timely, required Good Faith Efforts information and documentation, the Contractor may be required to pay DBE penalty equal to the amount of the unmet Commitment, in addition to the sanctions outlined in Section 1-07.11(5).

### **Payment**

Compensation for all costs involved with complying with the conditions of this Specification and any other associated DBE requirements is included in payment for the associated Contract items of Work, except otherwise provided in the Specifications.

*Section 1-07.11 is supplemented with the following:*

*(January 13, 2021 WSDOT GSP)*

## **Special Training Provisions**

### **General Requirements**

The Contractor's equal employment opportunity, affirmative action program shall include the requirements set forth below. The Contractor shall provide on-the-job training aimed at developing trainees to journey-level status in the trades involved. The number of training hours shall be \*\*\* 800 \*\*\*. Trainees shall not be assigned less than 400 hours



per individual per Contract. The Contractor may elect to accomplish training as part of the work of a subcontractor, however, the Prime Contractor shall retain the responsibility for complying with these Special Provisions (achieving the training goal). When the Contractor's training plan includes trainees for Subcontractors or lower-tier Subcontractors, this special provision shall be included in the subcontract.

### **Trainee Approval**

The Contractor shall make every effort to employ/enroll minority and women trainees to the extent such persons are available within a reasonable recruitment area. This training provision is not intended and shall not be used to discriminate against any applicant for training, whether that person is a minority, woman or otherwise. A non-minority male trainee or apprentice may be approved provided the following requirements are met:

1. The Contractor is otherwise in compliance with the contract's Equal Employment Opportunity (EEO) and On-the-Job Training (OJT) requirements and provides documentation of the efforts taken to fill the specific training position with either minorities or females
2. or, if not otherwise in compliance, furnishes evidence of his/her systematic and direct recruitment efforts in regard to the position in question and in promoting the enrollment and/or employment of minorities and females in the craft which the proposed trainee is to be trained
3. and the Contractor has made a good faith effort towards recruiting of minorities and women. As a minimum good faith efforts shall consist of the following:
  - a. Distribution of written notices of available employment opportunities with the Contractor and enrollment opportunities with its unions. Distribution should include but not be limited to; minority and female recruitment sources, WSDOT's OJT Support Services Coordinator, and minority and female community organizations.
  - b. Records documenting the Contractor's efforts and the outcome of those efforts, to employ minority and female applicants and/or refer them to unions.
  - c. Records reflecting the Contractor's efforts in participating in developing minority and female on-the-job training opportunities, including upgrading programs and apprenticeship opportunities.
  - d. Distribution of written notices to unions and training programs disseminating the Contractor's EEO policy and requesting cooperation in achieving EEO and OJT obligations (and their written responses). For assistance in locating trainee candidates, the Contractor may call WSDOT's OJT Support Services Coordinator at (360) 704-6314 or email [ojtssinfo@wsdot.wa.gov](mailto:ojtssinfo@wsdot.wa.gov).

No employee shall be employed as a trainee in any classification in which the employee has successfully completed a training course leading to journey-level worker status or in which the employee has been employed as a journey-level worker. The Contractor's records shall document the methods for determining the trainee's status and findings in



each case. When feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training.

For the purpose of this specification, acceptable training programs are those employing trainees/apprentices registered with the following:

1. Washington State Department of Labor & Industries — State Apprenticeship Training Council (SATC) approved apprenticeship agreement:
  - a. Pursuant to RCW 49.04.060, an apprenticeship agreement shall be;
    - i. an individual written agreement between an employer and apprentice
    - ii. a written agreement between (an employer or an association of employers) and an organization of employees describing conditions of employment for apprentices
    - iii. a written statement describing conditions of employment for apprentices in a plant where there is no bona fide employee organization.

All such agreements shall conform to the basic standards and other provisions of RCW Chapter 49.04.

2. Apprentices must be registered with U.S. Department of Labor — Apprenticeship Training, Employer, and Labor Services (ATELS) approved program.

Or

3. Non-ATELS/SATC programs that have been submitted to the Contracting Agency for approval by the FHWA for the specific project.

#### **Obligation to Provide Information**

Upon starting a new trainee, the Contractor shall furnish the trainee a copy of the approved program the Contractor will follow in providing the training. Upon completion of the training, the Contractor shall provide the Contracting Agency with a certification showing the type and length of training satisfactorily completed by each trainee.

#### **Training Program Approval**

The Training Program shall meet the following requirements:

1. The Training Program (DOT Form 272-049) must be submitted to the Engineer for approval **prior to commencing contract work** and shall be resubmitted when modifications to the program occur.
2. The minimum length and type of training for each classification will be as established in the training program as approved by the Contracting Agency.



3. The Training Program shall contain the trades proposed for training, the number of trainees, the hours assigned to the trade and the estimated beginning work date for each trainee.
4. Unless otherwise specified, Training Programs will be approved if the proposed number of training hours equals the training hours required by contract and the trainees are not assigned less than 400 hours each.
5. After approval of the training program, information concerning each individual trainee and good faith effort documentation shall be submitted on (DOT Form 272-050.)
6. In King County, laborer trainees or apprentices will not be approved on contracts containing less than 2000 training hours as specified in this Section. In King County, no more than twenty percent (20%) of hours proposed for trainees or apprentices shall be in the laborer classification when the contract contains 2000 or more hours of training as specified in this Section. Trainees shall not be assigned less than 400 hours per contract.
7. Flagging programs will not be approved. Other programs that include flagging training will only be approved if the flagging portion is limited to an orientation of not more than 20 hours.
8. It is the intention of these provisions that training is to be provided in the construction crafts rather than clerk-typists or secretarial-type positions. Training is permissible in lower level management positions such as office engineers, estimators, timekeepers, etc., where the training is oriented toward construction applications. Some off-site training is permissible as long as the training is an integral part of an approved training program.
9. It is normally expected that a trainee will begin training on the project as soon as feasible after start of work, utilizing the skill involved and remain on the project as long as training opportunities exist in the work classification or the trainee reaches journey-level status. It is not required that all trainees be on board for the entire length of the contract. The number trained shall be determined on the basis of the total number enrolled on the contract for a significant period.
10. Wage Progressions: Trainees will be paid at least the applicable ratios or wage progressions shown in the apprenticeship standards published by the Washington State Department of Labor and Industries. In the event that no training program has been established by the Department of Labor and Industries, the trainee shall be paid in accordance with the provisions of RCW 39.12.021, which reads as follows:

Apprentice workers employed upon public works projects for whom an apprenticeship agreement has been registered and approved with the State Apprenticeship Council pursuant to RCW 49.04, must be paid at least the prevailing hourly rate for an apprentice of that trade. Any worker for whom an apprenticeship agreement has not been registered and approved by the State Apprenticeship Council shall be considered to be a fully qualified journey-level worker, and, therefore, shall be paid at the prevailing hourly rate for journey-level worker.



## **Compliance**

In the event that the Contractor is unable to accomplish the required training hours but can demonstrate a good faith effort to meet the requirements as specified, then the Contracting Agency will adjust the training goals accordingly.

## **Noncompliance and Sanctions**

When a contractor violates EEO provisions of the contract, the Contracting Agency may impose damages in accordance with WSDOT's Equal Opportunity Compliance Program and the FHWA 1273. These damages consist of additional administrative costs including, but not limited to, the inspection, supervision, engineering, compliance, and legal staff time and expenses necessary for investigating, reporting, and correcting violations, as well as loss of federal funding, if any. Damages attributable to a contractor's violations of the EEO provisions may be deducted from progress payments due the Contractor. Before any money is withheld, the Contractor will be provided with a notice of the basis of the violations, the amount to be withheld and provided an opportunity to respond. The monetary value of the sanction will be calculated on a case-by-case basis and based on the damages incurred by the Contracting Agency.

The Contracting Agency's decision to recover damages for an EEO violation does not limit its ability to suspend or revoke the contractor's pre-qualification status or seek other remedies as allowed by federal or state law. In appropriate circumstances, the Contracting Agency may also refer the Contractor to other state or federal authorities for additional sanctions.

## **Requirements for Non ATELS/SATC Approved Training Programs**

Contractors who are not affiliated with a program approved by ATELS or SATC may have their training program approved (by FHWA) provided that the program is submitted for approval on DOT Form 272-049, and the following standards are addressed and incorporated in the Contractor's program:

1. The program establishes minimum qualifications for persons entering the training program.
2. The program shall outline the work processes in which the trainee will receive supervised work experience and training on-the-job and the allocation of the approximate time to be spent in each major process. The program shall include the method for recording and reporting the training completed shall be stated.
3. The program shall include a numeric ratio of trainees to journey-level worker consistent with proper supervision, training, safety, and continuity of employment. The ratio language shall be specific and clear as to application in terms of job site and workforce during normal operations (normally considered to fall between 1:10 and 1:4).
4. The terms of training shall be stated in hours. The number of hours required for completion to journey-level worker status shall be comparable to the apprenticeship hours established for that craft by the SATC. The following are examples of programs that are currently approved:

CRAFT	HOURS
Laborer	4,000
Ironworker	6,000



Carpenter	5,200-8,000
Construction Electrician	8,000
Operating Engineer	6,000-8,000
Cement Mason	5,400
Teamster	2,100

5. The method to be used for recording and reporting the training completed shall be stated.

### **Measurement**

The Contractor may request that the total number of “training” hours for the contract be increased subject to approval by the Contracting Agency. This reimbursement will be made even though the Contractor receives additional training program funds from other sources, provided such other sources do not prohibit other reimbursement. Reimbursement to the Contractor for off-site training as indicated previously may only be made when the Contractor does one or more of the following and the trainees are concurrently employed on a Federal-aid project:

1. contributes to the cost of the training,
2. provides the instruction to the trainee,
3. pays the trainee’s wages during the off- site training period.

Reimbursement will be made upon receipt of a certified invoice that shows the related payroll number, the name of trainee, total hours trained under the program, previously paid hours under the contract, hours due this estimate, and dollar amount due this estimate. The certified invoice shall show a statement indicating the Contractor’s effort to enroll minorities and women when a new enrollment occurs. If a trainee is participating in a SATC/ATELS approved apprenticeship program, a copy of the certificate showing apprenticeship registration must accompany the first invoice on which the individual appears. Reimbursement for training occurring prior to approval of the training program will be allowed if the Contractor verbally notifies the Engineer of this occurrence at the time the apprentice/trainee commences work. A trainee/apprentice, regardless of craft, must have worked on the contract for at least 20 hours to be eligible for reimbursement.

Training hours that are not in compliance with the approved training plan will not be measured.

### **Payment**

The Contractor will be reimbursed under the item “Training” per hour for each hour of approved training provided under the Contract.

## **1-07.12 Federal Agency Inspection**

*Section 1-07.12 is supplemented with the following:*

*(January 25, 2016 WSDOT GSP)*

Required Federal Aid Provisions The Required Contract Provisions Federal Aid Construction Contracts (FHWA 1273) Revised May 1, 2012 and the amendments thereto supersede any conflicting provisions of the Standard Specifications and are made a part of this Contract; provided, however, that if any of the provisions of FHWA 1273, as amended, are less restrictive than Washington State Law, then the Washington State Law shall prevail.



The provisions of FHWA 1273, as amended, included in this Contract require that the Contractor insert the FHWA 1273 and amendments thereto in each Subcontract, together with the wage rates which are part of the FHWA 1273, as amended. Also, a clause shall be included in each Subcontract requiring the Subcontractors to insert the FHWA 1273 and amendments thereto in any lower tier Subcontracts, together with the wage rates. The Contractor shall also ensure that this section, REQUIRED FEDERAL AID PROVISIONS, is inserted in each Subcontract for Subcontractors and lower tier Subcontractors. For this purpose, upon request to the Project Engineer, the Contractor will be provided with extra copies of the FHWA 1273, the amendments thereto, the applicable wage rates, and this Special Provision.

#### **1-07.17 Utilities and Similar Facilities**

*Section 1-07.17 is supplemented with the following:*

*(April 2, 2007 WSDOT GSP)*

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:

- Removal, relocation, or adjustments of utility poles, cable, vaults, junction boxes and equipment by Eatonville Electric Department, and/or their representatives.

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 known or their Contractors that will be adjusting, relocating, replacing or constructing utilities within the project limits are supplied for the Contractor's use:

##### **Comcast Cable**

Corey Fellman  
(253) 225-6961

##### **AT&T**

Josh Coggins, Outside Plant Technician  
Cell: (253) 209-0260

##### **Rainier Connect**

Jim Furhman, Outside Plant Manager  
(360) 832-3174

##### **Town of Eatonville Electric Department**

Contact: Dan Sharpe



(253) 278-3905

**Town of Eatonville Water Department**

Contact: Steve McKasson

(253) 278-9503

**1-07.18 Public Liability and Property Damage Insurance**

*Delete this section in its entirety, and replace it with the following:*

**1-07.18 Insurance**

*(January 4, 2016 APWA GSP)*

**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.
- F. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency



- G. 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.
- H. 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 Contracting Agency's construction administration and design consultants
- Washington State Department of Transportation (WSDOT)

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.

### **1-07.23 Public Convenience and Safety**

#### **1-07.23(1) Construction Under Traffic**

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

*(January 5, 2015 WSDOT GSP Option 5)*

Lane closures are subject to the following restrictions:

\*\*\*

The allowable work hours for Single Lane Closures with Alternating Traffic via Flagger and Intersection Flagging Operations are 7:00 PM to 7:00 AM. Shoulder closures are allowed without restrictions as long as:

1. Minimum lane width of 10 feet can be maintained, and
2. The number of vehicles lanes are not restricted/minimized, and
3. The traffic control devices are approved for night-time operation, and
4. Pedestrian routing is in conformance with the traffic control plans provided in the Contract Documents.

The Contractor shall provide traffic control plans to the Engineer for review and approval a minimum of ten (10) working days prior to implementation. The plans as provided by the Contractor shall include and not be limited to the following information:

- Stop line locations with station and offset to verify safety of intersection turning radius for vehicles.
- Minimum lane widths provided for vehicular travel.



The Contractor shall provide flaggers, signs, and other traffic control devices. The Contractor shall erect and maintain all construction signs, warning signs, detour signs, and other traffic control devices necessary to warn and protect the public at all times from injury or damage as a result of the Contractor's operations which may occur on highways, roads, streets, sidewalks, or paths. No work shall be done on or adjacent to any traveled way until all necessary signs and traffic control devices are in place.

Contractor shall provide, operate and maintain two (2) Portable Changeable Message Signs along SR 161 for the duration of construction.

\*\*\*

If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any change in the closure hours.

Lane closures are not allowed on any of the following:

1. A holiday,
2. A holiday weekend; holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend. A holiday weekend includes Saturday, Sunday, and the holiday.
3. After 12:00pm (noon) on the day prior to a holiday or holiday weekend, and
4. Before 12:00pm (noon) on the day after the holiday or holiday weekend.

#### **1-07.24 Rights of Way**

*(July 23, 2015 APWA GSP)*

*Delete this section 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.

## **1-08 PROSECUTION AND PROGRESS**

*Add the following new section:*

### **1-08.0 Preliminary Matters**

*(May 25, 2006 APWA GSP)*

*Add the following new section:*

#### **1-08.0(1) Preconstruction Conference**

*(October 10, 2008 APWA GSP)*

Prior to the Contractor beginning the work, a preconstruction conference will be held between the Contractor, the Engineer and such other interested parties as may be invited. The purpose of the preconstruction conference will be:

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
4. To establish normal working hours for the work;
5. To review safety standards and traffic control; and



6. To discuss such other related items as may be pertinent to the work.

The Contractor shall prepare and submit at the preconstruction conference the following:

1. A breakdown of all lump sum items;
2. A preliminary schedule of working drawing submittals; and
3. A list of material sources for approval if applicable.

*Add the following new section:*

#### **1-08.0(2) Hours of Work**

*(December 8, 2014 APWA GSP)*

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 noon on the working day 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.

### **1-08.1 Subcontracting**

*Section 1-08.1 is supplemented with the following:*

*(December 19, 2019 APWA GSP, Option A)*

Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall submit to the Engineer a certification (WSDOT Form 420-004) that a written agreement between the Contractor and the subcontractor or between the subcontractor and any lower tier subcontractor has been executed. This certification shall also guarantee that these subcontract agreements include all the documents required by the Special Provision Federal Agency Inspection.

A Subcontractor or lower tier Subcontractor will not be permitted to perform any work under the contract until the following documents have been completed and submitted to the Engineer:

1. Request to Sublet Work (WSDOT Form 421-012), and
2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid Projects (WSDOT Form 420-004).

The Contractor shall submit to the Engineer a completed Monthly Retainage Report (WSDOT Form 272-065) within 15 calendar days after receipt of every monthly progress payment until

every Subcontractor and lower tier Subcontractor's retainage has been released.

The ninth paragraph, beginning with "On all projects, ..." is revised to read:

The Contractor shall certify to the actual amount received from the Contracting Agency and amounts paid to all firms that were used as Subcontractors, lower tier subcontractors, manufacturers, regular dealers, or service providers on the Contract. This includes all Disadvantaged, Minority, Small, Veteran or Women's Business Enterprise firms. This Certification shall be submitted to the Engineer on a monthly basis each month between Execution of the Contract and Physical Completion of the Contract using the application available at: <https://wsdot.diversitycompliance.com>. A monthly report shall be submitted for every month between Execution of the Contract and Physical Completion regardless of whether payments were made or work occurred.

### **1-08.3 Progress Schedule**

#### **1-08.3(2)A Type A Progress Schedule**

*(March 13, 2012 APWA GSP)*

*Revise the first paragraph to read:*

The Contractor shall submit 4 copies of a Type A Progress Schedule no later than at the preconstruction conference, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. Regardless of which format used, the schedule shall identify the critical path. The



Engineer will evaluate the Type A Progress Schedule and approve or return the schedule for corrections within 15 calendar days of receiving the submittal.

#### **1-08.4 Prosecution of Work**

*Delete this section and replace it with the following:*

#### **1-08.4 Notice to Proceed and Prosecution of Work**

*(July 23, 2015 APWA GSP)*

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.

#### **1-08.5 Time for Completion**

*Section 1-08.5 is supplemented with the following:*

*(March 13, 1995 WSDOT GSP)*

This project shall be physically completed within \*\*\* **one hundred twenty (120)** \*\*\* working days.

*(November 30, 2018 APWA GSP, Option A)*

*Revise the third and fourth paragraphs to read:*

Contract time shall begin on the first working day following the Notice to Proceed Date.

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. Monthly 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. A copy of the Notice of Termination sent to the Washington State Department of Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the Notice of Termination by Ecology; and no rejection of the Notice of Termination by Ecology. This requirement will not apply if the Construction Stormwater General Permit is transferred back to the Contracting Agency in accordance with Section 8-01.3(16).
  - g. Property owner releases per Section 1-07.24

#### **1-08.6 Suspension of Work**

*Section 1-08.6 is supplemented with the following:*

*(January 3, 2017 WSDOT GSP)*

Contract time may be suspended for the HMA mix design evaluation report or for procurement of critical materials (Procurement Suspension). In order to receive a Procurement Suspension, the Contractor shall within 21 calendar days after execution by the Contracting Agency, submit all HMA mix designs not already on the QPL according to Section 5-04.2(1) or place purchase orders for all materials deemed critical by the Contracting Agency for Physical Completion of the Contract. The Contractor shall provide a copy of the completed WSDOT Form 350-042 indicating the date the mix design was submitted, or copies of purchase orders for the critical materials. Such purchase orders shall disclose the purchase order date and estimated delivery dates for such critical material.



The Contractor shall show the HMA mix design evaluation report or procurement of the critical materials listed below as activities in the Progress Schedule. If the approved Progress Schedule indicates that acceptance of the HMA mix designs or materials procurement are critical activities, and if the Contractor has provided documentation that purchase orders are placed for the critical materials within the prescribed 21 calendar days, then Contract time will be suspended upon Physical Completion of all critical work except that work dependent upon the below listed critical materials:

\*\*\* Illumination, RRFB, and school zone beacon equipment \*\*\*

Charging of Contract time will resume upon the Contractor's receipt of a WSDOT mix design evaluation report or delivery of the critical materials to the Contractor, notification that the critical materials are ready for delivery to the Contractor from the Contracting Agency's Materials Laboratory, or \*\*\* 90 \*\*\* calendar days after execution by the Contracting Agency, whichever occurs first.

No additional Procurement Suspension will be provided if the Contractor's HMA mix designs did not meet Contract requirements and are resubmitted.

#### **1-08.9 Liquidated Damages**

*(March 3, 2021 APWA GSP, Option A)*

Replace Section 1-08.9 with the following:

Time is of the essence of the Contract. Delays inconvenience the traveling public, obstruct traffic, interfere with and delay commerce, and increase risk to Highway users. Delays also cost tax payers undue sums of money, adding time needed for administration, engineering, inspection, and supervision.

Accordingly, the Contractor agrees:

1. To pay liquidated damages in the amount of \*\*\* \$3,150.00 \*\*\* for each working day beyond the number of working days established for Physical Completion, and
2. To authorize the Engineer to deduct these liquidated damages from any money due or coming due to the Contractor.

When the Contract Work has progressed to Substantial Completion as defined in the Contract, the Engineer may determine the Contract 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, liquidated damages identified 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.



Liquidated damages will not be assessed for any days for which an extension of time is granted. No deduction or payment of liquidated damages will, in any degree, release the Contractor from further obligations and liabilities to complete the entire Contract.

## **1-09 MEASUREMENT AND PAYMENT**

### **1-09.6 Force Account**

*(October 10, 2008 APWA GSP)*

*Supplement this section with the following:*

The Contracting Agency has estimated and included in the Proposal dollar amounts for all items to be paid per force account, only to provide a common proposal for Bidders. All such dollar amounts are to become a part of Contractor's total bid. However, the Contracting Agency does not warrant expressly or by implication that the actual amount of work will correspond with those estimates. Payment will be made on the basis of the amount of work actually authorized by Engineer.

### **1-09.9 Payments**

*(March 13, 2012 APWA GSP)*

*Delete the first four paragraphs 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.

#### **1-09.9(1) Retainage**

*(June 27, 2011 WSDOT GSP)*

*Section 1-09.9(1) content and title is deleted and replaced with the following:*

Vacant

#### **1-09.11(3) Time Limitation and Jurisdiction**

*(November 30, 2018 APWA GSP)*

*Revise this section 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 36.01.050 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.



### **1-09.13(3) Claims \$250,000 or Less**

*(October 1, 2005 APWA GSP)*

*Delete this section 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.

### **1-09.13(3)A Administration of Arbitration**

*(November 30, 2018 APWA GSP)*

*Revise the third paragraph 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 36.01.050 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.

## **1-10 TEMPORARY TRAFFIC CONTROL**

### **1-10.2 Traffic Control Management**

#### **1-10.2(1) General**

*(January 10, 2022 WSDOT GSP)*

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

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  
<https://www.nwlett.edu>

Evergreen Safety Council  
12545 135<sup>th</sup> Ave. NE  
Kirkland, WA 98034-8709  
1-800-521-0778  
<https://www.esc.org>

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  
<https://altssa.com/training>

Integrity Safety  
13912 NE 20<sup>th</sup> Ave.  
Vancouver, WA 98686  
(360) 574-6071  
<https://www.integritysafety.com>

US Safety Alliance  
(904) 705-5660  
<https://www.ussafetyalliance.com>

K&D Services Inc.  
2719 Rockefeller Ave.  
Everett, WA 98201  
(800) 343-4049  
<https://www.kdnservices.net>

#### **1-10.4 Measurement**

##### **1-10.4(1) Lump Sum Bid for Project (No Unit Items)**

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

*(August 2, 2004 WSDOT GSP)*

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

**END OF DIVISION 1**



## **DIVISION 2 EARTHWORK**

### **2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

#### **2-01.1 Description**

*Supplement this section with the following:*

Clearing, grubbing and tree removal shall be to the limits established by the Plans, as staked by the Contractor and as approved by the Engineer.

The Contractor shall notify property owners a minimum of 5 days in advance of clearing, grubbing, and tree removal operations.

#### **2-01.5 Payment**

*Supplement this section with the following:*

“Clearing and Grubbing”, per lump sum.

All costs associated with removal of trees and stumps, and removing or trimming of vegetation as shown in the Plans shall be included in the per lump sum price for “Clearing and Grubbing”.

### **2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

#### **2-02.1 Description**

*Supplement this section with the following:*

For the purpose of this Contract, “*Removal of Structure and Obstruction*” shall include the removing, abandoning, protecting, storing, and salvaging, of miscellaneous objects required to complete the new construction.

The lump sum contract price for “*Removal of Structure and Obstruction*” shall be full compensation for furnishing all labor, tools, materials, and equipment necessary to:

- Satisfactorily remove and dispose of the items specified, backfill, and compact the resulting void.
- Satisfactorily abandon the items specified, including plugging, capping, and backfilling with CDF or other materials that are required by the Plans or Specifications.
- Satisfactorily salvage the items specified for re-use or to be returned to the property owner or the Town.



The following items shall be removed, abandoned, or salvaged:

<b>Item</b>	<b>Action</b>	<b>Approx. Location</b>	<b>Approx. Qty.</b>
Storm Structure	Remove	See Site Preparation Plan	21 EA
Storm Pipe	Remove or Abandon	See Site Preparation Plan	900 LF
Hydrant Assembly, including pipe and appurtenances	Remove and Salvage	~STA 10+42, right ~STA 17+30, right	2 EA
Fence	Remove and Reset	See Site Preparation Plan	66 LF
Concrete Stairs with handrail	Remove	See Site Preparation Plan	1 LS
Handrail	Remove	See Site Preparation Plan	220 LF
Wall	Remove	See Site Preparation Plan	350 LF
Stone Wall	Remove and Salvage	~STA 17+10, LT	1 LS
Flagpole	Remove and Salvage	~STA 21+11, LT	1 EA
Banner Pole	Remove and Salvage	~STA 12+63, LT & RT	2 EA

Quantities shown are approximate. Quantities are for the Contractor's convenience and should be verified prior to bidding.

If requested by a specific property owner, existing features (such as fencing, etc.) shall be protected, salvaged, and returned to the property owner.

## **2-02.3 Construction Requirements**



*Add the following New Sections:*

### **2-02.3(2)-1 Removing Catch Basins**

The Contractor shall remove catch basins where shown on the Plans or where designated by the Engineer. The resultant void shall be backfilled with imported backfill material per Section 7-08.3(3) Backfilling of the Standard Specifications and as supplemented herein. Imported backfill material to fill resultant void from removed structures shall not be measured and considered included in the lump sum price for Removal of Structure and Obstruction.

All grates, frames, and covers shall remain the property of the Town and will be hauled from the project by Town personnel. The Contractor shall exercise reasonable care in the removal and salvaging of existing grates, frames, and covers, and shall stockpile the salvaged grates, frames, and covers in locations designated by the Engineer.

### **2-02.3(2)-2 Removing/Abandoning Storm Drain, Water, and Sewer Pipe**

Where indicated on the Plans, existing storm drain pipe (or culverts), water pipe, sewer pipe, and structures shall be abandoned. Pipes may also be abandoned provided the following conditions can be met. Pipes indicated to be abandoned shall be abandoned by one of the following methods:

1. Filling the entire pipe with controlled density fill (CDF) or approved equal and plugging both pipe ends.
2. Removing portion of the pipe as needed to construct or make room for other improvements.

Structures indicated to be removed shall be removed by one of the following methods:

1. Removing the existing structure to two (2) feet below the finished subgrade and filling existing pipes and the remaining structure with controlled density fill (CDF) or approved equal.
2. Removing existing structure.

If the storm drain pipe is removed, the resultant void shall be backfilled with imported backfill material per Section 7-08.3(3) Backfilling of the Standard Specifications and as supplemented herein. Imported backfill material to fill resultant void from removed pipes shall not be measured and considered included in the lump sum price for Removal of Structure and Obstruction.

When filling existing pipe or structures that are to be abandoned, care shall be used in placing the CDF to ensure the pipe is completely filled and no voids remain. CDF shall meet the requirements of Section 2-09.3(1)E Backfilling of the Standard Specifications.



### **2-02.3(3) Removal of Pavement, Sidewalks, Curbs, and Gutters**

*Supplement this section with the following:*

The Contractor shall remove existing asphalt concrete pavement, cement concrete pavement, curb and gutter, extruded curb, sidewalk, and other associated roadside elements as shown on the Plans and approved by the Engineer. Removal shall include excavation of the underlying soil as required to achieve the subgrade elevations shown on the Plans. Existing roadside elements to remain that are damaged shall be replaced by the Contractor to Town of Eatonville standards and at the Contractor's own expense.

At locations marked by the Engineer, transitions to existing asphalt or cement concrete driveways, curb and gutter, and walkways shall be vertically saw cut full depth with straight uniform edges.

The Contractor shall be responsible for ensuring that special precautions are undertaken so that no concrete or concrete by-products, or products and by-products used in the saw cut of asphalt or concrete, are discharged into any storm drain or surface water system.

In accordance with the Department of Ecology guidelines, wastewater from Portland Cement Concrete, masonry, and asphalt concrete cutting operations shall not be discharged to storm drainage systems or surface waters. Cutting operations increase the pH of wastewater, therefore, filtering prior to discharge is **NOT** acceptable.

To thoroughly clean saw cuts where necessary, the Contractor shall use high pressure water (high pressure water is considered greater than 1400 p.s.i.).

All wastewater shall be collected using a wet-dry vacuum or pumped into drums for disposal. Disposal of the waste liquid may be to soil or other porous surfaces away from storm drains and surface water, only if the Contractor collects and disposes of remaining sediment after water has filtered into soil or evaporated. Impervious surfaces contaminated with sediment and grit from cutting, planing, or pulverizing operations shall be cleaned by sweepers to prevent contaminants from entering the storm drainage system or surface waters when it rains.

Flushing saw cuts with high-pressure water and collection of wasted water with vacuum system, and pollution control shall be included in the unit contract price for associated removal bid items, which require sawcutting.

### **2-02.5 Payment**

*Supplement this section with the following:*

Payment will be made for the following bid items:

“Removal of Structure and Obstruction”, per lump sum.

All costs associated with sawcutting shall be included in the unit contract price for the type of material to be removed.

All costs associated with structure excavation shall be included in the unit contract price for the type of material to be removed.



## 2-03 ROADWAY EXCAVATION AND EMBANKMENT

### 2-03.1 Description

*The second paragraph of Section 2-03.1 is supplemented as follows:*

4. Removal Items being separately paid for under Section 2-02 of these contract documents.

*Supplement this section with the following:*

Excavation that is not included under other bid items shall be measured and paid at the unit contract price per cubic yard for “*Roadway Excavation Incl. Haul*” and shall include removal of such items as asphalt, cement concrete pavement, sidewalks, curbs, and gutters. Existing cement concrete pavement underlying asphalt concrete pavement shall be removed at the locations shown in the Plans for installation of medians, utilities, and as designated by the Engineer.

Excavated material unsuitable for roadway embankment, such as broken pavement, curbs, sidewalks, etc., shall be disposed of. All cost associated with hauling and disposal of the excavated material shall be considered **incidental** to the unit contract price for “*Roadway Excavation Incl. Haul*.”

Any excavation beyond the set limits, unless ordered by the Engineer in writing, shall not be paid for. The Contractor, at Contractor expense, shall provide all work and material required to return these over excavated areas to their set limits or original conditions.

### 2-03.3 Construction Requirements

#### 2-03.3(7) Disposal of Surplus Material

*Supplement this section with the following:*

The Contractor shall make his own arrangements for disposal of all surplus or unsuitable material and shall protect the Town from any and all damages arising there from. All costs for such disposal is **incidental** to the respective bid items of the Contract and no additional compensation will be made.

Waste sites shall also conform to the requirements of these Special Provisions.

#### 2-03.3(7)C Contractor-Provided Disposal Site

*Supplement this section with the following:*

The Contractor shall acquire all permits and approvals required for the use of the disposal site. The cost of any such permits and approvals shall be included in the bid prices for other work. The Contractor shall, if requested by the Engineer, provide the Engineer with the location of all disposal sites to be used and also provide copies of the permits and approvals for such disposal sites.



### **2-03.3(14) Embankment Construction**

*Supplement this section with the following:*

Embankments shall be constructed per Method C of the Standard Specifications.

All embankment construction and compaction shall be considered **incidental** to the various bid items and no additional compensation shall be considered.

### **2-03.5 Payment**

*Supplement this section with the following:*

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

“Roadway Excavation Incl. Haul”, per cubic yard.

“Gravel Borrow Incl. Haul” per ton.

All costs associated with embankment compaction shall be considered **incidental** to various bid items.

## **2-04 HAUL**

### **2-04.1 Description**

*Supplement this section with the following:*

In reference to the term “haul” as used in Section 2-04 and Section 2-09.3(1)D of the Standard Specifications, all costs and expenses involved in haul will be considered **incidental** to the unit contract prices of the bid items and no additional compensation will be made.



## **2-09 STRUCTURE EXCAVATION**

### **2-09.3(2) Classification of Structure Excavation**

*Supplement this section with the following:*

Structure Excavation Class B as defined in the Standard Specifications shall not be specifically measured for payment. Excavation of this classification required for the construction and installation of drainage structures and storm drain pipes shall be considered **incidental** to the various bid items.

No approximate quantity of structure excavation has been estimated or shown on the Plans. The Contractor shall examine the Plans and verify the excavation requirements for this project prior to bidding.

### **2-09.3(1)D Disposal of Excavated Material**

*Supplement this section with the following:*

All costs associated with disposing, hauling, or reusing excavated material shall be considered **incidental** to the various bid items and no additional compensation shall be considered.

### **2-09.3(3)D Shoring and Cofferdams**

*Supplement this section with the following:*

Providing shoring and cribbing and all aspects involved therein shall be the sole responsibility of the Contractor. All structure excavation shall be performed in strict compliance with Chapter 296-155 WAC and Chapter 49.17 RCW of the Washington Safety and Health Act.

## **2-11 TRIMMING AND CLEANUP**

### **2-11.5 Payment**

*Supplement this section with the following:*

All costs associated with Trimming and Cleanup shall be considered **incidental** to the various bid items.

## **END OF DIVISION 2**



**DIVISION 3**  
**PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING**

**3-01 PRODUCTION FROM QUARRY AND PIT SITES**

**3-01.4 Contractor Furnished Material Sources**

*Supplement this section with the following:*

No source has been provided for any materials necessary for the construction of this improvement.

The Contractor shall make arrangements to obtain the necessary materials at no expense to the Town, and all costs of acquiring, producing, and placing this material in the finished work shall be included in the unit contract prices for the various items involved.

**3-01.5 Measurement**

*Supplement this section with the following:*

All costs of any work required under Division 3 shall be included in the prices for the various items in the Proposal.

**END OF DIVISION 3**



## DIVISION 5

### SURFACE TREATMENTS AND PAVEMENTS

#### 5-04 HOT MIX ASPHALT

##### 5-04.1 Description

*Supplement this section with the following:*

The grade of paving asphalt used in HMA shall be PG 58H-22 unless otherwise directed by the Engineer. Asphalt concrete pavement shall be used at the following locations on the project:

1. HMA CI 1/2", PG 58H-22: For all asphalt concrete roadway construction and reconstruction per the Typical Roadway section details on the Plans.
2. Commercial HMA: For all asphalt concrete construction or reconstruction behind back of curb where such construction is shown on the Plans or directed by the Engineer.

##### 5-04.2 Materials

##### 5-04.2(2) Mix Design- Obtaining Project Approval

*(January 3, 2011 WSDOT GSP Option 1)*

*Section 5.04-2(2) is supplemented with the following:*

##### **ESAL's**

The number of ESAL's for the design and acceptance of the HMA shall be \*\*\* 1.15 \*\*\* million.

##### 5-04.3 Construction Requirements

##### 5-04.3(5)A Preparation Of Existing Surfaces

*Supplement this section with the following:*

In accordance with Section 1-07.15(1) **Spill Prevention, Control and Countermeasures Plan** (SPCC), as part of the SPCC the Contractor shall address the mitigating measures to be taken in the event that the paving operation is suspended or terminated prior to the asphalt for tack coat being fully covered.

##### 5-04.5 Payment

*Supplement this section with the following:*

Payment shall be made for the following bid items:



“HMA Cl. ½” PG 58H-22”, per ton.

“Commercial HMA”, per ton.

The following items shall be considered **incidental** to the various bid items: Preparation of Untreated Roadway, Soil Residual Herbicide, Longitudinal Joint Seals, and Anti-Stripping Additive.

All costs associated with application of tack coat shall be considered **incidental** to the various bid items.

## **END OF DIVISION 5**



## DIVISION 6 STRUCTURES

### 6-07 PAINTING

#### 6-07.1 Description

*Supplement this section with the following:*

This work shall consist of painting systems and colors for metal elements as shown on the Plans.

#### 6-07.2 Materials

*Supplement this section with the following:*

Paint materials shall comply with the requirements in Section 9-08 unless described in this section.

Paint Color / Paint System Table

Specification Section	Item	Paint Color	Paint System
8-21	Sign Poles	RAL 9017 "Traffic Black"	Powder Coating Paint System
8-27	Handrail	RAL 9017 "Traffic Black"	Powder Coating Paint System
8-30	Bench	Black	Powder Coating Paint System per Manufacturer
8-31	Custom Banner Pole: Metal Cap and Metal Cutout Panel	Copper Rust	Multicolor Powder Coat System, see below
9-29.6(7)	Decorative Pedestrian Luminaire Pole	RAL 9017TX "Traffic Black"	Powder Coating Paint System
9-29.6(6)	Decorative Roadway Luminaire Pole	RAL 9017TX "Traffic Black"	Powder Coating Paint System
9-29.6(6)	Decorative Banner Arms, Flag Holder, and GFCI Cover	RAL 9017TX "Traffic Black"	Powder Coating Paint System
9-29.10(2)	Decorative Pedestrian Luminaires	RAL 9017TX "Traffic Black"	Powder Coating Paint System
9-29.10(3)	LED Roadway Luminaires	RAL 9017TX "Traffic Black"	Powder Coating Paint System
9-29.21	RRFB, SCH Pole and Base Covers	RAL 9017TX "Traffic Black"	Power Coat Paint System



## Galvanizing

All fabricated steel components and materials to be galvanized per ASTM 123.

All steel components, hardware and materials to be galvanized per ASTM 153.

## Multicolor Powder Coat System

Multicolor powder coat shall be a low gloss urethane coating system including a brown base powder coat and a metallic copper pigment top coat which yields to a mottled dark brown and reddish brown tones looking like real distressed aged bronze. Multicolor powder coat system shall be resistant to ultraviolet rays, rust and fingerprints.

### Powder Properties

Specific Gravity:	1.60 +/- .05
Theoretical Coverage:	48 sq/ft @ 2.5 mils
Particle Distribution:	+44 microns (325 mesh) 65 - 75%
Film Thickness:	2.5 to 4.0 mils
Optimal Storage:	< 80°F, 50% RH
Cure Schedule:	12 min. @ 400°F, 18 min. @ 375°F, 25 min. @ 360°F

### Cure Film Properties

Test***	Method	Range
Gloss:	ASTM D523	3-7%
PCI Smoothness:		0
Direct Impact:	ASTM D2794	20 in./lbs. @ 2.5 mils
Indirect Impact:	ASTM D2794	20 in./lbs. @ 2.5 mils
Pencil Hardness:	ASTM D3363	H-2H
Cross Hatch Adhesion:	ASTM D3359B	5B
Flexibility:	ASTM D522	3/8 in
Salt Spray Hours	ASTM B117	

Add new Section 6-07.2(1):

### **6-07.2(1) Materials for Luminaire, RRFB, and SCH Poles, Luminaires, and Control Cabinets**

The Contractor shall provide a swatch paint sample from the pole manufacturer for use as a color match for the Engineer's approval prior to factory finish coating. Contractor shall also provide two gallons of touch-up paint to the Town.

Painting plan submittals shall be per Standard Specifications Section 6-07 Painting.

#### Steel Poles and Steel Sub-Assemblies Paint Specifications:

Steel poles and sub-assemblies shall be factory galvanized, primed and finished with polyester powder coating per Section 6-07 and Section 9-08 of the Standard Specifications.



Aluminum Poles, Aluminum Sub-Assemblies and Aluminum Luminaire Housings Specifications:

Aluminum poles, sub-assemblies, luminaires, control cabinets and other aluminum components shall be factory primed and painted with polyester powder coating to recommended industry standards and shall meet AAMA 2604 performance requirements and test procedures.

**6-07.3 Construction Requirements**

*Supplement this section with the following:*

**Quality Assurance**

Materials specified are those that have been evaluated for the specific service. The paint and paint products used for this project shall be approved by Engineer.

Requirements for an Approved Equal:

Bidder shall provide to the Owner in writing a detailed side-by-side comparison of the proposed product's characteristics, performance characteristics, and application conditions for each coating applied.

For consideration for approval this written comparison shall be certified and notarized by an officer of the proposed manufacturer as true and correct.

For Products Characteristics this detailed side-by-side comparison shall include for example, but not limited to, Volume Solids, Weight Solids, VOC, Mix Ratio, Zinc Content in Dry Film (by Weight), Spreading Rate per coat, Drying Schedule, Shelf Life and Flash Point.

For Performance Characteristics this detailed side-by-side comparison shall include for example, but not limited to, Abrasion Resistance, Tensile Strength, Humidity, Graffiti Resistance, Adhesion, Salt Fog Resistance and Slip Coefficient.

The Contractor shall submit (3) samples of each custom color, textures, and gloss for approval. Appropriate metal coupon samples (steel and aluminum) shall be three (3) inches by five (5) inches. Paint colors and paint systems shall be as shown in the Paint Color/Paint System Table for the various items as included in this Section.

Finished surface of painted metal shall be of consistent and uniform color, texture, and gloss to match the approved sample.

After powder coating has been in place at least fifteen (15) days, and within thirty (30) days of Substantial Completion, check all powder coated surfaces for damage, missed areas and discoloration.



## **6-07.5 Payment**

*Supplement this section with the following:*

Measurement and payment for all painting and finishes shall be incidental to the related bid items that receive the painting and finishes included all labor, equipment, materials, and tools necessary to complete the work as shown on the Plans and required by the Specifications.

## **6-11 REINFORCED CONCRETE WALLS**

### **6-11.1 Description**

*Section 6-11.1 is supplemented with the following:*

This work consists of constructing Cast in Place concrete retaining wall as shown in the Plans.

### **6-11.4 Measurement**

*Section 6-11.4 is supplemented with the following:*

No specific unit of measurement shall apply to the lump sum price for Cast in Place Wall.

### **6-11.5 Payment**

*Section 6-11.5 is supplemented with the following:*

“Cast in Place Wall”, per lump sum.

The lump sum price for “Cast in Place Wall” shall be full compensation for all labor, material, tools, and equipment necessary to satisfactorily complete the Work including, but not limited to, structure excavation, subgrade compaction, cement concrete, rebar, and Class 2 surface finish.

## **6-13 STRUCTURAL EARTH WALLS**

### **6-13.1 Description**

*Section 6-13.1 is supplemented with the following:*

This work consists of Modular Block Walls at the locations shown on the Plans. Modular Block Walls are defined as structural earth walls constructed of standard unit blocks, less than 4' in height, without geogrid reinforcing. Construction and installation of Modular Block Walls must conform to the manufacturer's specific requirements.

### **6-13.2 Materials**

*Section 6-13.2 is supplemented with the following:*

Modular Block wall facing shall be straight face standard blocks with a maximum depth of 18-inches, maximum width of 18-inches, and maximum height of 8-inches.



Modular Block wall facing shall be warm beige/brown in color. Contractor shall provide Modular Block sample in specified color for Engineer's approval.

Wall backfill shall be per Section 9-03.12(2) Gravel Backfill for Walls.

*(January 2, 2018 WSDOT GSP)*

### **Concrete Block Faced Structural Earth Wall Materials**

#### **General Materials**

##### **Concrete Block**

Acceptability of the blocks will be determined based on the following:

1. Visual inspection.
2. Compressive strength tests, conforming to Section 6-13.3(4).
3. Water absorption tests, conforming to Section 6-13.3(4).
4. Manufacturer's Certificate of Compliance in accordance with Section 1-06.3.
5. Freeze-thaw tests conducted on the lot of blocks produced for use in this project, as specified in Section 6-13.3(4).
6. Copies of results from tests conducted on the lot of blocks produced for this project by the concrete block fabricator in accordance with the quality control program required by the structural earth wall manufacturer.

The blocks shall be considered acceptable regardless of curing age when compressive test results indicate that the compressive strength conforms to the 28-day requirements, and when all other acceptability requirements specified above are met.

Testing and inspection of dry cast concrete blocks shall conform to ASTM C 140, and shall include block fabrication plant approval by WSDOT prior to the start of block production for this project.

#### **Mortar**

Mortar shall conform to ASTM C 270, Type S, with an integral water repellent admixture as accepted by the Engineer. The amount of admixture shall be as recommended by the admixture manufacturer. To ensure uniform color, texture, and quality, all mortar mix components shall be obtained from one manufacturer for each component, and from one source and producer for each aggregate.

#### **Geosynthetic Soil Reinforcement**

Geogrid reinforcement shall conform to Section 9-33.1, and shall be a product listed in Appendix D of the current WSDOT Qualified Products List (QPL). The values of  $T_{al}$  and  $T_{ult}$  as listed in the QPL for the products used shall meet or exceed the values required for the wall manufacturer's reinforcement design as specified in the structural earth wall design calculation and working drawing submittal.



The minimum ultimate tensile strength of the geogrid shall be a minimum average roll value (the average test results for any sampled roll in a lot shall meet or exceed the values shown in Appendix D of the current WSDOT QPL). The strength shall be determined in accordance with ASTM D 6637, for multi-rib specimens.

The ultraviolet (UV) radiation stability, in accordance with ASTM D 4355, shall be a minimum of 70 percent strength retained after 500 hours in the weatherometer.

The longitudinal (i.e., in the direction of loading) and transverse (i.e., parallel to the wall or slope face) ribs that make up the geogrid shall be perpendicular to one another. The maximum deviation of the cross-rib from being perpendicular to the longitudinal rib (skew) shall be no more than 1 inch in 5 feet of geogrid width. The maximum deviation of the cross-rib at any point from a line perpendicular to the longitudinal ribs located at the cross-rib (bow) shall be 0.5 inches.

The gap between the connector and the bearing surface of the connector tab cross-rib shall not exceed 0.5 inches. A maximum of 10 percent of connector tabs may have a gap between 0.3 inches and 0.5 inches. Gaps in the remaining connector tabs shall not exceed 0.3 inches.

The Engineer will take random samples of the geogrid materials at the job site. Acceptance of the geogrid materials will be based on testing of samples from each lot. A "lot" shall be defined as all geogrid rolls sent to the project site produced by the same manufacturer during a continuous period of production at the same manufacturing plant having the same product name. The Contracting Agency will require 14 calendar days maximum for testing the samples after their arrival at the WSDOT Materials Laboratory in Tumwater, WA.

The geogrid samples will be tested for conformance to the specified material properties. If the test results indicate that the geogrid lot does not meet the specified properties, the roll or rolls which were sampled will be rejected. Two additional rolls for each roll tested which failed from the lot previously tested will then be selected at random by the Engineer for sampling and retesting. If the retesting shows that any of the additional rolls tested do not meet the specified properties, the entire lot will be rejected. If the test results from all the rolls retested meet the specified properties, the entire lot minus the roll(s) which failed will be accepted.

All geogrid materials which have defects, deterioration, or damage, as determined by the Engineer, will be rejected. All rejected geogrid materials shall be replaced at no expense to the Contracting Agency.

Except as otherwise noted, geogrid identification, storage and handling shall conform to the requirements specified in Section 2-12.2. The geogrid materials shall not be exposed to temperatures less than -20F and greater than 122F.

#### **Drainage Geosynthetic Fabric**

Drainage geosynthetic fabric shall be a non-woven geosynthetic conforming to the requirements in Section 9-33.1, for Construction Geotextile for Underground Drainage, Moderate Survivability, Class B.



## **Proprietary Materials**

### **Allan Block Wall**

Wall backfill material placed in the open cells of the precast concrete blocks and placed in the one to three foot zone immediately behind the precast concrete blocks shall be crushed granular material conforming to Section 9-03.9(3).

### **GEOWALL Structural Earth Retaining Wall System**

Connection pins shall be fiberglass conforming to the requirements of Basalite Concrete Products, LLC.

### **KeyGrid Wall**

KeyStone connection pins shall be fiberglass conforming to the requirements of Keystone Retaining Wall Systems, Inc.

### **Landmark Retaining Wall**

Lock bars shall be made of a rigid polyvinyl chloride polymer conforming to the following requirements:

<b>Property</b>	<b>Value</b>	<b>Specification</b>
Specific Gravity	1.4 minimum	ASTM D 792
Tensile Strength at yield	2,700 psi minimum	ASTM D 638

Lock bars shall remain sealed in their shipping containers until placement into the wall. Lock bars exposed to direct sunlight for a period exceeding two months shall not be used for construction of the wall.

### **Mesa Wall**

Block connectors for block courses with geogrid reinforcement shall be glass fiber reinforced high-density polypropylene conforming to the following minimum material specifications:

<b><u>Property</u></b>	<b><u>Specification</u></b>	<b><u>Value</u></b>
Polypropylene	ASTM D 4101	
	Group 1 Class 1 Grade 2	73 ± 2 percent
Fiberglass Content	ASTM D 2584	25 ± 3 percent
Carbon Black	ASTM D 4218	2 percent minimum
Specific Gravity	ASTM D 792	1.08 ± 0.04
Tensile Strength at yield	ASTM D 638	8,700 ± 1,450 psi
Melt Flow Rate	ASTM D 1238	0.37 ± 0.16 ounces/10 min.

Block connectors for block courses without geogrid reinforcement shall be glass fiber reinforced high-density polyethylene (HDPE) conforming to the following minimum material specifications:

<b><u>Property</u></b>	<b><u>Specification</u></b>	<b><u>Value</u></b>
HDPE	ASTM D 1248	
	Type III Class A Grade 5	68 ± 3 percent
Fiberglass Content	ASTM D 2584	30 ± 3 percent
Carbon Black	ASTM D 4218	2 percent minimum
Specific Gravity	ASTM D 792	1.16 ± 0.06



Tensile Strength	ASTM D 638	
at yield		8,700 ± 725 psi
Melt Flow Rate	ASTM D 1238 0.11 ± 0.07 ounces/10 min.	

### 6-13.3 Construction Requirements

*Section 6-13.3 is supplemented with the following:*

*(January 2, 2018 WSDOT GSP)*

#### **Concrete Block Faced Structural Earth Wall**

Concrete block faced structural earth walls shall be constructed of only one of the following wall systems. The Contractor shall make arrangements to purchase the concrete blocks, soil reinforcement, attachment devices, joint filler, and all necessary incidentals from the source identified with each wall system:

##### Allan Block Wall

Allan Block Wall is a registered trademark of the Allan Block Corporation

Allan Block Corporation  
7424 W 78th Street  
Bloomington, MN 55439  
(800) 899-5309  
FAX (952) 835-0013  
www.allanblock.com

##### GEOWALL Structural Earth Retaining Wall System

GEOWALL is a registered trademark of Basalite Concrete Products, LLC

Basalite Concrete Products LLC  
3299 International Place  
Du Pont, WA 98327-7707  
(800) 964-9424  
FAX: (253) 964-5005  
www.basalite.com

##### Redi-Rock Positive Connection System

Redi-Rock Positive Connection System is a registered trademark of Redi-Rock International, LLC

Redi-Rock International, LLC  
05481 US 31 South  
Charlevoix, MI 49720  
(866) 222-8400  
FAX (231) 237-9521  
www.redi-rock.com

##### Mesa Wall

Mesa Wall is a registered trademark of Tensar Corporation



Tensar Corporation  
2500 Northwinds Parkway Suite 500  
Atlanta, GA 30009  
(770) 334-2090  
FAX (678) 281-8546  
www.tensarcorp.com

#### Landmark Retaining Wall System

Landmark Retaining Wall System is a registered trademark of Anchor Wall Systems, Inc.

Anchor Wall Systems, Inc.  
5959 Baker Road, Suite 390  
Minnetonka, MN 55345-5996  
(877) 295-5415  
FAX (952) 979-8454  
www.anchorwall.com

#### KeyGrid Wall

KeyGrid is a registered trademark of Keystone Retaining Wall Systems, Inc.

Keystone Retaining Wall Systems, Inc.  
4444 West 78<sup>th</sup> Street  
Minneapolis, MN 55435  
(800) 747-8971  
FAX (952) 897-3858  
www.keystonewalls.com

### **6-13.3(5) Precast Concrete Facing Panel and Concrete Block Erection**

*Section 6-13.3(5) is supplemented with the following:*

*(April 2, 2012 WSDOT GSP)*

#### **Specific Erection Requirements for Precast Concrete Block Faced Structural Earth Walls**

##### **Landmark Retaining Wall**

When placing each course of concrete blocks, the Contractor shall pull the blocks towards the front face of the wall until the male key of the bottom face of the upper block contacts and fits into the female key of the top face of the supporting block below.

A maximum gap of 1/8-inch is allowed between adjacent concrete blocks, except for the base course set of concrete blocks placed on the leveling pad. A maximum gap of 1-inch is allowed between adjacent base course concrete blocks, provided geosynthetic reinforcement for drains is in place over the gap at the back face of the concrete blocks.

Lock bars shall be installed in the female key of the top face of all concrete block courses receiving geogrid reinforcement. Gaps between adjacent lock bars in the key shall not exceed 3-inches. The lock bar shall be installed flat side up, with the angled side to the back of the concrete block, as shown in the shop drawings.



Geogrid reinforcement shall be placed and connected to concrete block courses specified to receive soil reinforcement. The leading edge of the geogrid reinforcement shall be maintained within 1-inch of the front face of the supporting concrete blocks below. Geogrid panels shall be abutted for 100 percent backfill coverage with less than a 4-inch gap between adjacent panels.

Backfill shall be placed and compacted level with the top of each course of concrete blocks, and geogrid reinforcement placed and connected to concrete block courses specified to receive soil reinforcement, before the Contractor may continue placing the next course of concrete blocks.

#### **Mesa Wall**

For all concrete block courses receiving geogrid reinforcement, the fingers of the block connectors shall engage the geogrid reinforcement apertures, both in the connector slot in the block, and across the block core. For all concrete block courses with intermittent geogrid coverage, a #3 steel reinforcing bar shall be placed, butt end to butt end, in the top block groove, with the butt ends being placed at a center of a concrete block.

### **6-13.4 Measurement**

*Section 6-13.4 is supplemented with the following:*

Modular Block Wall will be measured by the square foot of completed wall in place. The bottom limits for vertical measurement will be the top of leveling pad. The top limit for vertical measurement will be the top of the wall as shown in the Plans. The horizontal limits for measurement are from the end of the wall to the end of the wall.

### **6-13.5 Payment**

*Section 6-13.5 is supplemented with the following:*

Payment shall be made under the bid item:

“Modular Block Wall”, per square foot.

The unit contract price per square foot for Modular Block Wall shall be full compensation for the complete construction of the retaining walls as shown in the Plans. This includes, but is not necessarily limited to structure excavation, haul, shoring, modular block units, cap units, gravel backfill for walls, shear connectors, compaction and other incidentals to complete a finished wall. CSBC base leveling pad shall be measured and paid under Crushed Surfacing Base Course.

## **END OF DIVISION 6**



**DIVISION 7**  
**DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS,**  
**WATER MAINS, AND CONDUITS**

**7-04 STORM SEWERS**

**7-04.3 Construction Requirements**

*Supplement this section with the following:*

Where new pipe is connected to existing, the Contractor shall verify the type of existing pipe and joint and replace in kind with new. Connection to existing pipes and structures shall be considered included in the price for pipe and no additional compensation will be made.

All costs associated with providing temporary metal sheeting for storm sewer trenches shall be considered **incidental** to the various bid items and no additional compensation shall be made.

See Section 7-08 herein for further construction requirements.

If necessary, the Contractor shall furnish a coupling device for connections to and extensions of existing storm drain pipes. All costs for couplings shall be considered incidental to the various bid items.

**7-04.3(1) Cleaning and Testing**

*Supplement this section with the following:*

Prior to inspection and acceptance of storm drainage work, pipes and storm drain structures shall be cleaned and flushed. Any obstructions to flow within the storm drain system (such as rubble, mortar, and wedged debris) shall be removed at the nearest structure. This work shall be performed in accordance with Section 7-07 Cleaning Existing Drainage Structures of the Standard Specifications.

Cleaning and flushing of the pipes and structures shall be considered included in the various bid items necessary for a complete and functioning storm drainage system.

*Add the following New Section:*

**7-04.3(2) Connections to Concrete Drainage Structures**

When connecting to a concrete structure, openings must be core-drilled, unless an existing knockout is available. Connections shall be made with watertight rubber boots, sand collars, manhole adapters, or other approved watertight connections, except for concrete, ductile iron, or corrugated metal pipe. For concrete, ductile iron, or corrugated metal pipe, connections shall be made with non-shrink Portland cement grout to make a watertight fit.



### **7-04.3(3) Utility Clearances**

*Supplement this section with the following:*

Foam board that is 6.0 pounds per cubic foot closed cell Polyethylene foam shall be placed between the storm pipe and other utilities for vertical clearances less than 6 inches and shall be incidental to other bid items.

### **7-04.5 Payment**

*Supplement this section with the following:*

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

“Schedule A Storm Sewer Pipe 12 In. Diam.”, per linear foot.

The unit contract price for “Schedule A Storm Sewer Pipe 12 In. Diam.” shall be full payment for the complete installation of the storm sewer pipe including, but not limited to, purchasing, providing, and installing the specified pipe; excavating; purchasing, providing, placing, grading, and compacting import trench backfill and pipe bedding; connecting to existing pipes or existing storm structures; laying and jointing pipe and fittings; normal trench dewatering; cleaning; testing; and television inspection.

## **7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS**

### **7-05.2 Materials**

*Supplement this section with the following:*

All catch basins shall be constructed per the Standard Details included in Appendix C and provided with new frames and grates or new frames and solid covers, as specified in the Plans.

### **7-05.3 Construction Requirements**

*Supplement this section with the following:*

#### **New Catch Basin Adjustment to Grade**

Newly installed drainage structures shall include no more than two four-inch (2 – 4”) adjustment risers. If additional adjustment is required to achieve finished grade, the Contractor shall install a combination of 4”, 6”, 12” and/or 18” precast risers so that no more than two four-inch (2 – 4”) risers are used at any drainage structure.

Concrete adjustment rings shall conform to the ASTM C-32, Grade MA.

#### **Replace Catch Basin Frame and Cover**

The Contractor shall remove the existing frame and grate, and install new frame and cover, as noted on the Plans, on the existing catch basin, and replace riser rings with new concrete riser rings as necessary. The removed catch basin frame and grate shall be salvaged to the Town of Eatonville.



### **7-05.3(1) Adjusting Manholes and Catch Basins to Grade**

*Supplement this section with the following:*

Manholes, valve boxes, catch basins, and other structures shall not be adjusted to final grade until the adjacent pavement is completed, at which time the center of each structure shall be carefully relocated from references previously established by the Contractor. The asphalt concrete pavement shall be removed to a neat circular shape for manholes and catch basin conversion risers and a neat rectangular shape for type 1 catch basins. The edge of the cut shall be 1 foot from the outside edge of the cast iron frame of the structure. The base materials and crushed rock shall be removed. The manhole and catch basin frames shall be lifted and reset to the final grade, plumb to the roadway, and shall remain operational and accessible. Commercial class concrete shall be placed in the entire void up to within, but not to exceed, 3 inches of the finished pavement surface.

The Contractor shall adjust the manholes and catch basins with pre-cast grade rings and mortar, or tapered or non-tapered rubber adjustment rings, with a maximum 2-inch thickness, as required. Metal adjustment rings shall not be used. If more than three grade rings are required to adjust a manhole to final grade, including existing grade rings, the Contractor shall remove the existing cone section, install a pre-cast manhole section of sufficient height to limit the number of grade rings to a maximum of three, and reinstall the cone section prior to paving operations. Cover and grate frames shall be securely grouted to the structure. Where existing structures are located within the wheel path of a proposed travel lane, catch basins adjusted to grade shall also include conversion risers and heavy duty locking covers.

A minimum of twenty-four hours after placement of the concrete or as directed by the Engineer, the edges of the removed asphalt pavement, the concrete surface, and the outer edge of the reset frame shall be painted with asphalt for tack coat. Hot Mix Asphalt top course shall then be placed and properly compacted to finished grade. The Hot Mix Asphalt (HMA) top course shall meet the requirements of Section 5-04 of the Standard Specifications. The joint between the patch and existing pavement shall then be painted with asphalt for tack coat and immediately covered with dry paving sand before the asphalt for tack coat solidifies.

### **7-05.4 Measurement**

*Supplement this section with the following:*

“Furnish and Install Circular Frame and Cover” shall be measured per each frame and cover furnished to replace on an existing catch basin and adjusted to grade.

### **7-05.5 Payment**

*Supplement this section with the following:*

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

“Catch Basin Type 1”, per each.

“Catch Basin Type 2 48 In. Diam.”, per each.

The unit cost in the Proposal for “Catch Basin Type 1” or “Catch Basin Type 2 48 In. Diam”, per each, shall be full compensation for all work required to furnish and install the new catch



basin to finished grade, including, but not limited to, excavating; purchasing, providing and installing foundation and bedding material; purchasing, providing, and installing import trench backfill; compacting; connecting to new pipe(s); connecting to existing pipe(s), including purchasing and providing same size/type pipe segments as needed; frame and grate or rings; adjusting to final grade; testing; cleaning; and grouting to provide a water-tight seal.

“Adjust Catch Basin”, per each.

“Furnish and Install Circular Frame and Cover”, per each.

The unit cost in the Proposal for “Furnish and Install Circular Frame and Cover”, per each, shall be full compensation for all labor, tools, equipment, and materials necessary or incidental to provide and install a new circular frame and cover on an existing catch basin. Work elements may include, but shall not be limited to, removing and disposing of the existing frame and cover; asphalt removal; excavation; concrete collar; adjustment rings; providing and installing the frame and cover grate; adjusting to final grade; purchasing, providing, and installing CSTC; concrete collars; and purchasing, providing, and installing HMA for final restoration.

## **7-08 GENERAL PIPE INSTALLATION REQUIREMENTS**

### **7-08.3(1)A Trenches**

*Supplement this section with the following:*

The requirements of the Occupational Safety and Health Act (OSHA) and the Washington Industrial Safety and Health Act of 1973 (WISHA) shall apply to all excavation, trenching and ditching operations on this project. All trenches over 4 feet in depth shall be shored in compliance with applicable Federal and State regulations. As a general rule, shoring shall be required in all street excavation; sloping to the angle of repose will be permitted only in noncritical off-street areas.

Shoring is the responsibility of the Contractor.

A smooth bladed excavator bucket shall be used to clean the trench bottom of loose and/or disturbed soil. The final trench bottom shall be firm and free of loose and disturbed soil, and uniformly sloped to promote drainage.

Localized zones of groundwater should be anticipated during trenching operations. The Contractor is responsible for design and implementation of dewatering systems, if required, to maintain the trench free of water during pipe installations.

The Contractor shall treat pump discharges to prevent downstream transport of sediment in accordance with Section 8-01 as supplemented herein. This may include the use of a baker tank or other methods at the Contractor's sole discretion. No provisions have been made for discharge of sediment laden water to the sanitary sewer system. The Contractor shall obtain all necessary permits and approval from the Town if he/she elects to use the sanitary sewer system for discharge of turbid water and provide the Engineer with copies of the approvals.

Excavated trench material shall be hauled away and wasted at the Contractor's expense. Placement on the project is permitted if approved and directed by the Engineer. The suitability



of excavated material will be at the sole discretion of the Engineer and no payment will be made regardless of whether material is placed elsewhere on the project, or hauled to disposal.

#### **7-08.3(1)C Bedding the Pipe**

*Supplement this section with the following:*

Gravel Backfill for Pipe Zone Bedding shall be considered **incidental** to the unit contract price for pipe.

#### **7-08.3(2)F Plugs and Connections**

*Supplement this section with the following:*

##### **Connections**

New storm sewer pipe shall be connected to existing catch basins and manholes per Section 7-05.3(3) "Connections to Existing Manholes" of the Standard Specifications.

Connection of new or existing pipes to a new drainage structure shall be considered incidental to the various unit bid prices for catch basin.

Connection of a new pipe to an existing catch basin shall be considered incidental to the various unit bid prices for storm sewer pipe.

#### **7-08.3(2)G Joining of Dissimilar Pipe**

*Supplement this section with the following:*

All costs necessary to furnish and install the connections between dissimilar pipes shall be considered **incidental** to the unit contract prices of other items in this contract.

#### **7-08.3(3) Backfilling**

*Supplement this section with the following:*

Trenches shall be backfilled with select materials. Select trench backfill material shall be:

Crushed Surfacing Top Course	9-03.9(3)
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#### **7-08.5 Payment**

*Supplement this section with the following:*

All costs associated with Storm Sewer and Catch Basin construction, including but not limited to trench and structure excavation, hand excavation, excavation for fittings, probing and excavations; shoring; purchasing, furnishing, placing and compacting bedding material; pipe laying; purchasing, furnishing, placing and compacting trench backfill; compaction testing; excavation dewatering; plugging existing pipe; connections of pipes and structures; shall be considered incidental to the various bid items.



## **7-09 WATER MAINS**

### **7-09.1 Description**

*Supplement this section with the following:*

In addition to the Standard Specifications, the work shall be in accordance with the Town of Eatonville standards. The Contractor shall not operate any valves or make any connections to the existing water main without prior approval of the Town. Town Maintenance staff shall perform all water main shut-offs. If water main shut-offs are required, the Contractor shall request approval from the Town at least 48 hours in advance of need.

### **7-09.3 Construction Requirements**

#### **7-09.3(9) Bedding the Pipe**

*Supplement this section with the following:*

Bedding shall be considered incidental to the unit contract price for pipe regardless of depth.

Native material shall not be used as pipe bedding. Pipe bedding material shall be in accordance with Section 9-03.3(12)3 Gravel Backfill for Pipe Zone Bedding of the Standard Specifications.

#### **7-09.3(10) Backfilling Trenches**

*Supplement this section with the following:*

Backfill material for water pipe trenches shall be Crushed Surfacing Top Course.

Trenches shall be backfilled to the current working surface. Reestablishment of traffic shall be required prior to final roadwork; therefore the upper trench section shall be backfilled as shown on the Plans as necessary for traffic. Any such temporary patching and continuing maintenance of patching shall be **incidental** to the Work.

Water mains shall be installed with 42-inch minimum finished pipe cover, unless the Engineer determines less cover is adequate where existing facilities not to be relocated might interfere with the pipe laying operation.

#### **7-09.3(19) Connections**

##### **7-09.3(19)A Connection to Existing Mains**

*Supplement this section with the following:*

Connection to the water main for hydrant installations shall be completed by hot tap.

All new sections of pipe shall have passed hydrostatic pressure testing and purity testing prior to connection to the existing system. Hydrostatic pressure testing against closed valves on the existing system is not allowed. The Contractor shall allow for proper testing and draining of the new sections prior to connection to the existing system.



All existing mains shall be kept in operation until the new main has been constructed, satisfactorily tested and disinfected, and is ready for operation. Then connections to the existing system shall be made.

Connection to existing asbestos cement water pipe shall be made in accordance with Section 7-09.3(25) Handling Existing Asbestos Cement Water Pipe.

The Contractor shall verify existing pipeline material, size, pipe outside diameter, and location prior to starting connections to the existing water system. All materials and equipment (including emergency equipment) necessary to expedite the tie-in shall be on hand prior to the shutdown of existing water service or main.

The Contractor shall pressure test, flush, and disinfect the new waterline (with satisfactory results reported from the Health Department lab) prior to performing any connections. Any delays from failed pressure tests or bacteriological tests shall be the Contractor's responsibility and all costs associated therewith shall be borne by the Contractor.

#### **7-09.3(19)B Maintaining Service**

*Supplement this section with the following:*

The Contractor shall be responsible to maintain all existing water services, fire services and hydrants in operation and shall provide temporary service whenever a shutdown exceeds six (6) hours in duration. Continuous operation of the existing water system shall be of critical importance. Connections to existing water mains and services shall be of critical importance. Connections to existing water mains and services shall be in strict accordance with these Special Provisions. The Contractor shall schedule, cause, and control all work which requires shutdown of existing water system and services to be performed and completed so that the shutdown is no longer than 6 hours in duration.

Shutdown of existing waterlines will be performed only by the Town of Eatonville and upon request to the Engineer. Shutdown of service shall be planned in detail with appropriate scheduling of the work and coordination with the Engineer.

Service shutdowns of any duration shall be coordinated with the Engineer and affected property owner(s) at least 48 hours prior to shutdown.

#### **7-09.4 Measurement**

*Supplement this section with the following:*

No measurement or payment will be made for connections to water services or fire services; connections made to customer side of water or fire services; or temporary water connections.

#### **7-09.5 Payment**

*Supplement this section with the following:*

Payment shall be made for the following bid items:

“Class 52 Ductile Iron Pipe for Water Main, 6 In. Diam.”, per linear foot.



"Class 52 Ductile Iron Pipe for Water Main, 6 In. Diam.", per linear foot. The contract bid prices above, including all incidental work, shall be full compensation for all labor, material, tools, equipment; supplying and installing the specified pipe; trench excavation; purchasing, providing, placing, grading, and compacting import trench backfill and pipe bedding; laying and jointing pipes and fittings, concrete thrust blocking, restrained joints; testing; flushing; disinfecting the pipeline; and cleanup necessary to satisfactorily complete the work as defined in the Standard Specifications and these Special Provisions.

## **7-12 VALVES FOR WATER MAINS**

### **7-12.1 Description**

*Section 7-12.1 is supplemented with the following:*

This work shall also consist of adjusting water valve boxes to grade.

*Section 7-12.3(2) is added as follows:*

#### **7-12.3(2) Adjust Existing Valve Box and Manhole to Grade**

Existing valve boxes shall be adjusted to conform to final finished grades. In the event that the existing valve box is plugged or blocked with debris, the Contractor shall use whatever means necessary to remove such debris, leaving the valve installation in a fully operable condition.

Valve boxes shall be set to an elevation tolerance of one-fourth inch (1/4") to one-half inch (1/2") below finished grade.

### **7-12.4 Measurement**

*Section 7-12.4 is revised and supplemented with the following:*

"Adjust Water Valve Box", will be per each and based on the complete existing water valve box adjusted to finished grade per the Standard Plans and Contract.

### **7-12.5 Payment**

*Section 7-12.5 is supplemented with the following:*

"Adjust Water Valve Box", per each, shall be full compensation to perform the Work as specified in the Standards Specifications and Standard Plans including the furnishing, placing, resetting, adjustment of all accessories such as cast iron valve boxes and covers as required to match the new finished grade or pavement elevation. Also included in the unit price are structure excavation, trench backfill and pavement restoration and restoration of adjacent area directly surrounding the water valve box.



## **7-15 SERVICE CONNECTIONS**

### **7-15.1 Description**

*Supplement this section with the following:*

This work shall also consist of adjusting water meter box to grade.

### **7-15.3 Construction Requirements**

*Supplement this section with the following:*

Final adjustment of water meter box shall be smooth and flush with finished grade. The Contractor shall mark the location of all utilities prior to paving the new surface.

Existing box and cover shall be inspected by the Town prior to reuse. Materials in good condition shall be reset in a careful and workmanlike manner to conform to the new grade. Materials determined to be in unsatisfactory or poor condition shall be disposed of by the Contractor and replaced by the respective utility. Any damage to the meter boxes due to the Contractor's operations, shall be repaired at the Contractor's own expense.

Adjustments shall be made using adjustment rings or cement, and the interior of the structure adjustment shall be mortared smoothly. All covers and frames shall be thoroughly cleaned. The Contractor shall be responsible for referencing and keeping a record of such references of all structures and appurtenances encountered, and shall submit a copy of these references to the Engineer.

Structures and appurtenances shall be adjusted to grade in the following manner:

#### Within a HMA Paved Surface

As soon as the street is paved past each structure or appurtenance, the asphalt concrete mat shall be scored around the location of the structure or appurtenance. After rolling has been completed and the mat has cooled, it shall be cut along the scored lines. The structure or appurtenance shall then be raised to finished pavement grade, and the annular spaces filled with control density fill (CDF) to within a minimum of 6 inches of the finished grade. The remaining 6 inches shall be filled and compacted with HMA per Section 5-04 of the Standard Specifications, to give a smooth, finished appearance.

After pavement is in place, all joints shall be sealed with hot asphalt cement (AR 4000W). In areas opened immediately to traffic, a sand blanket shall be placed onto the surface of the hot asphalt sealer (AR4000W) to help alleviate the "tracking" of asphalt sealer.

#### Within a Concrete Surface

Structures shall be adjusted to grade after forms are in place and before the concrete is poured. Backfill shall be crushed surfacing top course in areas of dense concrete.



#### **7-15.4 Measurement**

*Supplement this section with the following:*

Payment shall be made for the following bid item:

“Adjust Water Meter Box”, shall be measured per each.

“Relocate Water Meter Box”, shall be measured per each.

#### **7-15.5 Payment**

*Supplement this section with the following:*

Payment shall be made for the following bid item:

“Adjust Water Meter”, per each.

“Relocate Water Meter”, per each.

The unit Contract price per each for “Relocate Water Meter” shall be full pay for all Work to relocate water meter, furnishing and installing miscellaneous fittings for connections, making connection to customer’s existing service line, and adjusting box to grade.

**END OF DIVISION 7**



## DIVISION 8

### MISCELLANEOUS CONSTRUCTION

#### 8-01 EROSION CONTROL AND WATER POLLUTION CONTROL

##### 8-01.3(8) Street Cleaning

*Supplement this section with the following:*

The Contractor shall be responsible for controlling dust and mud within the project. The Contractor shall be prepared to use watering trucks equipped with high-velocity water jets and low-head sprinkling devices, power sweepers, and any other pieces of equipment necessary to avoid creating a nuisance. All streets used by the Contractor during the execution of the work under this contract shall be maintained in a clean condition. Any damage caused by dust and/or mud shall be the sole responsibility of the Contractor. In no case shall sediment-laden water be allowed to enter drainage facilities without prior filtration or sedimentation.

**The roadways shall be swept daily and as needed, and kept in a clean condition.**

All costs associated with Street Cleaning and Sweeping shall be included in the contract price for "Erosion/Water Pollution Control".

##### 8-01.3(9)D Inlet Protection

*Supplement this section with the following:*

Inlet protection can be in the form of internal devices and shall be installed prior to clearing, grubbing, or earthwork activities. Catch Basin Inserts shall be installed on all new Catch Basins that are constructed as part of this contract.

When the depth of accumulated sediment and debris reaches approximately one-half the height of an internal device or one-third the height of the external device (or less if so specified by the manufacturers), the deposits shall be removed and stabilized on site.

Catch basin inserts shall be installed at all catch basins within project limits and those immediately downstream of the project site that could possibly receive sediment laden runoff from the site. They shall be installed and meet the requirement of the detail in the Plans. Simply placing a piece of geotextile under the catch basin grate is not acceptable.

Catch basin inserts shall be installed, maintained, inspected, and removed by the Contractor per the Standard Specifications and as recommended by the manufacturer.

##### 8-01.3(16) Removal

*Supplement this section with the following:*

##### **Removing Temporary Erosion / Water Pollution Control BMPs**

The Contractor shall remove all temporary erosion / water pollution control BMPs within twenty (20) days after final slope stabilization, landscape restoration, or after the BMPs are no longer



needed. Trapped sediment shall be removed or stabilized on site. On site stabilization will only be permitted if approved by the Engineer.

*Add the following New Section:*

#### **8-01.3(17)          Suspension of Work**

If at any time during the life of this Contract it becomes necessary to suspend work due to weather conditions or other constraints, it shall be the Contractor's obligation to meet the following requirements:

- The Contractor shall remain obligated to meet the Erosion Control and Water Pollution Prevention requirements of the Bid Documents during any suspension of work
- The Contractor shall remain obligated to meet the Temporary Traffic Control (both vehicular and pedestrian) requirements of the Bid Documents during any suspension of work
- The Contractor shall maintain vigilance and maintain a safe project area free of hazards to public safety and shall remedy all hazardous situations immediately.

#### **8-01.4 Measurement**

*Supplement this section with the following:*

No specific unit of measurement shall apply to "Erosion/Water Pollution Control", lump sum.

#### **8-01.5          Payment**

*Supplement this section with the following:*

Payment shall be made for the following bid items:

"Erosion/Water Pollution Control", lump sum.

The lump sum Contract price for "Erosion / Water Pollution Control" shall be full compensation for all labor, materials, tools, and equipment necessary to the installation, maintenance, repair, and removal of erosion and sediment control facilities including but not limited to inlet protection and silt fence as specified on the Plans, these Special Provisions, and Standard Specifications, or as required by the Town Construction Inspector.

"Erosion/Water Pollution Control" shall also be full compensation for all labor, materials, tools, and equipment necessary to meet the project specific SWPPP for which other Bid items are not provided. Installation, repair, maintenance, and removal of erosion control facilities shall be considered incidental to "Erosion / Water Pollution Control".



## **8-02 ROADSIDE RESTORATION**

### **8-02.2 Materials**

*Supplement this section with the following:*

Topsoil Type A	Section 9-14.2(1)
Topsoil Type D	Section 9-14.1(4)
Seed	Section 9-14.3
Bark or Wood Chip Mulch	Section 9.14.5(3)
Tree Watering Bag	Section 9-14.9
Root Barrier	Section 9-14.10

### **8-02.3(1) Responsibility During Construction**

*Supplement this section with the following:*

Dumping or stockpiling of top soil or bark mulch shall not be allowed on roadway surfaces.

The Contractor shall locate all underground utilities (both new and existing) prior to starting work and shall not disturb or damage them. Promptly notify the Engineer of any conflict between the proposed work and any obstructions. The Contractor shall be responsible for making any and all repairs for damage caused by his or her activities.

### **8-02.3(2)A Roadside Work Plan**

*Supplement this section with the following:*

The Contractor shall submit to the Contracting Agency a Roadside Work Plan meeting the requirements of the Standard Specifications a minimum of 30 calendar days prior to commencing the installation of top soil, bark mulch, irrigation systems, and / or landscape materials.

### **8-02.3(4) Topsoil**

*Supplement this section with the following:*

Coordinate installation of topsoil with root barrier installation, where shown on the Plans.

### **8-02.3(4)A Topsoil Type A**

*Supplement this section with the following:*

Topsoil Type A shall conform to Section 9-14.2(1) of these Special Provisions and shall be supplied by a Contractor's supplied source, and as approved by the Engineer.



#### **8-02.3(4)D Topsoil Type D**

*Supplement this section with the following:*

Topsoil Type D shall conform to Section 9-14.2(4) of these Special Provisions and shall be supplied by a Contractor's supplied source, and as approved by the Engineer.

Mixing of Topsoil Type D shall be done off site unless otherwise approved by the Engineer. Mixing typically shall be done in the following manner: the stone shall be spread in a layer, with dry hydrogel spread evenly on top and the screened moist loam as a top layer. The entire pile shall be turned and mixed until a uniform blend is produced. The Topsoil Type D shall be installed and compacted in 6" lifts. This material shall be compacted to not less than 95% Proctor density.

Installation of Topsoil Type D shall be coordinated with sidewalk installation.

#### **8-02.3(6)B Fertilizers**

*Supplement this section with the following:*

Trees and shrubs shall be fertilized at a rate according to manufacturer's recommendations. Fertilizer tablets shall be considered incidental to and included in the unit contract price for plant materials and seeded lawn.

Fertilizers shall be as specified in Section 9-14.4 Fertilizer of these Special Provisions.

#### **8-02.3(8)A Dates and Conditions for Planting**

*Supplement this section with the following:*

All plant material except ground cover shall be legibly tagged. Tagging may be by species or variety with minimum of one tag per ten trees, shrubs, or vines. Remove all tagging prior to final acceptance.

The Contracting Agency shall reserve the option of selecting and inspecting plant material at the nursery. The Contractor shall provide the Contracting Agency with at least one week notice prior to preparing plants for shipping and delivery. The Contractor shall neither deliver to site nor install plant materials until authorized by the Contracting Agency.

If planting is delayed more than 24 hours after delivery, set balled and burlapped plants on the ground, well protected with soil or wet peat. Adequately cover all roots of bare root material with soil or wet peat. Protect rootballs from freezing, sun, drying winds or mechanical damage. Water plant material as necessary until planted.

Plants shall not be stored for more than one week. Longer storage period at project site will result in rejection of plant materials by the Contracting Agency.

#### **8-02.3(8)B Plant Installation**

*Supplement this section with the following:*

All trees and shrubs shall be planted as detailed on the Plans.



Thoroughly scarify sides and bottom of tree planting pit prior to planting. Topsoil Type D shall be used to backfill tree grate pits, as detailed on the Plans

Plant trees upright and face to give best appearance or relationship to adjacent structures and hold rigidly in position until planting soil has been backfilled and tamped firmly around the root ball or roots.

Plant trees in planting pits as detailed on plans.

Balled and burlapped plants shall be placed in the planting pits with the burlap intact; the binding shall be removed and all of the burlap or cloth wrapping materials shall be removed from the root ball. Remove all plastic, twine and ropes. The plant shall be rejected if the root ball is cracked or broken during removal of wrapping or during the planting process.

When the pit is backfilled halfway, place the specified quantity of fertilizer, unless otherwise specified on the plans. Evenly spread fertilizer adjacent to, the root system at a depth that is between the middle and the bottom of the root system. Do not injure root system. Carefully place and compact Topsoil Type D to avoid injury to roots; fill all voids. Tree root crowns to be 1 inch (1") higher than finished grade to allow for settlement.

When pit is three-quarters (3/4) backfilled, completely fill with water and allow water to soak away. If water does not drain within ½ hour notify Engineer; tree planting pits which do not drain properly may require drainrock sump to facilitate drainage. Fill pits with additional Topsoil Type D to finish grade and continue backfilling as detailed on plans.

Install Tree Watering Bag, one each per installed tree, as noted on the Plans and per manufacturer's directions. Tree Watering Bag shall be as specified in Section 9-14.9 Tree Watering Bag of these Special Provisions.

Provide and install Root Barrier where shown and as detailed on Plans. Root Barrier shall be as specified in Section 9-14.10 Root Barrier of these Special Provisions.

### **8-02.3(11)B     Bark or Wood Chip Mulch**

*Supplement this section with the following:*

Bark or Wood Chip Mulch shall be placed where noted on the Plans to a depth no less than two (2) inches. Thoroughly water and hose down plants with a fine spray to wash the leaves of the plants immediately after application.

Bark Mulch shall meet the requirements of Section 9-14.5(3) Bark or Wood Chips of these special provisions.

### **8-02.3(13) Plant Establishment**

*Supplement this section with the following:*

Plant establishment shall consist of caring for all plants planted on the project and the planted and lawn areas within the project limits for one calendar year, per Section 8-02.3(13) and 8-02.3(16) of the Standard Specifications. The Contractor shall guarantee and warranty all plant



materials covered under this Contract for a period of one year. The Contractor is required to submit a plant establishment and maintenance plan for the calendar year.

Maintenance plan and activities shall include, but not limited to:

1. Removing and replacing dead plants; plant replacements shall be per Section 8-02.3(14) of the Standard Specifications.
2. Pruning, cultivating fertilizing and performing other necessary operations for healthy and continued growth of plant material.
3. Maintaining and adjusting staking materials, supports, guys, intact and in good serviceable condition.
4. Weeding all planting areas minimum three (3) times per month from May 1<sup>st</sup> to September 31<sup>st</sup>.
5. Perform other work, including but not limited to eradication of weeds to maintain all planting areas in a healthy, vigorous and weed-free condition throughout the Plant Warranty Period.
6. Maintaining and refilling Tree Watering Bags weekly from May 1<sup>st</sup> to September 31<sup>st</sup>.

The plant establishment shall begin immediately upon written notification from the Engineer of the acceptance of initial planting for the entire project.

During the plant establishment period the Contractor shall meet with the Town monthly for the purpose of jointly inspecting the plant material.

Plant establishment shall be paid for under the contract price for "PSIPE\_\_\_\_\_" per each.

*Add the following New Section:*

### **8-02.3(17) Protection of Private Property and Property Restoration**

Property restoration shall consist of placement of additional plant materials, sod, seed, bark mulch, slope restoration behind sidewalks, timber edgings, relocating private fencing, and other work not currently identified on the plans, as directed by the Engineer.

All materials shall conform to Sections 9-14 Erosion Control and Roadside Planting and 9-15 Irrigation System of the Standard Specifications.

The Contractor is specifically reminded that any unnecessary damage caused by construction activities will be repaired at the Contractor's expense.

Restore all disturbed areas to original condition or better. Grass areas shall be restored with hydroseed where directed.

Removal of tree roots outside the limits of construction, as directed by the Engineer and under the supervision of a certified arborist, shall be paid for under "*Property Restoration*".

Topsoil shall be Type A and Bark Mulch shall be medium grade fir or hemlock.



The force account item provided for property restoration also includes any adjustments and/or replacements of existing irrigation systems not covered under Section 8-03 Irrigation Systems of the Special Provisions. This work shall also consist of modifying existing landscape lighting systems as may become necessary by these improvements.

The Contractor is advised that protecting existing private irrigation and lighting systems from damage does not constitute a basis for claim or extra work. "*Property Restoration*" has been provided as a basis for modifications or improvements to private lighting systems and irrigation systems that may become necessary but could not be foreseen prior to construction.

#### **8-02.4 Measurement**

*Supplement this section with the following:*

The pay quantities for the plant materials will be determined by count of the number of satisfactory installed trees, shrubs and other landscape materials accepted by the Engineer.

"Topsoil Type A", "Topsoil Type D", and "Bark or Wood Chip Mulch" will be measured by the cubic yard in the haul conveyance at the point of delivery.

"Seeded Lawn Installation" will be measured by the square yard along the ground slope line of actual lawn installed and accepted by the Engineer.

"Tree Watering Bag" will be measured per each watering bag installed and accepted by the Engineer.

"Root Barrier" will be measured by the linear foot of root barrier installed and accepted by the Engineer.

#### **8-02.5 Payment**

*Supplement this section with the following:*

Payment shall be made for the following bid items:

"Property Restoration", per force account

"Topsoil Type A, per cubic yard

"Topsoil Type D, per cubic yard

"Bark or Wood Chip Mulch", per cubic yard

The unit contract price per cubic yard for "Topsoil Type A", "Topsoil Type D" and "Bark or Wood Chip Mulch" shall be full compensation for all costs necessary to furnish and place the soils and mulch as required in these Specifications or as shown in the Plans.

"Seeded Lawn Installation", per square yard

"PSIPE\_\_\_\_", per each



The unit contract price for "PSIPE\_\_\_\_", per each, shall be full compensation for all materials, labor, tools, equipment, and supplies necessary to fine grade, produce, plant, cultivate and cleanup for the particular items called for in the plans. Tree staking/bracing and fertilizer shall be incidental to the above bid items and all costs shall be included in the unit contract prices. All costs associated with the maintenance of the landscaping, including refilling Tree Watering Bags, weeding, mowing, pruning and caring for planted areas, during the first-year plant establishment shall be considered incidental to and included in the unit contract price for "PSIPE\_\_\_\_", per each.

"Tree Watering Bag", per each

"Root Barrier", per linear foot

## **8-04 CURBS, GUTTERS, AND SPILLWAYS**

### **8-04.4 Measurement**

*Supplement this section with the following:*

"Cement Conc. Extruded Curb" shall be measured per linear foot.

### **8-04.5 Payment**

*Supplement this section with the following:*

Payment shall be made for the following bid items:

"Cement Conc. Extruded Curb", per linear foot.

## **8-14 CEMENT CONCRETE SIDEWALKS**

### **8-14.1 Description**

*Supplement this section with the following:*

This Work shall consist of constructing and installing cement concrete sidewalks, concrete pavers with cement concrete slab, and curb ramps with detectable warning surfaces, and concrete stairs and landing.

This work shall also include installing tree grates frames in cement concrete sidewalk behind cement concrete curb and gutter at the locations shown and as detailed on the Plans and as specified herein.

### **8-14.2 Materials**

*Supplement this section with the following:*

#### Detectable Warning Surface

Detectable warning surface shall be 24 inch x 24 inch in "Dark Grey" (Federal Color No. 36118).



Provide detectable warning surfaces which comply with the detectable warnings on walking surfaces section of the Americans with Disabilities Act (Title III Regulations, 28 CFR Part 36 ADA STANDARDS FOR ACCESSIBLE DESIGN, Appendix A, Section 4.29.2 DETECTABLE WARNINGS ON WALKING SURFACES).

Vitrified Polymer Composite (VPC) cast in place warning tiles shall include continuous strand woven fiberglass sheet matrix embedded within an epoxy polymer composition with a ultra-violet coating employing aluminum oxide particles in the truncated domes. The tile shall incorporate an in-line pattern of truncated domes measuring nominal 0.2" height, 0.9" base diameter, and 0.45" top diameter, spaced center-to-center 2.35" to 2.40 as measured "In Line". For wheelchair safety the field area shall consist of a non-slip surface with a minimum of 40 - 90° raised points 0.045" high, per square inch.

Detectable warning surface shall be held within the following dimensions and tolerances:

- Depth: 1.375 (1-3/8") (+/-) 5% max.
- Face Thickness: 0.1875 (1-3/8") (+/-) 5% max.
- Warpage of Edge: 0.5% max.
- Embedment Flange Spacing: shall be no greater than 3.1"

#### Concrete Pavers

Concrete pavers shall be precast concrete pavers in warm brown/rust/tan color tones and manufactured to industry standard specifications ASTM: C936 and CSA: A 231.2, Dimensions shall be 7-7/8"x3-15/16", 2-3/8" thickness.

#### Mortar

Mortar for concrete paver shall be a thick bed latex portland cement mortar, and shall conform to ASTM C 150 and ANSI 118.4, for exterior application. Mortar shall be combined with a latex admix, specifically for use with thin-set mortars, cement grouts, and cement mortar beds.

Performance properties of the latex portland cement mortar and latex admix shall comply with the following:

- Water Absorption: ANSI A118.6-4.4 < 5%
- Compressive Strength: ANSI A118.4-6.1 4000-5000 psi (33.8-34.5 MPa)
- TCA Service Rating: ASTM C-627 Extra HeavyColored mortar shall be DesignMix professional grade colored mortar mix, color 'Khaki' available from Mutual Materials (425) 452-3200 and shall comply to ASTM C270, or approved equal.

#### Grout

Grout for concrete paver shall be a tri-poly fortified sanded grout, combined with a latex or acrylic admixture. Grout shall conform to ANSI A118.7-1999. Color shall be "Light Warm Gray".



### **8-14.3 Construction Requirements**

*(April 3, 2017 WSDOT GSP)*

*Section 8-14.3 is supplemented with the following:*

The Contractor shall request a pre-meeting with the Engineer to be held 2 to 5 working days before any work can start on cement concrete sidewalks, curb ramps or other pedestrian access routes to discuss construction requirements. Those attending shall include:

1. The Contractor and Subcontractor in charge of constructing forms, and placing, and finishing the cement concrete.
2. Engineer (or representative) and Project Inspectors for the cement concrete sidewalk, curb ramp or pedestrian access route Work.

Items to be discussed in this meeting shall include, at a minimum, the following:

1. Slopes shown on the Plans.
2. Inspection
3. Traffic control
4. Pedestrian control, access routes and delineation
5. Accommodating utilities
6. Form work
7. Installation of detectable warning surfaces
8. Contractor ADA survey and ADA Feature as-built requirements
9. Cold Weather Protection

#### Detectable Warning Surface

Detectable warning surface shall be installed in cast in place concrete per manufacturer's recommendations.

Submit two (2) detectable warning surface samples minimum 12"x12" for Engineer's approval prior to installation. Submit product information (technical specifications) and proposed procedure and methods for concrete preparations for Engineer's approval prior to mock-up sample installation.

Detectable warning surface shop drawings are required for products specified showing fabrication details, composite structural system, tile surface profile, sound on cane contact amplification feature, plans of tile placement including joints, and material to be used as well

Submit complete test reports from qualified accredited independent testing laboratories to qualify that materials proposed for use are in compliance with requirements and meet or exceed the properties indicated on the specifications. All tests shall be conducted on a cast in place detectable warning surface system as certified by a qualified independent testing laboratory.

Submit copies of detectable warning surface manufacturer's specified installation and maintenance practices for detectable warning surface and accessory as required for Engineer's approval.



Provide cast-in-place detectable warning surface system and accessories as produced by a single manufacturer with a minimum of five (5) years' experience in the manufacturing of cast in place detectable warning surface system.

Engage an experienced installer certified in writing by cast-in-place detectable warning surface manufacturer as qualified for installation, who has successfully completed installations similar in material, design, and extent to that indicated for Project.

### Concrete Paver

Contractor shall ensure proper installation and coordination of cement concrete rat slab base, Concrete paver and adjacent cement concrete sidewalk work. Concrete paver shall be installed as shown on the Plans and as specified in these Special Provisions. All installation shall be in a neat, craftsmanship manner. Engineer shall verify in the field location of sidewalk form work adjacent to concrete paver prior to installation of Concrete Paver.

Contractor shall submit layout and shop drawings showing complete dimensions, color information and details of concrete paver installation. Materials being used shall be specified in shop drawings. Contractor shall also submit material sample of (1) one concrete paver, grout, and mortar for Engineer's approval prior to installation.

### Job Conditions

The Contractor shall be responsible for delivering concrete paver to the site undamaged. Any damaged or blemished materials shall be rejected and replaced at the Contractor's expense.

- Hot weather: Comply with the recommended practice of ACI 305R and the requirements specified herein.
- Cold Weather: Comply with the recommended practice of ACI 306R and the requirements specified herein.

All concrete and pavements shall be free of depressions; puddling shall not be allowed to occur.

### Concrete Paver Installer's Qualifications

Qualified and competent workman shall have a minimum five (5) years of work experience for same paving type installation, and placement of concrete.

### Mock-Up Sample

Prior to start of pavement work the Contractor shall provide a minimum 4'x6' (24 square feet) mock-up of concrete paver showing full installation, to be approved by the Engineer. The mockups shall demonstrate condition at interface of concrete paver and adjacent cement concrete sidewalk. The approved sample shall be the standard for the balance of the rest of the work installed, and shall be protected from damage until final acceptance and approval.

Cement concrete sidewalk thickness and finishes shall be as shown on the Plans.



Full depth expansion joints for cement concrete sidewalk shall be constructed with a maximum spacing of 15 feet, and as detailed on the Plans. Asphalt mastic joint fillers in the sidewalk shall be 3/8" x 4" and of the same material as that used in the curb, and shall be placed in the same location as that in the curb.

No concrete for sidewalk shall be poured against dry forms or dry subgrade.

The Contractor may provide suitable vibrating finishers for use in finishing concrete sidewalks. The type of vibrator and its method of use shall be subject to the approval of the Engineer.

All completed work shall be so barricaded as to prevent damage by unauthorized use. Any damaged sections shall be removed and replaced at the Contractor's expense. Landscaped areas disturbed during construction shall be restored to original condition.

Concrete stairs and landing shall be constructed per the detail in the Plans. Contractor will field verify elevation differential required to construct the concrete stairs and landing to meet Town of Eatonville codes.

#### **8-14.3(4) Curing**

*Supplement this section with the following:*

The Contractor shall use the curing materials and procedures specified in section 5-05.3(13) Curing, except that the Contractor shall use clear curing compound instead of white pigmented curing compound.

The Contractor shall apply curing agent immediately after brushing and maintain it for a period of five (5) days.

During the curing period the Contractor shall exclude all pedestrian and vehicular traffic. The Engineer may also exclude vehicular traffic.

Protection of concrete: The Contractor is responsible for barricading, patrolling or otherwise protecting newly placed concrete. The Contractor shall remove and replace at his expense all damaged (accidental or otherwise), vandalized and/or unsightly concrete.

#### **8-14.3(5) Detectable Warning Surface**

The first paragraph of Section 8-14.3(5) is revised to read:

*(January 13, 2021 WSDOT GSP)*

The detectable warning surface shall be located as shown in the Contract Plans or Standard Plans. Placement of the detectable warning surface shall be in accordance with the manufacturer's recommendation for placement in fresh concrete, before the concrete has reached initial set, or on a hardened cement concrete surface. Glued or stick down detectable warning surfaces are allowed on asphalt surfaces only for temporary work zone applications.



#### 8-14.4 Measurement

*Supplement this section with the following:*

Sidewalk shall not be measured for payment within cement concrete driveway entrances nor curb ramps.

“Cement Conc. Sidewalk” shall be measured by the square yard of installed and finished surface, including installation of tree grate frames in cement concrete sidewalk.

“Concrete Pavers” shall be measured by the square yard of installed concrete paver surfaces area, including mortar, grout and cement concrete base.

Curb ramps shall be measured separately from sidewalks. Cement Conc. Curb Ramp Type \_\_\_\_ will be measured per each for the complete curb ramp type installed, including any adjacent pedestrian curbs, and purchasing, furnishing and installing the detectable warning surface.

Concrete Stairs and Landing will not be measured, but payment will be for all work associated with the construction of the stairways and landings at nine (9) locations as shown in the Plans. Associated handrail will be measured and paid for under “Handrail” per linear foot.

#### 8-14.5 Payment

*Supplement this section with the following:*

Payment shall be made for the following bid items:

“Cement Conc. Sidewalk”, per square yard.

The unit contract bid price for “Cement Conc. Sidewalk” shall be full compensation for all labor, tools, and equipment necessary to satisfactorily complete the work as detailed on the Plans, defined in the Standard Specifications and these Special Provisions including but not limited to joints, curing, forms, adjustment of forms, thickened edges, tree grate frame installation, scoring and finishes.

“Concrete Pavers”, per square yard.

The unit contract bid price for “Concrete Paver” shall be full compensation for all labor, tools, and equipment necessary to satisfactorily complete the work as detailed on the Plans, defined in the Standard Specifications and these Special Provisions including but not limited to forms for cement concrete base, concrete paver, cement concrete base, slurry bond coat, mortar setting bed, grout joints, expansion joint filler, and joint sealer.

“Cement Conc. Curb Ramp Type \_\_\_\_”, per each.

The unit Contract price for “Cement Conc. Curb Ramp Type \_\_\_\_” shall be full pay for all equipment, tools, labor, and materials required for the complete installation of cement concrete curb ramp including but not limited to forms, form adjustments, concrete, detectable warning surface, any associated adjacent cement concrete pedestrian curbs, expansion joints, finishing, excavation, spoils haul and disposal.



“Concrete Stairs and Landing”, per lump sum.

The lump sum price for “Concrete Stairs and Landing” shall be full pay for all equipment, tools, labor, and materials required for the complete installation of cement concrete stairs and landing at nine (9) locations as shown in the Plans, including but not limited to forms, form adjustments, concrete, cement concrete curb, rebar, expansion joints, and finishing.

## **8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, ELECTRICAL**

### **8-20.1 Description**

*Supplement this section with the following:*

Work includes furnishing and installing all materials necessary to provide:

1. Installation of new Decorative Illumination system s and spare conduit systems on Washington Avenue (SR-161) including connection to existing systems
2. Relocating privately owned luminaires in conflict with proposed improvements.
3. Installation of Rectangular Rapid Flashing Beacons (RRFB) System
4. Installation of School Zone Beacons (SCH) System

All work shall be performed as shown in the Plans in accordance with applicable Standard Specifications and Standard Plans included herein and the following Special Provisions. Work shall include the supply, testing, and installation of all

The work involves, but shall not be limited to, the following:

1. Electrical service cabinet, foundation, connections
2. Decorative Roadway Luminaire Poles and Bases
3. Decorative Pedestrian Luminaire Poles and Bases
4. Decorative Pedestrian Luminaires
5. Junction boxes
6. Conduit and wire
7. Rectangular Rapid Flashing Beacon (RRFB) Equipment
8. School Zone Beacon (SCH) Equipment

### **8-20.1(1) Regulations and Code**

*Supplement this section with the following:*

All required materials and methods, unless otherwise superseded herein, shall conform to the 2022 edition of the Washington State Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction (herein referred to as Standard Specifications), to the latest edition of the State of Washington Standard Plans for Road, Bridge, and Municipal Construction (herein referred to as the Standard Plans), to the State of Washington Sign Fabrication Manual, to the latest edition of the National Electric Code (NEC), and to the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) as adopted by the State of Washington.



Where applicable, materials shall conform to the latest requirements of the Washington State Department of Labor and Industries.

Delete the first sentence of the first paragraph of Section 8-20.1(1) and replace with the following:

All electrical equipment shall conform to the standards of the National Electrical Manufacturers Association (NEMA), FHWA IP-78-16, the Radio Manufacturers Association, the American Society for Testing and Materials (ASTM), the American Association of State Highway and Transportation Officials (AASHTO), the American National Standards Institute (ANSI), the National Electrical Safety Code (NESC), the International Municipal Signal Association (IMSA), whichever is applicable, and to other codes listed herein.

#### **8-20.1(2) Industry Codes and Standards**

*The following is added at the end of the first paragraph of this section:*

National Electrical Safety Code (NESC), Secretary NESC, NESC Committee, IEEE Post Office Box 1331445 Hoes Lane, Piscataway, NJ 08855-1331.

#### **8-20.1(3) Permitting and Inspection**

*Supplement this section with the following:*

The Contractor shall be responsible for coordinating, obtaining, and paying for all permits, including electrical service applications, necessary to complete the work in a timely fashion. All required electrical permits shall be obtained before beginning trench excavation.

The Contractor shall be responsible for obtaining an electrical permit from the Town. All costs to obtain and comply with electrical permits shall be included in the applicable bid items for the work involved.

#### **8-20.1(4) Errors and Omissions**

Section 8-20.1(4) is added as follows:

The Contractor shall immediately notify the Engineer upon discovery of any errors or omissions in the Contract Documents, in the layout as given by survey points and instructions, or of any discrepancy between the Contract Documents and the physical conditions of the locality. If deemed necessary, the Engineer shall rectify the matter and advise the Contractor accordingly. Any work done after such discovery without authorization by the Engineer will be done at the Contractor's risk.

#### **8-20.2 Materials**

Section 8-20.2 is supplemented with the following:

Material requirements for signal, illumination and communication systems are contained in Section 9-29 of the Standard Specifications and Section 9-29 of these Special Provisions.

The Engineer reserves the right to inspect the manufacturing process of all materials. Final inspection and acceptance of the installed materials will not be given until final installation and



testing has been completed on the systems. Approval to install materials and equipment must be obtained from the Engineer at the job site before installation.

Controlled density fill shall meet the requirements of Section 2-09.3(1)E of the Standard Specifications.

Crushed surfacing top course and crushed surfacing base course shall meet the requirements of Section 9-03.9(3) of the Standard Specifications.

Bedding material shall consist of 5/8-inch minus crushed rock free of any deleterious substances per Section 9-03.1(5)A of the Standard Specifications.

### **8-20.2(1) Equipment List and Drawings**

*The first paragraph is deleted and replaced with the following:*

Delete the first paragraph of Section 8-20.2(1) and replace it with the following:

Within 20 calendar days following execution of the Contract, the Contractor shall submit to the Engineer a completed "Request for Approval of Material" that describes the material proposed for use to fulfill the Plans and Specifications

Delete the fifth paragraph of Section 8-20.2(1) and replace it with the following:

Shop drawings for lighting standards shall be provided in an electronic format (AUTOCAD Release 2009 or later), as well as complying with Section 6-03.3(7) of the Standard Specifications.

Manufacturer's technical information shall be submitted for all poles, luminaires, push buttons, wire, conduit, junction boxes, vaults, cabinets, and all other items to be used on the Project. Final ground and roadway cross sections at the locations of the standards shall be submitted for approval along with the shop drawings. All approvals by the Engineer must be received by the Contractor before material will be allowed on the job site. Materials not approved will not be permitted on the job site.

The Engineer shall have fourteen (14) calendar days to review information for each submittal that is made. Approval of shop drawings does not constitute final acceptance or guarantee of the material, but is solely to assist the Contractor in providing the specified materials.

All shop drawings for luminaire poles that are not listed on the WSDOT Pre-Approved Plans shall be stamped by a State of Washington registered Structural Engineer.

For each proposed material that is required to be submitted for approval using either the QPL or RAM process the Contractor will be allowed to submit for approval two materials per material type at no cost. Additional materials may be submitted for approval and will be processed at a cost of \$100.00 per material submitted by QPL submittal and \$300.00 per material submitted by RAM. All costs for processing additional materials will be deducted from monies due or that may come due to the Contractor. Subject to a request by the Contractor and a determination by the Engineer the costs for processing may be waived.



**Manufacturer's data for all materials proposed for use in the contract which require approval shall be submitted in one complete package.**

### **8-20.3 Construction Requirements**

*Section 8-20.3 is supplemented with the following:*

#### **Power Source Coordination**

The Contractor shall coordinate all of the installation details for the electrical service cabinet(s) with Town of Eatonville Power Within four (4) weeks after Notice to Proceed, the Contractor shall meet with a Town of Eatonville Power Representative (call 1-888-321-7779) in the field to verify the location of power source as shown in the Plans and shall notify the Engineer immediately if any conflicts exist. Except for the service connection, the PSE portion of the installation shall be completed prior to installation of the service cabinet by the Contractor.

### **8-20.3(1) General**

*Supplement this section with the following:*

#### **Delivery of Removed Items**

The Engineer shall decide the ownership of all salvaged signal materials. All salvaged signal materials not directed by the Engineer to remain property of the Town shall become the property of the Contractor.

Removed electrical equipment which remains the property of the Contracting Agency shall be delivered to:

Eatonville Power & Light Department  
Attn: Dan Sharpe  
370 Mashell Ave S,  
Eatonville, WA 98328  
Phone: (253) 278-3905

Forty eight (48) working hours advance notice shall be communicated to the Engineer and the Power & Light Department at the address listed above. Delivery shall occur during the hours of 8:00 a.m. to 2:00 p.m. Monday through Friday. Material will not be accepted without the required advance notice.

Equipment damaged during removal or delivery shall be repaired or replaced to the Engineer's satisfaction at no cost to the Contracting Agency.

The Contractor shall be responsible for unloading the equipment where directed by the Engineer at the delivery site.

Removals associated with the electrical system shall not be stockpiled within the job site without the Engineer's approval.

#### **Contractor Owned Removals**



All removals associated with an electrical system, which are not designated to remain the property of the Contracting Agency, shall become the property of the Contractor and shall be removed from the project.

The Contractor shall:

1. Remove all wires for discontinued circuits from the conduit system or as directed by the Engineer.
2. Remove elbow sections of abandoned conduit entering junction boxes or as directed by the Engineer.
3. Remove abandoned conduit encountered during excavation to the nearest outlets or as directed by the Engineer.
4. Remove foundations entirely, unless the Plans state otherwise.
  - a. Backfill voids created by removal of foundations and junction boxes.
  - b. Backfilling and compaction shall be performed in accordance with Section 2-19 09.3(1)E.

### **8-20.3(2) Excavating and Backfilling**

Section 8-20.3(2) is supplemented with the following:

Underground utilities of record are shown on the construction plans insofar as information is available. These, however, are shown for convenience only and the Contracting Agency assumes no responsibility for improper locations or failure to show utility locations on the construction plans.

The location of existing underground utilities, when shown on the plans, is approximate only, and the Contractor shall be responsible for determining their exact location. The Contractor shall check with the utility companies concerning any possible conflict prior to commencing excavation in any area, as not all utilities may be shown on the plans.

The Contractor shall be responsible for potholing for conflicts with underground utility locations. Prior to construction, if any conflicts are expected, it shall be brought to the attention of the Engineer for resolution.

Potholing of conflicting utilities shall be required for all directional boring operations. Prior to construction, if any conflicts are expected, it shall be brought to the attention of the Engineer for resolution. All potholing shall for installation of signal and illumination equipment shall be paid per section 8-20.5 of these Special Provisions.

The Contractor shall be entirely responsible for coordination with the utility companies and arranging for the movement or adjustment, either temporary or permanent, of their facilities within the project limits.

Before beginning any excavation work for foundations, junction boxes or conduit runs, the contractor shall confirm that the location proposed on the Contract Plans does not conflict with utility location markings placed on the surface by the various utility companies. If a conflict is identified, the following process shall be used to resolve the conflict:

1. Contact the Engineer and determine if there is an alternative location for the foundation, junction box, or conduit trench.



2. If an adequate alternate location is not obvious for the underground work, select a location that may be acceptable and pothole to determine the exact location of other utilities. Potholing must be approved by the Engineer.
3. If an adequate alternate alignment still cannot be identified following potholing operations, the pothole area should be restored and work in the area should stop until a new design can be developed.

The Contractor shall not attempt to adjust the location of an existing utility unless specifically agreed to by the utility owner.

**Open trenching will not be allowed across SR161. From crossing SR161 Contractor shall bore conduit.**

### **8-20.3(2)A Trench and Backfill**

Section 8-20.3(2)A is added as follows:

The Contractor shall provide trenching as specified herein, regardless of the material encountered, as necessary for complete and proper installation of the illumination and Trenching shall conform to the following:

#### **Uniform Construction**

Trenching for conduit runs shall be done in a neat manner, and the trench bottom shall be graded to provide a uniform grade, with a width and depth as specified herein. All trenches for placement of conduit shall be straight and as narrow in width as practical to provide a minimum of pavement disturbance.

#### **Trench Inspection**

No work shall be covered until it has been examined by the Engineer or Inspector. Earth which fills around and over the conduit shall be free of rocks greater than 2 inches up to a depth of 6 inches. When trenching is being accomplished within the sidewalk area, the backfill can be made with acceptable materials from the excavation and shall be considered a necessary part of, and incidental to the excavation in accordance with the Standard Specifications. Hauling and disposal of un-used excavation material shall be incidental to the cost of trenching or excavating. The compaction requirements for the roadway backfill shall apply.

#### **Trench Depth**

Trench depth shall provide 24 inches minimum of cover over all conduits unless agreed to otherwise by the Engineer.

#### **Trench Width**

The trench width shall be 12 inches or the conduit diameter plus 2 inches, whichever is larger.

#### **Trenching in Landscaped Areas**

Trenches shall be placed to have minimum impact on existing landscaping and irrigation systems. Any damage due to the Contractor's operation shall be repaired or replaced by the Contractor at his own expense and to the satisfaction of the Engineer.



### **8-20.3(4) Foundations**

*Supplement this section with the following:*

**Lateral bearing pressure is assumed to be 1000 psf. Contractor shall coordinate with owner's Geotechnical Engineer and determine exact lateral bearing pressure prior to excavating for foundations. Final foundation depths shall be approved by the Engineer prior to excavating for foundations.**

Concrete shall be placed against undisturbed earth if possible. Disturbed earth or backfill material shall be compacted to ninety-five (95) percent of the material's maximum density. Before placing the concrete, the Contractor shall block-out around any other underground utilities that lie in the excavated base so that the concrete will not adhere to the utility line. Concrete foundations shall be troweled, brushed, edged and finished in a workmanship-like manner. Concrete shall be promptly cleaned from the exposed portion of the anchor bolts and conduit after placement. After the specified curing period, the Contractor may install the applicable device thereon.

The void between the foundation and the pole flange shall be no larger than 2 inches and shall be completely filled around the conduit(s) with dry pack mortar and neatly troweled. A plastic drain, 1/2 inch diameter, shall be placed in the mortar to provide drainage from the interior of the pole to the exterior. The plastic drain pipe shall be neatly trimmed flush with the surfaces.

Luminaire Pole foundations within the sidewalk area shall be constructed per Plan details.

Electrical Service Cabinet foundation shall be constructed per WSDOT Std. plan J-10.10.

Rectangular Rapid Flashing Beacon (RRFB) and School Zone Beacon (SCH) Pole foundations shall be constructed per Plan details.

### **8-20.3(5) Conduit**

#### **8-20.3(5)A General**

*Supplement this section with the following:*

All conduit trenches shall be straight and as narrow in width as is practical to provide a minimum of pavement disturbance.

When conduit risers are installed, they shall be attached to the pole every 4 feet and shall be equipped with weather heads.

All conduits shall be clearly labeled at each junction box, handhole, vault or other utility appurtenance. Labeling shall be permanent and shall consist of the owner/type name and a unique conduit number or color. The owner name shall be approved by the Engineer prior to starting work. The recommended owner/type abbreviations are:



All conduit installed underground shall have polyethylene underground hazard marking tape, 6 inches wide, red, legend "Caution-Electric Line Buried Below," placed approximately 12 inches above the conduit.

### **8-20.3(5)A3    Damaged or Blocked Conduits**

Section 8-20.3(5)A3 is added as follows:

Damaged or blocked conduits shall be repaired by the Contractor. The Contractor shall attempt to remove debris in the conduit by blowing in air. The Contractor shall be careful not to blow air towards the service or controller cabinet. If the blockage doesn't break free, the Contractor shall identify the potential blocked/damaged location using a fish tape. Once the blockage location is identified, the Contractor shall attempt to remove the existing cabling (if any) from the conduit. If the cabling is removed, the Contractor shall attempt to pass a fish tape through the conduit again. If the fish tape passes through the conduit past the identified blockage point easily, the Contractor shall attempt to reinstall all existing cabling along with the new cabling called out in the Contract Plans.

If the existing cabling cannot be removed, or reinstalled after removal, the Contractor shall excavate down to the conduit blockage point and repair the conduit break. The Contractor shall obtain approval from the Engineer prior to removing existing cabling or beginning excavation. All cabling shall be removed from the conduit prior to repairing the broken conduit. Once the conduit is repaired, the Contractor shall restore the disturbed area. The removal of cable, excavation, conduit repair, and surface restoration will be paid for by change order or Minor Change as determined by the Engineer. The cost for other work needed to identify and remedy blocked conduits as described in this Section shall be incidental.

### **8-20.3(5)B    Conduit Type**

*Supplement this section with the following:*

All conduits for installations shall be Schedule 80 polyvinyl chloride (PVC).

### **8-20.3(5)E3    Boring**

*Supplement this section with the following:*

Should the contractor elect to utilize a boring method of installation, they shall first obtain approval by the Contracting Agency before proceeding. The Contracting Agency reserves the right to require open trench excavation.

A complete set of as-built plans showing all bores (successful and failed) within 10 calendar days of completing the boring shall be submitted to the Engineer. The plans shall be copies of the Contract Plans and include roadway profile, cross-section, boring location and subsurface conditions. The plans must include elevations of the installation.

### **8-20.3(6)    Junction Boxes, Cable Vaults, and Pull Boxes**

*Supplement this section with the following:*

All junction boxes and associated concrete pads shall be installed on compacted sub grade which shall include six inches of 5/8th-inch minus crushed surfacing top course material



installed under and around the base of the junction box. The junction box shall include installation of a 4" thick Class "B" cement concrete pad enclosing the junction box as per the Plans, specifications and detail sheets. Concrete shall be promptly cleaned from the junction box frame and lid.

If junction boxes are placed in the sidewalk, they shall not be placed closer than 12 inches from the edge of any sidewalk or sidewalk joint. The frame and lid shall be from 0 to 3/16 inch below a straight edge laid across the sidewalk, and the lid shall be flat to a maximum of 1/16 inch positive camber. Pre-molded joint filler for expansion joints shall be placed around junction boxes installed in sidewalks. All junction boxes placed in the sidewalks shall have skid resistant lids and frames.

Junction boxes shall have galvanized steel locking lids and frames.

Wiring shall not be pulled into any conduit until all associated junction boxes have been adjusted to or installed in their final grade and location, unless installation is necessary to maintain system operation. If wire is installed for this reason, sufficient slack shall be left to allow for final adjustment.

The Contractor shall not damage any existing conduits when replacing or excavating existing junction boxes. The Contractor is to maintain the integrity of all junction boxes during reconfiguration of the conduits, installation of new conduits or when excavating.

### **8-20.3(8) Wiring**

*Section 8-20.3(8) is supplemented with the following:*

All illumination circuits shall be labeled with a PVC marking sleeve bearing the circuit number at each junction box whether splices are present or not. Terminal strips in cabinets, or when used as a connection device between conductors, shall bear the circuit numbers.

### **8-20.3(9) Bonding, Grounding**

*Supplement this section with the following:*

All street light standards and other standards on which electrical equipment is mounted shall be grounded to a copper clad metallic ground rod 5/8" in diameter x 8'0" in length complete with a #8 AWG bare copper bonding strap located in the nearest junction box.

Ground rods are considered miscellaneous items and all costs are to be included within the Bid Items in the proposal.

Polyester detectable pull tape shall not be connected to the equipment grounding system.

The Contractor shall provide and install bonding and grounding wires as described in Standard Specifications and the National Electric Code for any new metallic junction box and any modified existing junction boxes. For the purposes of this section, a box shall be considered "modified" if new current-carrying conductors are installed, including low-voltage conductors, or if the box is adjusted to grade, or if the box lid is modified.



### **8-20.3(10) Service, Transformer, and Intelligent Transportation System (ITS) Cabinets**

*Section 8-20.3(10) is revised by deleting the second and third paragraphs and supplement with the following:*

Electrical service cabinet shall be single phase 120/240 Volt, 3 wire 60 cycle A.C. (street lighting contactor, grounded neutral service).

The service points shall be as noted on the Plans and shall be verified with the electrical servicing utility (the Contractor to coordinate a power service point availability, with a power company).

The Contractor shall install new conduit, as shown on the Plans, from the new electrical service cabinet to power source (coordinate work with Power Company Representative prior to cabinet base installation). In addition, the Contractor shall provide service conductors from the electrical service to the power source with at least 20 feet of service wire coiled and coordinate the connection with Puget Sound Energy Representative. All connections and interfacing with the servicing Power Company shall conform to Power Company requirements.

The Contractor shall have all services inspected by the Power Company Representative Inspector and shall be solely responsible for coordination with the power company to have the service energized. The Contractor shall notify the Town Inspector when the service is ready for connection and shall coordinate with Power Company Representative. The Contractor shall pay all connection fees.

All service cabinets shall be shipped and delivered to the job site in a protective covering with suitable dunnage to prevent damage to the exterior surface.

### **8-20.3(11) Testing**

*Section 8-20.3(11) is supplemented with following:*

All work shall be completed in a manner that provides the Inspector and Engineer with full knowledge of the construction. The work shall proceed in accordance with the approved construction schedule previously supplied to and approved by the Town. The Inspector and Engineer may, at their option, require work completed without their knowledge or inspection to be dismantled so that it can be inspected to their satisfaction.

Prior to schedule of turn-on, an electrical inspection must be passed with a copy of the Electrical Control Permit in the service cabinet.

### **8-20.3(13) Illumination Systems**

*Supplement this section with the following:*

The existing lighting system on the west side of SR161 shall remain operational until the Contractor has energized the New illumination system on the east side of SR161.

All existing lighting systems that are specified for removal shall remain operational until the new systems are fully functional. If an existing street light is in conflict with construction sequencing, a temporary lighting system shall be installed prior to removal of the existing street light.



### **8-20.3(13)A Light Standards**

*Section 8-20.3(13)A is supplemented with following:*

Light standards shall be fabricated in conformance with the methods and materials specified on the pre-approved Plans and outlined in the Standard Specifications and these Special Provisions.

Anchor bolts shall extend through the top heavy-hex nut two full threads to the extent possible while conforming to the specified base clearance requirements. Anchor bolts shall be tightened by the Turn-Of-Nut Tightening Method in accordance with Standard Specifications Sections 6-03.3(33) and 8-20.3(4).

The grout pad shall not extend above the elevation of the bottom of the base. The hand hole shall be located at 90 degrees to the luminaire arm on the side away from traffic.

A grounding lug or nut shall be provided in the handhole frame or inside the handhole frame or inside the pole shaft to attach a ground bonding strap.

All poles and luminaire arms shall be designed to support a luminaire weight of 50 lbs. or more and to withstand pressures caused by wind loads of 110 MPH with gust factor of 1.3.

All poles shall maintain a minimum safety factor of 4.38 PSI on yield strength of weight load and 2.33 PSI for basic wind pressure.

The pole shall be adjusted for plumb after all needed equipment has been installed thereon. After pole is installed and plumbed, nuts shall be tightened on anchor bolts using proper sized sockets, open end, or box wrenches. Use of pliers, pipe wrenches, or other tools that can damage galvanizing will not be permitted. Tools shall be of sufficient size to achieve adequate torquing of the nuts. The space between the concrete foundation and the bottom of the pole base plate shall be filled with a dry pack mortar grout and troweled to a smooth finish conforming to the contour of the pole base plate.

Dry pack mortar grout shall consist of a 1:3 mixture of Portland cement and fine sand with just enough water so that the mixture will stick together on being molded into a ball by hand, and will not exude moisture when so pressed. A one-half-inch drain hole shall be left in the bottom of the grout pad as shown on WSDOT Standard Plan J-28.40.

### **8-20.3(13)C Luminaires**

*Supplement this section with the following:*

All Roadway luminaires shall be provided with either an internal or external houseside shield per Sections 9-29.10(2) and 9-29.10(3) of these Special Provisions. Fixtures shall be installed, directed, shielded, and maintained to avoid light trespass and to minimize direct light and glare on neighboring properties. The Contractor shall make a night inspection and subsequent shield adjustments as necessary to provide shielding as required by the Engineer. Installation and/or adjustment of shielding is considered incidental.



All luminaires shall be provided with markers for positive identification of light source type and wattage. Markers shall conform to ANSI C136.15-2011 "American National Standard for Roadway and Area Lighting Equipment – Luminaire Field Identification".

### **8-20.3(17) "As Built" Plans**

*Section 8-21.3(17) is deleted and replaced with the following:*

Upon completion of the project, the Contractor shall furnish an "as-built" drawing of the project showing all pole locations, junction boxes, illumination system showing luminaire locations, miscellaneous equipment, conductors, , and with a special symbol identifying those items that have been changed from the original contract drawings. All items shall be located to within one foot (1') horizontally and six inches (6") vertically above or below the finished surface grade.

*Add the following new subsection:*

### **8-20.3(18) Rectangular Rapid Flashing Beacon (RRFB) System**

RRFB Systems shall be per Section 9-29.21(1) Flashing Beacon of these Special Provisions. RRFB systems shall be AC powered (per the Plans) and shall be furnished and installed by the Contractor and shall have pushbuttons that include a locator tone, but shall not include tactile arrows, speech messages, or vibrotactile indications. All the components shall be installed per manufacturer's recommendations, per the Plans and the method and locations of installation shall be approved by the Engineer in the field, prior to drilling holes in the supporting poles.

*Add the following new subsection:*

### **8-20.3(19) School Zone Beacon (SCH) System**

SCH Systems shall be per section 9-29.21(2) Flashing Beacon of these Special Provisions. SCH systems shall be AC powered (per the Plans) and shall be furnished and installed by the Contractor. All the components shall be installed per manufacturer's recommendations, per the Plans and the method and locations of the installation shall be approved by the engineer in the field, prior to drilling holes in the supporting poles.

### **8-20.4 Measurement**

*Supplement this section with the following:*

When shown as lump sum in the Plans or in the proposal as "\_\_\_\_\_System, Complete" no specific unit of measurement will apply, but measurement will be for the lump sum total of all items for a complete system to be furnished and installed.

### **8-20.5 Payment**

*Section 8-20.5 is deleted and replaced with the following:*

Payment will be made in accordance with Section 1-09.1 for each of the following Bid Items:



“Decorative Illumination System, Complete”, per Lump Sum

“Rectangular Rapid Flashing Beacon (RRFB) System, Complete, per Lump Sum

“School Zone Beacon (SCH) System, Complete” per Lump

“Spare Conduit and Junction Box System, Complete” per Lump Sum

The lump sum contract price above shall be full for the construction of the complete electrical systems, and as herein specified including electrical service cabinet, decorative luminaire poles, decorative luminaires, luminaires, RRFB assemblies, SCH assemblies, temporary lighting, potholing, excavation, trenching, directional boring, including boring pits and restoration, backfilling, foundations, junction boxes, conduit, wiring, removal of existing private luminaires, salvaging existing materials, removal of existing unused materials, restoring facilities destroyed or damaged during construction, modifying of existing systems, testing, coordination with Contacting Agency technical staff, and all electrical permits, inspections, and for making all required tests. All additional materials and labor, not shown in the Plans or called herein and which are required to complete the fully functional system, shall be included in the lump sum contract price.

Conduit for the Spare Conduit and Junction Box System, Complete shall be installed in the same trench as the Illumination System and no additional payment will be made for excavation or backfill where trenches for other Bid Items are already being installed.

## **8-21 PERMANENT SIGNING**

### **8-21.2 Materials**

*Supplement this section with the following:*

Materials shall meet the requirements of the following sections as applicable unless noted:

Painting	6-07
Permanent Signing	8-21
Structural Steel and related materials	9-06
Signing Materials and Fabrication	9-28

### **8-21.3 Construction Requirements**

*Supplement this section with the following:*

Sign Code Numbers for new signs indicated on the Plans are in reference to the Washington State Department of Transportation Sign Fabrication Manual and the Manual on Uniform Traffic Control Devices (MUTCD).

Upon completion of the project, the Contractor shall reset all signs that have been disturbed or removed during the construction in their permanent location to the satisfaction of the Owner. Existing concrete at the base of signpost shall be removed prior to installation in new concrete.



Relocated signs shall be installed on new painted schedule 40 galvanized steel poles per the detail shown in the Plans or attached to light poles where noted on the Plans.

Steel sign poles shall be powder coated and color per Section 6-07.2, Painting.

All costs associated with resetting, relocation and removal & replacement of existing signs shall be included in the lump sum "Permanent Signing".

## **8-22 PAVEMENT MARKING**

### **8-22.2 Materials**

*Supplement this section with the following:*

Materials for pavement markings shall be paint or plastic as noted on the Plans and herein. Paint and sprayed or extruded plastic materials shall be applied with a top dressing of glass beads.

The following markings shall meet Type D – Liquid Cold Applied Methyl Methacrylate per Section 9-34.3(4) of the Standard Specifications:

- Crosswalk Lines
- Traffic Arrows
- Stop Lines
- Double Yellow Centerlines
- Edge Line
- Wide Lane Line

### **8-22.3 Construction Requirements**

*Supplement this section with the following:*

Pavement markings shall be as per WSDOT Standard M Plans and as noted on the Plans.

#### **8-22.3(1) Preliminary Spotting**

*Supplement this section with the following:*

Contractor shall notify the Engineer and request approval of the pre-mark channelization at least 48 hours prior to placement of pavement markings.



### **8-22.3(6) Removing Pavement Markings**

*Supplement this section with the following:*

Existing pavement markings within the construction limits, including plastic stop bars, traffic arrows and lane markers shall be removed prior to overlaying the roadway surface.

All conflicting channelization shall be removed as necessary to install temporary pavement markings or after the final channelization has been installed.

Removal of existing pavement markings shall be conducted using such methods to prevent damage to the remaining pavement. The use of chemicals that may be harmful to the pavement will not be allowed. Damaged pavement shall be replaced at the Contractor's expense.

### **8-22.4 Measurement**

*Supplement this section with the following:*

Removing Pavement Markings shall not be measured for payment.

### **8-22.5 Payment**

*Supplement this section with the following:*

"Removing Pavement Markings", per lump sum.

*Add the following New Sections:*

## **8-26 TREE GRATE**

### **8-26.1 Description**

This work shall consist of furnishing and installing Tree Grate and Tree Grate Frame as shown on the Plans and per the details therein.

### **8-26.2 Materials**

Tree Grate shall be 48"x72" rectangle, 1 ¼" thick, with random concentric circle pattern, 12" diameter tree opening with break-outs to 20" diameter, cast in four (4) pieces, no openings greater than ½" for ADA compliance and pedestrian safety. Material shall be cast iron per ASTM A48 class 35b or better. Finish shall be natural raw cast iron.

Tree grate frames and mounting attachments shall be cast iron ASTM A48 class 35b or better, in raw cast grey iron finish from same manufacturer as tree grate. Tree grate frame type as recommended by manufacturer for new concrete and curb attachments.

Tree grate will require 8 to 12 weeks lead time.



### **8-26.3 Construction Requirements**

Tree Grate and tree grate frame shall be installed as detailed on the Plans.

Install each tree grate including frames flush with cement concrete sidewalk using mounting hardware supplied by manufacturer per manufacturer's instructions.

Contractor shall coordinate tree grate frame installation with cement concrete sidewalk work.

All Tree Grates shall be installed flush with finish grade of cement concrete sidewalk and top of curb.

Contractor shall remove and replace damaged components that cannot be successfully repaired as determined by Engineer.

#### **Submittal**

Contractor shall submit tree grate and tree grate frame manufacturer's product data, storage and handling requirements and recommendations, installation methods and available colors, styles, patterns and textures for Engineer's approval.

### **8-26.4 Measurement**

Tree Grate shall be measured per each tree grate installed in its final location.

### **8-26.5 Payment**

Payment shall be made for the following bid items:

"Tree Grate", per each.

The contract price per each Tree Grate shall be full compensation for all labor, material, tools and equipment, supplies and incidental work, necessary to satisfactorily purchase, install and complete the work as defined in the Contract Documents.

## **8-27 HANDRAIL**

### **8-27.1 Description**

This work shall consist of fabricating and installing Handrail as shown and detailed on the Plans.

### **8-27.2 Materials**

Materials shall meet the requirements of the following sections as applicable unless noted:

Painting 6-07



Handrail shall include posts, embed sleeve, kick plate, handrail top and all connections necessary for fabrication and installation including but not limited to the Plans and these specifications.

Handrail shall consist of posts, embed sleeves, handrail top, kick plate comprised of aluminum 6063-T6 (30,000 psi), per ASTM B345, and shall meet the requirements of the Standard Specifications, Sections 6-03 and 9-06.

Mechanical connections, any necessary splice sleeves shall be 6063 alloy or 6061 alloy and cast fittings shall be 214 alloy. Machine bolts, rivets and self-tapping screws for splice sleeves shall be 304 stainless steel.

Fittings and fasteners shall be same basic material and alloy as parts being joined. Do not use materials that will be corrosive or incompatible with materials being fastened.

All handrail parts and fasteners shall be painted per Section 6-07 Painting. Touch up for scratches as recommended by coating manufacturer for field application.

Handrail will require at least 8 weeks lead time for fabrication.

### **8-27.3 Construction Requirements**

Contractor shall verify in field the slope required for each section of handrail on stair. Verify all dimensions on site prior to shop fabrication. Coordinate handrail fabrication schedule with construction progress to avoid delay of work.

Handrail shall be installed completely assembled in the locations shown on the Plans. The handrail installation, when completed, shall be in true alignment, on proper grade, with all posts to be plumb.

#### **Fabrication**

All handrail will require inspection upon delivery to the Project site. Any pieces damaged during shipping or having inconsistent color shall be removed from the Project site and rejected for construction.

All handrails shall be shop fabricated and assembled per approved shop drawings to the greatest extent possible. All assembly shall be in a neat, craftsmanship manner.

Allow for thermal action resulting from the maximum range (change) in ambient temperature in the design, fabrication, and installation of rail systems, to prevent opening of joints, buckling, and other detrimental effects, including over stressing of connections and components.

Install handrails in unspliced lengths between posts. Prevent galvanic action and other forms of corrosion by isolating dissimilar materials from each other.

All rivet holes shall be drilled in such a manner that rivets seat properly to the surface of the handrail. All cuts shall be squared and free of burrs.



Exposed mechanical fastenings shall be tamper resistant, flush countersunk screws or bolts unobtrusively located, consistent with design of component except where specifically noted otherwise.

Fabricated components shall be tightly fitted and secured at joints. Provide spigots and sleeves to accommodate site assembly and installation.

As installation is completed, clean all handrail assemblies with plain water containing a mild detergent. Provide materials free from surface blemishes where exposed to view in the finish installation.

Install handrail in accordance with approved shop drawings, installation details, and manufacturer's instructions to provide a complete installation that is firmly mounted, level, and is in true alignment with finish grades. All fasteners shall be drawn tight and all grout set posts installed with non-shrink waterproof grout.

#### Submittal

Contractor shall submit three (3) sets of shop drawings of the handrail for Engineer's approval, showing complete dimensions and details of fabrication, including an assembly diagram with fittings and connections. Materials being used shall be specified in shop drawings. Contractor shall also submit 6"x3" color sample of handrail finish for Engineer's approval prior to fabrication.

### **8-27.4 Measurement**

Handrail shall be measured per linear foot of acceptable handrail installed in its final location.

### **8-27.5 Payment**

Payment shall be made for the following bid item:

"Handrail" per linear foot.

The linear foot bid price shall be full compensation for all labor, material, tools and equipment, supplies, incidental work, to satisfactorily complete the work defined in the Standard Specifications, Special Provisions and the particular items called for in the Plans.

## **8-28 MISCELLANEOUS WORK**

### **8-28.1 Description**

This work involves the identification and resolution of utility conflicts not identified in the plans between proposed improvements and existing utilities. The Contracting Agency will pay these costs by force account if the work proves to be acceptable and the Contractor has performed the work with the authority of and due notice to the Engineer.



### 8-28.3 Construction Requirements

The Contracting Agency may direct the Contractor to pothole existing utilities to verify the field location and depth. Potholing shall include excavation and backfilling of the existing utility, identification of the pipe or line size, material type and condition and the survey work to locate the facility horizontally and vertically. Survey information to be obtained shall include station and offset to center of utility and elevation at top of utility. Stations, offsets and elevations shall be to the nearest 0.1 foot unless greater accuracy is required. Potholes shall be backfilled with CSBC compacted to 95%, or with CDF, as directed by the Engineer. In areas subject to public traffic, the HMA patch shall match the depth of the surrounding pavement.

In the event that a conflict arises between the proposed improvements and an existing utility, the Resolution of Utility Conflicts item will compensate the Contractor for standby time and additional work in the following manner:

1. Standby time resulting from existing utility conflicts
  - a) Standby time is defined as time the Contractor is unable to proceed with progression of a specific work item (i.e. storm drainage, underground utility installation etc.) due to conflicts with existing facilities. However, payment for standby time shall be limited to:
    - (1) For each agreed upon conflict, a maximum of four (4) hours of standby time will be paid for actual delay of labor and equipment due to a utility conflict. The Contractor shall be responsible to adjust his work schedule and/or reassign his work forces and equipment to other areas of work to minimize standby time.
    - (2) If the conflict is resolved within one (1) hour of notification to the Engineer, no standby time will be paid.
2. Additional work required to resolve utility conflicts will be paid for at the bid unit prices for the associated work. Work that can be measured and paid for at the unit contract prices shall not be identified as force account work. This work includes but is not limited to:
  - (1) Storm drainage manhole, pipe, vault, and conduit realignments of line and/or grade for the storm drain, undergrounding of overhead utilities, illumination, and signal, to avoid existing utility conflicts.
  - (2) Additional storm drainage manholes, pipe, vaults, and conduit required by a change in alignment, and/or grade, not exceeding the limits set in section 1-04.4 of the Standard Specifications.

### 8-28.5 Payment

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

“Potholing”, per each.



"Resolution of Utility Conflicts" will be paid by force account as provided in Section 1-09.6.

All costs for resolving utility conflicts will be paid for by force account in accordance with section 1-09.6. To provide a common proposal for all bidders, the Contracting Agency has estimated the amount for "Resolution of Utility Conflicts" and entered the amounts in the proposal to become a part of the total bid by the Contractor. Utility conflicts due to the Contractor's actions or operations shall be resolved by the Contractor at no expense to the Contracting Agency.

**8-30 BENCH**

**8-30.1 Description**

This work shall consist of furnishing and installing Bench as shown on the Plans and per the details therein.

**8-30.2 Materials**

Materials shall meet the requirements of the following sections as applicable unless noted:

Painting	6-07
Structural Steel and related materials	9-06
Timber and Lumber	9-09

Bench shall be 6' length backless cast iron support with 2x3" IPE S4S EE wood slats including clear preservative, cast iron steel flared armrests with S-2 surface mounted installation.

Bench shall be Bench 166 Series, product #166-60I available from Dumor, Inc. P.O . Box 142 Mifflintown, PA 17059-0142 or approved equal.

All hardware (bolts, nuts, screws, washers, etc.) needed to complete the installation shall be corrosion resistant, stainless steel.

Bench will require at least 8 weeks lead time.

Paint system shall be per manufacturer. Color shall be per Section 6-07.2, Painting.

**8-30.3 Construction Requirements**

Surface mount Bench on the concrete pavers using mounting hardware as specified and additional stainless steel washers as necessary to set bench level and plumb, per manufacturer's instructions.

Contractor shall verify and field measure all Bench locations for Engineer's approval prior to installation.



Expansion anchor bolts for surface mounting shall be sized to fit Bench. Length shall be 6" minimum.

Contractor shall repair any minor damages to finish in accordance with manufacturer's instructions and as approved by Engineer.

Contractor shall remove and replace damaged components that cannot be successfully repaired as determined by Engineer.

Benches shall be clean promptly after installation in accordance with manufacturer's instructions.

Contractor shall not use harsh cleaning materials or methods that could damage finish. Protect installed Benches to ensure that, except for normal weathering, Benches will be without damage or deterioration at time of Substantial Completion.

#### Submittal

Contractor shall submit Bench manufacturer's product data, storage and handling requirements and recommendations, installation methods and selected colors, styles, patterns and textures for Engineer's approval.

### **8-30.4 Measurement**

Bench shall be measured per each bench installed in its final location.

### **8-30.5 Payment**

Payment shall be made for the following bid items:

"Bench", per each.

The contract price per each Bench shall be full compensation for all labor, material, tools and equipment, supplies and incidental work, necessary to satisfactorily purchase, install and complete the work as defined in the Contract Documents.

## **8-31 CUSTOM BANNER POLES**

### **8-31.1 Description**

This work shall consist of providing and installing Custom Banner Poles as shown on the Plans and per the details therein.

### **8-31.2 Materials**

Materials shall meet the requirements of the following sections as applicable unless noted:

Structural Steel and related materials

9-06



Wood pole shall be treated western red cedar pole graded per ASTM D3200.

Metal cap and "Sawblades" (A, B, C and D) metal cutout panels shall be aluminum grade 6061-T6. Aluminum components shall conform to ASTM B209.

Banner eye bolts shall be A316 stainless steel.

Stainless steel cable wire for banner shall be A304 stainless steel rope.

Overhead banner shall be 3 feet tall x 24 feet wide dual sided banner consisting of premium 18 oz water resistant vinyl, matte finish, ultraviolet ray safe solvent ink printing (600 dpi) on both sides, and four brass grommets (one at each corner) intended for outdoor all-season use.

Concrete at pole base shall have a compressive strength  $f'_c = 3000$  psi at 28 days.

### **8-31.3 Construction Requirements**

Custom Banner Poles shall be installed in location as indicated on the Plans and per indicated herein.

At Contractor's request, the Engineer will provide electronic graphic files for metal cutout panel line work pattern layout.

#### **Submittal**

Contractor shall submit overhead banner manufacturer's product data and installation methods including shop drawing of graphic content for Engineer's approval.

Contractor shall submit 12"x12" sample with finishes specified of one section of metal cutout panel for Engineer's approval prior to fabrication.

The Contractor shall provide shop drawings for construction of custom banner poles including "Sawblade" metal cutout panels, banner eye bolts, carabiners, cabling, cabling attachments, wood poles, overhead banner connections, all fabricated accessories, showing material, thickness, dimensions, cutouts and penetrations, finish, anchors, fasteners, cutout (layout/orientation shown) applicable product manufacturer information, and other information necessary to describe work to be provided.

Shop drawings shall be approved by the Engineer prior to construction.

Metal cutout panels shall require 8 to 10 weeks lead time upon approval of shop drawings.

#### **Fabrication**



Metal cutout panel shall be constructed from sheet goods to conform pattern and sizing, no breaks or bending for strength shall be allowed. If otherwise, please provide in shop drawing submittal.

Metal cutout panel shall be water jet or laser cut. All other metal cutting methods shall be approved by the Engineer. Complete fabrication before applying paint finishes. All edges of the sculpture shall be sanded to a smooth round edge, with no sharp edges, burrs, catches, or weak points to jeopardize the integrity of the art pattern.

Metal cutout panel shall be finished at the factory. There shall be cutting, drilling or welding of plates on job site unless required by Engineer's approved shop drawings.

All metals shall be non-conductive and/or insulated when joining non-compatible material. Prevent galvanic action and other forms of corrosion by isolating dissimilar materials from each other.

Fittings and fasteners shall be compatible with parts being joined. Do not use materials that will be corrosive or incompatible with the materials being fastened; do not utilize pop rivets, sheet metal screws, adhesives or cast fittings. Bolts, washers and nuts shall be stainless steel.

All welding shall be in accordance with AISC and AWS standards and shall be performed by WABO-certified welders. Welds shall meet Section 6-03.3(25) of the Standard Specifications. Welds shall be ground smooth, clean and free of burrs.

Do not allow unsupported edges, if required, Contractor shall show detail on how to support those loads and meet code. Loads on fasteners shall not exceed 25 percent of average ultimate strength.

Any damage due to the Contractor's negligence before the end of the project shall be replaced by the Contractor with no additional compensation allowed.

Provide coordination of Custom Banner Pole with cement concrete sidewalk.

#### Qualifications

Custom Banner Pole shall be fabricated in a shop with a minimum of five (5) years-experience creating similar custom architecturally visible structures and metal fabrications.

### **8-31.4 Measurement**

No specific unit measurement will apply to the lump sum price for installing Custom Banner Pole, including fasteners, cabling/cabling attachments, carabiner, "Sawblade" metal cutout panel, overhead banner, wood pole, and all associated fastening connections.

### **8-31.5 Payment**

Payment shall be made for the following bid items:



“Custom Banner Pole”, per lump sum.

The lump sum contract price for Custom Banner Pole shall be full compensation for all labor, material, tools and equipment, supplies and incidental work, necessary to satisfactorily purchase, install and complete the work as defined in the Contract Documents.

## **8-32 VINYL BANNER**

### **8-32.1 Description**

This work shall consist of providing and installing Vinyl Banner as shown on the Plans and per the details therein.

### **8-32.2 Materials**

Vinyl Banner shall be 24-inches wide x 60-inches tall dual sided banner consisting of premium 18 oz water resistant vinyl, matte finish, ultraviolet ray safe solvent ink printing (600 dpi) on both sides, three-inch pole pockets (double stitched hems at top and bottom of banner) and four brass grommets (one at each corner) intended for outdoor all-season use.

Banner arms shall be measured and paid for separately under Section 8-20.

### **8-32.3 Construction Requirements**

Vinyl Banner shall be installed in location as indicated on the Plans and per manufacturer's recommendations.

Contractor shall request electronic file from Town of Eatonville for vinyl banner graphic content prior to installation.

Vinyl Banner shall require four to five weeks lead time.

#### Submittal

Contractor shall submit Vinyl Banner manufacturer's product data, storage and handling requirements and recommendations, installation methods and shop drawing layout for graphic content for Engineer's approval prior to installation.

### **8-32.4 Measurement**

Vinyl Banner shall be measured per each vinyl banner installed in its final location.

### **8-32.5 Payment**

Payment shall be made for the following bid items:

“Vinyl Banner”, per each.



The contract price per each Vinyl Banner shall be full compensation for all labor, material, tools and equipment, supplies and incidental work, necessary to satisfactorily purchase, install and complete the work as defined in the Contract Documents.

## **8-33 FLAG**

### **8-33.1 Description**

This work shall consist of providing and installing Flag as shown on the Plans and per the details therein.

### **8-33.2 Materials**

Flag shall consist of American flag and aluminum pole. American flag shall be (3 feet x 5 feet) made of open weave construction, wet-fast UV resistant poly-max 100% polyester fabric consisting of embroidered stars, sewn stripes, four vertical row stitching and zig-zagged reinforced corner end stitching. Pole shall be 1" white aluminum pole with ball finial top in tangle-free, highly durable 2-piece construction allowing top 3 feet to spin with flag, including stainless steel flag fasteners.

Flag holder shall be measured and paid for separately under Section 8-20.

### **8-33.3 Construction Requirements**

Flag shall be installed in location as indicated on the Plans and per manufacturer's recommendations.

Flag shall require four to five weeks lead time.

#### Submittal

Contractor shall submit Flag manufacturer's product data, storage and handling requirements and recommendations as well as installation methods for Engineer's approval prior to installation.

### **8-33.4 Measurement**

Flag shall be measured per each flag installed in its final location.

### **8-33.5 Payment**

Payment shall be made for the following bid items:

"Flag", per each.

The contract price per each flag shall be full compensation for all labor, material, tools and equipment, supplies and incidental work, necessary to satisfactorily purchase, install and complete the work as defined in the Contract Documents.



## **8-34 PICKET FENCE**

### **8-34.1 Description**

This work shall consist of constructing and installing picket fence as shown on the Plans and per the details therein.

### **8-34.2 Materials**

Materials shall meet the requirements of the following sections as applicable unless noted:

Painting	6-07
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Timber and Lumber	9-09
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Picket fence shall include post, post embed, post cap, picket and rail.

Dog ear top pickets shall be no. 1 and better grade, WRCLA Western Red Cedar, (S4S) Rough Sawn, Standard and Better.

Fastenings shall be of galvanized steel material.

Pyramidal vinyl post cap and 4"x4" post sleeve shall be outdoor rated, fade/UV resistant material and in white color.

Post and post embed shall be pressure treated Doug Fir-Larch wood posts.

### **8-34.3 Construction Requirements**

#### Fabrication

All metals shall be non-conductive and/or insulated when joining non-compatible material. Prevent galvanic action and other forms of corrosion by isolating dissimilar materials from each other.

#### Submittals

Contractor shall provide plan layouts of picket fence installation including post, rail and picket layout, components and any assembly/connections showing all materials, thickness, dimensions, finish, fasteners, and other information necessary to describe work to be provided for Engineer's approval prior to installation.

### **8-34.4 Measurement**

"Picket Fence" will be measured by the linear foot of picket fence installed measured along the top rail of the picket fence from end point of post to end point of post in a continuous line.



### **8-34.5 Payment**

“Picket Fence”, per linear foot.

The unit Contract Price for “Picket Fence” shall be full pay for work to install picket fence including wood post/embed, vinyl post sleeve, vinyl post cap, post hole excavations, foundations, connections, rails, pickets, and any other components of the picket fence as shown on the Plans.

### **END OF DIVISION 8**



## **DIVISION 9 MATERIALS**

### **9-14 EROSION CONTROL AND ROADSIDE PLANTING**

#### **9-14.2(1) Topsoil Type A**

*Supplement this section with the following:*

Topsoil Type A shall be a mix of 50% pure organic compost and 50% sand or sandy loam. The soil shall be high in organic content and comprised of fully composted and mature organic materials.

Refer to Section 9-14.4(8) Compost of the Standard Specifications for compost requirements. No fresh sawdust or other fresh wood by-products shall be added to extend the volume after the composting process.

Chemical and physical characteristic of Topsoil Type A shall comply with the following:

Screen Size	7/16" Maximum (Approximate Particle Size)
Total Nitrogen	0.25% Minimum
Organic Matter	10% Minimum
pH Range	5.5 to 7.5
Conductivity	5 mmhos/cm Maximum

The Contractor shall provide a complete analysis of Topsoil Type A with one cubic foot sample for review and approval.

#### **9-14.2(4) Topsoil Type D**

*Supplement this section with the following:*

Topsoil Type D shall be a mix consisting of the following proportions by weight:

Crushed Stone – 100 lbs

Clay Loam – 20 lbs

Hydrogen – 0.03 lbs

Total moisture at mixing shall be 10% (AASHTO T-99 optimum moisture).

The crushed stone shall be granite or limestone graded from  $\frac{3}{4}$ " to  $1\frac{1}{2}$ ", highly angular with no fines. The clay loam shall conform to the USDA soil classification system (gravel < 5%, sand 25-30%, silt 20-40%, clay 25-40%). Organic matter shall range between 2% and 5%. The



hydrogel, a potassium propenoate-prepenamide, co-polymer shall be added in a small amount to act as a tackifier.

The Contractor shall submit a one cubic foot sample with supplier's certification of mix for approval by the Engineer.

### 9-14.3 Seed

*Supplement this section with the following:*

The grass seed dealer shall mix the grass seed. The Contractor shall furnish the Engineer with a dealer's guaranteed statement of the composition, mixture, and the percentage of purity and germination of each variety.

The seed mixtures for hydroseeding shall conform to the composition specified in the following paragraphs. Seeding rates are shown in pounds of pure live seed (PLS) per acre or 1,000 square feet.

PLS is determined by multiplying the percent purity (expressed as a decimal) by the percent germination (expressed as a decimal) and then multiplying this factor by the pounds of seed in the mixture (PLS = pounds of seed in mixture times percent purity times percent germination). The purity and germination percentages shall be as shown on the tag on each seed container

#### Seeded Lawn Mix

Botanical/Common Name	% By Weight	Seeds per lb. of mix	Seeds per lb.	Actual % by Seed Size	lbs needed	Requested %
Lolium perenne/Perennial Rye (2 Varieties Dasher 3 and Cutter II or approved equal)	70%	196000	560000	59.76%	210	60%
Festuca rubra var. Garnet	15%	64500	430000	19.66%	70	20%
Festuca rubra spp. Fallax or Windward	15%	67500	450000	20.58%	70	20%

Seed shall be applied at a rate of 8 PLS lbs per 1000sf or 350 PLS lbs per acre.

### 9-14.4 Fertilizer

*Supplement this section with the following:*

All fertilizer applications for trees and shrubs shall follow Washington State University, National Arborist Association or other accepted agronomic or horticultural standards.

Seeded lawn shall be fertilized per recommendations of seed supplier.



Fertilizer for trees and shrubs shall be Best-Paks Biodegradable Packet, 20-10-5, or approved equal. Apply per manufacturer's recommendations.

### **9-14.5(3) Bark or Wood Chips**

*Supplement this section with the following:*

Bark mulch shall be medium grade composted ground fir or hemlock bark.

The bark shall be uniform in color, free from weed seeds, sawdust and splinters. The mulch shall not contain resin, tannin, wood fiber or other compounds detrimental to plant life. The moisture content of bagged mulch shall not exceed 22%. The acceptable size range of bark mulch material is ½" to 1" with maximum of 20% passing the ½" screen.

### **9-14.7 Plant Materials**

#### **9-14.7(2) Quality**

*Supplement this section with the following:*

Plant material shall be free from disfiguring knots, swollen grafts, sunscald injuries, bark abrasions, evidence of improper pruning or other objectionable disfigurement.

Potted and container stock shall be well rooted and vigorous enough to ensure survival and healthy growth. Shrubs shall have full foliage (not leggy). Container stock shall be grown in its delivery container for not less than six (6) months, but not for more than two (2) years. Root bound or broken containers will not be accepted. Bare root, liner and root stock with dried or shriveled roots from exposure will not be accepted.

Trees will be provided with untapped, straight, single leaders, except for multiple stem (clump) trees. Trees shall have full crowns and balanced branching.

Measurements, caliper, branching, grading, quality, balling and burlapping shall follow the Code of Standards of the American Associate of Nurserymen in the American Standard for Nursery Stock, ANSI 260.1, latest edition. Measurements shall be taken with all branches in their normal growing position. Plants shall not be pruned prior to delivery to site.

#### **9-14.7(3) Handling and Shipping**

*Supplement this section with the following:*

All plant material shall be transported to planting locations with care to prevent damage. Tie back branches as necessary, and protect bark from chafing with burlap bags. Do not drag plant materials along ground without proper protection of roots and branches. Protect rootballs from environmental or mechanical damage and water as necessary to keep roots moist. Do not store plants for more than one week.



### **9-14.9 Tree Watering Bag**

*Supplement this section with the following:*

Tree Watering Bag shall be 20-gallon, UV-stabilized, polyethylene slow release watering bag system for trees with side zipper opening and two water release points; size 30" tall x 18" wide, accommodates 1" to 4" caliper trees; color green.

### **9-14.10 Root Barrier**

*Supplement this section with the following:*

Root Barrier shall be 18-inch high, minimum thickness 0.090-inch, interlocking root barrier panels constructed of high-impact polypropylene with 1/2-inch reinforcing ribs.

## **9-29 ILLUMINATION, SIGNAL, ELECTRICAL**

### **9-29.1 Conduit, Innerduct, and Outerduct**

*Supplement this section with the following:*

#### **Conduit Sealing**

Cabinet conduit sealing shall be one of the following:

1. Duo-fill 400 – self expanding waterproof foam
2. Jackmoon – Triplex Duct Plugs
3. O-Z Gedney – Conduit Sealing Bushings

Mechanical plugs shall be installed per manufacturer's recommendations.

### **9-29.1(10) Directional Boring**

*Section 9-29.1(10) is added as follows:*

If the Contractor elects or is directed to directional bore, bored conduit shall be High Density Polyethylene (HDPE). All piping system components shall be the products of one manufacturer. The conduit and fittings shall be free, within commercial tolerances of objectionable lines, striations, bubbles, welds or other manufacturing defects which would impair the service of the conduit or fittings. Conduit shall be appropriate for the stress generated by the selected equipment and field conditions. Bored conduit couplings shall meet or exceed all ASTM strength and composition standards for the particular type used. All couplings shall be leak proof. Drilling fluid used for directional boring shall be an inert mixture of water and bentonite clay conforming to the drilling equipment manufacturer's recommendations.



## **9-29.2 Junction Boxes, Cable Vaults and Pull Boxes**

*Supplement this section with the following:*

*(September 3, 2019 WSDOT GSP)*

### **Slip- Resistant Surfacing for Junction Boxes, Cable Vaults, and Pull Boxes**

Where slip-resistant junction boxes, cable vaults or pull boxes are required, each box or vault shall have a slip-resistant surfacing material applied to the steel lid and frame of the box or vault. Where the exposed portion of the frame is ½ inch wide or less, slip resistant surfacing material may be omitted from that portion of the frame.

Slip-resistant surfacing material shall be identified with a permanent marking on the underside of each box or vault lid where it is applied. The permanent marking shall be formed with a mild steel weld bead, with a line thickness of at least 1/8 inch. The marking shall include a two character identification code for the type of material used and the year of manufacture or application. the following materials are approved for application as slip-resistant material, and shall use the associated identification codes:

1. Harsco Industrial IKG, Mebac #1 – Steel: M1
2. W. S. Molnar Co., SlipNot Grade 3- Course: S3
3. Thermion, SafTrax TH604 Grade #1 – Course: T1

## **9-29.3 Fiber Optic Cable, Electrical Conductors, and Cable**

### **9-29.3(2) Electrical Conductors and Cable**

*Supplement this section with the following:*

Each illumination wire shall be numbered at each terminal end with a wrap-around type numbering strip bearing the circuit number shown on the Plans.

The Contractor shall provide and install all the necessary wiring, fuses and fittings so as to complete the installation of the lighting equipment as required. All materials and installation methods, except as noted otherwise herein, shall comply with applicable sections of the National Electrical Code.

## **9-29.6 Light and Signal Standards**

*Supplement this section with the following:*

Add the following new Sections:

### **9-29.6(6) Decorative Roadway Luminaire Poles**

Decorative roadway luminaire poles shall be per the dimensions shown on the Plans.



The decorative roadway poles shall be capable of supporting one (1) luminaire arm, one (1) luminaire, one (1) GFCI duplex receptacle, one (1) flagholder, one (1) pair of banner arms, and shall be complete in all respects and shall consist of three (3) sub-assemblies (pole, base, and arm).

Decorative roadway luminaire poles shall be galvanized steel with powder coated paint finish. The poles shall have 16-flutes and be tapered. A 4" by 6½" hand hole shall be included on the pole. The pole shall be accommodate mounting heights shown in the Plans and shall have a 24" diameter cast aluminum split base. The top of the pole shaft shall have a 2½" pipe sleeve welded through the top of the pole to accommodate a 2" schedule 40 pipe for the luminaire arm. Each luminaire arm shall have 19" of rise and shall be secured to the luminaire pole by bolted connection through the pipe sleeve. Ornaments shall be attached to both the top of the pole and the rear side of the luminaire arm as shown in the Plans.

The roadway luminaire pole shall be supplied with four (4) anchor bolts meeting the pole manufacturer's design requirements.

Each pole shall be equipped with a 20A 120V GFCI duplex receptacle with waterproof in use metal cover. Cover shall be painted to match pole color.

Banner Arms shall be as detailed on the Plan and include spear finial and clamp style brackets. All components shall be painted to match pole.

Flagholder shall be cast and fabricated aluminum bracket displaying pole at 30-degree angle, supplied with securing cap screws, washers, lock washers, hex nuts and stainless steel mounting straps, sized to fit, for attachment. Flagholder and all attachments shall be painted to match pole color.

All castings, poles, components and accessories shall be factory finish painted per Section 6-07.

#### **9-29.6(7) Decorative Pedestrian Luminaire Poles**

Decorative pedestrian luminaire poles shall be per the dimensions shown on the Plans.

The decorative pedestrian poles shall be capable of supporting one (1) luminaire and one (1) GFCI duplex receptacle and shall be complete in all respects and shall consist of two (2) sub-assemblies (pole and base).

Pedestrian luminaire poles shall be cast aluminum round tapered 16-flute pole. The pole shall be 13' overall height with a 17" base. The pole shall have cast aluminum pedestal base with access door equipped with hex head stainless steel cap screws. The top of the shaft shall have a 3-1/2" OD by 3 ½" long tenon provided.

Each pole shall be equipped with a 20A 120V GFCI duplex receptacle with waterproof in use cover.

The pedestrian luminaire pole shall be supplied with four (4) anchor bolts meeting the pole manufacturer's design requirements.



All castings, poles, and components shall be factory finish painted per Section 6-07.

### **9-29.7(2) Fused Quick-Disconnect Kits**

*Delete the second paragraph and replace with the following:*

Fuses shall be slow burn, rated 10 amps.

*Supplement this section with the following:*

Fused quick-disconnect kits shall be of the SEC type. Underground illumination splices shall be epoxy or underground service buss/light connector kits. Installation shall conform to details in the Standard Plans.

### **9-29.10 Luminaires**

#### **9-29.10(2) Decorative Pedestrian Luminaires**

*Supplement this section with the following:*

Decorative pedestrian luminaires shall match the style as shown on the Plans.

The luminaire shall be LED with precision refactors on each diode. LEDs shall have a CCT of 4000K and a minimum nominal 70 CRI.

Overall height of entire luminaire assembly shall be 44½".

All cast aluminum components shall consist of heavy grade A319.

The bottom of the luminaire shall accept a tenon of 3½" maximum diameter and locked in place by heavy duty stainless-steel set-screws.

The globe assembly be molded of rippled polycarbonate or rippled acrylic with a minimum thickness of 0.125" and an overall diameter of 17½" with an over height of 31". The globe assembly shall protected against water or dust particle ingress over a temperature range of -40 degrees Fahrenheit to 310 degrees Fahrenheit.

The luminaire shall include a LED universal dimmable driver, capable of 120 – 277V or 277 – 480V input voltage and shall be surge protected to stand up to 20KA/10Kv of transient line surge.

All luminaires shall be UL listed, IP66 rated (suitable for wet locations), and LM79/LM80 compliant.

Decorative Pedestrian Luminaires shall include an integral 7-pin photocell socket with twist lock shorting cap.

#### **9-29.10(3) Decorative Roadway Luminaires**

*Supplement this section with the following:*



**LED Roadway luminaires installed on decorative roadway luminaire poles shall be as follows:**

1. LED Roadway Luminaires shall match the style and rating as shown on the Plans.
2. Housings shall be painted Section 6-07 of these Special Provisions.
3. A housing capable of being mounted on a standard 2-inch roadway pole pipe tenon.
4. A housing manufactured from a die-cast low copper alloy aluminum designed to minimize corrosion.
5. Electrical components accessible through a swing-down entry door secured by a trigger latch or similar tool-less entry mechanism.
6. Resistance to vibration and impact.
7. Luminaires shall include an ANSI C136.41 7-pin photocell socket supplied with shorting cap. A spare 7-pin shorting cap meeting the requirements of ANSI C136-10 shall be provided with each fixture.
8. An LED light engine protected from the elements by a prismatic glass lens.
9. A thermal management system that promotes maximum air flow through the luminaire to ensure a minimum of 60,000 hours of operation at 25 degree centigrade with no appreciable loss of lumen output.
10. Protection against solar heating when not in operation.
11. Dark sky optics.
12. Glass tertiary optics that will not discolor or become brittle over time.
13. Sealed optics system rated for IP66 against water and dirt infiltration.
14. Surge protection module to protect the LED drivers, photo controls, transfer switches, and relays from electrical disturbances as defined by ANSI/IEEE C62.41, Category C. The unit shall be replaceable through the use of modular plug and wiring.
15. Solid state multi volt electrical drivers with a rated life of 50,000 hours.
16. Electrical drivers mounted in a heat sink and located such that they are isolated from heating by the sun when not in use.

**9-29.21 Flashing Beacon**

*Add the following new section:*

**9-29.21(2) Rectangular Rapid Flashing Beacon (RRFB) Pole and Assembly**

The RRFB assembly lights and controller shall be AC Powered model SC315-G by Carmanah. RRFB mounted equipment shall be per the Plans and details and shall be complete in all respects. Signs shall be per the Plans. Control Cabinet shall be painted per Section 6-07 of these Special Provisions.

The RRFB assembly APS style Pedestrian Push Button shall be Model-iNX by Polara. APS Pedestrian Push Buttons shall be yellow in color with one 9" x 12" R10-25 sign (PUSH BUTTON TO TURN ON WARNING LIGHTS). PPB extensions shall be by Polara, length specified in the plans.

The RRFB pole and base assembly shall be per the Plans and details and shall be complete in all respects capable of supporting RRFB equipment per the plans, and shall consist of six(6). Pole length shall be a minimum of 15'.

**Pole Subassembly**



The pole shall be a 4 inch - 8 NPT pipe manufactured from Schedule 40, galvanized steel meeting the following minimum requirements: Standard 4" SCH 40 ASTM A53 Grade B ERW Pipe.

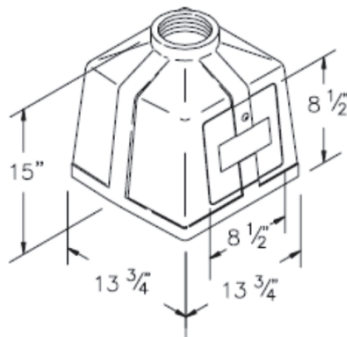
The bottom of the pipe shall be threaded to screw into the breakaway base assembly. Threading and deburring of the pole shall be in accordance with the basic dimensions of American National Standard Taper Pipe Threads, NPT (ANSI B1.2).

Pole assembly shall be painted per section 6-07 of these Special Provisions.

#### Base Subassembly

The pole base shall be breakaway, square aluminum pedestal base with aluminum door meeting the following minimum requirements:

- Square cast aluminum with natural finish, minimum weight of 21 lbs. with dimensions as shown in the Figure below.
- Upper end shall be threaded to receive a 4" NPT pipe shaft. Base threads shall be tapped to allow full pole engagement w/o exposed threads on the pole.



- The base shall be of such design that it may be fastened to a foundation with four (4) 3/4" anchor bolts located 90 degrees apart on the bottom of the base.
- There shall be slots in the bottom of the base 1 1/2" wide and 2 1/2" long measured along the circumference of the bolt circle, allowing a proper fit even if the bolts are placed slightly off center. The base plate shall accommodate bolt circle of 12" and anchor bolts with a diameter of 3/4".
- The base shall be equipped with a removable aluminum door. Door opening shall be free of burrs and sharp edges and be no less than 8 1/2" square. The door shall be attached to the base using one stainless steel socket button head screw to prevent unauthorized entry.
- The base housing and its components shall be fabricated free of voids, pits, dents, molding sand and excessive foundry grinding marks. All design radii shall be smooth and intact. Exterior surface finish shall be smooth and cosmetically acceptable by being free of molding fins, cracks and other exterior blemishes.



- Frangibility: The base shall meet or exceed 1985 AASHTO breakaway requirements. Test reports from an FHWA approved independent laboratory shall be provided certifying that the base has been tested and meets all applicable requirements. In addition, a statement of certification from the FHWA stating such tests have been accepted and approved shall be supplied.
- Structural Integrity: In order to prove structural soundness a certification from a recognized independent structural laboratory shall be provided certifying that the base will withstand a bending moment of 10,750 ft. lbs. Such test shall be performed in the following manner:
  - A force shall be applied at a distance from the bottom of the base in order to produce a moment.
  - All bases must reach a moment capacity of 10,750 ft. lbs. without breaking, cracking or rupturing in any manner.
  - After force has been removed, the lever arm shall return to within .250" of its original rest position.
  - All tests shall be made using 4" schedule 40 Steel Pipe.
  - Hardware: (6) 5/16"-18 x 1½" Socket Head Capscrews (3) 5/16" Dia. x 3/4" Roll Pins
  - Finish: Collar Segment: Alodine 1200
  - Fasteners: Zinc w/ Yellow Di-Chromate
  - Packaging: Threaded end shall have protective cap to prevent thread damage. Cardboard sleeve shall cover the entire length of shaft to protect surface finish during storage and shipment.
  - The base cover shall be galvanized and painted after fabrication per Section 6-07 of these Special Provisions.

*(January 7, 2019) WSDOT GSP*

### **Rapid Flashing Beacons**

Rapid Flashing Beacon (RFB) indications shall comply with the dimensional, operational, and flash pattern requirements of Federal Highway Administration (FHWA) Interim Approval 21 (IA-21, Conditions 4, 5, and 6, excluding Condition 5f;

[https://mutcd.fhwa.dot.gov/resources/interim\\_approval/ia21/index.htm](https://mutcd.fhwa.dot.gov/resources/interim_approval/ia21/index.htm)).

RFB systems shall be capable of providing, at a minimum, the following two-channel flashing patterns:

1. NEMA Standard 50-50:
  - Channel one is ON and channel two is OFF for 0.5 seconds.
  - Channel one is OFF and channel two is ON for 0.5 seconds.
 (Cycle repeats; the total flashing pattern cycle length is 1.00 second.)



2. RFB "WW+S" Pattern (IA-21 Condition 5b):
- Channel one is ON and channel two is OFF for 0.05 seconds.
  - Both channels are OFF for 0.05 seconds.
  - Channel one is OFF and channel two is ON for 0.05 seconds.
  - Both channels are OFF for 0.05 seconds.
  - Channel one is ON and channel two is OFF for 0.05 seconds.
  - Both channels are OFF for 0.05 seconds.
  - Channel one is OFF and channel two is ON for 0.05 seconds.
  - Both channels are OFF for 0.05 seconds.
  - Both channels are ON for 0.05 seconds.
  - Both channels are OFF for 0.05 seconds.
  - Both channels are ON for 0.05 seconds.
  - Both channels are OFF for 0.25 seconds.
- (Cycle repeats; the total flashing pattern cycle length is 0.80 seconds.)

The flashing pattern shall be user-selectable in the field.

RFB system pushbuttons shall include a locator tone. RFB system pushbuttons shall use a 9" x 12" R10-25 sign. The R10-25 sign may include integral yellow warning lights.

*Add the following new section:*

#### **9-29.21(2) School Zone Beacon (SCH) Pole and Assembly**

The SCH assembly lights and controller shall be AC Powered model R829-G by Carmanah. SCH mounted equipment shall be per the Plans and details and shall be complete in all respects. Signs shall be per the Plans. Control Cabinet shall be Painted per Section 6-07 of these Special Provisions.

The SCH pole and base assembly shall be per the Plans and details and shall be complete in all respects capable of supporting SCH equipment per the plans and shall consist of two (2) systems. Pole length shall be a minimum of 15'.

##### Pole Subassembly

The pole shall be a 4 inch - 8 NPT pipe manufactured from Schedule 40, galvanized steel meeting the following minimum requirements: Standard 4" SCH 40 ASTM A53 Grade B ERW Pipe.

The bottom of the pipe shall be threaded to screw into the breakaway base assembly. Threading and deburring of the pole shall be in accordance with the basic dimensions of American National Standard Taper Pipe Threads, NPT (ANSI B1.2).

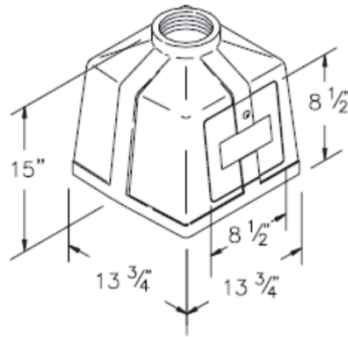
Pole assembly shall be painted per section 6-07 of these Special Provisions.

##### Base Subassembly

The pole base shall be breakaway, square aluminum pedestal base with aluminum door meeting the following minimum requirements:



- Square cast aluminum with natural finish, minimum weight of 21 lbs. with dimensions as shown in the Figure below.
- Upper end shall be threaded to receive a 4" NPT pipe shaft. Base threads shall be tapped to allow full pole engagement w/o exposed threads on the pole.



- The base shall be of such design that it may be fastened to a foundation with four (4) 3/4" anchor bolts located 90 degrees apart on the bottom of the base.
- There shall be slots in the bottom of the base 1 1/2" wide and 2 1/2" long measured along the circumference of the bolt circle, allowing a proper fit even if the bolts are placed slightly off center. The base plate shall accommodate bolt circle of 12" and anchor bolts with a diameter of 3/4".
- The base shall be equipped with a removable aluminum door. Door opening shall be free of burrs and sharp edges and be no less than 8 1/2" square. The door shall be attached to the base using one stainless steel socket button head screw to prevent unauthorized entry.
- The base housing and its components shall be fabricated free of voids, pits, dents, molding sand and excessive foundry grinding marks. All design radii shall be smooth and intact. Exterior surface finish shall be smooth and cosmetically acceptable by being free of molding fins, cracks and other exterior blemishes.
- Frangibility: The base shall meet or exceed 1985 AASHTO breakaway requirements. Test reports from an FHWA approved independent laboratory shall be provided certifying that the base has been tested and meets all applicable requirements. In addition, a statement of certification from the FHWA stating such tests have been accepted and approved shall be supplied.
- Structural Integrity: In order to prove structural soundness a certification from a recognized independent structural laboratory shall be provided certifying that the base will withstand a bending moment of 10,750 ft. lbs. Such test shall be performed in the following manner:
  - A force shall be applied at a distance from the bottom of the base in order to produce a moment.



- All bases must reach a moment capacity of 10,750 ft. lbs. without breaking, cracking or rupturing in any manner.
- After force has been removed, the lever arm shall return to within .250" of its original rest position.
- All tests shall be made using 4" schedule 40 Steel Pipe.
- Hardware: (6) 5/16"-18 x 1½" Socket Head Capscrews (3) 5/16" Dia. x 3/4" Roll Pins
- Finish: Collar Segment: Alodine 1200
- Fasteners: Zinc w/ Yellow Di-Chromate
- Packaging: Threaded end shall have protective cap to prevent thread damage. Cardboard sleeve shall cover the entire length of shaft to protect surface finish during storage and shipment.
- The base cover shall be galvanized and painted after fabrication per Section 6-07 of these Special Provisions.

#### **9-29.24 Service Cabinets**

*Supplement this Section with the following:*

The electrical service cabinet shall be per WSDOT Std Plan J-10.21 and the breaker configuration shall be per the panel schedules as shown on the Plans.

All electrical conductors, buss bars and conductor terminals shall be copper or brass.

The cabinet shall be fabricated from aluminum with mill finish. Door hinges shall be the continuous concealed piano type and no screws, rivets or bolts shall be visible outside the enclosure. The cabinet door shall be fitted for a Best internal type lock. The cabinet shall have ventilation louvers on the lower and upper sides complete with screens, filters and have rain tight gaskets. The cabinet door shall have a one-piece weather-proof neoprene gasket.

The service cabinet shall have a 24V blue indicator light.

Name plates phenolic black with white engraving except the main breaker which shall be red with white lettering. All name plates shall be attached by S.S. screws.

### **END OF DIVISION 9**



# **EXHIBIT “C”**

**Contract Plan Sheets - 35 Sheets**



**APRIL 2022**

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BEFORE YOU DIG  
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COVER SHEET		
KPG PROJECT No. 10089A	SHT <u>1</u>	OF <u>35</u>



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EXISTING LEGEND

MIC	MONUMENT IN CASE
MON	SURFACE MONUMENT
PK	PK NAIL
	CATCH BASIN
	STORM DRAIN MANHOLE
	YARD DRAIN
SCO	SEWER CLEAN-OUT
PP	POWER POLE
UG	POWER POLE WITH UG CONNECT
	POWER POLE WITH LUMINAIRE
GUY	GUY POLE
	GUY ANCHOR
	JUNCTION BOX
	STREET LIGHT (LUMINAIRE)
	LOT LIGHT
	TELEPHONE MANHOLE
TELR	TELEPHONE RISER
	TV RISER
	WATER VALVE
	WATER METER
	FIRE HYDRANT
PIV	POST INDICATOR VALVE
ICV	IRRIGATION CONTROL VALVE
MW	MONITORING WELL
	SIGN
DT12(3)	DECIDUOUS TREE, DIAMETER IN INCHES (# OF TRUNKS)
	FENCE
	BUILDING
	PAINTED STRIPE
	PAINTED SKIP STRIP
	RAISED-BUTTON SOLID STRIPE
	RAISED-BUTTON SKIP STRIPE
	EDGE OF PAVEMENT
	FLOWLINE
	CONTOUR
	STORM
	CONCRETE
	GRAVEL
	ROCKERY

PROPOSED LEGEND

	CATCH BASIN TYPE 1 OR TYPE IL
	CATCH BASIN TYPE 2
	FIRE HYDRANT
	WATER METER
	WATER VALVE
	BUTTERFLY VALVE
	COUPLING
	THRUST BLOCK
	REDUCER
	SIGN
	MAILBOX SUPPORT
F	EMBANKMENT LINE - FILL
C	EMBANKMENT LINE - CUT
W	WATER LINE
	STORM DRAIN LINE, WITH DIRECTION OF FLOW
	SAWCUT
X	FENCE
	MODULAR BLOCK WALL
	CAST-IN-PLACE (CIP) WALL
	NEW PAVEMENT SECTION
	CEMENT CONC. SIDEWALK & DRIVEWAY ENTRANCE
	2" CSTC FOR DRIVEWAY RESTORATION
	2" COMMERCIAL HMA OVER 2" CSTC FOR DRIVEWAY RESTORATION
	DETECTABLE WARNING SURFACE
	CONCRETE PAVER
	BENCH
	TREE GRATE
	PICKET FENCE
	HANDRAIL
	ROADWAY LUMINAIRE (COBRA) AND POLE
	PEDESTRIAN LUMINAIRE (DECORATIVE) AND POLE
	JUNCTION BOX TYPE 1, 2, 8
	CONDUIT

ABBREVIATIONS

AC	ASPHALT/CONCRETE	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MDD	MAXIMUM DRY DENSITY
AP	ANGLE POINT	MH	MANHOLE
AVE	AVENUE	MIC	MONUMENT IN CASE
BLDG	BUILDING	MIN	MINIMUM
BMP	BEST MANAGEMENT PRACTICE	MJ	MECHANICAL JOINT
BOSW	BACK OF SIDEWALK	N	NORTHING/NORTH
BTM	BOTTOM	NO	NUMBER
BTN	BUTTON	NON-REFL	NON-REFLECTIVE
CB	CATCH BASIN	NTS	NOT TO SCALE
CDF	CONTROLLED DENSITY FILL	O.C.	ON CENTER
CHLK	CHAIN LINK	O.D.	OUTSIDE DIAMETER
CI	CAST IRON	PC	POINT OF CURVATURE
CL	CENTERLINE	PCC	POINT OF CURVE ON CURVE
CL	CLASS	PE	POLYETHYLENE
CLR	CLEAR	PG	PERFORMANCE GRADE/PAGE
CMU	CONCRETE MASONRY UNIT	PI	POINT OF INTERSECTION
CO	CLEANOUT	POC	POINT ON CURVE
CONC	CONCRETE	PRC	POINT OF REVERSE CURVATURE
CONT	CONTOUR/CONTINUOUS	PSI	POUNDS PER SQUARE INCH
CSBC	CRUSHED SURFACING BASE COURSE	PT	POINT OF TANGENCY
CSTC	CRUSHED SURFACING TOP COURSE	PVC	POLYVINYL CHLORIDE
DI, DIP	DUCTILE IRON PIPE	PVI	POINT OF VERTICAL INTERSECTION
DIM	DIMENSION	R, RAD	RADIUS
DIA, Ø	DIAMETER	REFL	REFLECTIVE
DWS	DETECTABLE WARNING SURFACE	REQD	REQUIRED
E	EASTING/EAST	RP	RADIUS POINT
EA	EACH	RJ	RESTRAINED JOINT
EL/ELEV	ELEVATION	RT	RIGHT
EOP	EDGE OF PAVEMENT	S	SLOPE/SOUTH
EQ	EQUAL	SD	STORM DRAIN
EX/EXIST	EXISTING	SHT	SHEET
FG	FINISH GRADE	SKT	SOCKET
FL	FLANGE/FLOWLINE	SS	SANITARY SEWER
FOC	FACE OF CURB	SS	STAINLESS STEEL
FOW	FACE OF WALK/WALL	SSMH	SANITARY SEWER MANHOLE
GA	GAUGE	ST	STREET
GALV	GALVANIZED	STA	STATION
H, HORIZ	HORIZONTAL	STD	STANDARD
HD	HEAD	STL	STEEL
HMA	HOT MIX ASPHALT	T	TANGENT LENGTH
HP	HIGH POINT	TOC	TOP OF CURB
ICV	IRRIGATION CONTROL VALVE	TOG	TOP OF GRATE
ID	INSIDE DIAMETER	TOP	TOP OF PIPE ELEVATION
IE	INVERT ELEVATION	TYP	TYPICAL
INCL	INCLUDING	UG	UNDERGROUND
L	LENGTH OF CURVE	UP	UNDERGROUND POWER
LF	LINEAR FEET	VC	VERTICAL CURVE
LP	LOW POINT	V, VERT	VERTICAL
LT	LEFT	W	WATER
		W/	WITH
		WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089COVR.dwg	
ENGINEERING MANAGER	DATE	FILENAME	
PROJECT MANAGER	DATE	DESIGNED BY	10/2021
PROJECT ENGINEER	DATE	GW	10/2021
		DATE	10/2021
		DATE	10/2021
		DATE	10/2021
		DATE	10/2021
		DATE	10/2021
		DATE	10/2021



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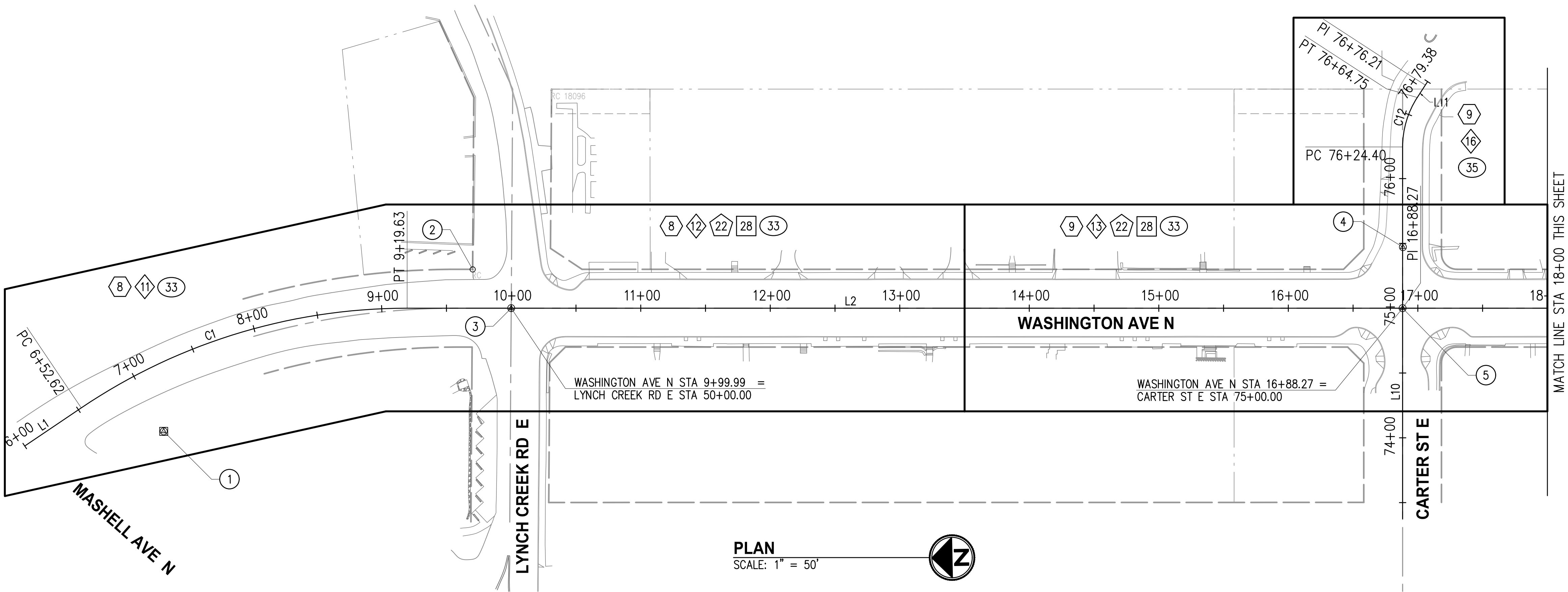
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SR 161/WASHINGTON AVE N CORRIDOR  
STREETSCAPE PHASE 2

LEGEND AND ABBREVIATIONS

KPG PROJECT No. 10089A SHT 2 OF 35



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- NOTES**
- THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS FOR CIVIL ENGINEERING DESIGN. THIS IS NOT A BOUNDARY SURVEY. SOURCES OF BOUNDARY INFORMATION AS SHOWN INCLUDE FIELD-TIED MONUMENTATION, PLATS, COUNTY RECORDS OF SURVEY, AND AUDITOR INDEXING INFORMATION.
  - THE LOCATIONS OF EXISTING UNDERGROUND UTILITY SYSTEMS, AS SHOWN HEREON, ARE TAKEN FROM UTILITY LOCATE PAINT MARKS OR AS-BUILT PLANS AND ARE SHOWN IN AN APPROXIMATE WAY ONLY.  
  
THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ALL LOCATOR SERVICES SHOULD BE CONTACTED PRIOR TO ANY CONSTRUCTION OR SUBSURFACE EXPLORATION. CALL 1-800-424-5555.
  - FIELD SURVEY: KPG, AUGUST, 2021. LICENSEE MICHAEL R. BOWEN, P.L.S. NO. 29294/RONALD D. REICHEL, P.L.S. NO. 38015.
  - CONTOUR INTERVAL = 1 FOOT, ±0.5 FOOT PER NATIONAL MAPPING STANDARDS. CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS.
  - STORM AND SEWER CONNECTIONS HAVE BEEN DRAWN FROM CENTER OF LID TO CENTER OF LID.
  - THE LOCATIONS AND DIMENSIONS OF UNDERGROUND VAULTS HAVE NOT BEEN VERIFIED AND ARE APPROXIMATE.
  - DUCTS ARE NOTED AS INDICATED IN THE FIELD BY UTILITY LOCATORS. MULTIPLE LINES AND/OR UTILITIES MAY SHARE DUCT RUNS; THIS MAY NOT BE SHOWN IN THE DRAWING.

**HORIZONTAL AND VERTICAL DATUM**

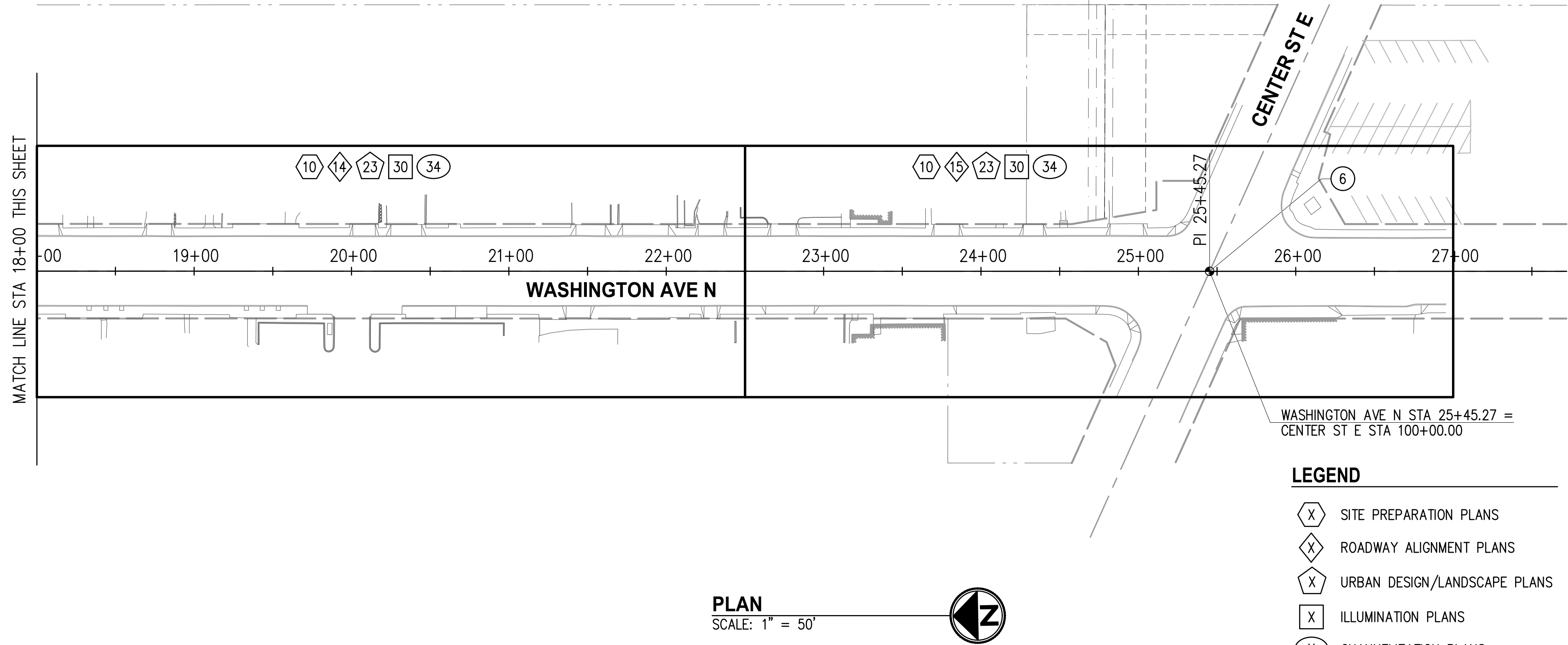
HORIZONTAL DATUM: NAD 83/91  
VERTICAL DATUM NAVD 88  
HORIZONTAL AND VERTICAL DATUMS ESTABLISHED BY RTK GPS OBSERVATION UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK) WITH CHECKS TO WSDOT CONTROL POINTS 5915 AND 4214, AND WITH VERTICAL CHECKS TO WSDOT 5917 AND WSDOT 5902.

WASHINGTON AVE N								
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG/DELTA	RADIUS	PI STA	TAN
L1	6+00.00	566069.65	1198801.67	52.62'	S 32°52'23" E			
C1	6+52.62	566025.46	1198830.23	267.01'	33°59'49"	450.00'	7+90.18	137.57'
L2	9+19.63	565772.38	1198902.20	768.64'	S 1°07'26" W			

CARTER ST E								
NUMBER	START STA	NORTHING	EASTING	LENGTH	BRNG/DELTA	RADIUS	PI STA	TAN
L10	73+37.50	565007.07	1198724.65	286.90'	S 88°52'40" E			
C12	76+24.40	565001.45	1199011.50	40.35'	33°01'39"	70.00'	76+45.16	20.75'
L11	76+64.75	564989.40	1199049.42	11.45'	S 55°51'01" E			

CONTROL POINTS			
NO	NORTHING	EASTING	DESCRIPTION
①	565962.17	1198810.88	BM27161-34 (CASED MON)
②	565721.20	1198931.11	REBAR & CAP
③	565692.03	1198900.62	SURFACE MON
④	565002.73	1198934.23	SURFACE MON
⑤	565003.89	1198887.12	SURFACE MON
⑥	564147.05	1198870.16	SURFACE MON
⑦**	561888.64	1198475.29	BM27161-47 (SURFACE MON)

\*\*INDICATES NOT SHOWN ON SHEET

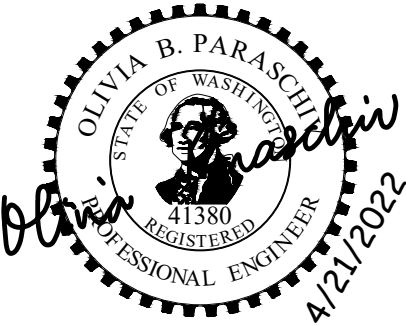


**LEGEND**

- (X) SITE PREPARATION PLANS
- (X) ROADWAY ALIGNMENT PLANS
- (X) URBAN DESIGN/LANDSCAPE PLANS
- (X) ILLUMINATION PLANS
- (X) CHANNELIZATION PLANS

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089INDX.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	GWT
PROJECT ENGINEER	DATE	DESIGNED BY
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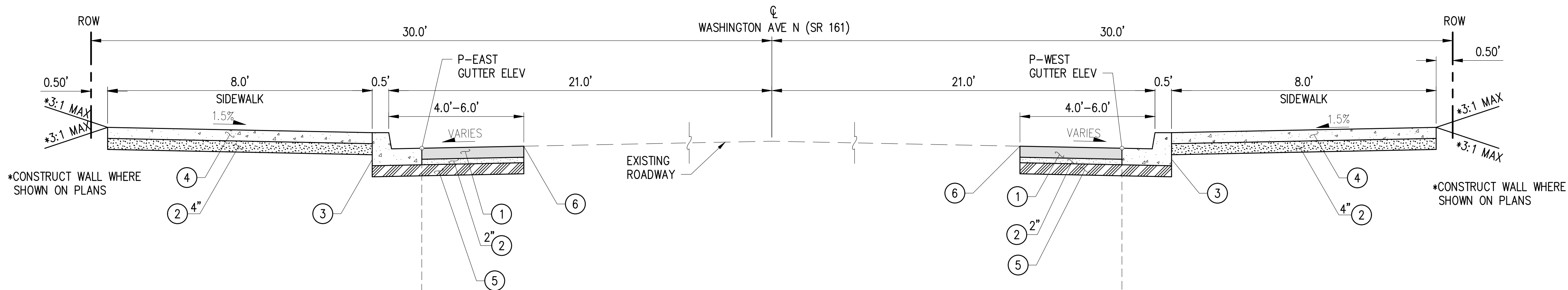
**TOWN OF EATONVILLE**  
**SR 161/WASHINGTON AVE N**  
**CORRIDOR STREETSCAPE PHASE 2**

**SHEET INDEX AND SURVEY CONTROL**

KPG PROJECT No. 10089A SHT 3 OF 35

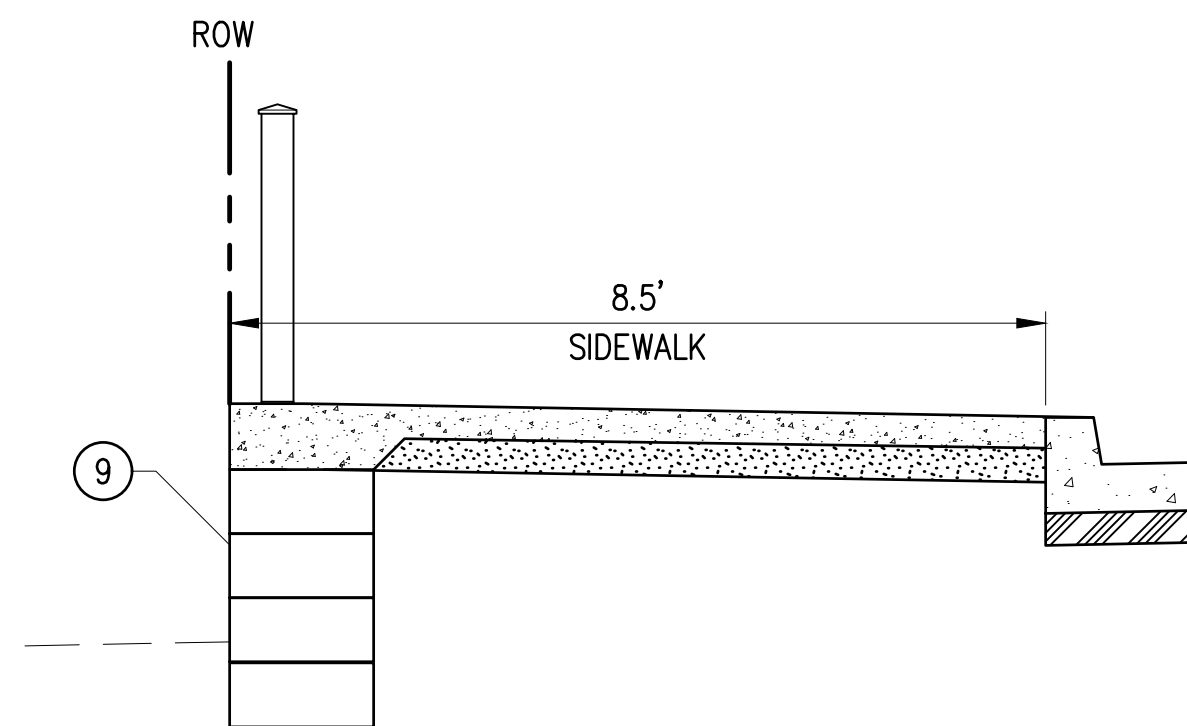


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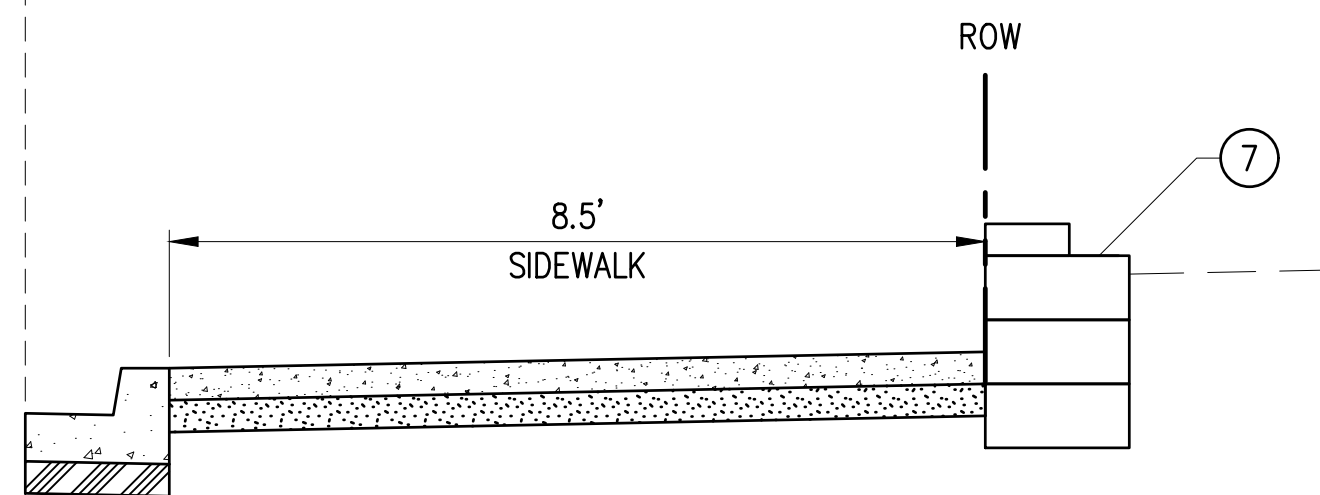
#### WASHINGTON AVE N (SR 161) TYPICAL SECTION

LOOKING SOUTH  
APPROX. STA 10+00 TO STA 23+10  
NTS



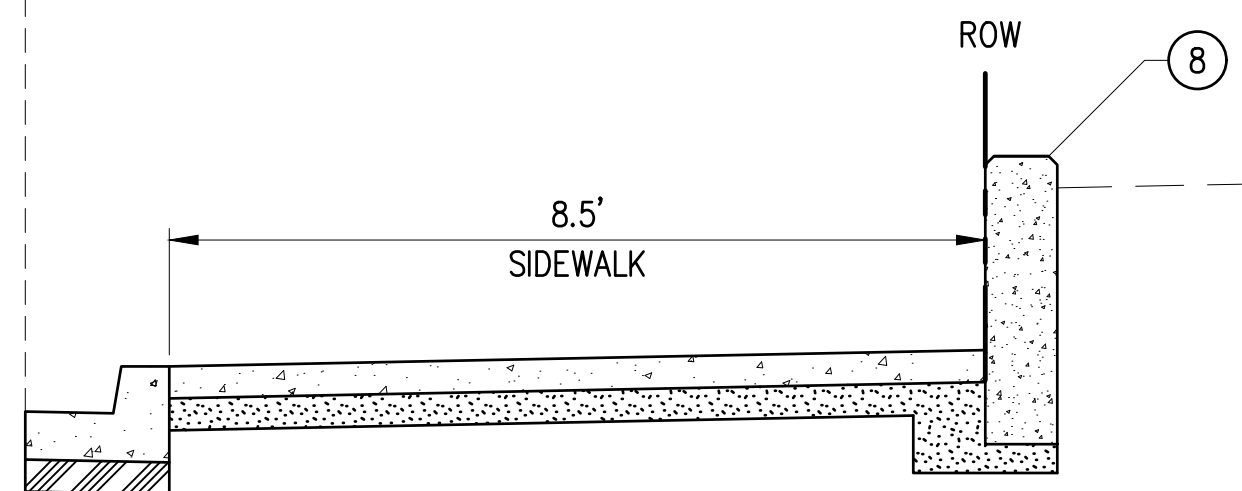
#### ALTERNATE SECTION LT 1

LOOKING SOUTH  
APPROX. STA 13+52 TO APPROX. STA 14+18  
APPROX. STA 14+70 TO APPROX. STA 15+75  
NTS



#### ALTERNATE SECTION RT 1

LOOKING SOUTH  
APPROX. STA 10+27 TO APPROX. STA 11+10  
APPROX. STA 11+50 TO APPROX. STA 12+23  
APPROX. STA 12+83 TO APPROX. STA 13+21  
APPROX. STA 15+17 TO APPROX. STA 15+73  
NTS



#### ALTERNATE SECTION RT 2

LOOKING SOUTH  
APPROX. STA 17+17 TO APPROX. STA 17+71  
NTS

#### TYPICAL SECTION NOTES

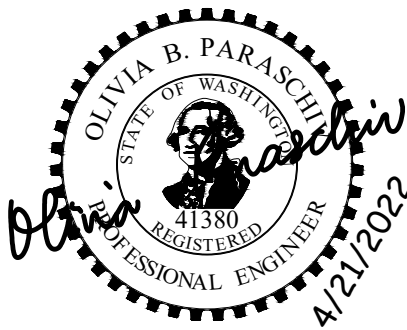
- SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 2-06 OF THE STANDARD SPECIFICATIONS.
- EMBANKMENTS SHALL BE CONSTRUCTED PER SECTION 2-03 OF THE STANDARD SPECIFICATIONS.
- IF UNSUITABLE SUBGRADE IS ENCOUNTERED, THE CONTRACTOR SHALL CAREFULLY OVER-EXCAVATE TO A MAXIMUM DEPTH OF 1' AND REPLACE WITH CSBC OR AS DIRECTED BY THE ENGINEER.
- ACCESS TO ADJACENT PROPERTY MUST BE MAINTAINED AT ALL TIMES UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE AND APPROVED BY THE ENGINEER.
- SAVE AND PROTECT ALL EXISTING VEGETATION AND EXISTING IRRIGATION SYSTEMS OUTSIDE OF LIMITS OF CLEARING AND GRUBBING.

#### MATERIAL CODE

- 4" HMA CL  $\frac{1}{2}$ " PG 58H-22.
- CRUSHED SURFACING TOP COURSE.
- CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STD PLAN F-10.12-04.
- 4" CEMENT CONCRETE SIDEWALK PER WSDOT STD PLAN F-30.10-04 OR 6" CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT STD PLAN F-80.10-04.
- 4" CRUSHED SURFACING BASE COURSE.
- SAWCUT LINE. SEE SITE PREPARATION PLANS, SHEETS 8-10 FOR LOCATIONS. SEAL JOINT W/ EMULSIFIED ASPHALT.
- MODULAR BLOCK CUT WALL PER DETAIL E, SHEET 5.
- CIP WALL PER DETAIL H, SHEET 6.
- MODULAR BLOCK FILL WALL PER DETAIL C, SHEET 5.

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089TYPSEC.dwg
ENGINEERING MANAGER	DATE	FILENAME
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PROJECT ENGINEER	DATE	DRAWN BY
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TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

TYPICAL ROADWAY SECTIONS

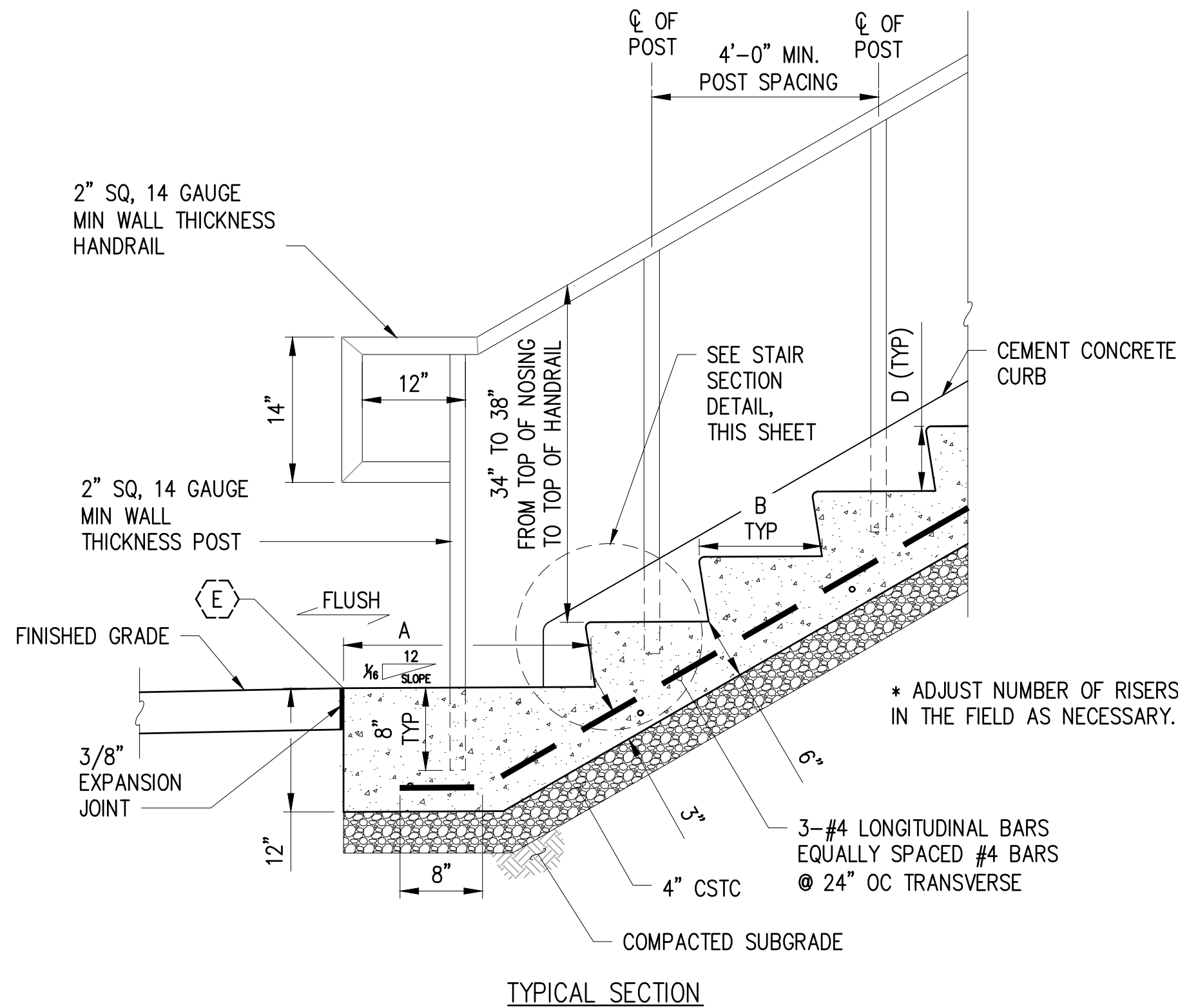
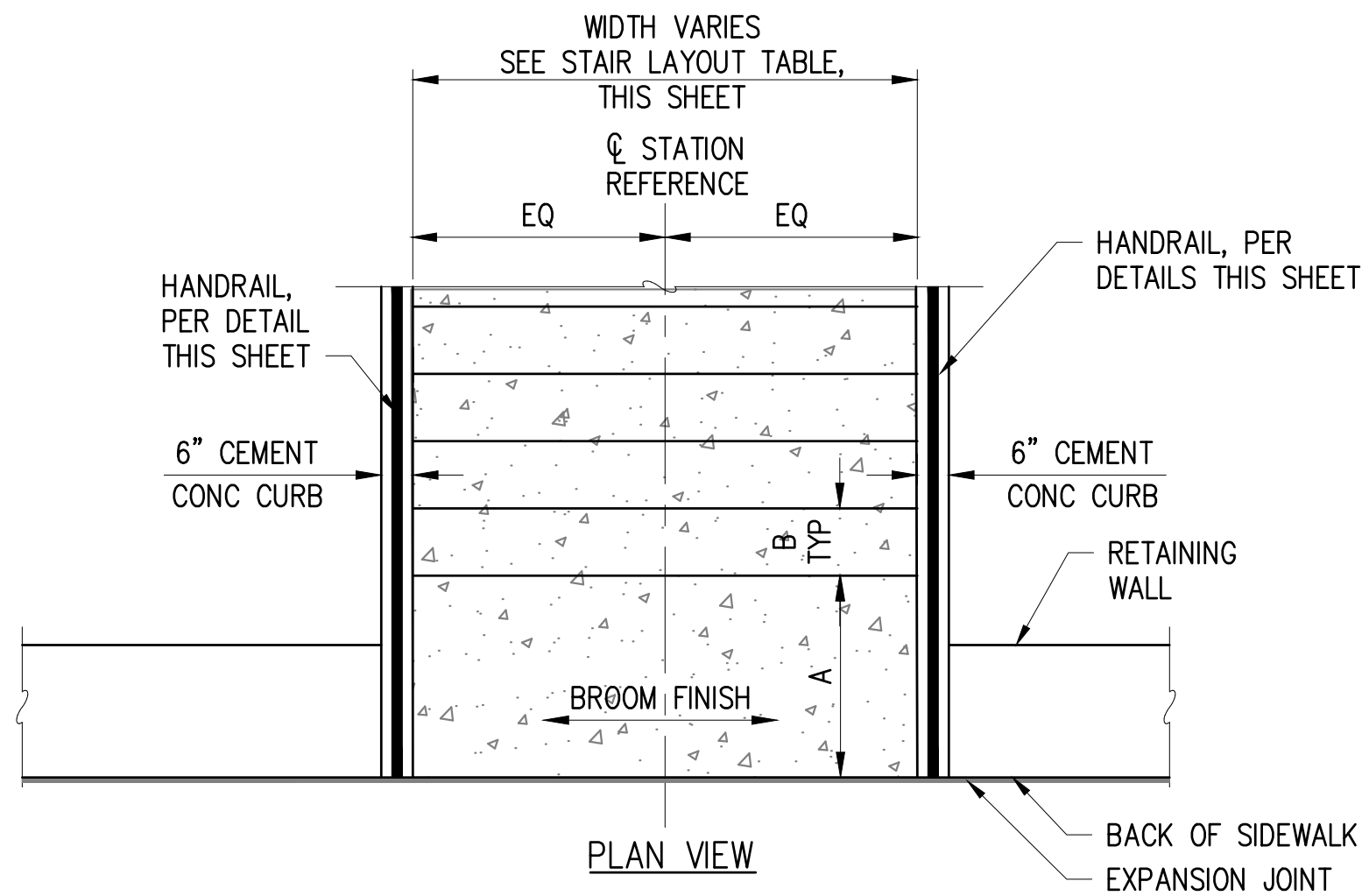
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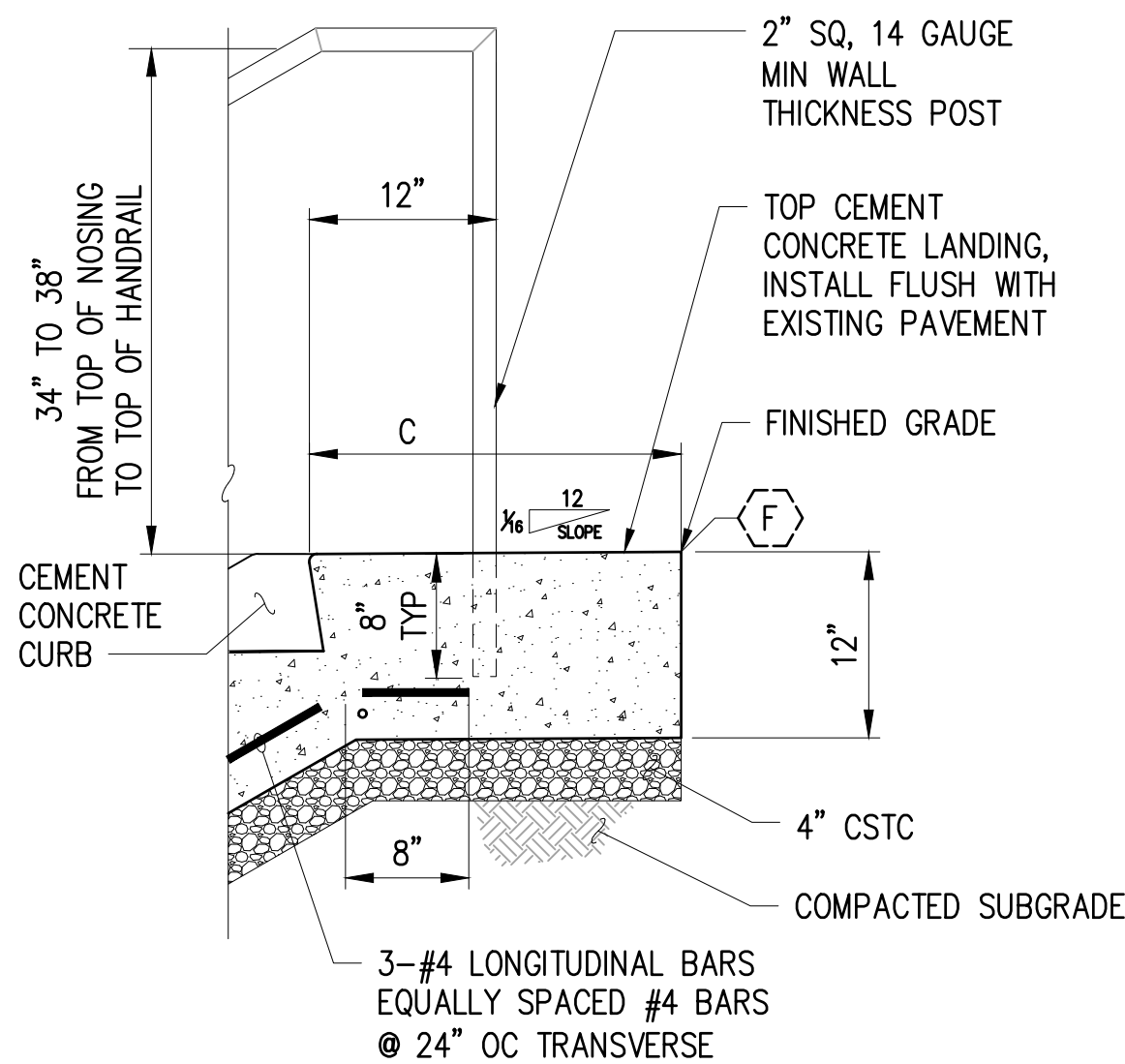
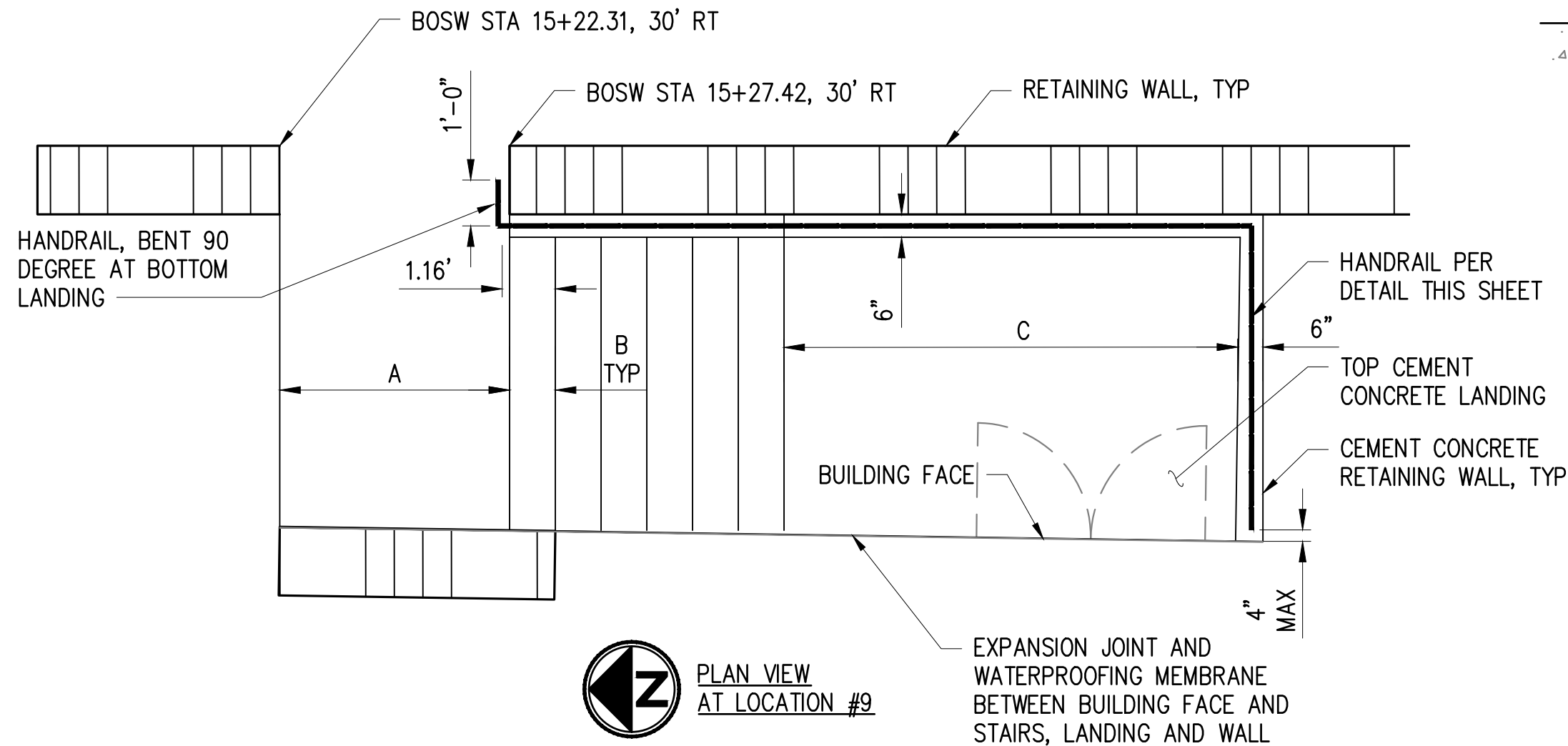
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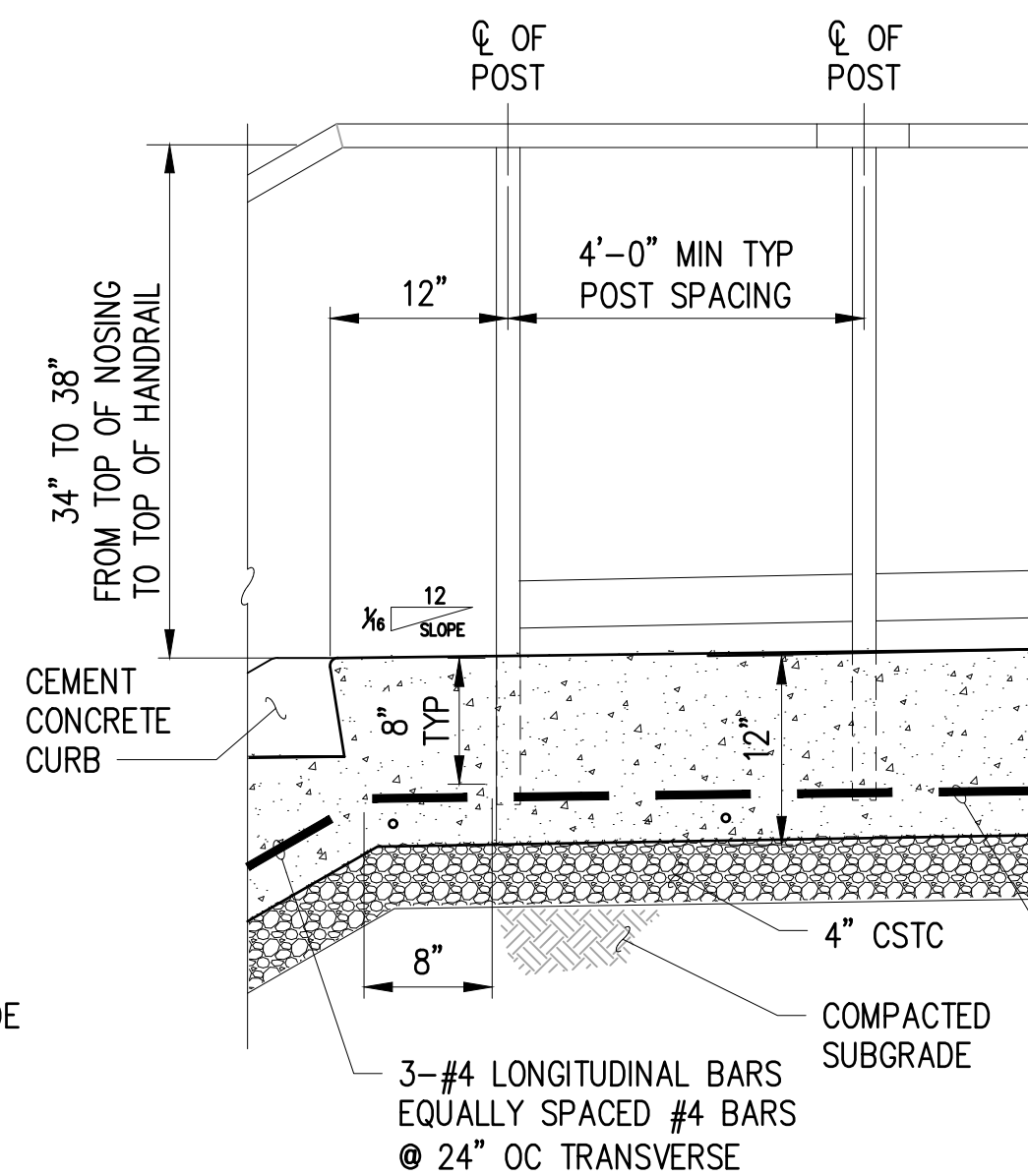
**CONCRETE STAIRS AND LANDING W/ HANDRAIL DETAIL** F  
NTS

STAIR LAYOUT TABLE								
LOCATION	STATION	A	B	C	D	E	F	WIDTH
1	11+12.70 RT	2'	1'	2'	4.5" - 5"	800.46	802.10	5'
2	11+81.09 RT	2'	1'	2'		799.82	802.02	5'
3	12+25.64 RT	2'	1'	2'	6"	799.43	801.35	5'
4	13+22.74 RT	2'	1'	2'	4" - 6"	798.94	801.16	4'
5	13+86.75 LT	2'	1'	2'	6" - 7"	798.77	795.28	4'
6	15+33.94 LT	2'	1'	2'	5.5"	798.14	794.90	4'
7	16+14.41 LT	2'	1'	2'	4.5"	797.88	796.82	5'
8	17+38.34 RT	2'	1'	3'	4" - 7"	797.59	798.86	4'
9 (CHURCH)	15+24.83 RT	5'	1'	9.97'	5" - 7"	798.20	802.00	6.4'-6.6'

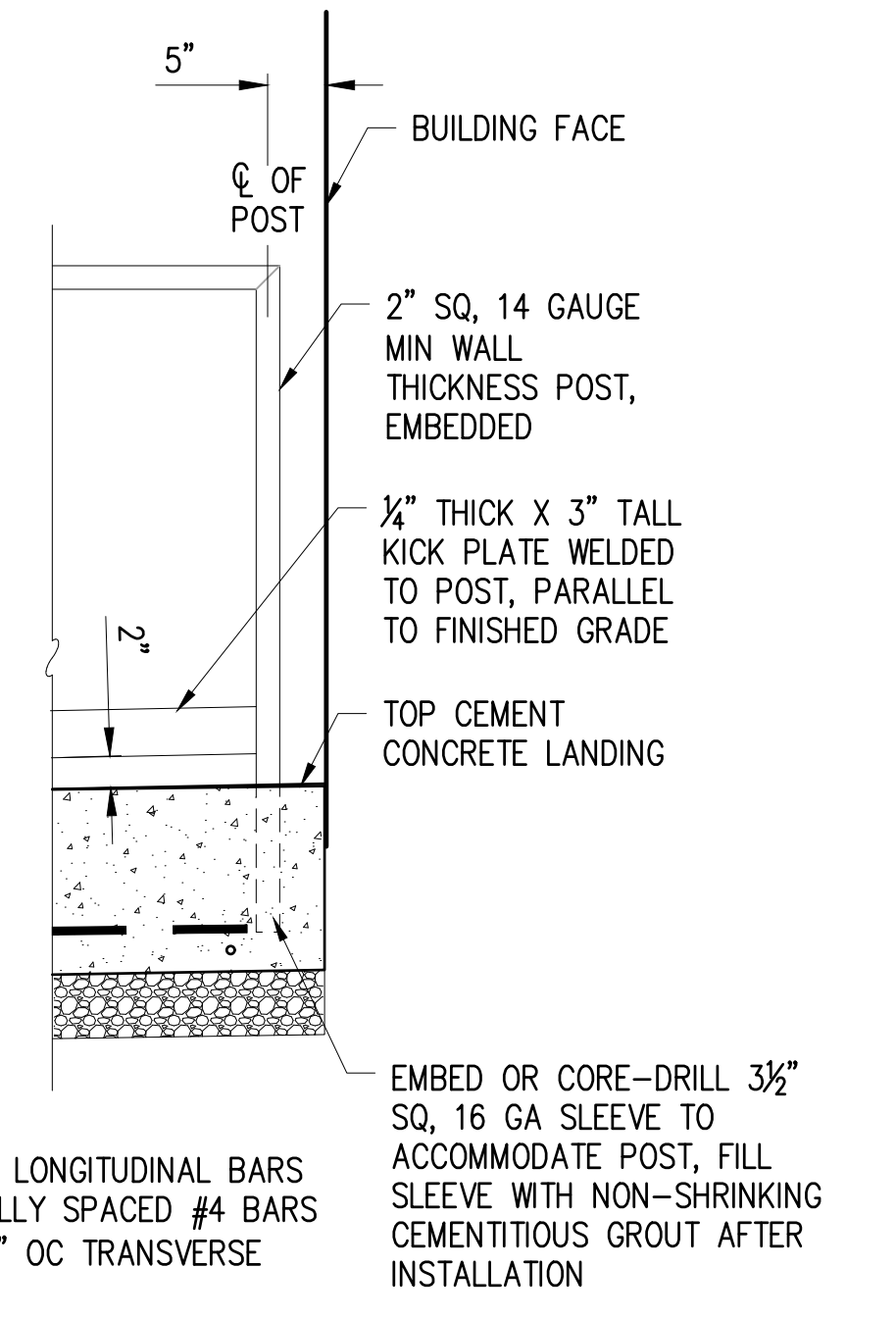
**STAIR LAYOUT TABLE DETAIL** G  
NTS



**TYPE 1 TOP OF STAIR SECTION**  
AT LOCATIONS #1-#8

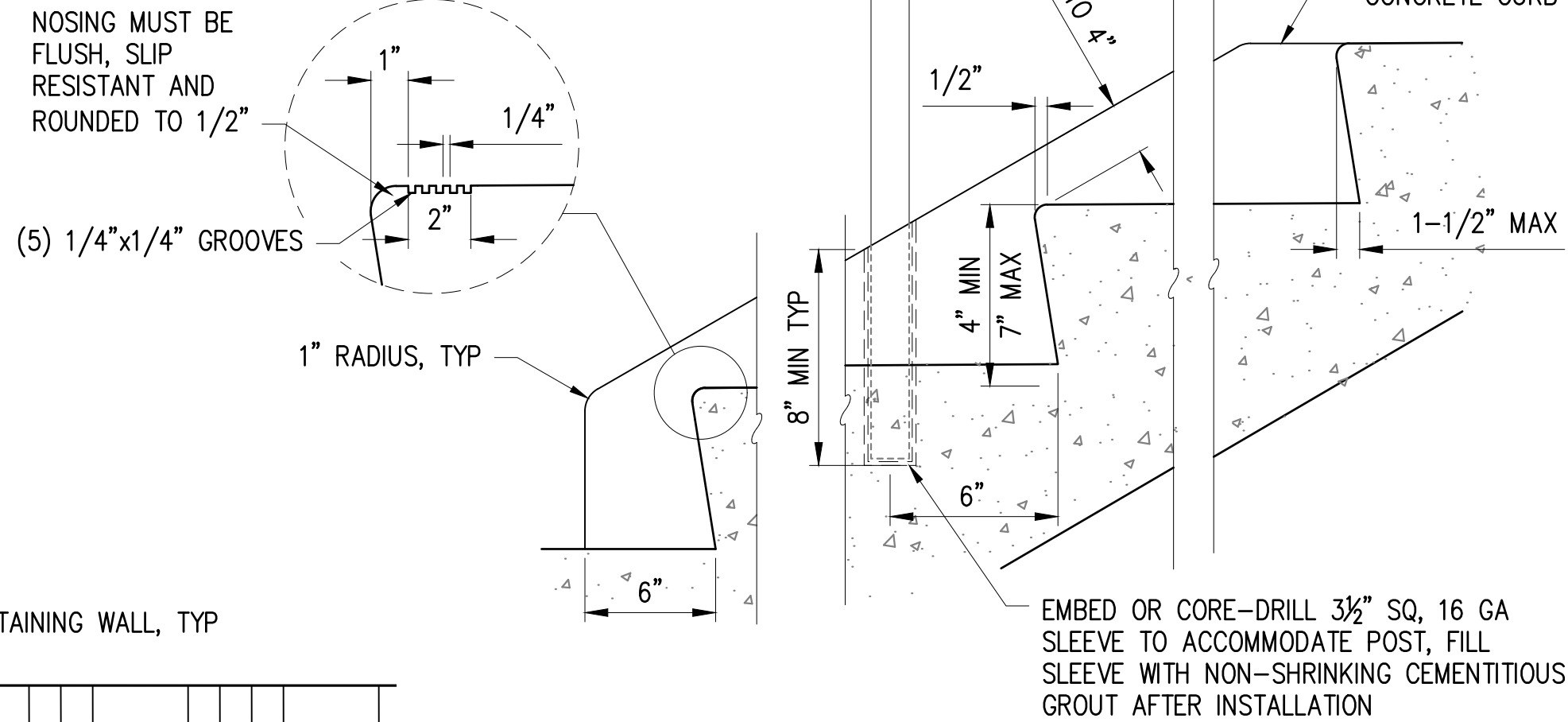


**TYPE 2 TOP OF STAIR SECTION**  
AT LOCATION #9



**TYPE 2 END OF HANDRAIL SECTION**  
AT LOCATION #9

**CEMENT CONCRETE TOP LANDING W/ HANDRAIL DETAIL** M  
NTS



**STAIR SECTION DETAIL**

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089DET.dwg
ENGINEERING MANAGER	DATE	GWTF 10/2021
DESIGNED BY	DATE	GWTF 10/2021
PROJECT MANAGER	DATE	GWTF 10/2021
DRAWN BY	DATE	OBP 10/2021
PROJECT ENGINEER	DATE	CHECKED BY 10/2021



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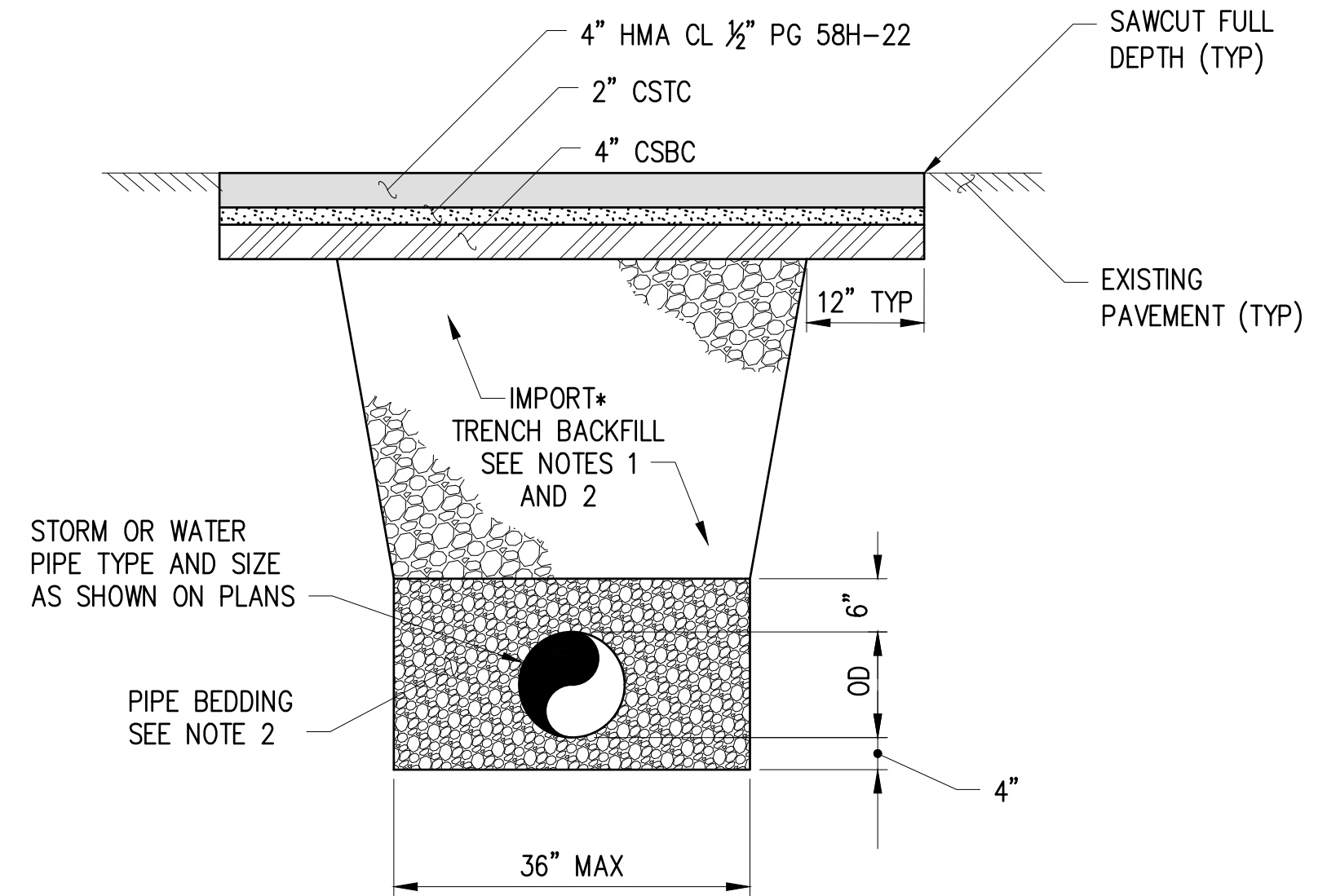


**TOWN OF EATONVILLE**  
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**STREETSCAPE PHASE 2**

<b>ROADWAY DETAILS</b>	
KPG PROJECT No. 10089A	SHT <u>6</u> OF <u>35</u>



1. HYDRANT LOCATIONS SHALL BE PER ROADWAY PLANS, SHEETS 11-16. IN ADDITION, A MINIMUM THREE FOOT RADIUS UNOBSTRUCTED WORKING AREA SHALL BE PROVIDED AROUND ALL HYDRANTS.
2. HYDRANT SHALL BE WATEROUS PACER, DRESSER M & H RELIANT STYLE 929, MUELLER CENTURION, OR CLOW MEDALLION.
3. GATE VALVES SHALL BE RESILIENT WEDGE NDS WITH O-RING SEALS. VALVE ENDS SHALL BE MECHANICAL JOINT BY ANSI FLANGES. VALVES SHALL CONFORM TO AWWA 509-80. VALVES SHALL BE MUELLER M&H, KENNEDY, CLOW R/W OR WATEROUS SERIES 500.
4. FLANGE ELEVATION MIN 2" - MAX 6" ABOVE FINISHED GRADE
5. INSTALL TYPE 2 BLUE REFLECTIVE HYDRANT MARKER IN CONJUNCTION WITH HYDRANT. THE HYDRANT MARKER SHALL BE ALIGNED WITH THE OUTSIDE EDGE OF THE LANE MARKER OR 8" FROM THE CENTER OF THE RPM TO THE CENTERLINE OF THE ROADWAY.



TRENCH BACKFILL NOTES:

1. TRENCH BACKFILL FOR STORM SYSTEM AND WATER SYSTEM WITHIN RIGHT-OF-WAY SHALL BE CRUSHED SURFACING TOP OR BASE COURSE PER WSDOT 9-03.9(3).
2. TRENCH BACKFILL FOR STORM SYSTEM OUT SIDE OF RIGHT-OF-WAY MAY BE SELECT NATIVE MATERIALS.
3. PIPE BEDDING MATERIAL SHALL BE GRAVEL BACKFILL FOR DRAINS PER WSDOT 9-03.12(4).
4. BACKFILL AND COMPACTION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
  - A. INITIAL LIFT OF 18" (LOOSE) MAXIMUM SHALL BE PLACED OVER PIPE BEDDING AND COMPACTED TO 90% OF ASTM: D-1557.
  - B. BACKFILL UP TO 3' BELOW PAVEMENT BOTTOM SHALL BE PLACED IN LIFTS OF 24" (LOOSE) MAXIMUM AND COMPACTED TO 90% OF ASTM: D-1557.
  - C. BACKFILL 3' AND LESS FROM PAVEMENT BOTTOM SHALL BE PLACED IN LIFTS OF 8" (LOOSE) MAXIMUM AND COMPACTED TO 95% OF ASTM: D-1557.
  - D. ALL PAVEMENT BASE AND SUBBASE COURSES SHALL BE PLACED AND COMPACTED TO 95% OF ASTM: D-1557.

## TRENCH BACKFILL & TRENCH PATCH DETAIL



NO.	DATE	BY	APPR.	REVISIONS	Approved By	10089DET.dwg
						FILENAME
						DATE 10/2021
					ENGINEERING MANAGER	DATE 10/2021
						DESIGNED BY
						DATE 10/2021
					PROJECT MANAGER	DATE 10/2021
						DRAWN BY
						DATE 10/2021
					PROJECT ENGINEER	DATE 10/2021
						CHECKED BY
						DATE



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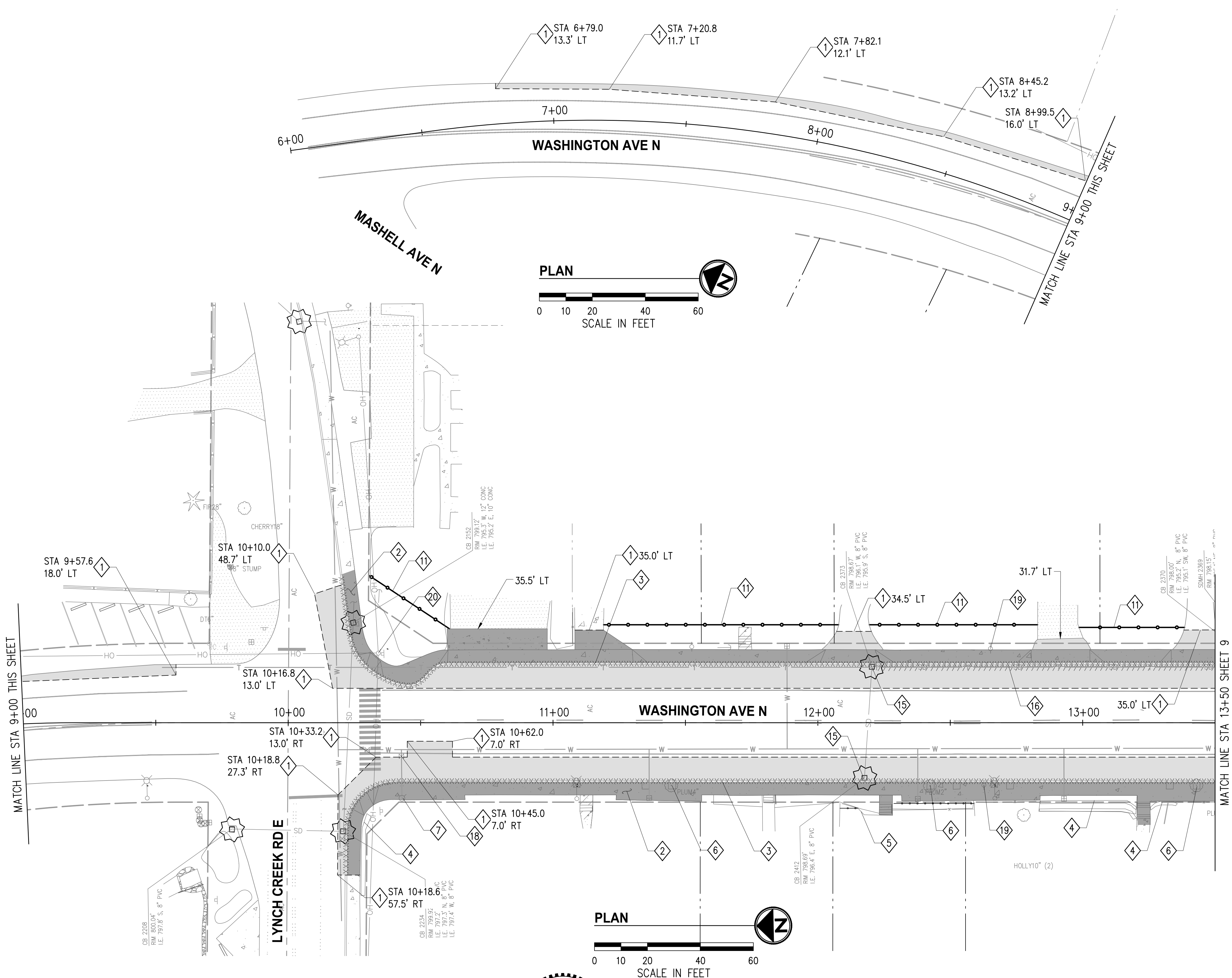


TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N CORRIDOR  
STREETSCAPE PHASE 2

## ROADWAY DETAILS



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LEGEND

- SAWCUT
- ////// REMOVE WATER OR STORM PIPE, AS NOTED
- xxxxxxx REMOVE CURB
- REMOVE ASPHALT PAVEMENT
- REMOVE CEMENT CONC. PAVEMENT
- INLET PROTECTION
- SILT FENCE

GENERAL SITE PREPARATION NOTES

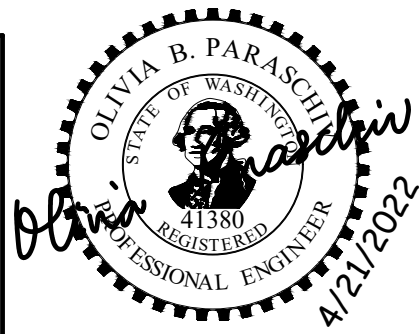
- SAWCUT LINES ARE TYPICALLY NOT SHOWN FOR THE CONSTRUCTION AND REMOVAL OF UNDERGROUND UTILITIES.
- FOR TREATMENT OF EXISTING LUMINAIRES, JUNCTION BOXES, AND ASSOCIATED EQUIPMENT, SEE ILLUMINATION PLANS, SHEETS 28-30.
- FOR TREATMENT OF EXISTING SIGNS, SEE SHEETS 33-35.
- FRANCHISE UTILITY VAULTS AND SURFACE CASTINGS SHALL BE ADJUSTED TO GRADE OR RELOCATED BY OTHERS. CONTRACTOR TO COORDINATE WITH FRANCHISE UTILITIES.
- PROVIDE INLET PROTECTION FOR ALL EXISTING AND PROPOSED CATCH BASINS, AND AS DIRECTED BY THE ENGINEER.
- REFER TO WSDOT STANDARD SPECIFICATION SECTION 8-01 FOR ADDITIONAL TEMPORARY EROSION CONTROL REQUIREMENTS.
- FOR TREATMENT OF EXISTING WATER METERS, SEE SHEETS 11-16.
- TRASH RECEPTACLES, BENCHES, AND WOOD BARREL PLANTERS WITHIN THE RIGHT OF WAY SHALL BE REMOVED AND SALVAGED TO THE TOWN.

SITE PREPARATION NOTES

- SAWCUT AND REMOVE ASPHALT PAVEMENT TO THE LIMITS SHOWN.
- REMOVE CEMENT CONC PAVEMENT, SIDEWALK OR DRIVEWAY ENTRANCE TO LIMITS SHOWN OR NEAREST JOINT WITHIN 6 FEET OF LIMITS.
- REMOVE CURB AND GUTTER.
- REMOVE WALL.
- RELOCATE EXISTING FENCE. SEE ROADWAY PLANS, SHEETS 11-16.
- REMOVE TREE.
- REMOVE FIRE HYDRANT ASSEMBLY AND PIPE TO AUXILIARY VALVE, INSTALL MJ PLUG ON VALVE, SALVAGE FIRE HYDRANT TO THE CITY.
- EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WITH COMCAST.
- REMOVE HANDRAIL.
- INSTALL SILT FENCE.
- REMOVE CATCH BASIN.
- REMOVE STORM PIPE.
- REMOVE WATER VALVE BOX, CLOSE VALVE, INSTALL MJ PLUG ON VALVE.
- REMOVE BANNER POLE AND SALVAGE TO TOWN.
- UTILITY POLE TO BE RELOCATED BY THE TOWN.

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089DEMO.dwg	
ENGINEERING MANAGER	DATE	FILENAME	8/2021
PROJECT MANAGER	DATE	DESIGNED BY	8/2021
PROJECT ENGINEER	DATE	DRAWN BY	8/2021
		OBP	8/2021
		CHECKED BY	DATE



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**DOCUMENTS**

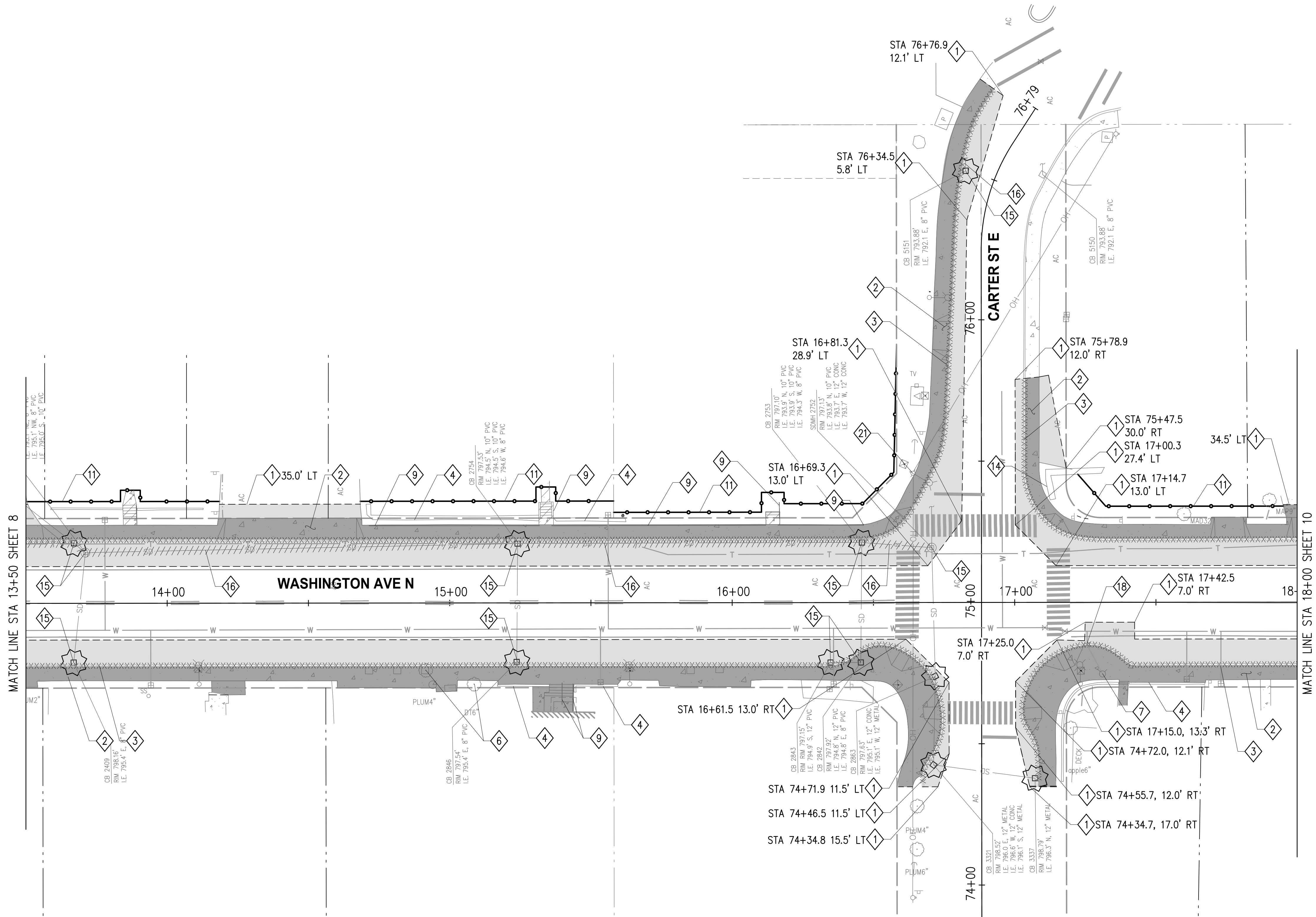


**TOWN OF EATONVILLE**  
**SR 161/WASHINGTON AVE N**  
**CORRIDOR STREETSCAPE PHASE 2**

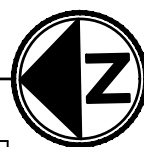
**SITE PREPARATION PLAN**  
STA 6+00 TO STA 13+50  
KPG PROJECT No. 10089A SHT 8 OF 35



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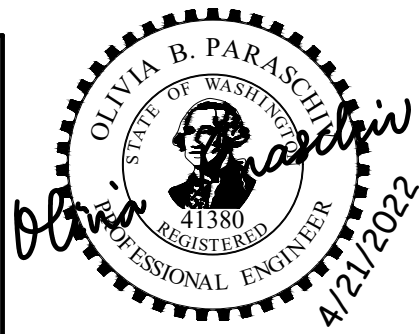


PLAN



NO.	DATE	BY	APPR.	REVISIONS

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ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	DRAWN BY
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TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

SITE PREPARATION PLAN	
STA 13+50 TO STA 18+00	
KPG PROJECT No. 10089A	SHT <u>9</u> OF <u>35</u>

## LEGEND

- SAWCUT
- //////// REMOVE WATER OR STORM PIPE, AS NOTED
- xxxxxxx REMOVE CURB
- REMOVE ASPHALT PAVEMENT
- REMOVE CEMENT CONC. PAVEMENT
- INLET PROTECTION
- SILT FENCE

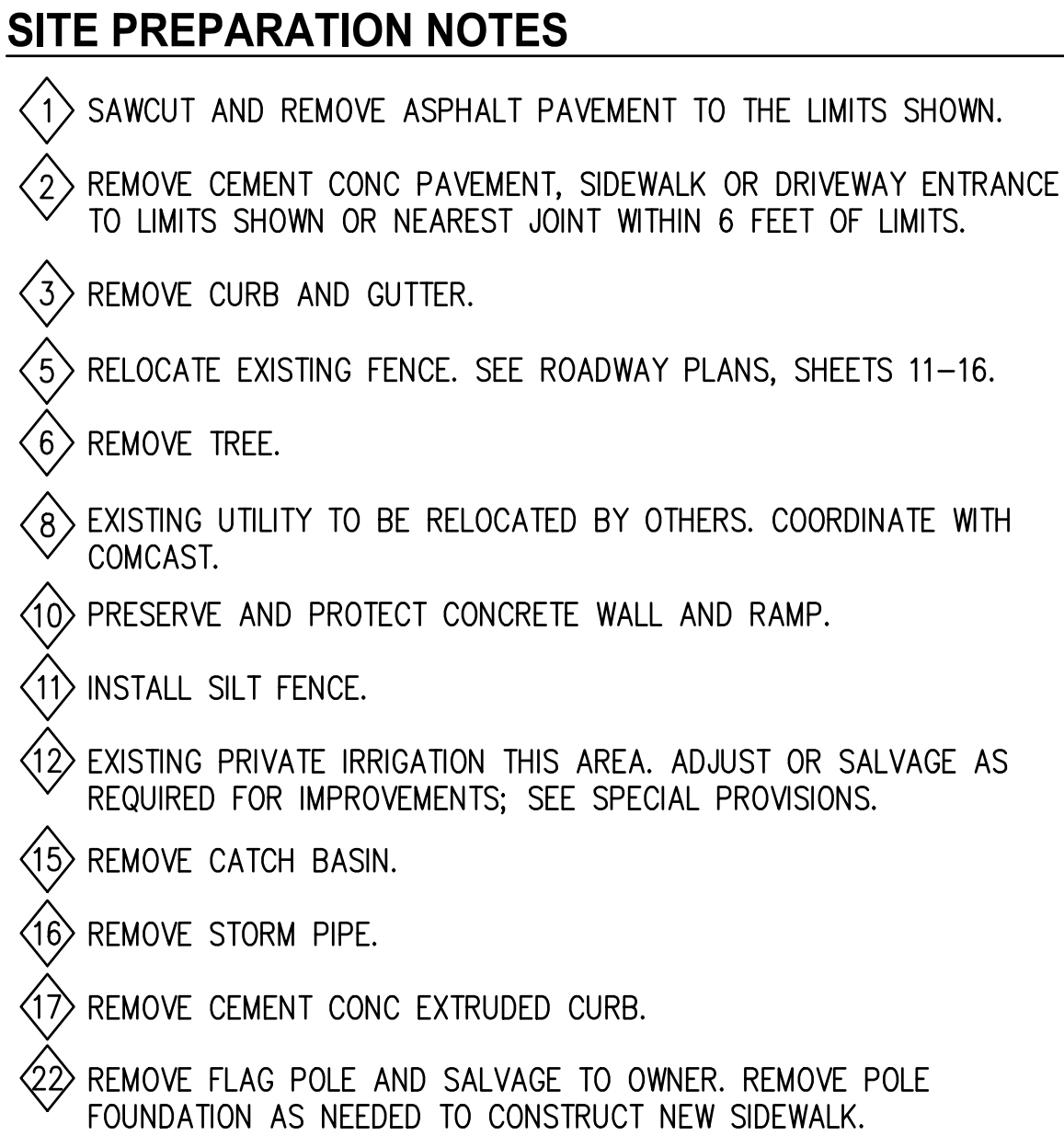
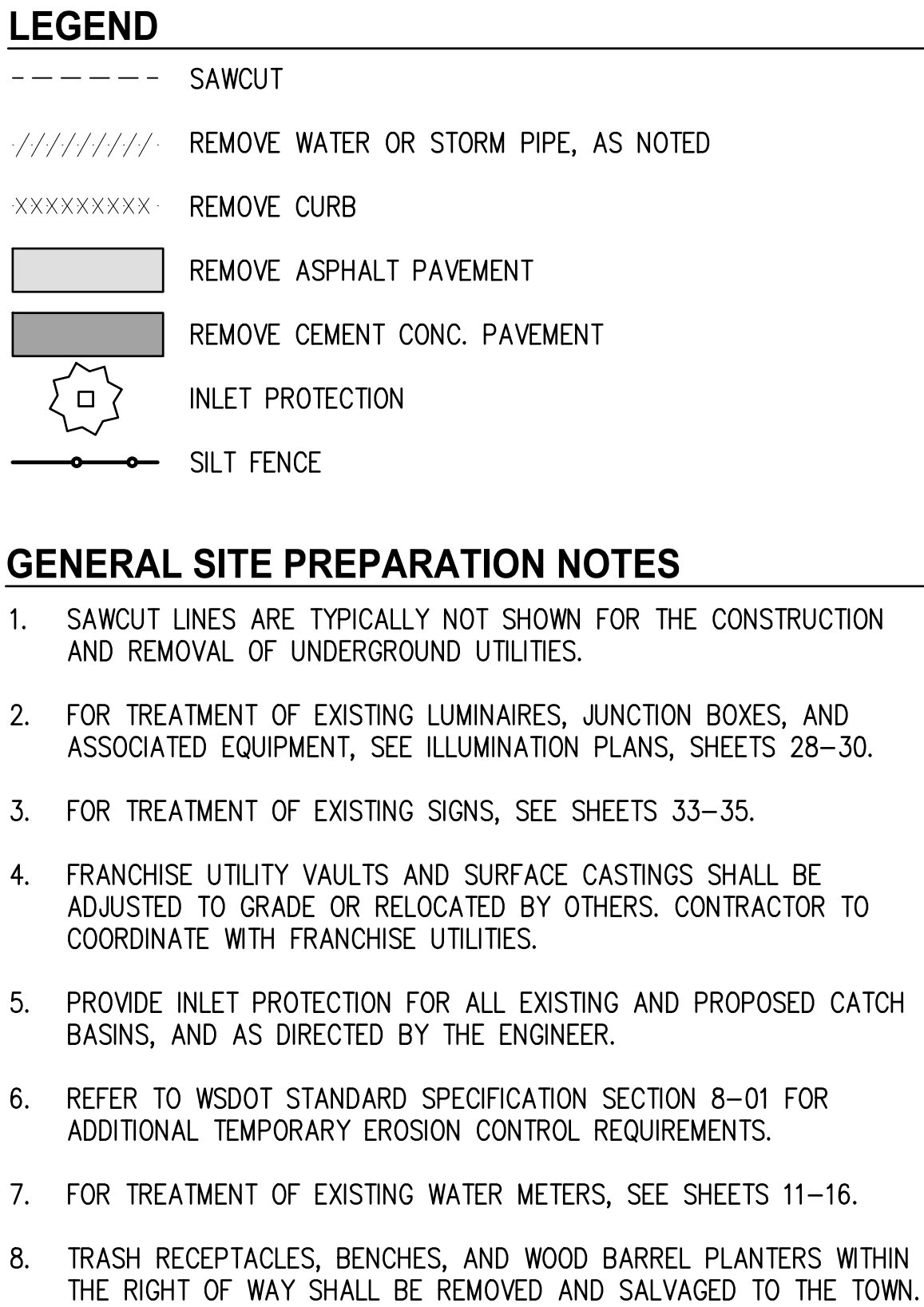
## GENERAL SITE PREPARATION NOTES

- SAWCUT LINES ARE TYPICALLY NOT SHOWN FOR THE CONSTRUCTION AND REMOVAL OF UNDERGROUND UTILITIES.
- FOR TREATMENT OF EXISTING LUMINAIRES, JUNCTION BOXES, AND ASSOCIATED EQUIPMENT, SEE ILLUMINATION PLANS, SHEETS 28-30.
- FOR TREATMENT OF EXISTING SIGNS, SEE SHEETS 33-35.
- FRANCHISE UTILITY VAULTS AND SURFACE CASTINGS SHALL BE ADJUSTED TO GRADE OR RELOCATED BY OTHERS. CONTRACTOR TO COORDINATE WITH FRANCHISE UTILITIES.
- PROVIDE INLET PROTECTION FOR ALL EXISTING AND PROPOSED CATCH BASINS, AND AS DIRECTED BY THE ENGINEER.
- REFER TO WSDOT STANDARD SPECIFICATION SECTION 8-01 FOR ADDITIONAL TEMPORARY EROSION CONTROL REQUIREMENTS.
- FOR TREATMENT OF EXISTING WATER METERS, SEE SHEETS 11-16.
- TRASH RECEPTACLES, BENCHES, AND WOOD BARREL PLANTERS WITHIN THE RIGHT OF WAY SHALL BE REMOVED AND SALVAGED TO THE TOWN.

## SITE PREPARATION NOTES

- SAWCUT AND REMOVE ASPHALT PAVEMENT TO THE LIMITS SHOWN.
- REMOVE CEMENT CONC PAVEMENT, SIDEWALK OR DRIVEWAY ENTRANCE TO LIMITS SHOWN OR NEAREST JOINT WITHIN 6 FEET OF LIMITS.
- REMOVE CURB AND GUTTER.
- REMOVE WALL.
- REMOVE TREE.
- REMOVE FIRE HYDRANT ASSEMBLY AND PIPE TO AUXILIARY VALVE, INSTALL MJ PLUG ON VALVE, SALVAGE FIRE HYDRANT TO THE CITY.
- EXISTING UTILITY TO BE RELOCATED BY OTHERS. COORDINATE WITH COMCAST.
- REMOVE HANDRAIL.
- INSTALL SILT FENCE.
- REMOVE STONE WALL & SALVAGE TO PROPERTY OWNER.
- REMOVE CATCH BASIN.
- REMOVE STORM PIPE.
- REMOVE WATER VALVE BOX, CLOSE VALVE, INSTALL MJ PLUG ON VALVE.
- UTILITY POLE AND GUY TO BE REMOVED BY THE TOWN.





# BID DOCUMENTS



TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

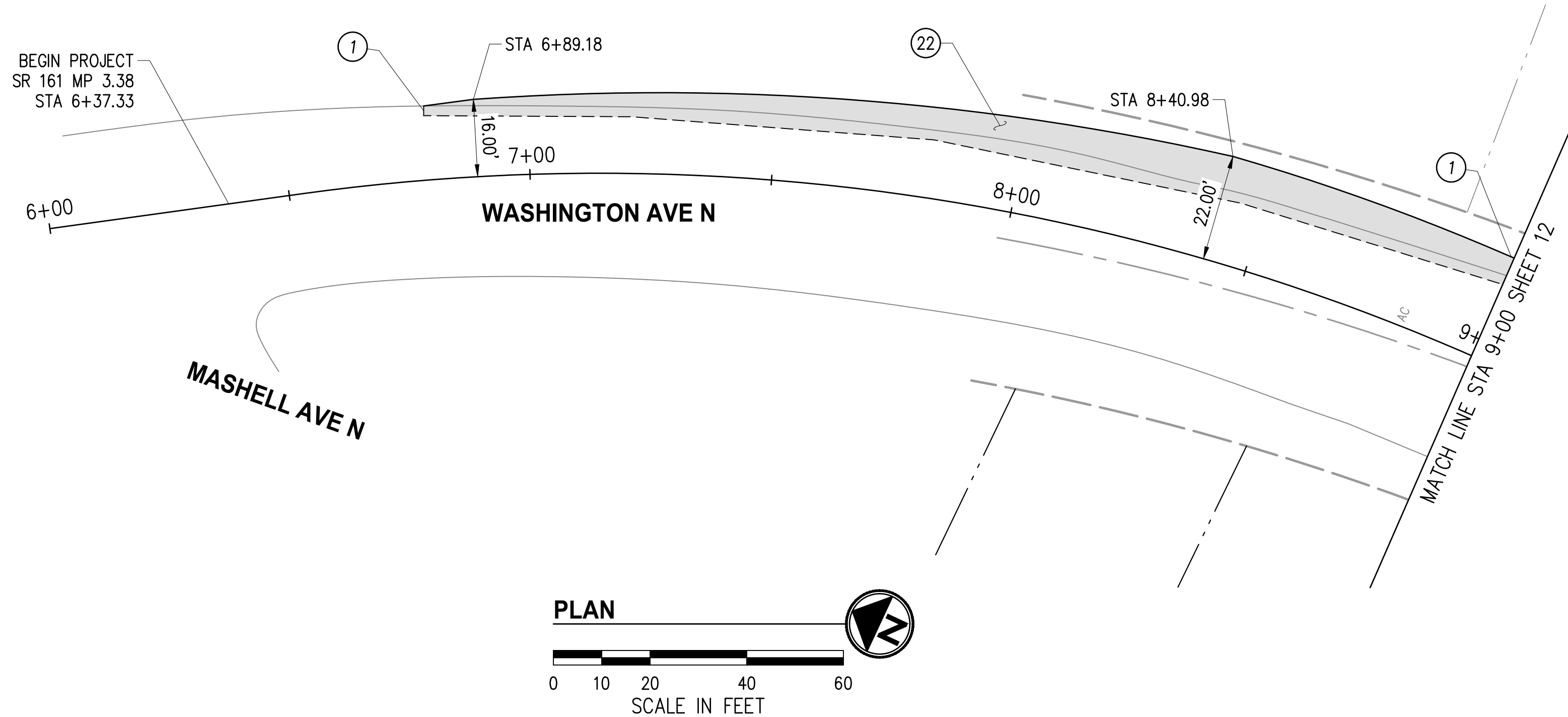
# SITE PREPARATION PLAN

## STA 18+00 TO STA 23+50

KPG PROJECT No. 10089A	SHT <u>10</u>	OF <u>35</u>	
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GENERAL CONSTRUCTION NOTES

- SEE SHEET 4 FOR TYPICAL ROADWAY SECTION AND PAVEMENT DEPTH.
- CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION/EXCAVATION.
- LOCATION OF EXISTING UNDERGROUND UTILITIES IS APPROXIMATE, CONTRACTOR TO VERIFY.
- FOR STATIONING CONTROL SEE SURVEY CONTROL, SHEET 3.
- CATCH BASIN STATION & OFFSET DISTANCES ARE TO CENTER OF STRUCTURE. PIPE INVERT ELEVATIONS ARE SPECIFIED TO THE PROJECTED CENTER OF STRUCTURE.
- FOR TRENCHING REQUIREMENTS, SEE TRENCH BACKFILL & TRENCH PATCH DETAIL, SHEET 7.
- INSTALL STRUCTURAL SOIL AT ALL TREE GRATE LOCATIONS BEFORE INSTALLING SIDEWALK, SEE DETAIL SHEET 25 AND LANDSCAPE PLAN SHEETS 22-23 FOR LOCATIONS.
- FOR SIDEWALK MATERIALS, SCORING PATTERN, AND OTHER URBAN DESIGN FEATURES, SEE URBAN DESIGN PLANS & DETAILS, SHEETS 22-27.

CONSTRUCTION NOTES

- MATCH EXISTING.
- CONSTRUCT NEW PAVEMENT SECTION WITH 4" HMA CL ½" PG 58H-22 OVER 4" CSBC.

NO.	DATE	BY	APPR.	REVISIONS

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ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	DRAWN BY
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**PSOMAS**

**Tacoma**  
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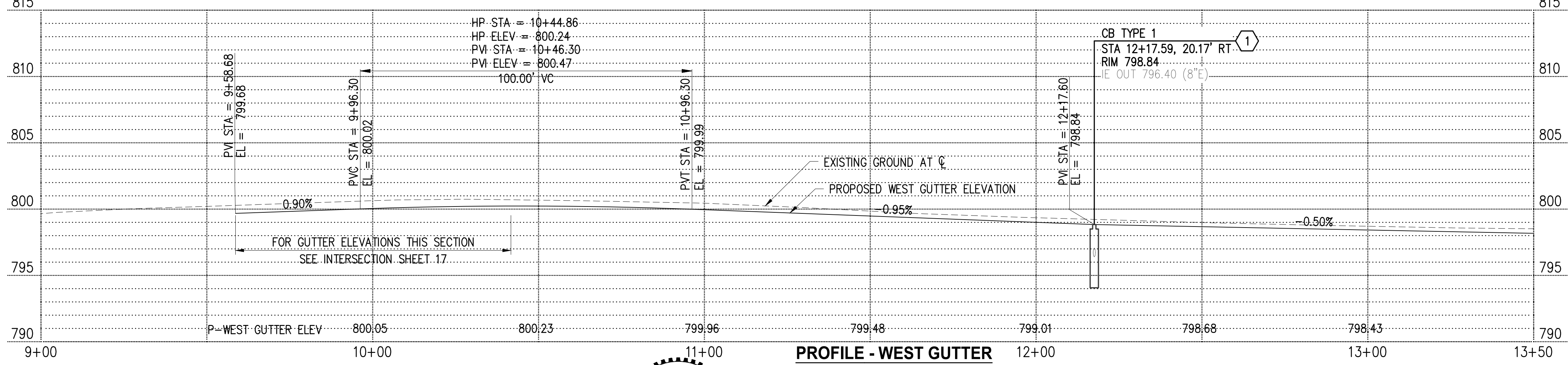
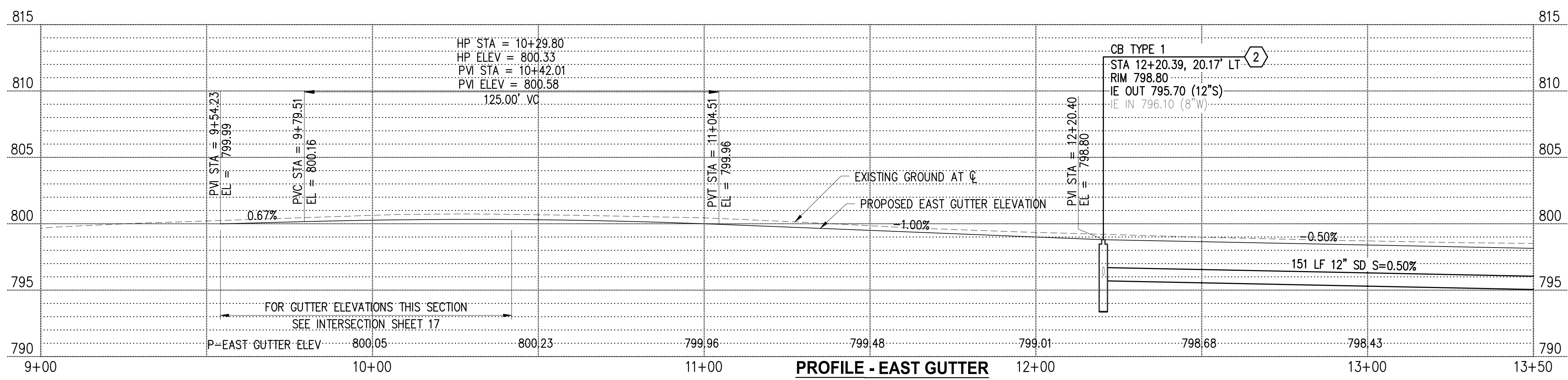
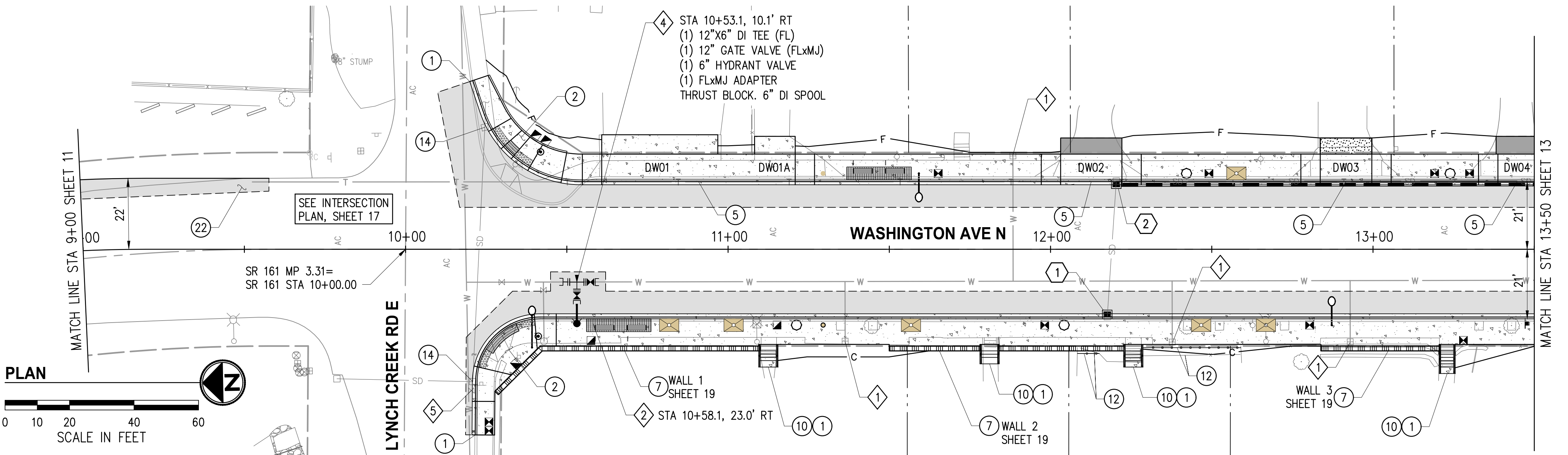
TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

ROADWAY AND STORM PLAN & PROFILE  
STA 6+00 TO STA 9+00

KPG PROJECT No. 10089A | SHT 11 OF 35



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### GENERAL CONSTRUCTION NOTES

1. SEE SHEET 4 FOR TYPICAL ROADWAY SECTION AND PAVEMENT DEPTH.
2. CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION/EXCAVATION.
3. LOCATION OF EXISTING UNDERGROUND UTILITIES IS APPROXIMATE, CONTRACTOR TO VERIFY.
4. FOR STATIONING CONTROL SEE SURVEY CONTROL, SHEET 3.
5. CATCH BASIN STATION & OFFSET DISTANCES ARE TO CENTER OF STRUCTURE. PIPE INVERT ELEVATIONS ARE SPECIFIED TO THE PROJECTED CENTER OF STRUCTURE.
6. FOR TRENCHING REQUIREMENTS, SEE TRENCH BACKFILL & TRENCH PATCH DETAIL, SHEET 7.
7. INSTALL STRUCTURAL SOIL AT ALL TREE GRATE LOCATIONS BEFORE INSTALLING SIDEWALK, SEE DETAIL SHEET 25 AND LANDSCAPE PLAN SHEETS 22-23 FOR LOCATIONS.
8. FOR SIDEWALK MATERIALS, SCORING PATTERN, AND OTHER URBAN DESIGN FEATURES, SEE URBAN DESIGN PLANS & DETAILS, SHEETS 22-27.

### CONSTRUCTION NOTES

- 1 MATCH EXISTING.
- 2 CONSTRUCT CEMENT CONC. CURB RAMP TYPE MODIFIED PARALLEL A WITH PAVERS. SEE SHEET 26 & WSDOT STD PLAN F-40.12-03.
- 4 CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03.
- 5 INSTALL TYPE 1 CEMENT CONC. DRIVEWAY ENTRANCE PER WSDOT STD PLAN F-80.10-04. SEE DRIVEWAY SCHEDULE, SHEET 16.
- 7 INSTALL MODULAR BLOCK CUT WALL PER DETAIL E, SHEET 5.
- 10 INSTALL CONCRETE STAIRS AND LANDING WITH HANDRAIL PER DETAIL F, SHEET 6.
- 12 REMOVE AND RESET EXISTING FENCE.
- 14 ADJUST CATCH BASIN TO GRADE.
- 22 CONSTRUCT NEW PAVEMENT SECTION WITH 4" HMA CL 1/2" PG 58H-22 OVER 4" CSBC.

### DRAINAGE NOTES

- # STORM DRAINAGE STRUCTURE NUMBER. INSTALL STRUCTURE WITH LOCKING VANED GRATE PER WSDOT STD PLAN B-30.30-03, UNLESS OTHERWISE NOTED.

### WATER CONSTRUCTION NOTES

- 1 ADJUST WATER METER BOX TO GRADE.
- 2 INSTALL HYDRANT ASSEMBLY PER DETAIL J, SHEET 7.
- 4 CONNECT TO EXISTING MAIN BY HOT TAP.
- 5 ADJUST WATER VALVE BOX TO GRADE.

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089RDW.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	GW
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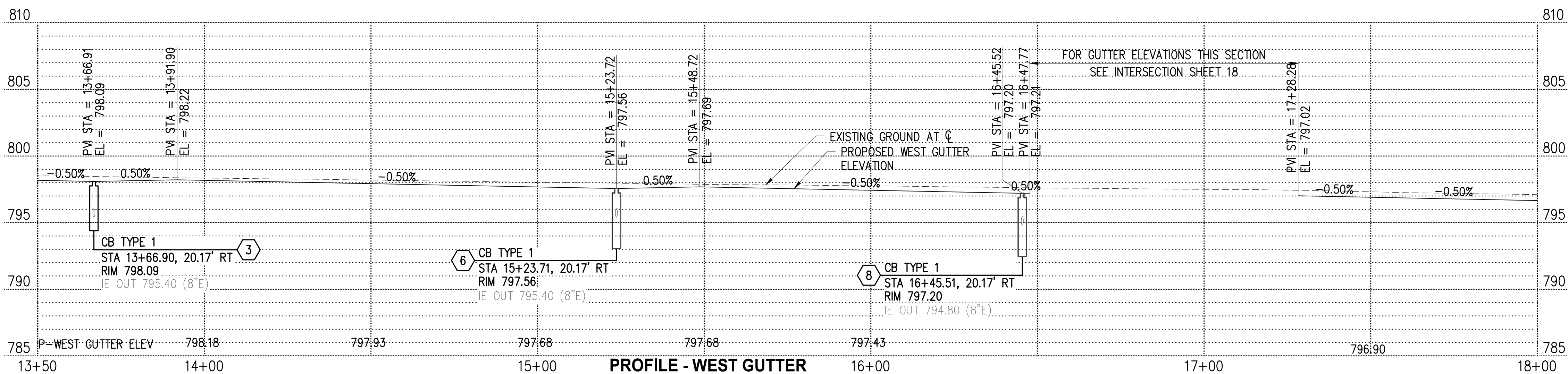
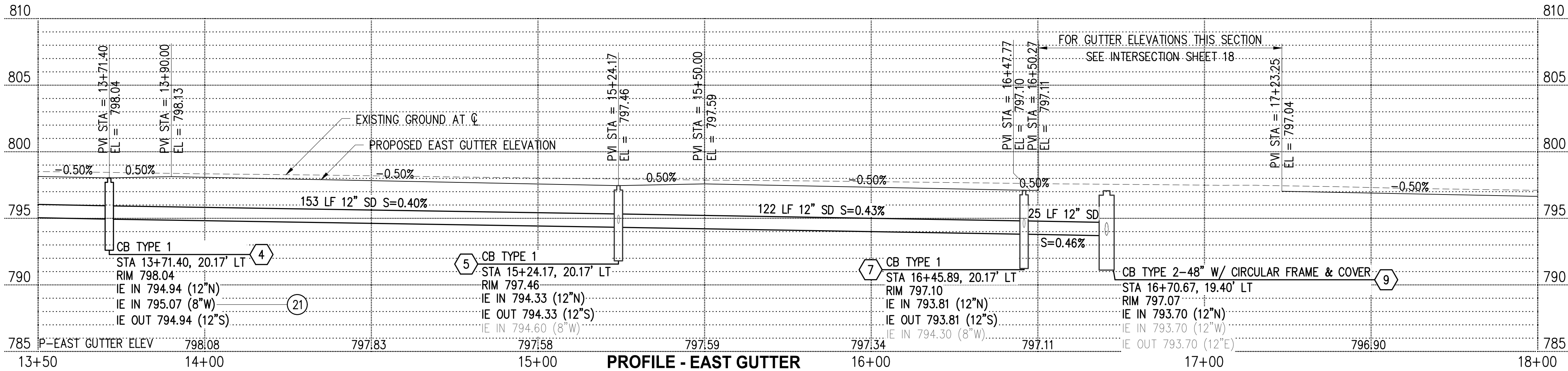
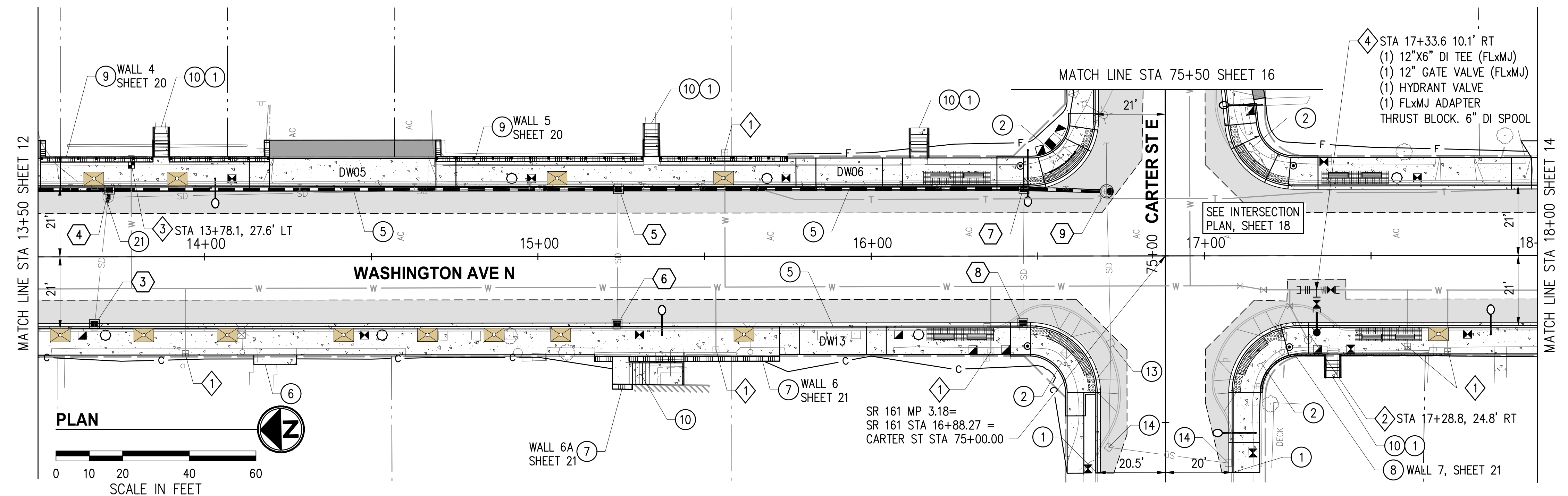
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**TOWN OF EATONVILLE**  
**SR 161/WASHINGTON AVE N**  
**CORRIDOR STREETSCAPE PHASE 2**

ROADWAY AND STORM PLAN & PROFILE	
STA 9+00 TO STA 13+50	
KPG PROJECT No. 10089A	SHT 12 OF 35



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Approved By

ENGINEERING MANAGER

PROJECT MANAGER

PROJECT ENGINEER

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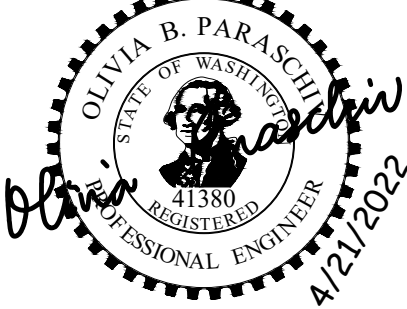
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TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

## ROADWAY AND STORM PLAN & PROFILE

### STA 13+50 TO STA 18+00

KPG PROJECT No. 10089A SHT 13 OF 35

## GENERAL CONSTRUCTION NOTES

1. SEE SHEET 4 FOR TYPICAL ROADWAY SECTION AND PAVEMENT DEPTH.
2. CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION/EXCAVATION.
3. LOCATION OF EXISTING UNDERGROUND UTILITIES IS APPROXIMATE, CONTRACTOR TO VERIFY.
4. FOR STATIONING CONTROL SEE SURVEY CONTROL, SHEET 3.
5. CATCH BASIN STATION & OFFSET DISTANCES ARE TO CENTER OF STRUCTURE. PIPE INVERT ELEVATIONS ARE SPECIFIED TO THE PROJECTED CENTER OF STRUCTURE.
6. FOR TRENCHING REQUIREMENTS, SEE TRENCH BACKFILL & TRENCH PATCH DETAIL, SHEET 7.
7. INSTALL STRUCTURAL SOIL AT ALL TREE GRATE LOCATIONS BEFORE INSTALLING SIDEWALK, SEE DETAIL SHEET 25 AND LANDSCAPE PLAN SHEETS 22-23 FOR LOCATIONS.
8. FOR SIDEWALK MATERIALS, SCORING PATTERN, AND OTHER URBAN DESIGN FEATURES. SEE URBAN DESIGN PLANS & DETAILS, SHEETS 22-27.

## CONSTRUCTION NOTES

- ① MATCH EXISTING.
- ② CONSTRUCT CEMENT CONC. CURB RAMP TYPE MODIFIED PARALLEL A WITH PAVERS. SEE SHEET 26 & WSDOT STD PLAN F-40.12-03.
- ⑤ INSTALL TYPE 1 CEMENT CONC. DRIVEWAY ENTRANCE PER WSDOT STD PLAN F-80.10-04. SEE DRIVEWAY SCHEDULE, SHEET 16.
- ⑥ CONSTRUCT CEMENT CONC. SIDEWALK TO MATCH EXISTING PATHWAY.
- ⑦ INSTALL MODULAR BLOCK CUT WALL PER DETAIL E, SHEET 5.
- ⑧ INSTALL CIP WALL PER DETAIL H, SHEET 7.
- ⑨ CONSTRUCT MODULAR BLOCK FILL WALL UNDER SIDEWALK WITH PICKET FENCE PER DETAIL C, SHEET 5.
- ⑩ INSTALL CONCRETE STAIRS AND LANDING WITH HANDRAIL PER DETAIL F, SHEET 6.
- ⑬ INSTALL CIRCULAR FRAME AND COVER PER WSDOT STD PLAN B-30.70-04 AND ADJUST TO GRADE.
- ⑭ ADJUST CATCH BASIN TO GRADE.
- ⑰ CONNECT TO EXISTING PIPE. MATCH EXISTING PIPE SIZE, MATERIAL, INVERT AND SLOPE TO NEW STRUCTURE

### DRAINAGE NOTES

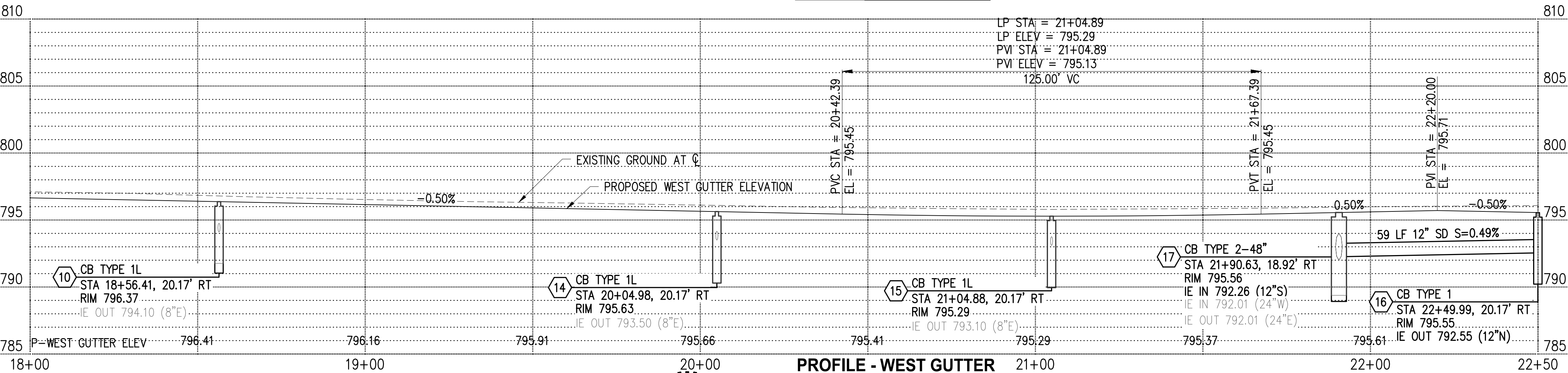
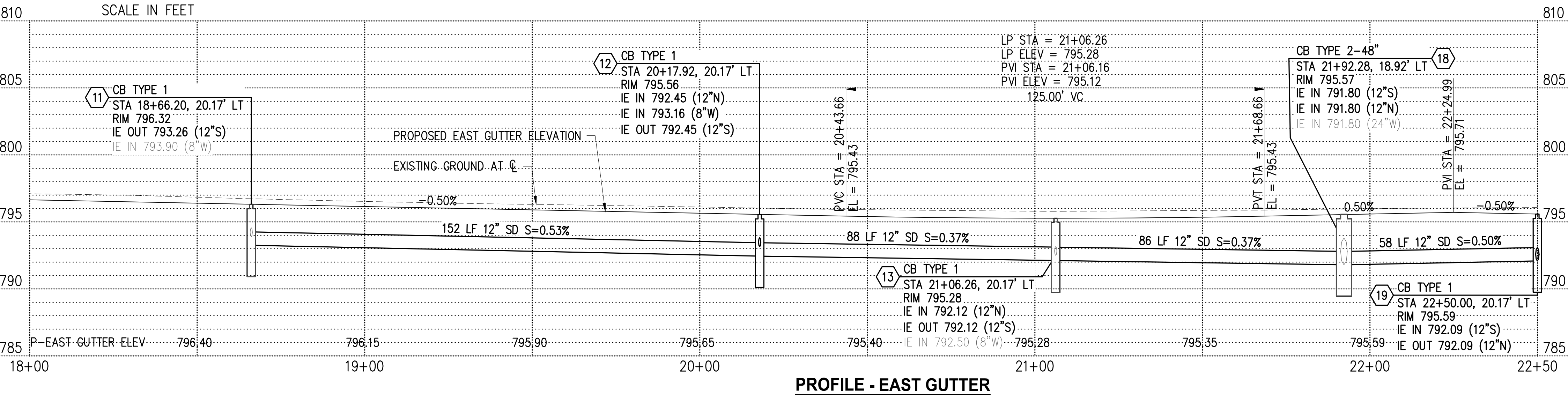
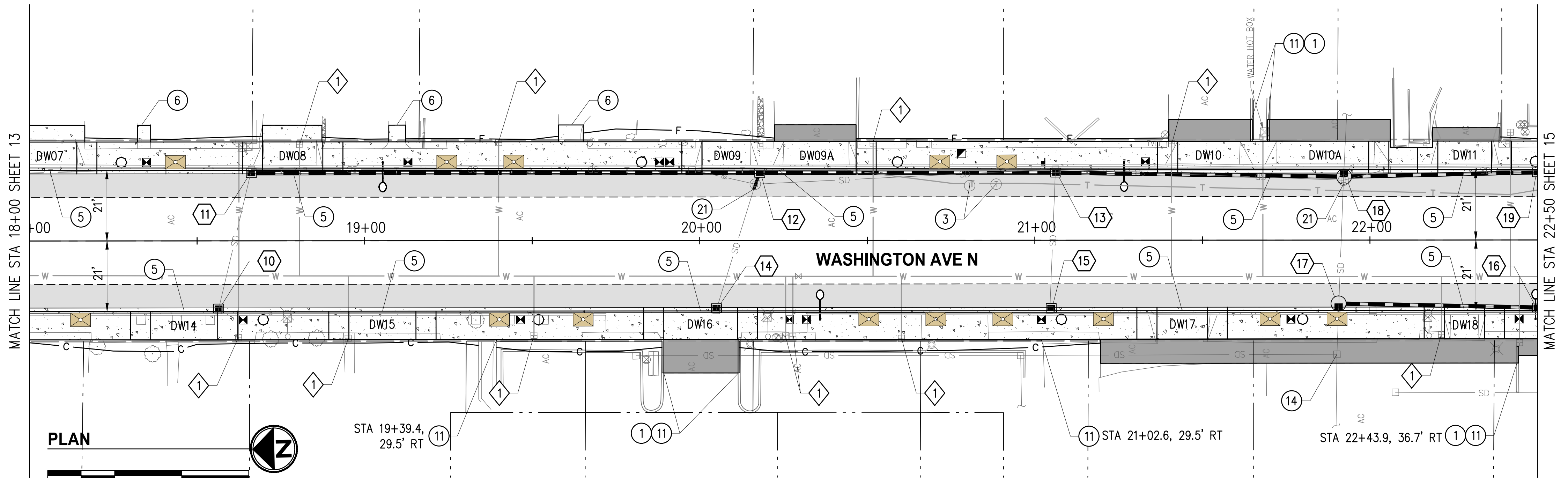
- #** STORM DRAINAGE STRUCTURE NUMBER. INSTALL STRUCTURE WITH LOCKING VANED GRATE PER WSDOT STD PLAN B-30.30-03, UNLESS OTHERWISE NOTED.

## WATER CONSTRUCTION NOTES

- ① ADJUST WATER METER BOX TO GRADE.
- ② INSTALL HYDRANT ASSEMBLY PER DETAIL J, SHEET 7.
- ③ RELOCATE WATER METER BOX AND ADJUST TO GRADE.
- ④ CONNECT TO EXISTING MAIN BY HOT TAP.



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### GENERAL CONSTRUCTION NOTES

- SEE SHEET 4 FOR TYPICAL ROADWAY SECTION AND PAVEMENT DEPTH.
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- FOR TRENCHING REQUIREMENTS, SEE TRENCH BACKFILL & TRENCH PATCH DETAIL, SHEET 7.
- INSTALL STRUCTURAL SOIL AT ALL TREE GRATE LOCATIONS BEFORE INSTALLING SIDEWALK, SEE DETAIL SHEET 25 AND LANDSCAPE PLAN SHEETS 22-23 FOR LOCATIONS.
- FOR SIDEWALK MATERIALS, SCORING PATTERN, AND OTHER URBAN DESIGN FEATURES, SEE URBAN DESIGN PLANS & DETAILS, SHEETS 22-27.

### CONSTRUCTION NOTES

- MATCH EXISTING.
- ADJUST TELEPHONE MANHOLE TO GRADE. BY OTHERS. COORDINATE WITH AT&T.
- INSTALL TYPE 1 CEMENT CONC. DRIVEWAY ENTRANCE PER WSDOT STD PLAN F-80.10-04. SEE DRIVEWAY SCHEDULE, SHEET 16.
- CONSTRUCT CEMENT CONC. SIDEWALK TO MATCH EXISTING PATHWAY.
- INSTALL TYPE 6 CEMENT CONC. EXTRUDED CURB PER WSDOT STD PLAN F-10.42-00.
- ADJUST CATCH BASIN TO GRADE.
- CONNECT TO EXISTING PIPE. MATCH EXISTING PIPE SIZE, MATERIAL, INVERT AND SLOPE TO NEW STRUCTURE

### DRAINAGE NOTES

- STORM DRAINAGE STRUCTURE NUMBER. INSTALL STRUCTURE WITH LOCKING VANED GRATE PER WSDOT STD PLAN B-30.30-03, UNLESS OTHERWISE NOTED.

### WATER CONSTRUCTION NOTES

- ADJUST WATER METER BOX TO GRADE.

NO.	DATE	BY	APPR.	REVISIONS

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PROJECT ENGINEER	DATE	GW
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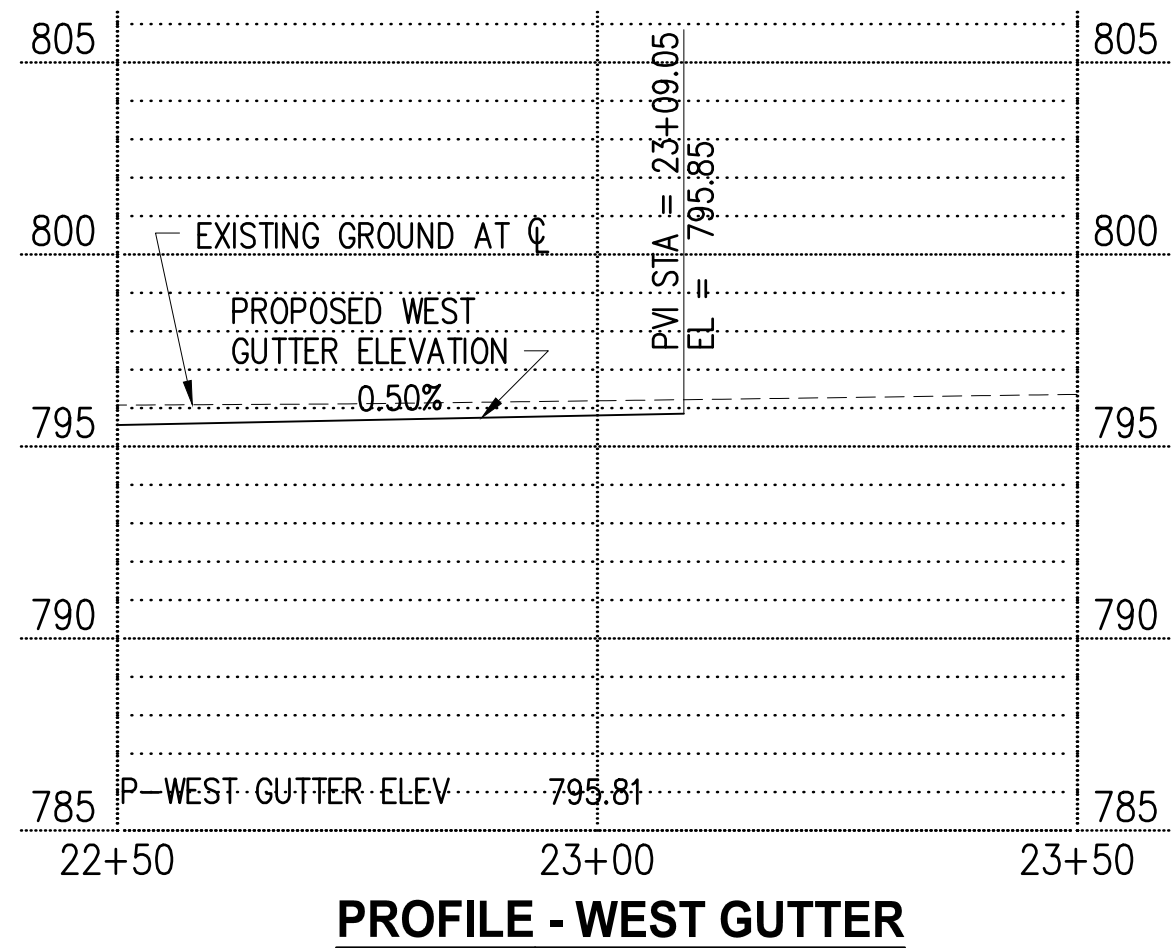
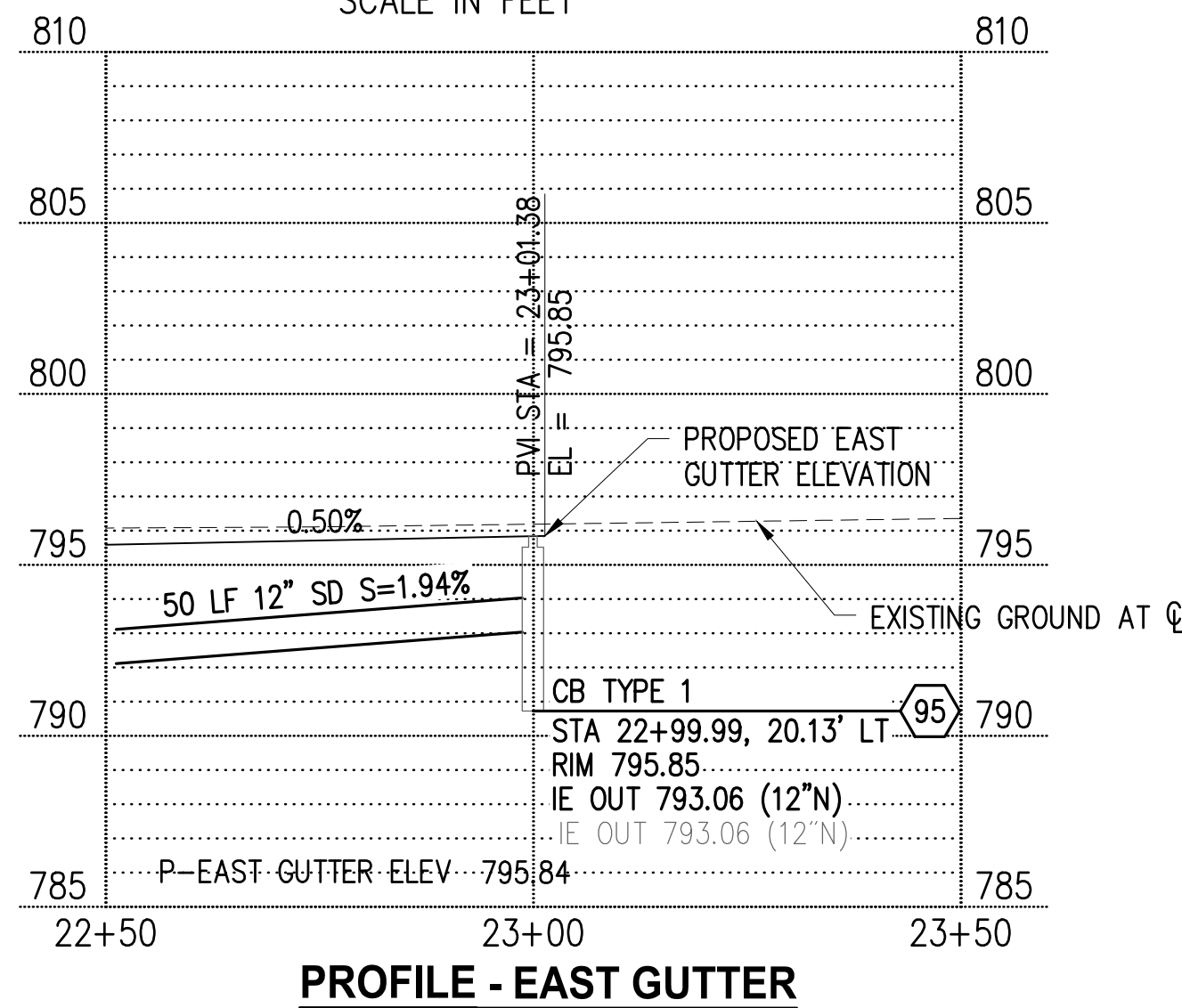
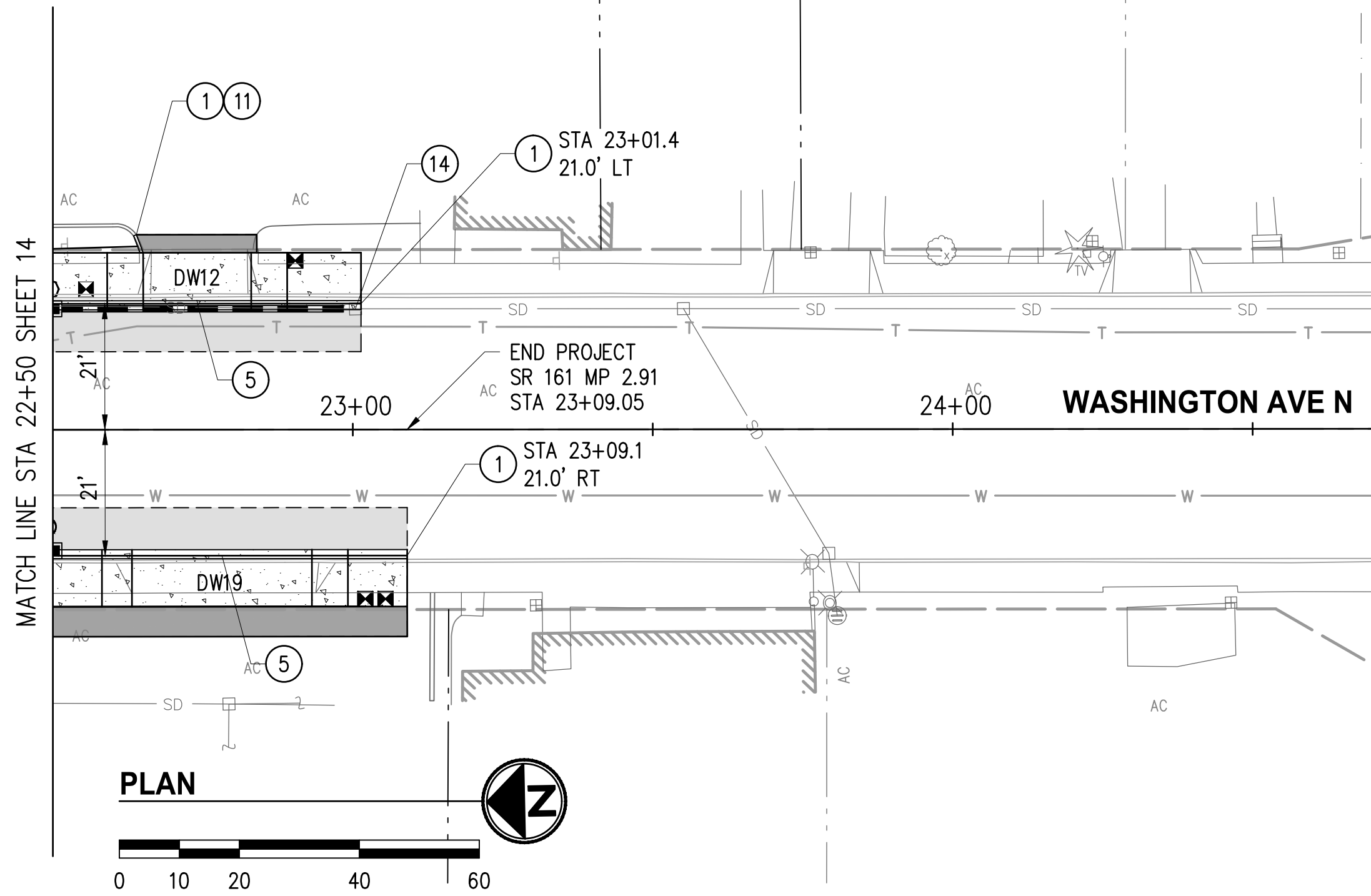


TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

ROADWAY AND STORM PLAN & PROFILE		STA 18+00 TO STA 22+50
KPG PROJECT No. 10089A	SHT 14	OF 35



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#### GENERAL CONSTRUCTION NOTES

- SEE SHEET 4 FOR TYPICAL ROADWAY SECTION AND PAVEMENT DEPTH.
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- CATCH BASIN STATION & OFFSET DISTANCES ARE TO CENTER OF STRUCTURE. PIPE INVERT ELEVATIONS ARE SPECIFIED TO THE PROJECTED CENTER OF STRUCTURE.
- FOR TRENCHING REQUIREMENTS, SEE TRENCH BACKFILL & TRENCH PATCH DETAIL, SHEET 7.
- INSTALL STRUCTURAL SOIL AT ALL TREE GRATE LOCATIONS BEFORE INSTALLING SIDEWALK, SEE DETAIL SHEET 25 AND LANDSCAPE PLAN SHEETS 22-23 FOR LOCATIONS.
- FOR SIDEWALK MATERIALS, SCORING PATTERN, AND OTHER URBAN DESIGN FEATURES, SEE URBAN DESIGN PLANS & DETAILS, SHEETS 22-27.

#### CONSTRUCTION NOTES

- MATCH EXISTING.
- INSTALL TYPE 1 CEMENT CONC. DRIVEWAY ENTRANCE PER WSDOT STD PLAN F-80.10-04. SEE DRIVEWAY SCHEDULE, SHEET 16.
- INSTALL TYPE 6 CEMENT CONC. EXTRUDED CURB PER WSDOT STD PLAN F-10.42-00.
- ADJUST CATCH BASIN TO GRADE.

#### DRAINAGE NOTES

- STORM DRAINAGE STRUCTURE NUMBER. INSTALL STRUCTURE WITH LOCKING VANED GRATE PER WSDOT STD PLAN B-30.30-03, UNLESS OTHERWISE NOTED.

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089RDW.dwg
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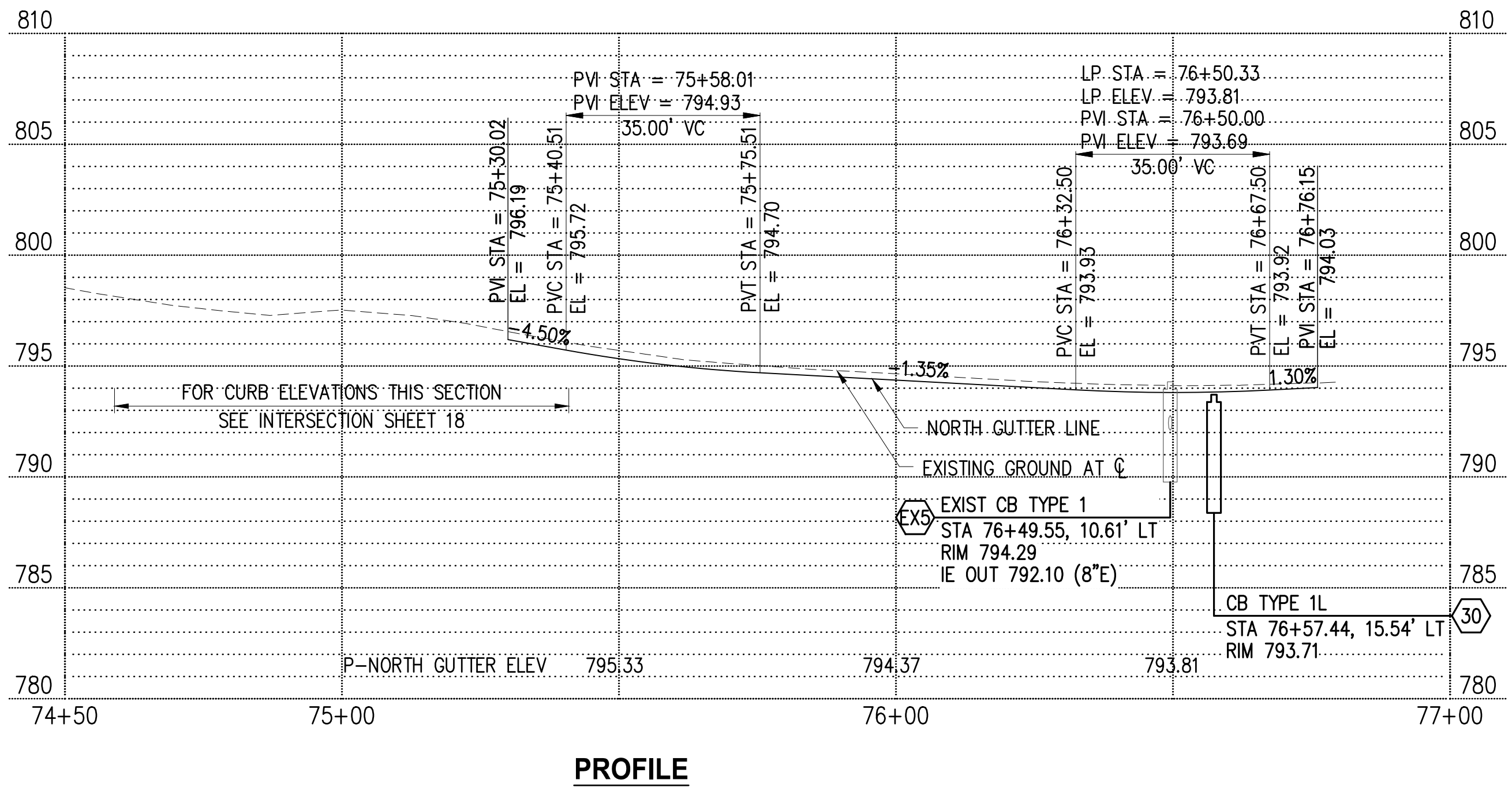
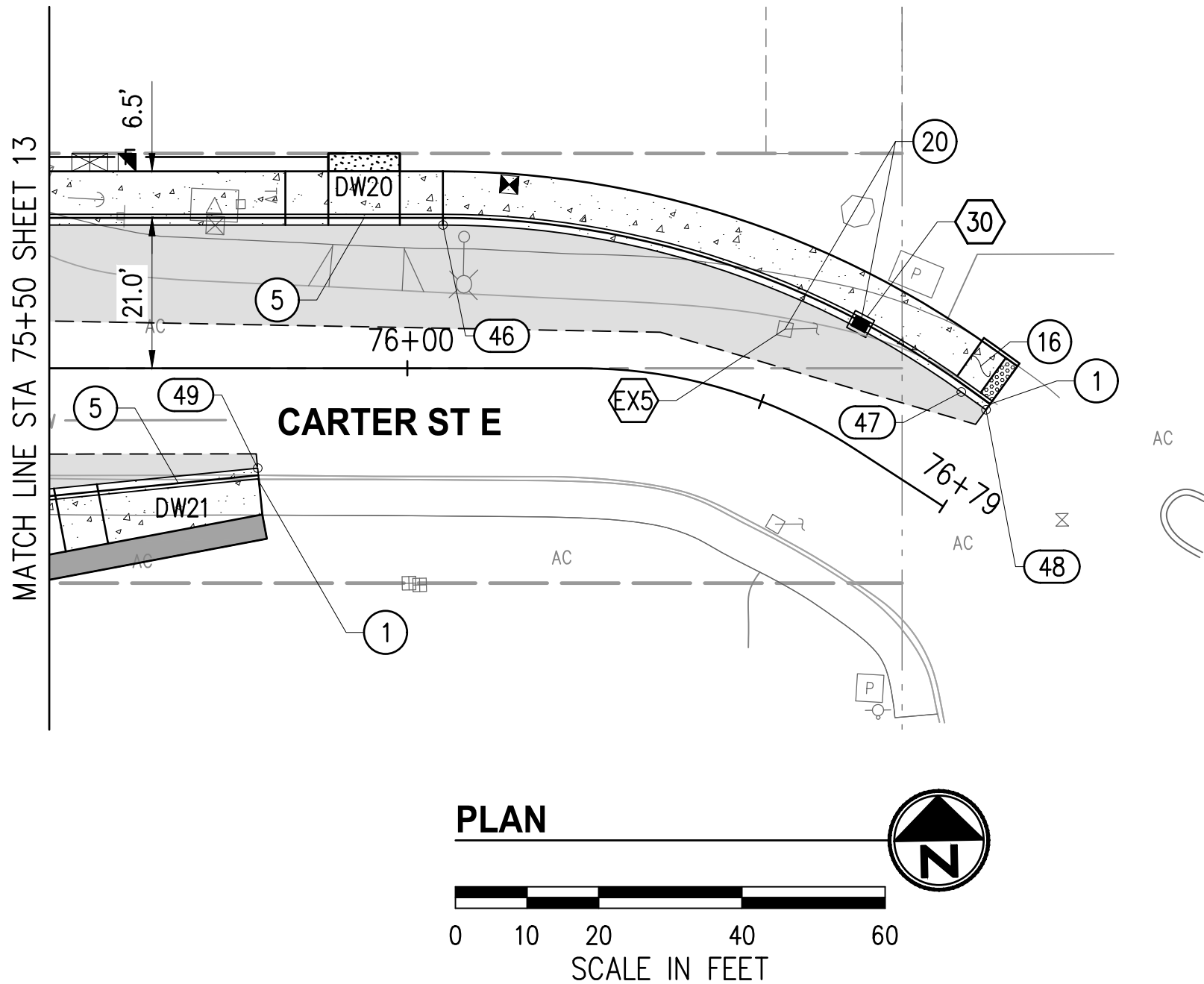
TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

ROADWAY AND STORM PLAN & PROFILE  
STA 22+50 TO STA 23+50

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### DRIVEWAY SCHEDULE

DRIVEWAY NO.	STATION	OFFSET	ENTRANCE WIDTH (LF)	DRIVEWAY LENGTH (LF)	DRIVEWAY SECTION
DW01	10+90.87	21.00' LT	36	6	CONC
DW01A	10+90.87	21.00' LT	—	5.5	CONC
DW02	12+12.64	21.00' LT	19	5	HMA
DW03	12+91.64	21.00' LT	16	5	CSTC
DW04	13+44.75	21.00' LT	12	5.5	HMA
DW05	14+44.42	21.00' LT	50	5.5	HMA
DW06	15+93.78	21.00' LT	20	—	—
DW07	18+06.12	21.00' LT	16	5	CONC
DW08	18+78.54	21.00' LT	18	5	HMA
DW09	20+23.68	21.00' LT	46	—	—
DW09A	20+23.68	21.00' LT	—	5	HMA
DW10	21+71.15	21.00' LT	57	6.5	HMA
DW10A	21+71.15	21.00' LT	—	6.5	HMA
DW11	22+28.27	21.00' LT	16	4	HMA
DW12	22+74.08	21.00' LT	18	3	HMA
DW13	15+88.52	21.00' RT	20	—	—
DW14	18+46.13	21.00' RT	20	—	—
DW15	19+05.29	21.00' RT	20	—	—
DW16	20+00.24	21.00' RT	22	10	HMA
DW17	21+43.94	21.00' RT	15	7.2	HMA
DW18	22+28.16	21.00' RT	12	7.2	HMA
DW19	22+78.17	21.00' RT	30	5	HMA
DW20	75+93.96	21.00' LT	10	2.5	CSTC
DW21	75+68.03	16.05' RT	22.5	3.5	HMA

### GENERAL CONSTRUCTION NOTES

- SEE SHEET 4 FOR TYPICAL ROADWAY SECTION AND PAVEMENT DEPTH.
- CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION/EXCAVATION.
- LOCATION OF EXISTING UNDERGROUND UTILITIES IS APPROXIMATE, CONTRACTOR TO VERIFY.
- FOR STATIONING CONTROL SEE SURVEY CONTROL, SHEET 3.
- CATCH BASIN STATION & OFFSET DISTANCES ARE TO CENTER OF STRUCTURE. PIPE INVERT ELEVATIONS ARE SPECIFIED TO THE PROJECTED CENTER OF STRUCTURE.
- FOR TRENCHING REQUIREMENTS, SEE TRENCH BACKFILL & TRENCH PATCH DETAIL, SHEET 7.
- INSTALL STRUCTURAL SOIL AT ALL TREE GRATE LOCATIONS BEFORE INSTALLING SIDEWALK, SEE DETAIL SHEET 25 AND LANDSCAPE PLAN SHEETS 22–23 FOR LOCATIONS.
- FOR SIDEWALK MATERIALS, SCORING PATTERN, AND OTHER URBAN DESIGN FEATURES, SEE URBAN DESIGN PLANS & DETAILS, SHEETS 22–27.

### CONSTRUCTION NOTES

- MATCH EXISTING.
- INSTALL TYPE 1 CEMENT CONC. DRIVEWAY ENTRANCE PER WSDOT STD PLAN F–80.10–04. SEE DRIVEWAY SCHEDULE, SHEET 16.
- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PERPENDICULAR B PER WSDOT STD PLAN F–40.15–04.
- INSTALL CB BY LOCATING AND CONNECTING TO EXISTING 8" DRAIN PIPE AT CURB AND GUTTER. REMOVE EXISTING UPSTREAM CB AND PIPE. GRADE TO DRAIN.

### DRAINAGE NOTES

- STORM DRAINAGE STRUCTURE NUMBER. INSTALL STRUCTURE WITH LOCKING VANED GRATE PER WSDOT STD PLAN B–30.30–03, UNLESS OTHERWISE NOTED.

### GUTTER POINT TABLE

NUMBER	STATION	OFFSET	ELEV	DESCRIPTION
46	76+04.96	20.00' LT	794.49	PC, R=124'
47	76+72.80	14.76' LT	793.98	PT
48	76+77.05	14.56' LT	794.05	END CURB & GUTTER, MATCH
49	75+79.11	13.94' RT	794.72	END CURB & GUTTER, MATCH

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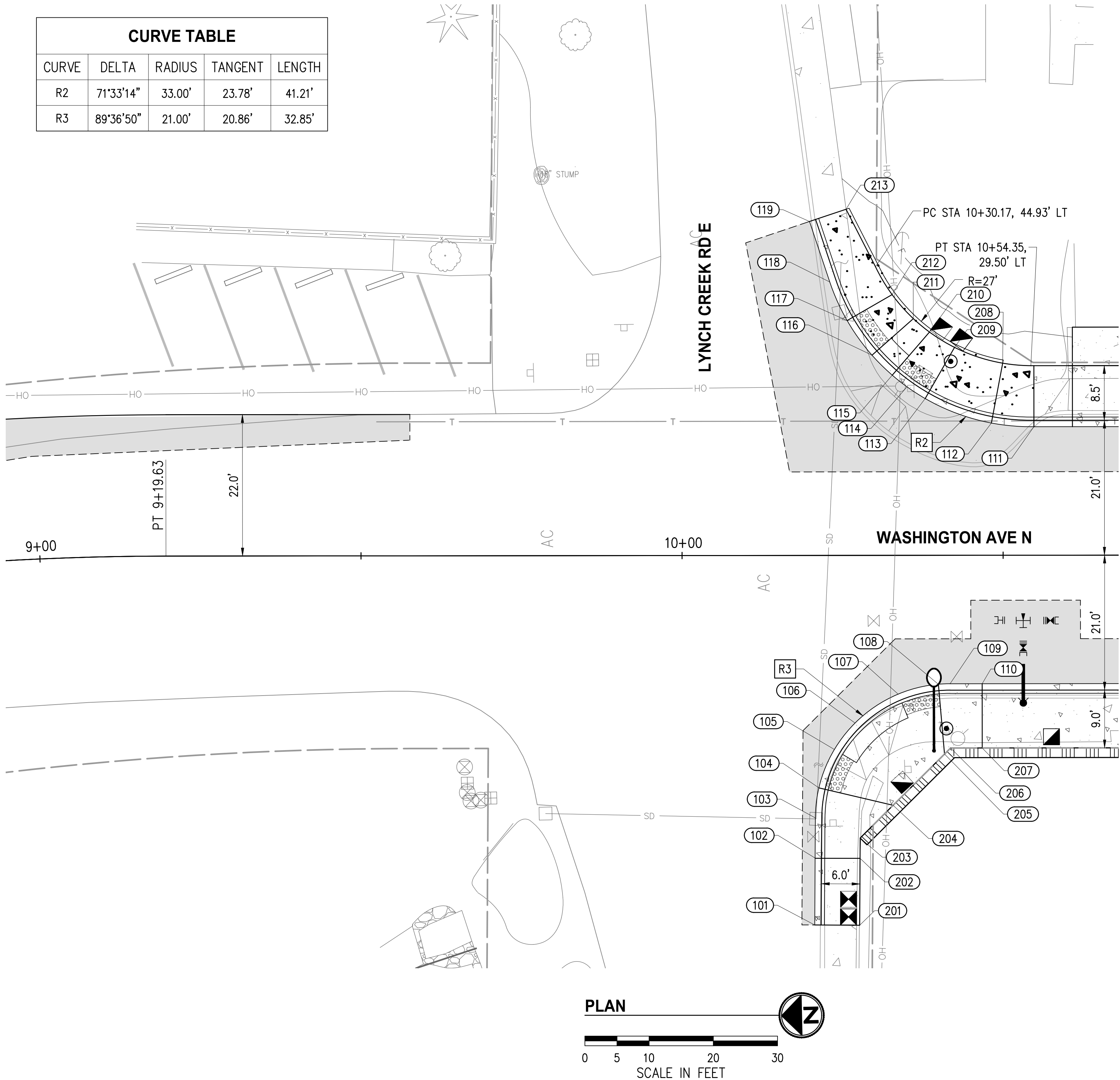
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ROADWAY AND STORM PLAN & PROFILE  
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CURVE TABLE				
CURVE	DELTA	RADIUS	TANGENT	LENGTH
R2	71°33'14"	33.00'	23.78'	41.21'
R3	89°36'50"	21.00'	20.86'	32.85'

GUTTER POINT TABLE				
NUMBER	STATION	OFFSET	ELEV	DESCRIPTION
101	10+20.61	57.53' RT	800.93	BEGIN CURB & GUTTER; MATCH
102	10+20.68	47.11' RT	800.34	CURB RAMP
103	10+20.72	40.86' RT	800.01	PC, R=21'
104	10+21.28	36.18' RT	800.04	CURB RAMP; LANDING
105	10+23.70	30.21' RT	800.08	LANDING
106	10+26.92	26.10' RT	800.11	1/2 DELTA
107	10+33.65	21.61' RT	800.15	LANDING
108	10+39.90	20.08' RT	800.18	CURB RAMP; LANDING
109	10+41.72	20.00' RT	800.19	PT
110	10+46.72	20.00' RT	800.23	CURB RAMP
111	10+54.81	20.00' LT	800.28	PT
112	10+48.19	20.58' LT	799.69	CURB RAMP
113	10+37.89	24.40' LT	799.54	CURB RAMP; LANDING
114	10+35.06	26.23' LT	799.55	1/2 DELTA
115	10+32.76	28.05' LT	799.48	LANDING
116	10+29.62	31.16' LT	799.26	LANDING
117	10+25.74	36.56' LT	799.15	CURB RAMP; LANDING
118	10+23.05	42.56' LT	798.28	PC, R=33'
119	10+19.91	51.98' LT	796.98	BEGIN CURB RAMP; MATCH EXISTING

SIDEWALK POINT TABLE				
NUMBER	STATION	OFFSET	ELEV	DESCRIPTION
201	10+27.61	57.57' RT	801.48	BEGIN BOSW; MATCH
202	10+27.68	47.16' RT	800.90	CURB RAMP
203	10+27.70	44.00' RT	800.72	AP
204	10+32.83	38.91' RT	800.67	LANDING
205	10+40.84	30.94' RT	800.79	LANDING
206	10+41.79	30.00' RT	800.79	AP
207	10+46.72	30.00' RT	800.84	CRUB RAMP
208	10+49.96	29.89' LT	800.29	CURB RAMP
209	10+42.47	32.36' LT	799.63	CURB RAMP; LANDING
210	10+38.56	34.75' LT	799.57	CURB RAMP; LANDING
211	10+36.05	36.84' LT	798.33	CURB RAMP; LANDING
212	10+32.75	40.59' LT	799.22	CURB RAMP; LANDING
213	10+25.59	53.88' LT	797.52	BEGIN BOSW; RAMP; MATCH

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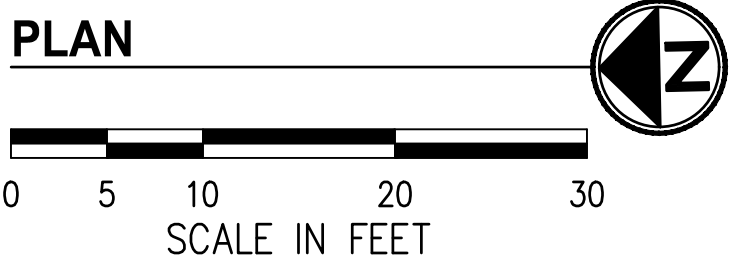
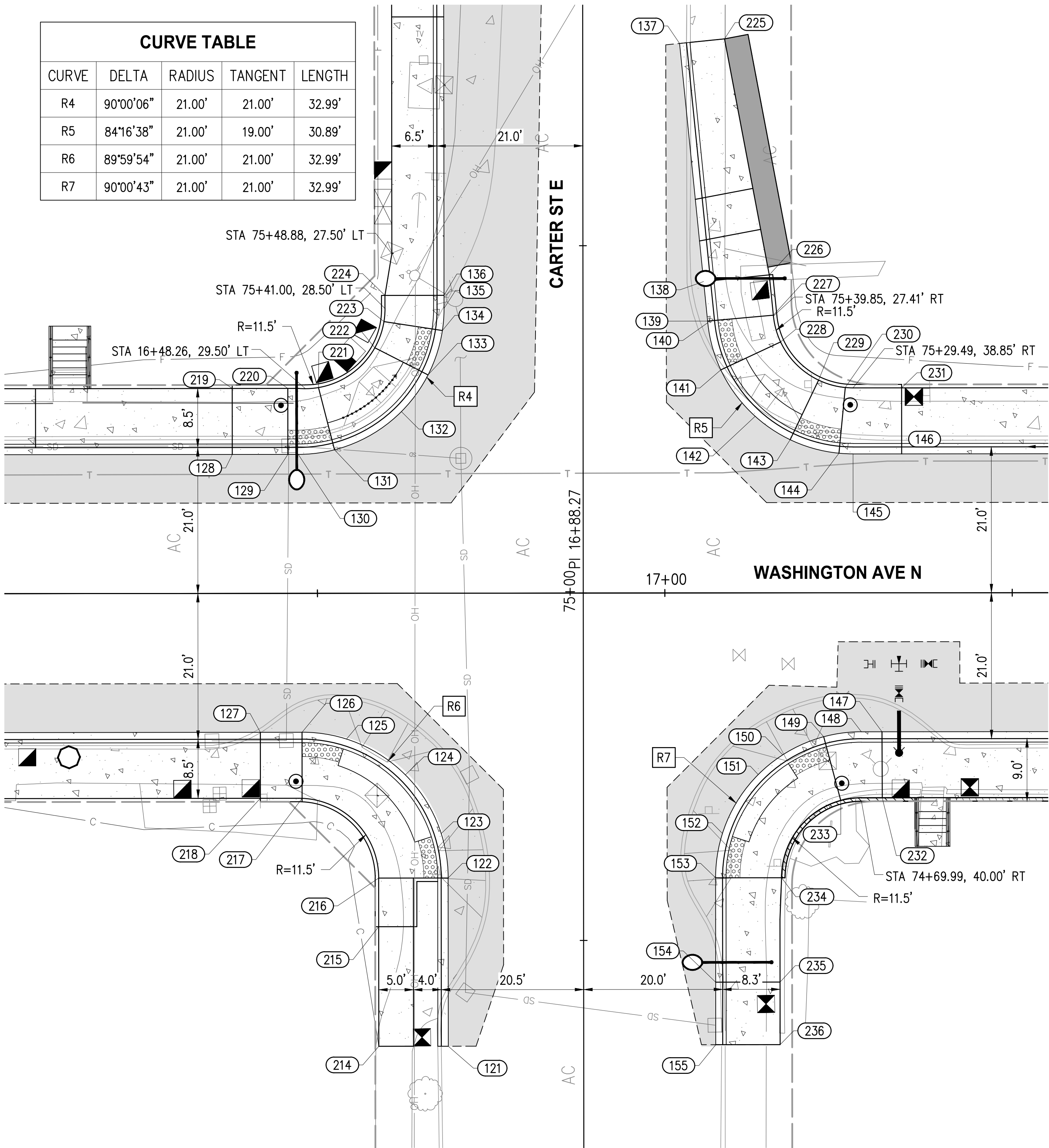
**INTERSECTION PLAN**  
**WASHINGTON AVE N & LYNCH CREEK RD E**

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CURVE TABLE				
CURVE	DELTA	RADIUS	TANGENT	LENGTH
R4	90°00'06"	21.00'	21.00'	32.99'
R5	84°16'38"	21.00'	19.00'	30.89'
R6	89°59'54"	21.00'	21.00'	32.99'
R7	90°00'43"	21.00'	21.00'	32.99'

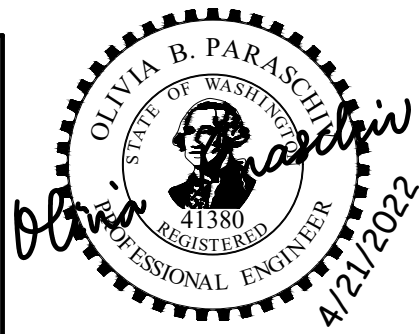


GUTTER POINT TABLE				
NUMBER	STATION	OFFSET	ELEV	DESCRIPTION
121	74+34.79	19.50' LT	798.67	BEGIN CURB & GUTTER; MATCH
122	74+59.00	19.50' LT	797.53	PC, R=21'; CURB RAMP; LANDING
123	16+67.77	34.61' RT	797.49	LANDING
124	16+62.62	26.15' RT	797.44	1/2 DELTA
125	16+54.15	20.99' RT	797.39	LANDING
126	16+47.77	20.00' RT	797.36	PT; CURB RAMP
127	16+41.77	20.00' RT	797.31	CURB RAMP
128	16+37.76	20.00' LT	797.15	CURB RAMP
129	16+45.76	20.00' LT	797.11	CURB RAMP; LANDING
130	16+47.26	20.00' LT	797.10	PC, R=21'
131	16+52.48	20.66' LT	797.06	CURB RAMP; LANDING
132	16+62.11	26.15' LT	796.57	1/2 DELTA
133	16+65.95	31.42' LT	796.28	CURB RAMP; LANDING
134	16+68.02	37.81' LT	796.21	CURB RAMP; LANDING
135	75+41.00	20.00' LT	796.01	PT
136	75+42.88	20.00' LT	795.88	CURB RAMP
137	75+79.11	13.94' RT	794.78	BEGIN CURB & GUTTER; MATCH
138	75+44.83	17.37' RT	795.85	CURB RAMP
139	75+39.13	17.94' RT	796.31	CURB RAMP; LANDING
140	75+38.90	17.96' RT	796.31	PC, R=21'
141	17+08.09	32.11' LT	796.39	CURB RAMP; LANDING
142	17+13.02	25.43' LT	796.55	1/2 DELTA
143	17+18.06	22.05' LT	796.71	CURB RAMP; LANDING
144	17+25.09	20.10' LT	796.79	CURB RAMP; LANDING
145	17+27.11	20.00' LT	796.83	PT
146	17+34.11	20.00' LT	796.98	CURB RAMP
147	17+31.25	20.00' RT	797.01	CURB RAMP
148	17+28.27	20.00' RT	797.04	PC, R=21'
149	17+22.85	20.71' RT	797.11	CURB RAMP; LANDING
150	17+16.96	23.31' RT	797.14	LANDING
151	17+13.42	26.15' RT	797.16	1/2 DELTA
152	17+08.27	34.62' RT	797.22	LANDING
153	74+58.99	19.00' RT	797.25	PC, R=21'; CURB RAMP
154	74+43.97	19.00' RT	798.14	CURB RAMP
155	74+34.97	19.00' RT	798.67	BEGIN CURB & GUTTER; MATCH

SIDEWALK POINT TABLE				
NUMBER	STATION	OFFSET	ELEV	DESCRIPTION
214	74+34.79	29.50' LT	799.27	BEGIN BOSW; MATCH
215	74+52.00	29.50' LT	798.45	CURB RAMP
216	74+59.00	29.50' LT	797.62	CURB RAMP; LANDING
217	16+47.77	29.51' RT	797.45	CURB RAMP; LANDING
218	16+41.77	29.50' RT	797.90	CURB RAMP
219	16+37.76	29.50' LT	797.76	CURB RAMP
220	16+45.76	29.50' LT	797.20	CURB RAMP; LANDING
221	16+50.19	29.62' LT	797.19	CURB RAMP' LANDING
222	16+58.30	35.34' LT	797.15	CURB RAMP' LANDING
223	16+59.61	39.10' LT	796.28	CURB RAMP; LANDING
224	75+42.88	28.50' LT	796.45	CURB RAMP
225	75+79.75	20.41' RT	795.33	BEGIN BOSW; MATCH
226	75+45.77	26.82' RT	796.45	CURB RAMP
227	75+39.97	27.40' RT	796.43	CURB RAMP; LANDING
228	17+16.70	36.13' LT	796.51	CURB RAMP; LANDING
229	17+22.16	30.62' LT	796.83	CURB RAMP; LANDING
230	17+25.99	29.55' LT	796.91	CURB RAMP; LANDING
231	17+34.11	29.50' LT	797.57	CURB RAMP
232	17+31.27	29.50' RT	797.60	CURB RAMP
233	17+25.31	29.89' RT	797.20	CURB RAMP; LANDING
234	74+58.99	28.50' RT	797.34	CURB RAMP; LANDING
235	74+43.97	28.27' RT	798.72	CURB RAMP
236	74+34.97	28.27' RT	799.26	BEGIN BOSW; MATCH

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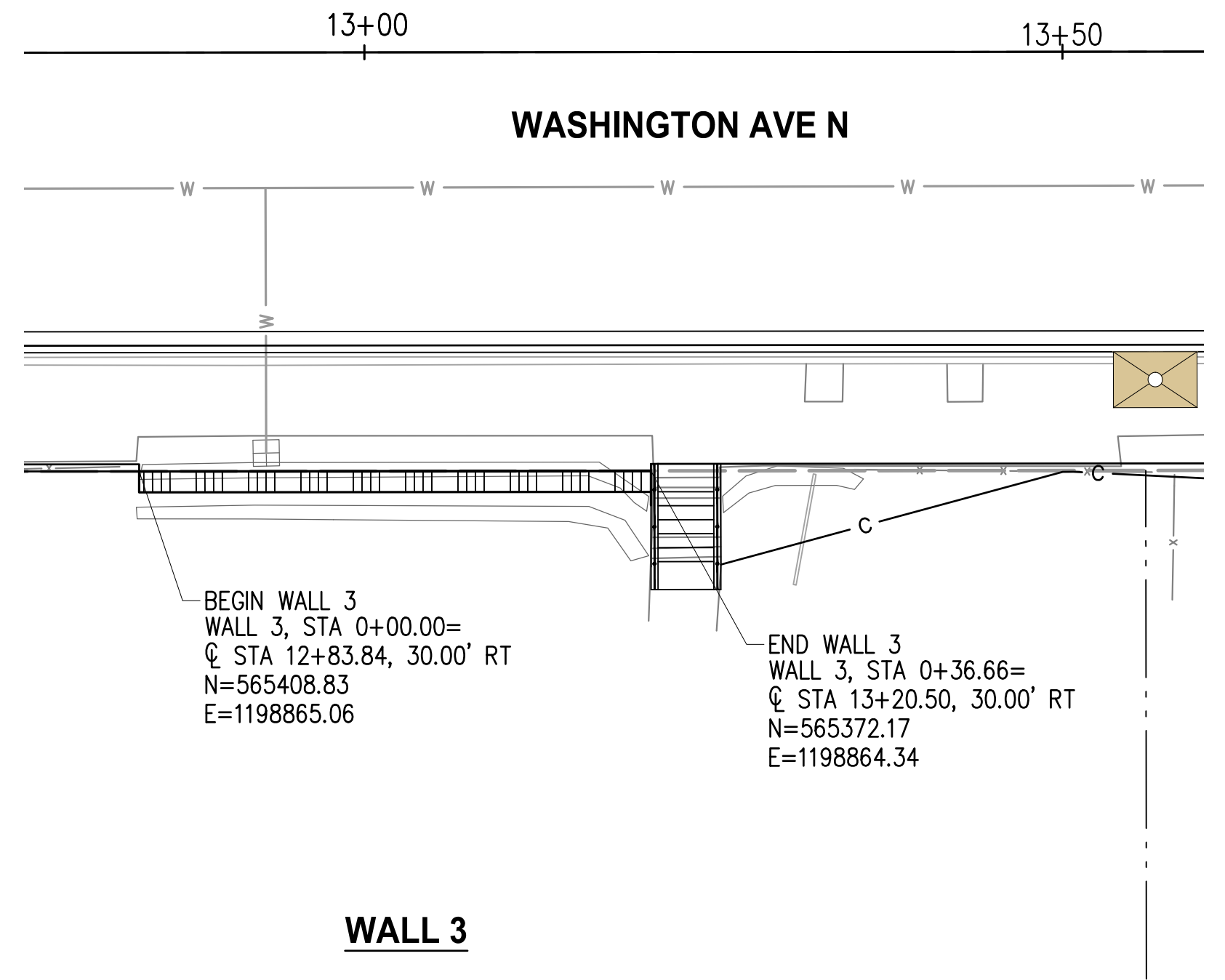
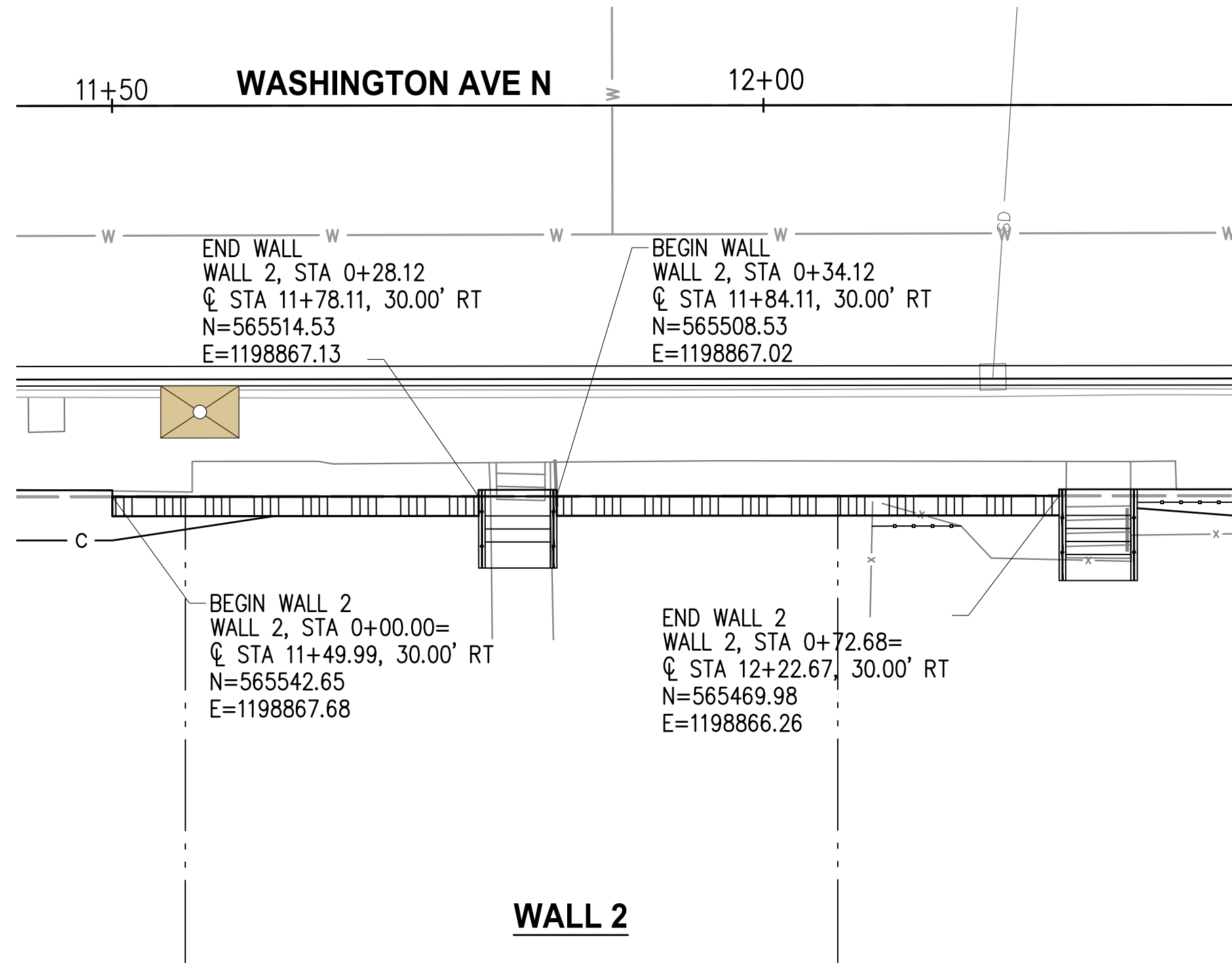
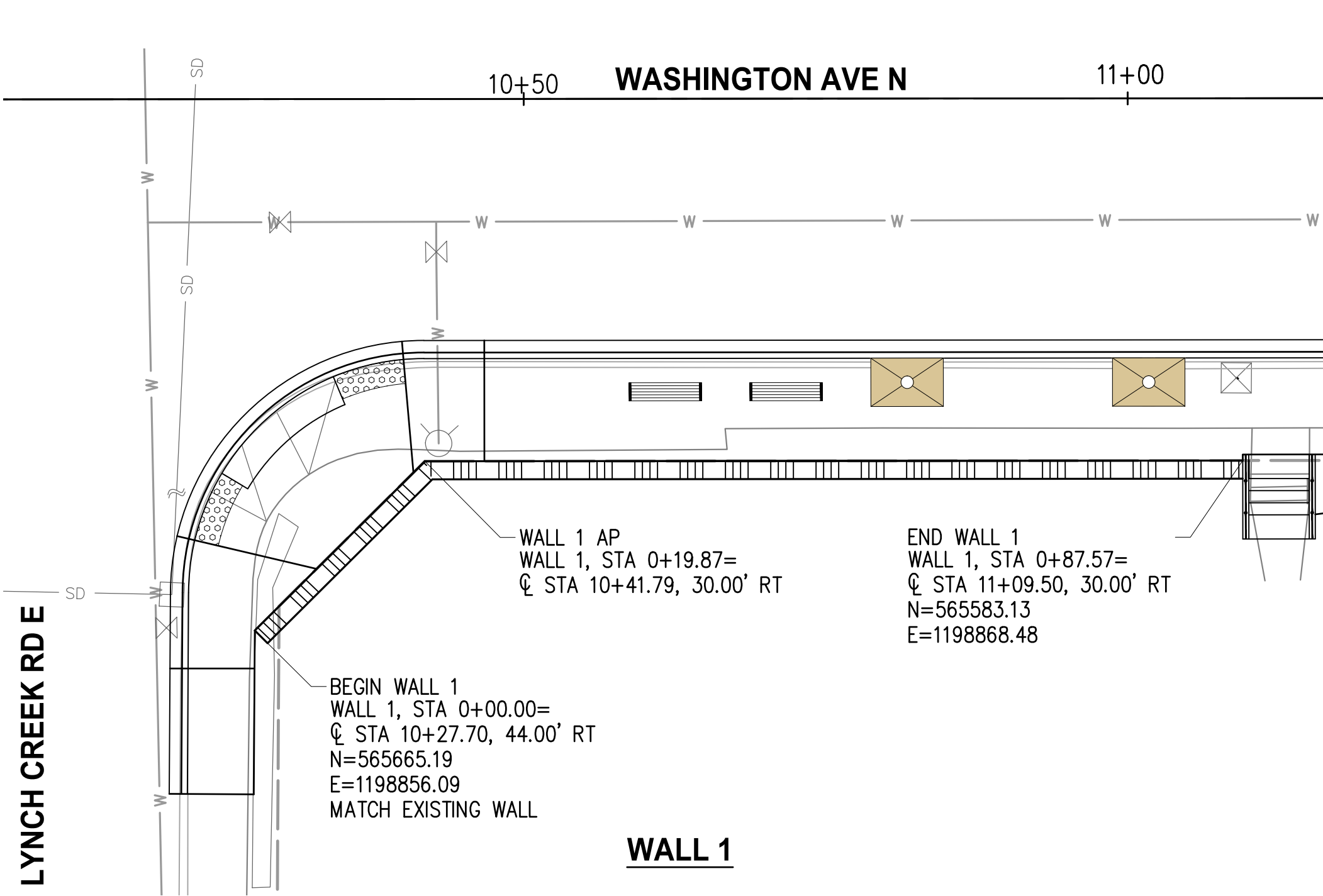


TOWN OF EATONVILLE  
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CORRIDOR STREETSCAPE PHASE 2

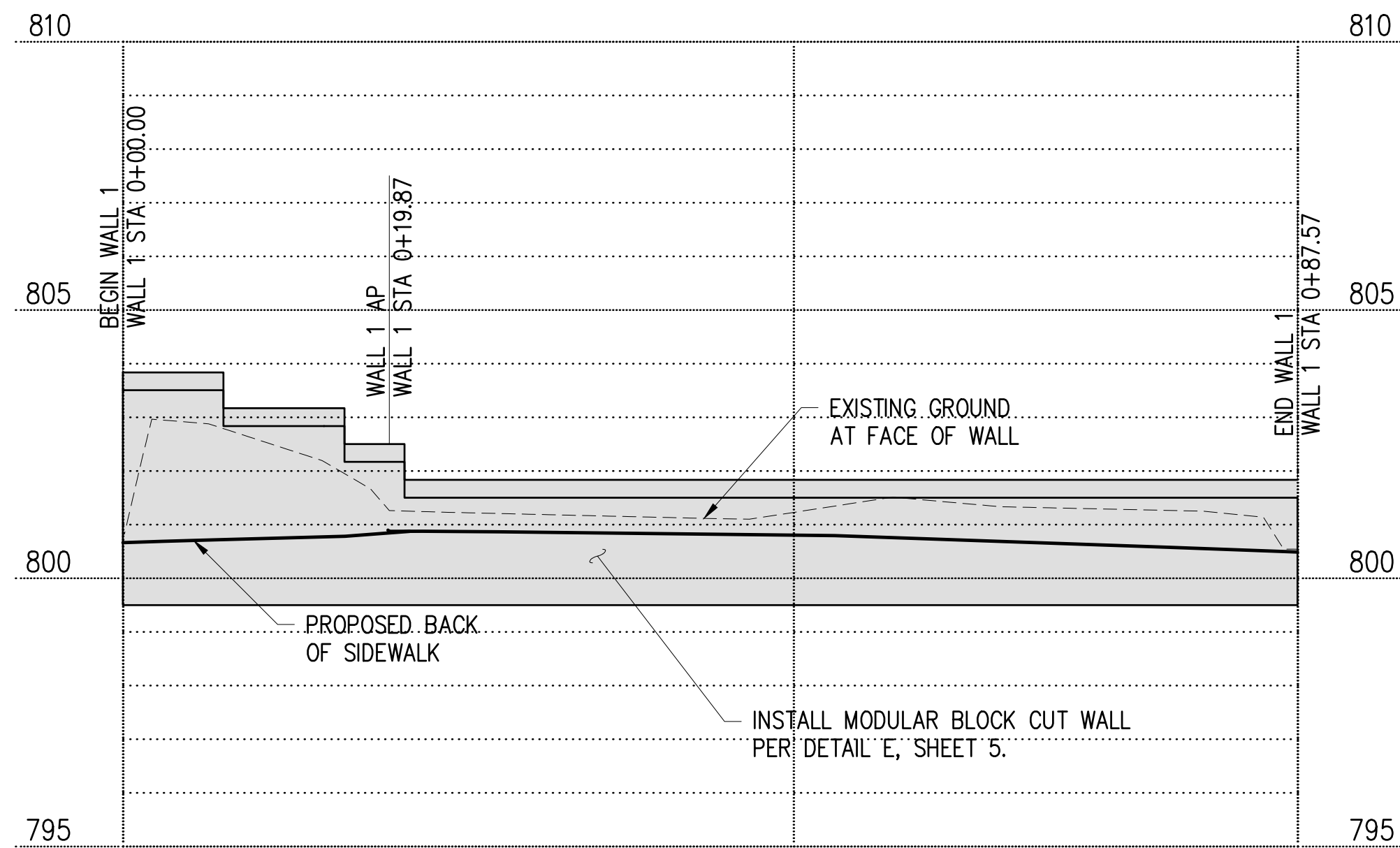
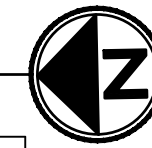
INTERSECTION PLAN	
WASHINGTON AVE N & CARTER ST E	
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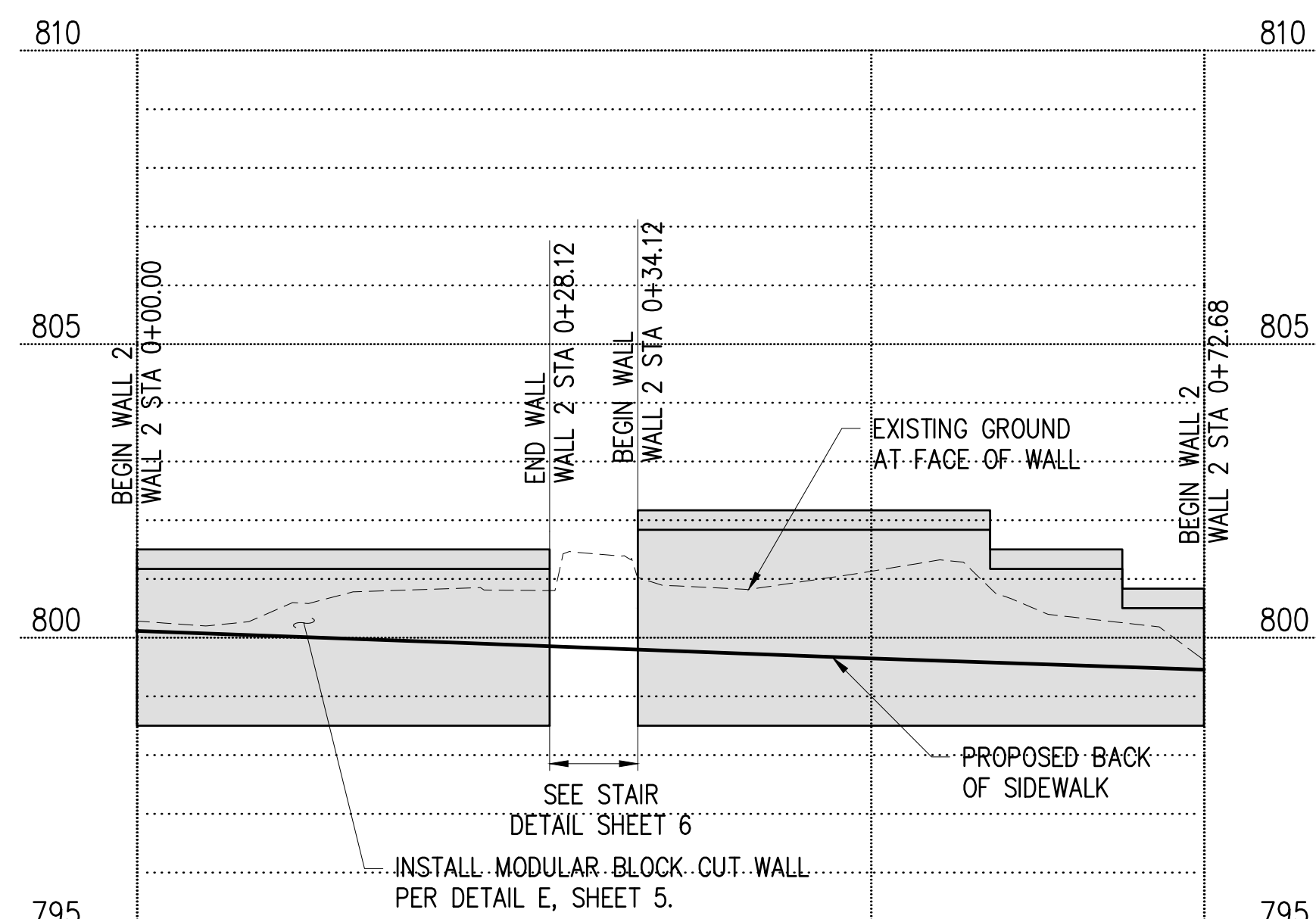
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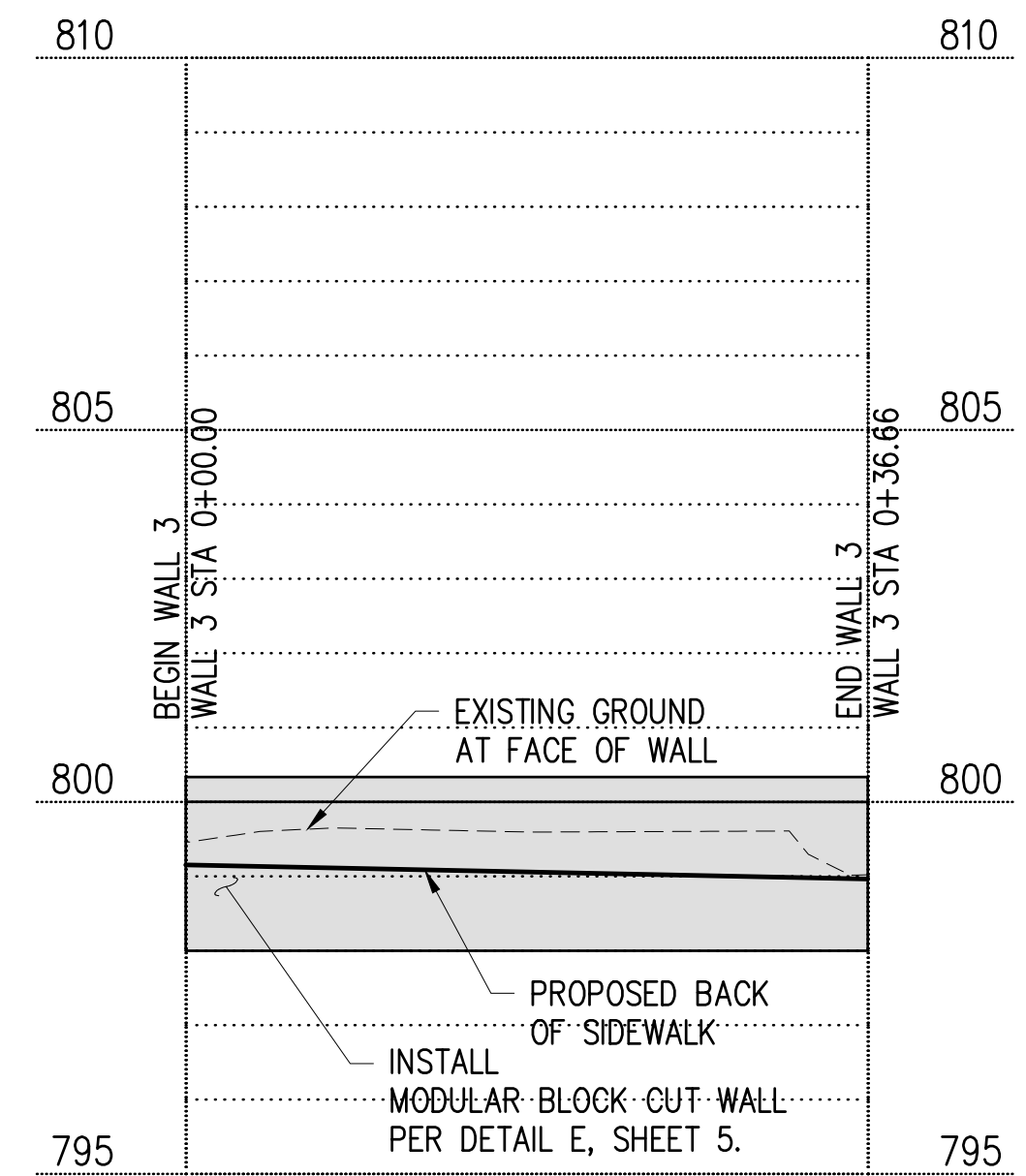
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**WALL PROFILE 1**  
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**WALL PROFILE 2**  
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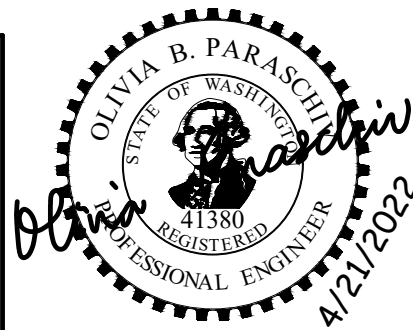


**WALL PROFILE 3**  
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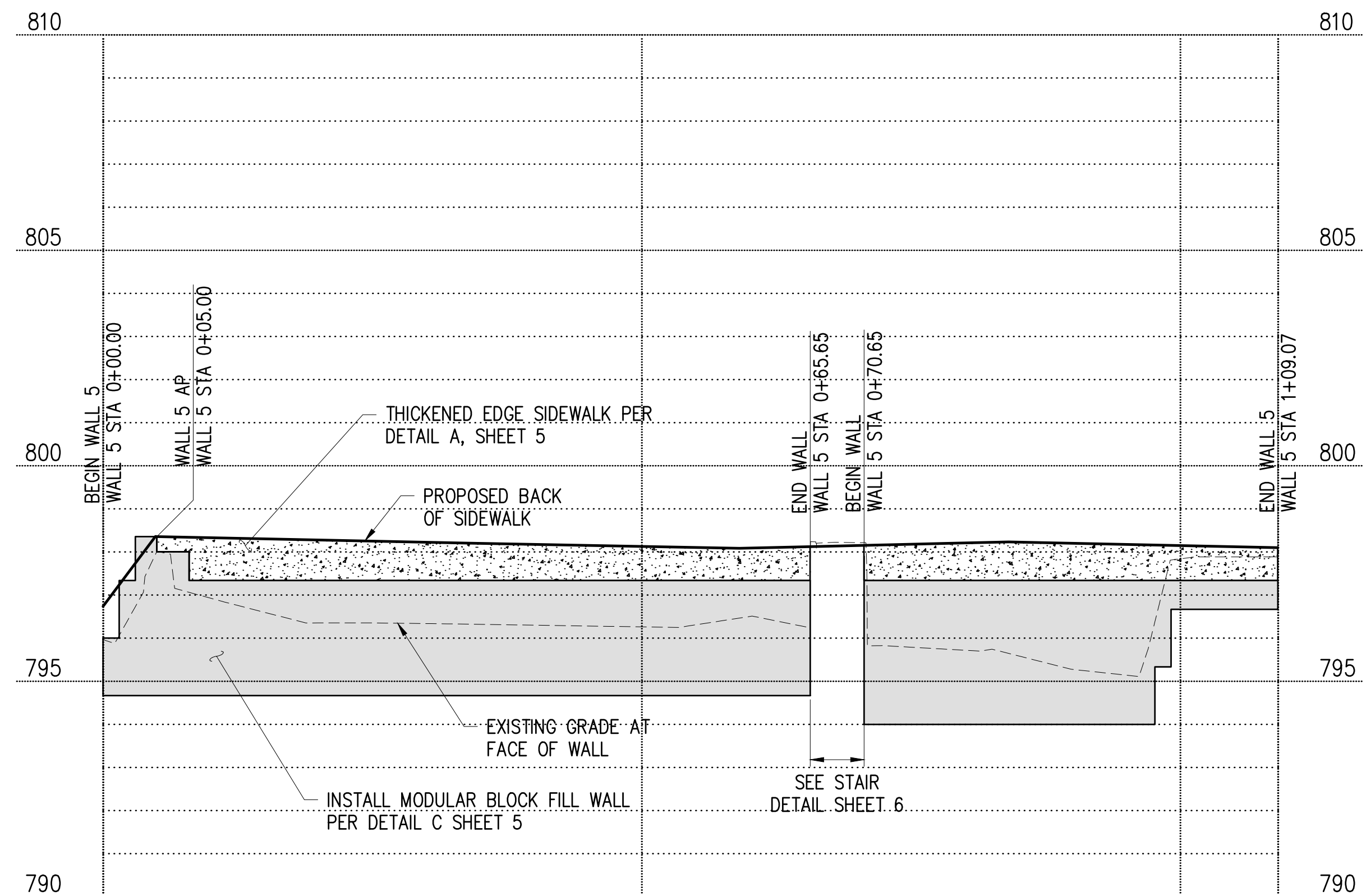
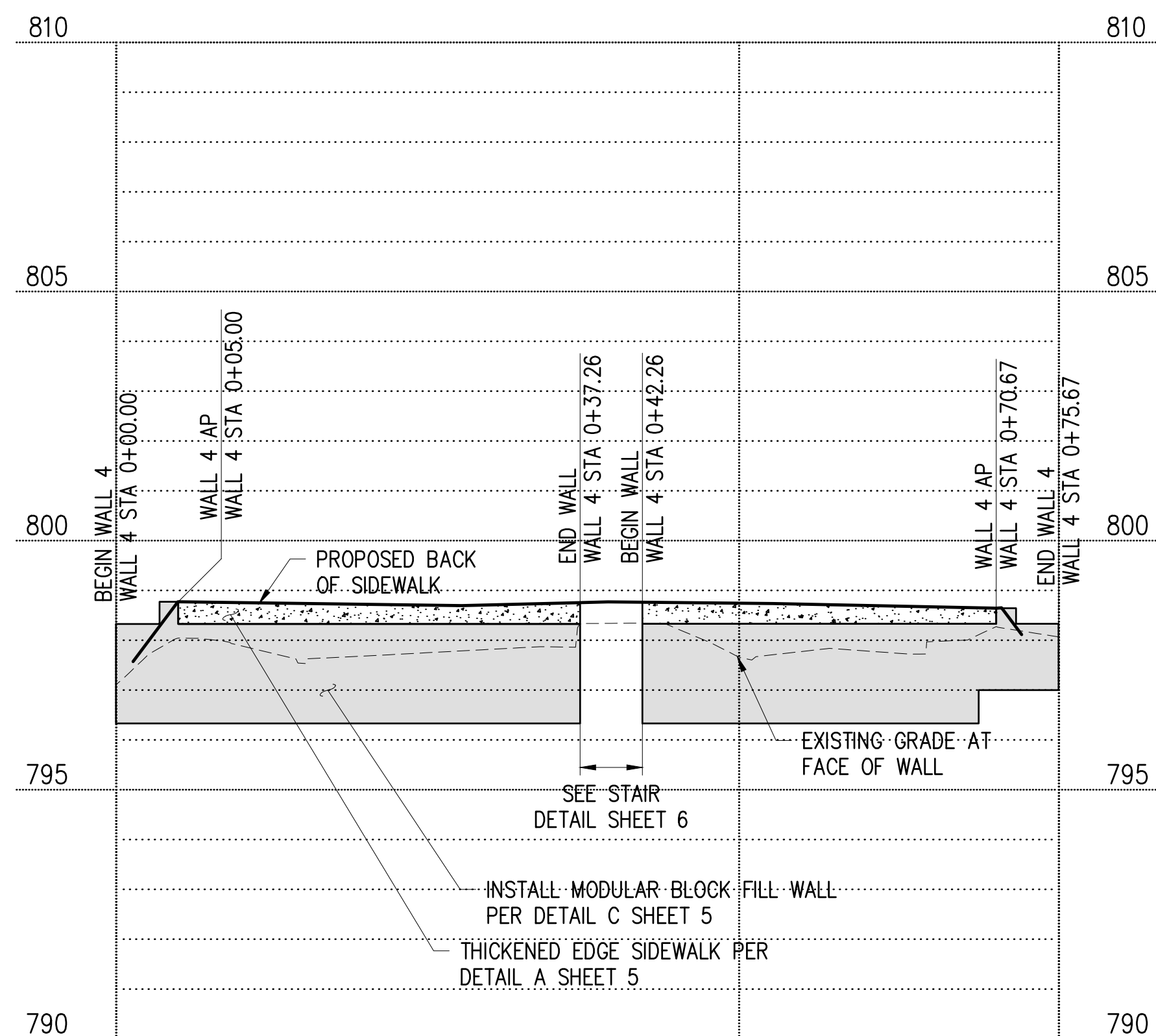
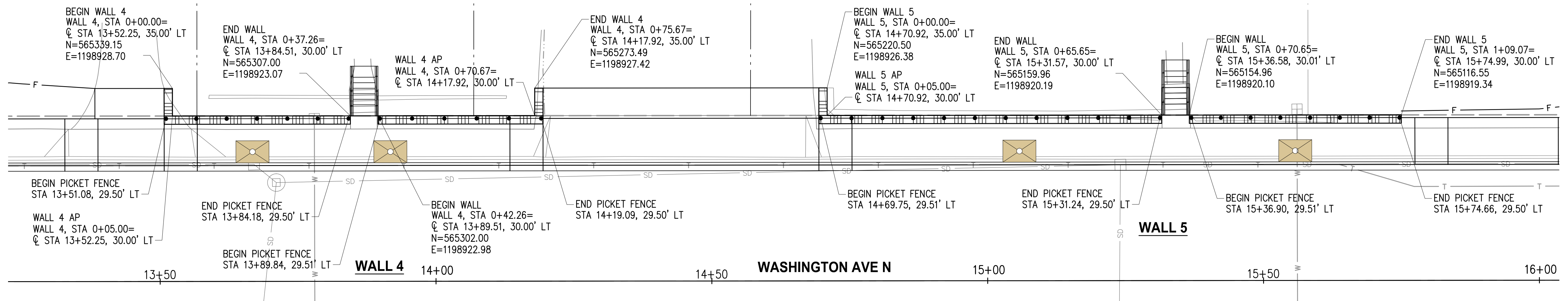


**TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2**

**WALL PLAN & ELEVATION  
WALLS 1, 2 & 3**

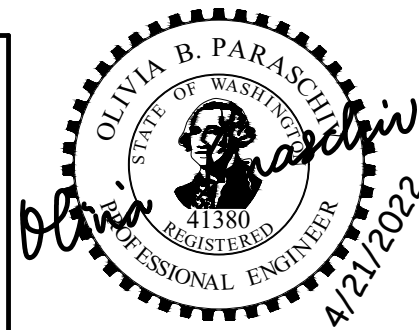


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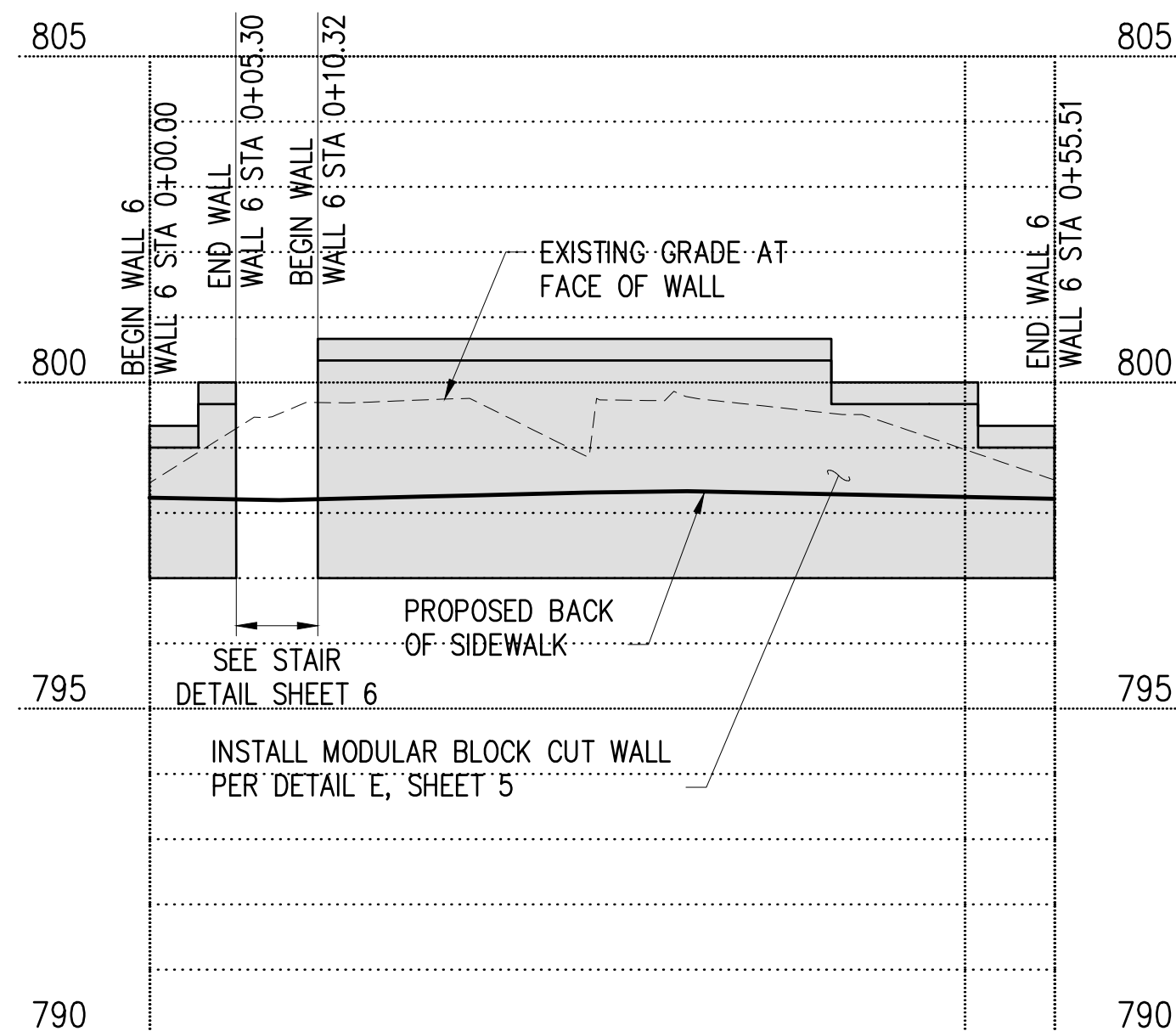
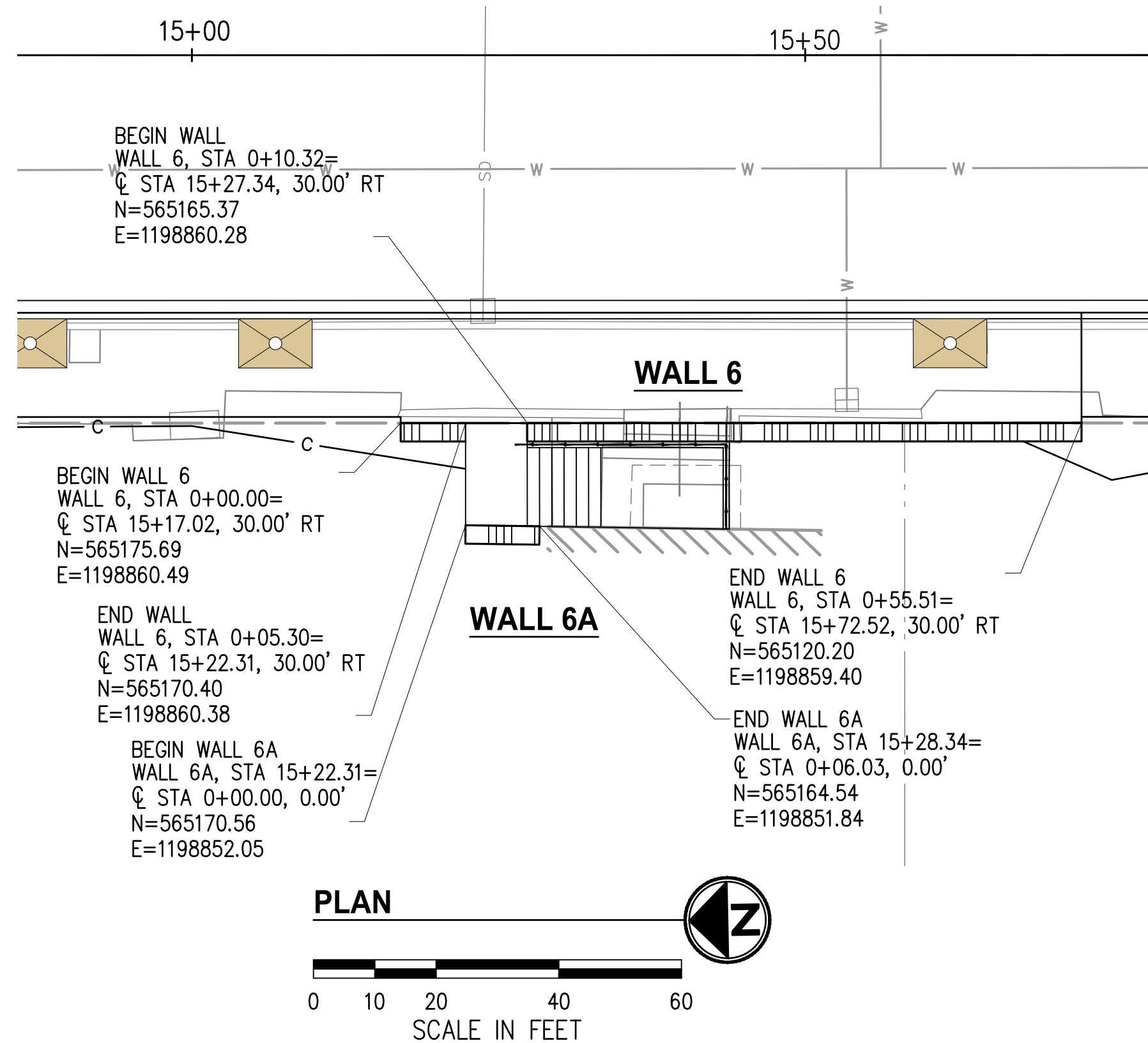


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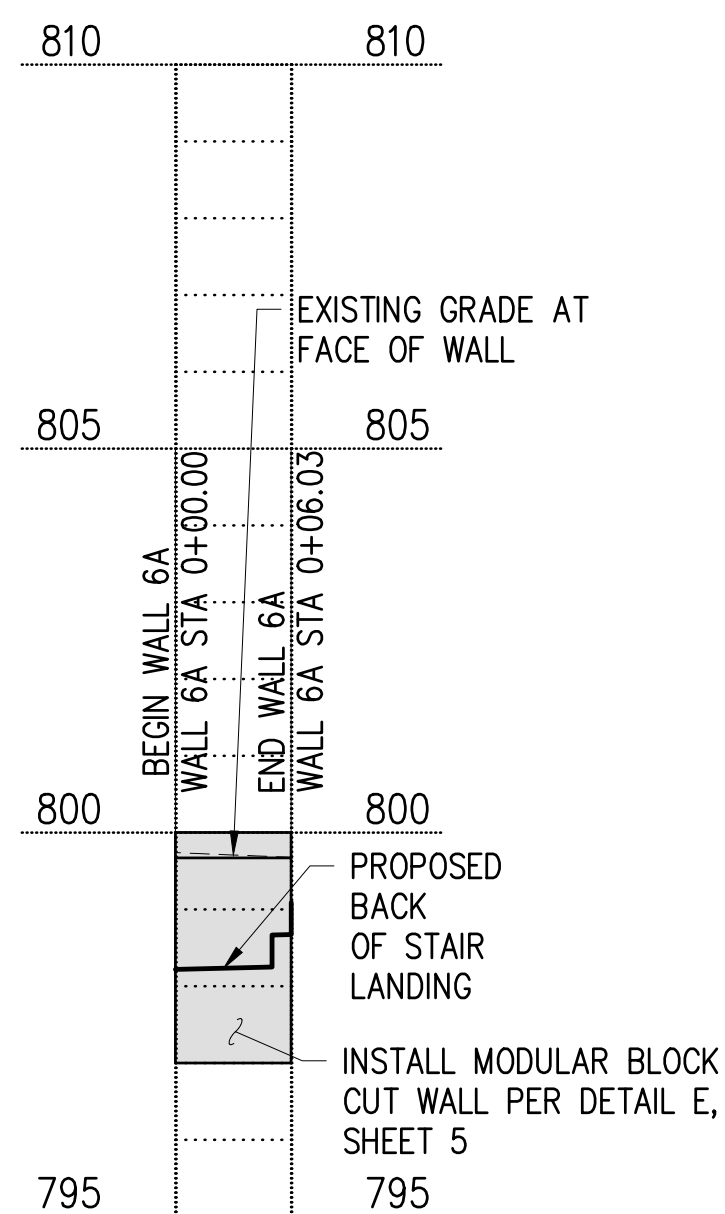
WALL PLAN & ELEVATION WALLS 4 & 5	
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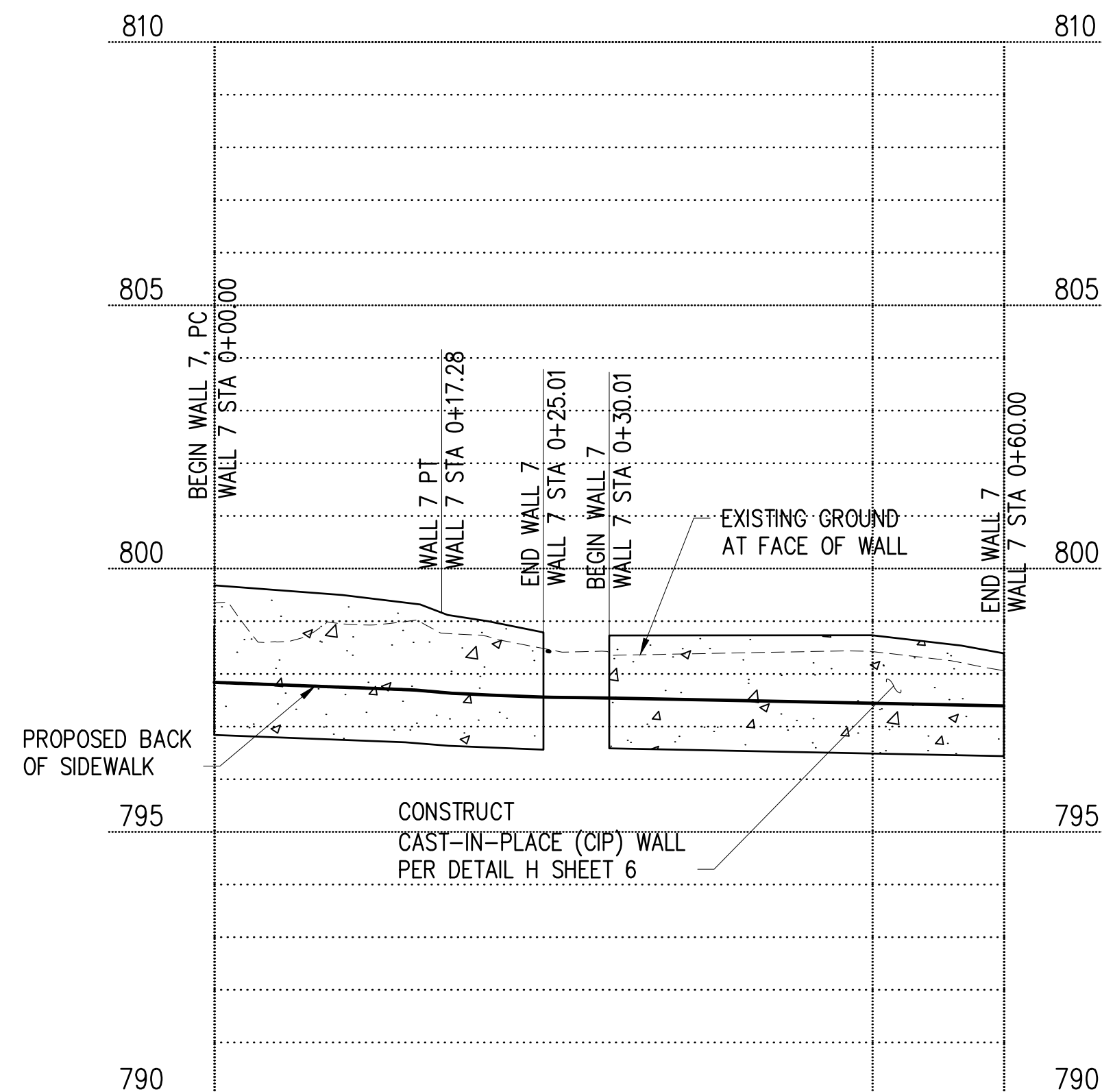
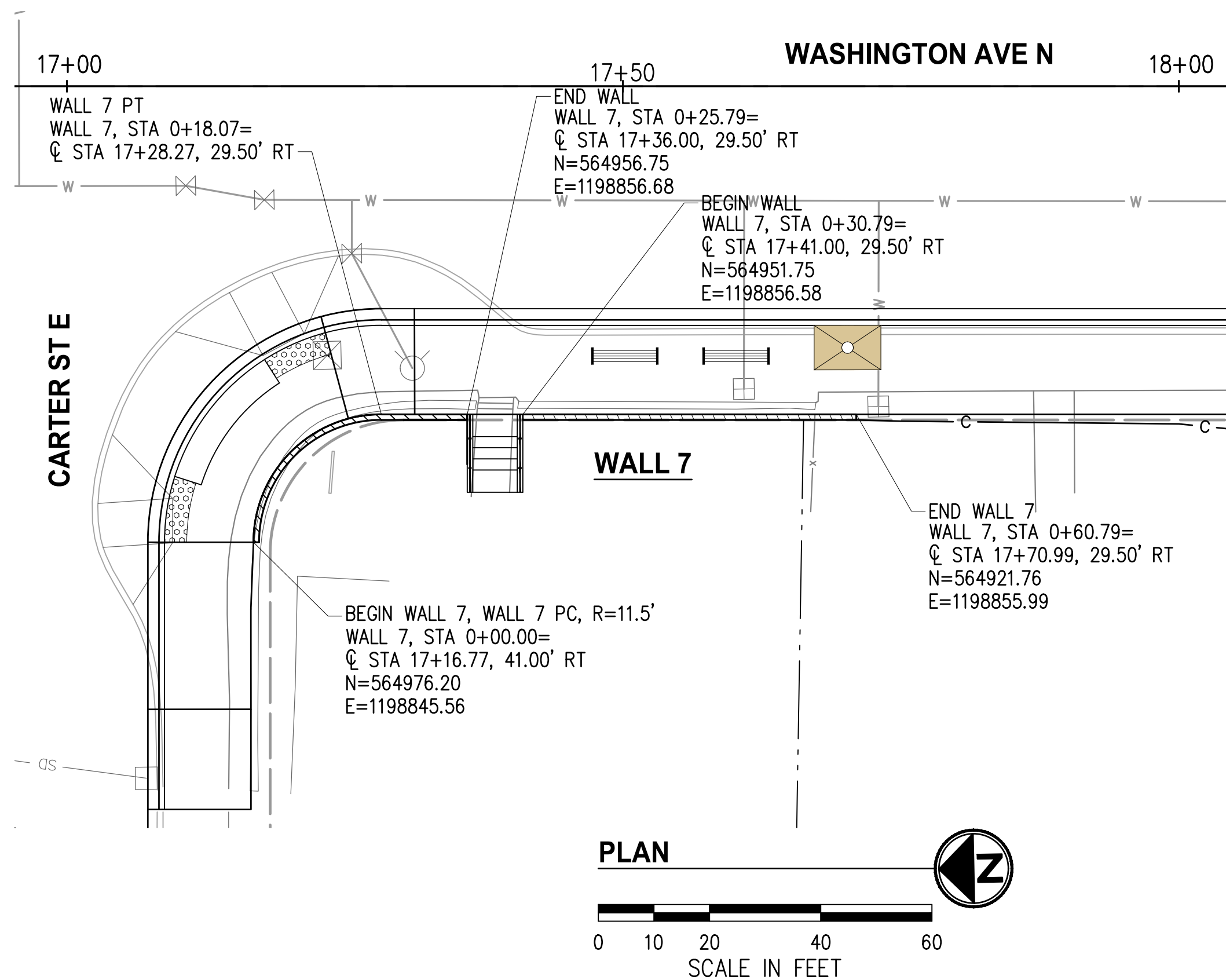
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WALL PROFILE 6A  
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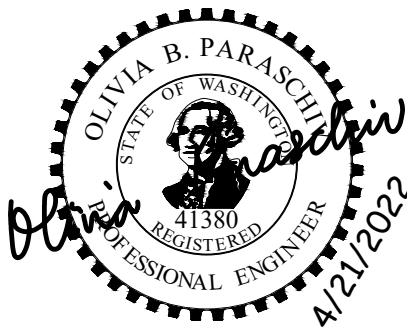


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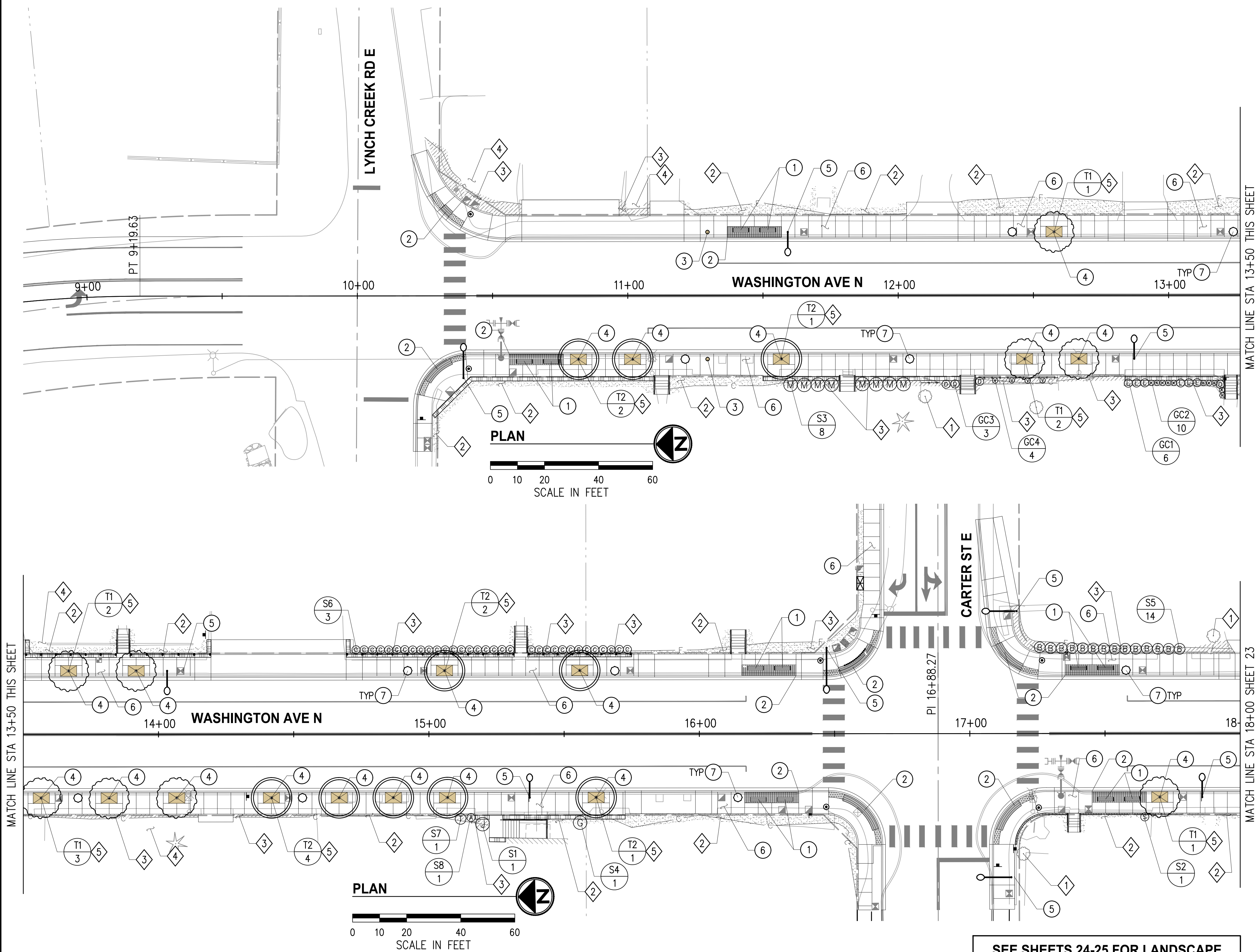


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WALL PLAN & ELEVATION WALLS 6, 6A, & 7		
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LANDSCAPE CONSTRUCTION NOTES

- 1 EXISTING TREE TO REMAIN, SAVE AND PROTECT; SEE DETAIL SHEET 24.
- 2 SEEDED LAWN RESTORATION AREA; INSTALL 2" TOPSOIL TYPE A AND HYDROSEED ENTIRE DISTURBED AREA, TYP.
- 3 PLANTER RESTORATION AREA; INSTALL 6" TOPSOIL TYPE A AND 2" BARK OR WOOD CHIP MULCH OVER ENTIRE DISTURBED AREA, TYP.
- 4 EXISTING VEGETATION THIS AREA, SAVE AND PROTECT; PRUNE BACK SHRUB OR TREE LIMBS ONLY AS REQUIRED WHERE VEGETATION CONFLICTS WITH CONSTRUCTION ACTIVITIES AS APPROVED BY PROJECT ENGINEER.
- 5 INSTALL TREE IN TREE GRATE PER DETAIL, SHEET 25.

URBAN DESIGN CONSTRUCTION NOTES

- 1 BENCH, SEE DETAIL SHEET 26.
- 2 CONCRETE PAVERS, SEE DETAIL SHEET 26.
- 3 CUSTOM BANNER POLE, SEE DETAIL SHEET 27.
- 4 TREE GRATE, SEE DETAIL SHEET 25.
- 5 ROADWAY LUMINAIRE WITH POLE AND VINYL BANNER ON BANNER ARMS AND FLAG, SEE DETAIL SHEET 32.
- 6 CEMENT CONCRETE SIDEWALK. SEE DETAIL SHEET 26.
- 7 PEDESTRIAN LUMINAIRE AND POLE.

BENCH SCHEDULE B

STATION	OFFSET
10+61.70	24.26' RT
10+71.72	24.26' RT
11+41.80	24.25' LT
11+51.81	24.25' LT
16+20.77	24.26' LT
16+21.71	24.25' RT
16+30.77	24.25' LT
16+31.72	24.35' RT
17+40.24	24.25' LT
17+50.17	24.25' RT
17+50.26	24.24' LT
17+60.18	24.25' RT

TREE GRATE SCHEDULE B

STATION	OFFSET
10+81.72	23.50' RT
11+01.72	23.50' RT
11+56.72	23.50' RT
12+46.72	23.52' RT
12+57.64	23.48' LT
12+66.80	23.52' RT
13+56.63	23.50' RT
13+66.75	23.50' LT
13+81.72	23.51' RT
13+91.74	23.50' LT
14+06.72	23.50' RT
14+41.72	23.50' RT
14+66.80	23.50' RT
14+86.80	23.50' RT
15+05.77	23.50' LT
15+06.81	23.50' RT
15+55.77	23.52' LT
15+61.81	23.50' RT
17+70.20	23.50' RT

CONCRETE PAVER SCHEDULE

STATION	OFFSET
10+56.11	21.51' RT
11+36.82	21.50' LT
16+35.77	21.50' LT
16+36.72	21.50' RT
17+35.26	21.50' LT
17+45.20	21.50' RT

CUSTOM BANNER POLE SCHEDULE

STATION	OFFSET
11+29.48	23.49' RT
11+29.48	23.52' LT

SEE SHEETS 24-25 FOR LANDSCAPE SCHEDULE, DETAILS AND GENERAL NOTES; SEE SHEETS 26 & 27 FOR URBAN DESIGN DETAILS AND GENERAL NOTES.

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089LPN.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	PN
PROJECT ENGINEER	DATE	DESIGNED BY
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		DRAWN BY
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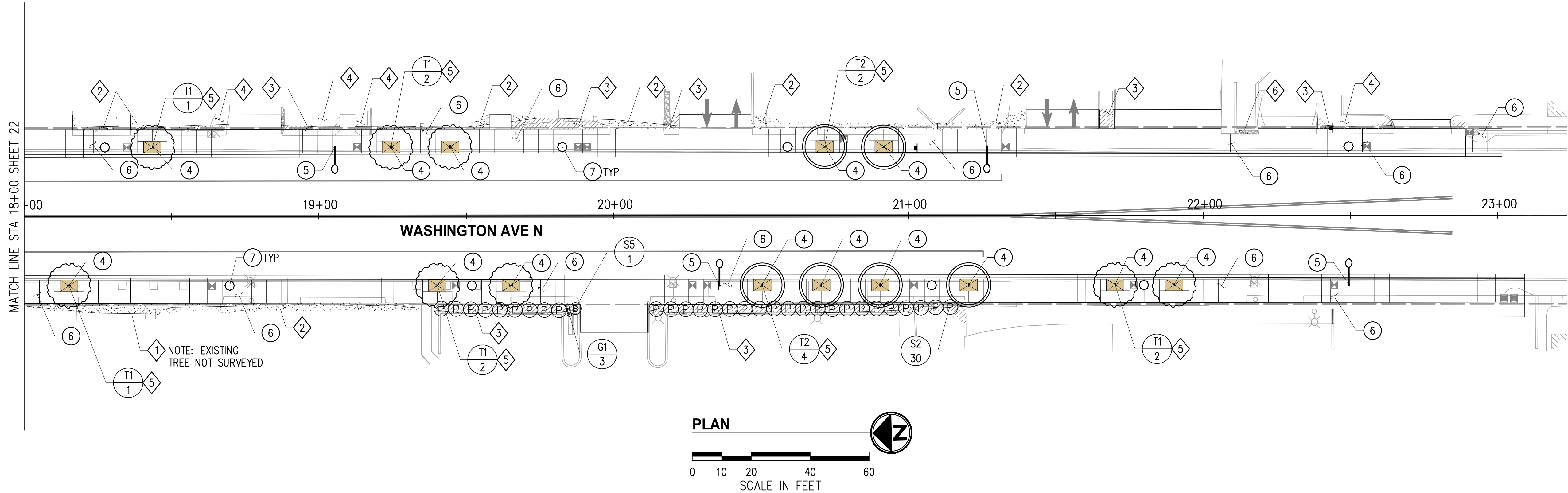


TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

LANDSCAPE & URBAN DESIGN PLAN  
STA 9+00 TO STA 18+00



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#### LANDSCAPE CONSTRUCTION NOTES

- 1 EXISTING TREE TO REMAIN, SAVE AND PROTECT; SEE DETAIL SHEET 24.
- 2 SEEDED LAWN RESTORATION AREA; INSTALL 2" TOPSOIL TYPE A AND HYDROSEED ENTIRE DISTURBED AREA, TYP.
- 3 PLANTER RESTORATION AREA; INSTALL 6" TOPSOIL TYPE A AND 2" BARK OR WOOD CHIP MULCH OVER ENTIRE DISTURBED AREA, TYP.
- 4 EXISTING VEGETATION THIS AREA, SAVE AND PROTECT; PRUNE BACK SHRUB OR TREE LIMBS ONLY AS REQUIRED WHERE VEGETATION CONFLICTS WITH CONSTRUCTION ACTIVITIES AS APPROVED BY PROJECT ENGINEER.
- 5 INSTALL TREE IN TREE GRATE PER DETAIL, SHEET 25.

#### URBAN DESIGN CONSTRUCTION NOTES

- 4 TREE GRATE, SEE DETAIL SHEET 25.
- 5 ROADWAY LUMINAIRE WITH POLE AND VINYL BANNER ON BANNER ARMS AND FLAG, SEE DETAIL SHEET 32.
- 6 CEMENT CONCRETE SIDEWALK, SEE DETAIL SHEET 26.
- 7 PEDESTRIAN LUMINAIRE AND POLE.

#### TREE GRATE SCHEDULE

STATION	OFFSET
18+15.20	23.50' RT
18+43.54	23.50' LT
19+24.53	23.50' LT
19+40.20	23.50' RT
19+44.53	23.50' LT
19+65.20	23.50' RT
20+50.44	23.50' RT
20+70.44	23.50' RT
20+71.65	23.50' LT
20+90.44	23.50' RT
20+91.65	23.50' LT
21+20.44	23.50' RT
21+70.16	23.50' RT
21+90.16	23.50' RT

SEE SHEETS 24-25 FOR LANDSCAPE SCHEDULE, DETAILS AND GENERAL NOTES; SEE SHEETS 26 & 27 FOR URBAN DESIGN DETAILS AND GENERAL NOTES.

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TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

LANDSCAPE & URBAN DESIGN PLAN  
STA 18+00 TO STA 23+50

KPG PROJECT No. 10089A SHT 23 OF 35



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STREET TREE & RESTORATION SCHEDULE

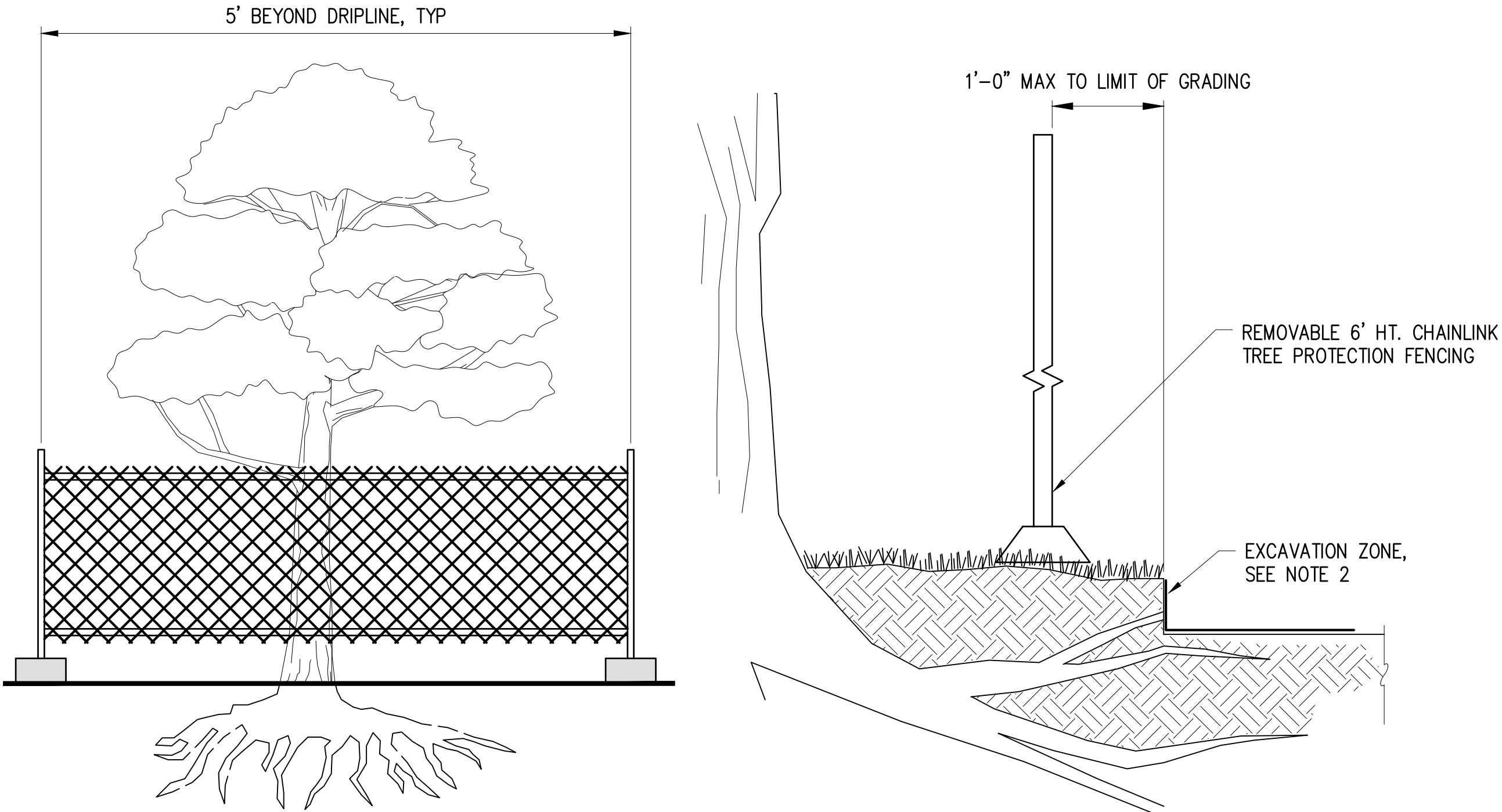
SYMBOL		BOTANICAL NAME/ COMMON NAME	SIZE	QTY	REMARKS
STREET TREES					
	T1	ACER RUBRUM 'BOWHALL'/ BOWHALL MAPLE	2" CAL. 10'-12' HT.	17	B&B, WELL-BRANCHED
	T2	TILIA CORDATA 'CORZAM'/ CORINTHIAN LINDEN	2" CAL. 10'-12' HT.	16	B&B, WELL-BRANCHED
BACK-OF-WALK RESTORATION PLANTS					
	S1	JUNIPERUS CHINENSIS 'HETZII COLUMNARIS'/ GREEN COLUMNAR JUNIPER	5 GAL. CONT.	1	60" O.C. TRI. SP. TYP.
	S2	PRUNUS 'OTTO LUYKEN'/ OTTO LUYKEN LAUREL	5 GAL. CONT.	30	60" O.C. TRI. SP. TYP.
	S2	SYRINGA VULGARIS 'ELSDANCER'/ TINY DANCER LILAC	2 GAL. CONT.	1	36" O.C. TRI. SP. TYP.
	S3	PINUS MUGO/ MUGO PINE	5 GAL. CONT.	8	48" O.C. TRI. SP. TYP.
	S4	JUNIPERUS CHINENSIS 'SEA GREEN'/ SEA GREEN JUNIPER	2 GAL. CONT.	1	60" O.C. TRI. SP. TYP.
	S5	BERBERIS THUNBERGII 'ATROPURPUREA'/ RED LEAF BARBERRY	2 GAL. CONT.	15	48" O.C. TRI. SP. TYP.
	S6	COTONEASTER DAMMERI/ BEARBERRY COTONEASTER	2 GAL. CONT.	33	36" O.C. TRI. SP. TYP.
	S7	THUJA OCCIDENTALIS 'LITTLE GIANT'/ LITTLE GIANT ARBORVITAE	5 GAL. CONT.	1	48" O.C. TRI. SP. TYP.
	S8	AZALEA X 'HINO DEGIRI'/ HINO DEGIRI EVERGREEN AZALEA	2 GAL. CONT.	1	36" O.C. TRI. SP. TYP.
	GC1	PRUNUS LAUROCERASUS 'MT. VERNON'/ MT. VERNON LAUREL	1 GAL. CONT.	6	36" O.C. TRI. SP. TYP.
	GC2	ARCTOSTAPHYLOS UVA-URSI/ KINNIKINNICK	1 GAL. CONT.	10	24" O.C. TRI. SP. TYP.
	GC3	JUNIPERUS COMMUNIS 'DEPRESSA'/ DEPRESSED COMMON JUNIPER	1 GAL. CONT.	4	36" O.C. TRI. SP. TYP.
	GC4	MUEHLENBECKIA AXILLARIS/ CREEPING WIRE VINE	1 GAL. CONT.	4	24" O.C. TRI. SP. TYP.
	G1	FESTUCA GLAUCA 'ELIJAH BLUE'/ ELIJAH BLUE FESCUE	1 GAL. CONT.	3	18" O.C. TRI. SP. TYP.
	SEEDED LAWN INSTALLATION			415 SY	

LANDSCAPE GENERAL NOTES

- ALL PLANT MATERIALS TO MEET AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1-1990 OR MOST CURRENT VERSION.
- PLANT, MAINTAIN AND WARRANTY AS PER SPECIAL PROVISIONS.
- DO NOT SUBSTITUTE SPECIES WITHOUT THE APPROVAL OF THE ENGINEER.
- STREET TREES SHALL MEET WSDOT STANDARD "STREET TREE GRADE" SPECIFICATION AND SHALL BRANCH AT MIN 6' ABOVE ROOTBALL. INSTALLED TREE HEIGHT SHALL NOT EXCEED SPECIFIED HEIGHT BY MORE THAN 2' UNLESS APPROVED BY THE ENGINEER.
- TREE PITS FOR TREE GRATES SHALL RECEIVE 4'W X 12'L X 36" DEPTH TOPSOIL TYPE D.
- ALL DISTURBED AREAS NOT BEING PLANTED OR SEEDED SHALL RECEIVE 6" TOPSOIL TYPE A AND 2" BARK MULCH, TYP.
- INSTALL TREE WATERING BAG SYSTEM ON ALL NEW STREET TREES, TYP.

TREE PROTECTION NOTES

- SIX FOOT HIGH CHAINLINK FENCE SHALL BE PLACED AT THE LIMITS OF CONSTRUCTION AND SHALL EXTEND 5' BEYOND DRIPLINE. AVOID DRIVING POSTS OR STAKES INTO MAJOR ROOTS.
- TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER 1" IN DIAMETER DAMAGED DURING CONSTRUCTION; MAKE A CLEAN, STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND COVERED WITH SOIL AS SOON AS POSSIBLE.
- WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY. NO STOCKPILE OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMITS OF THE FENCING.
- ALL TREES NOTED FOR REMOVAL SHALL BE APPROVED BY THE ENGINEER, PRIOR TO START OF CONSTRUCTION ACTIVITIES.
- ALL TREES TO REMAIN WITHIN CLEARING AND GRUBBING LIMITS, SHALL BE TAGGED FOR APPROVAL BY THE ENGINEER, PRIOR TO START OF CONSTRUCTION ACTIVITIES.
- MAINTAIN FENCING IN PLACE UNTIL THE TOWN AUTHORIZES REMOVAL OR A FINAL APPROVAL IS ISSUED.



TREE PROTECTION FENCE DETAIL  
NTS

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089LPN.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	CS 1/2022
PROJECT ENGINEER	DATE	DESIGNED BY
		TF 1/2022
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		LG 1/2022
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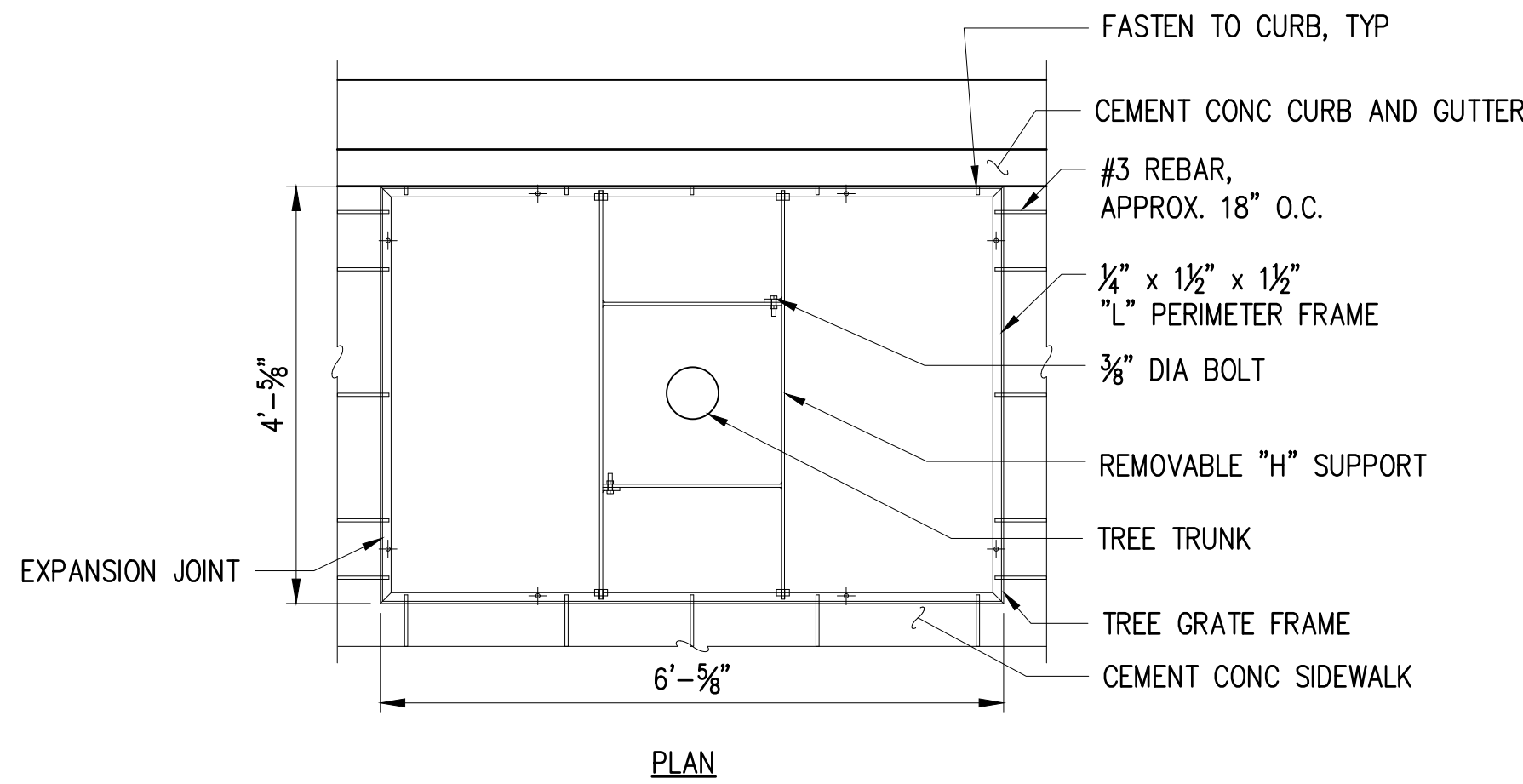


TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

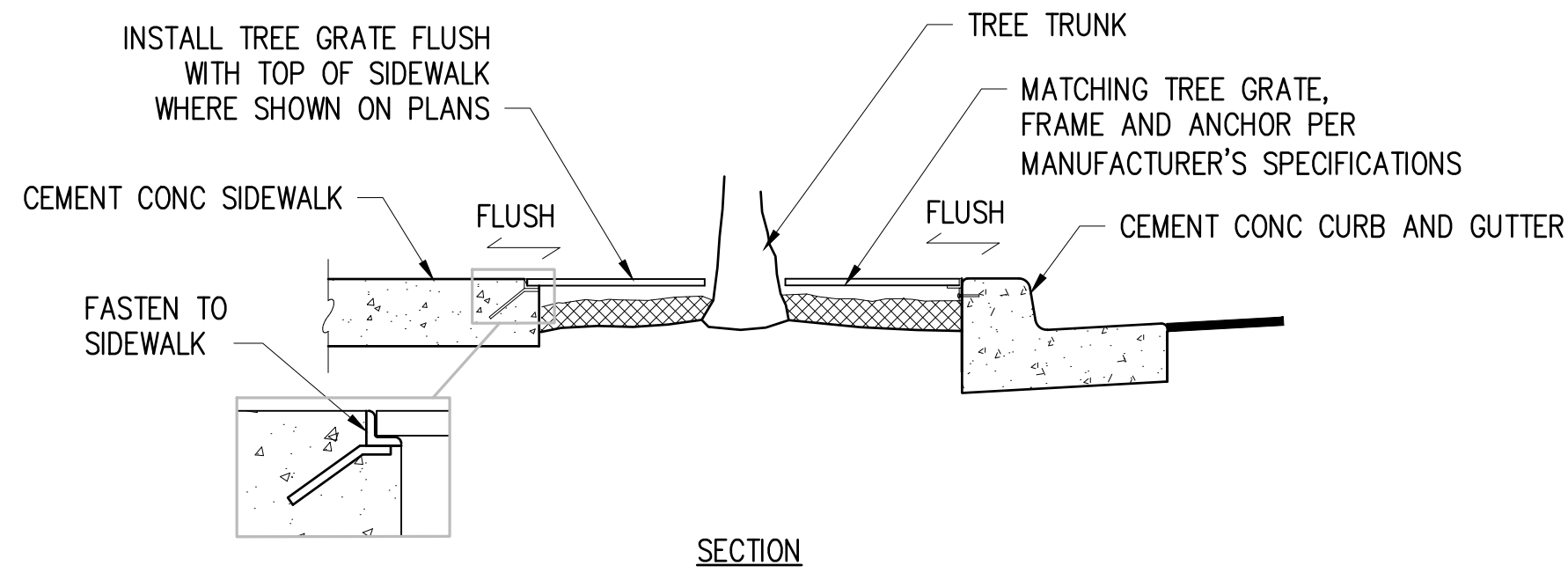
LANDSCAPE SCHEDULE & DETAILS



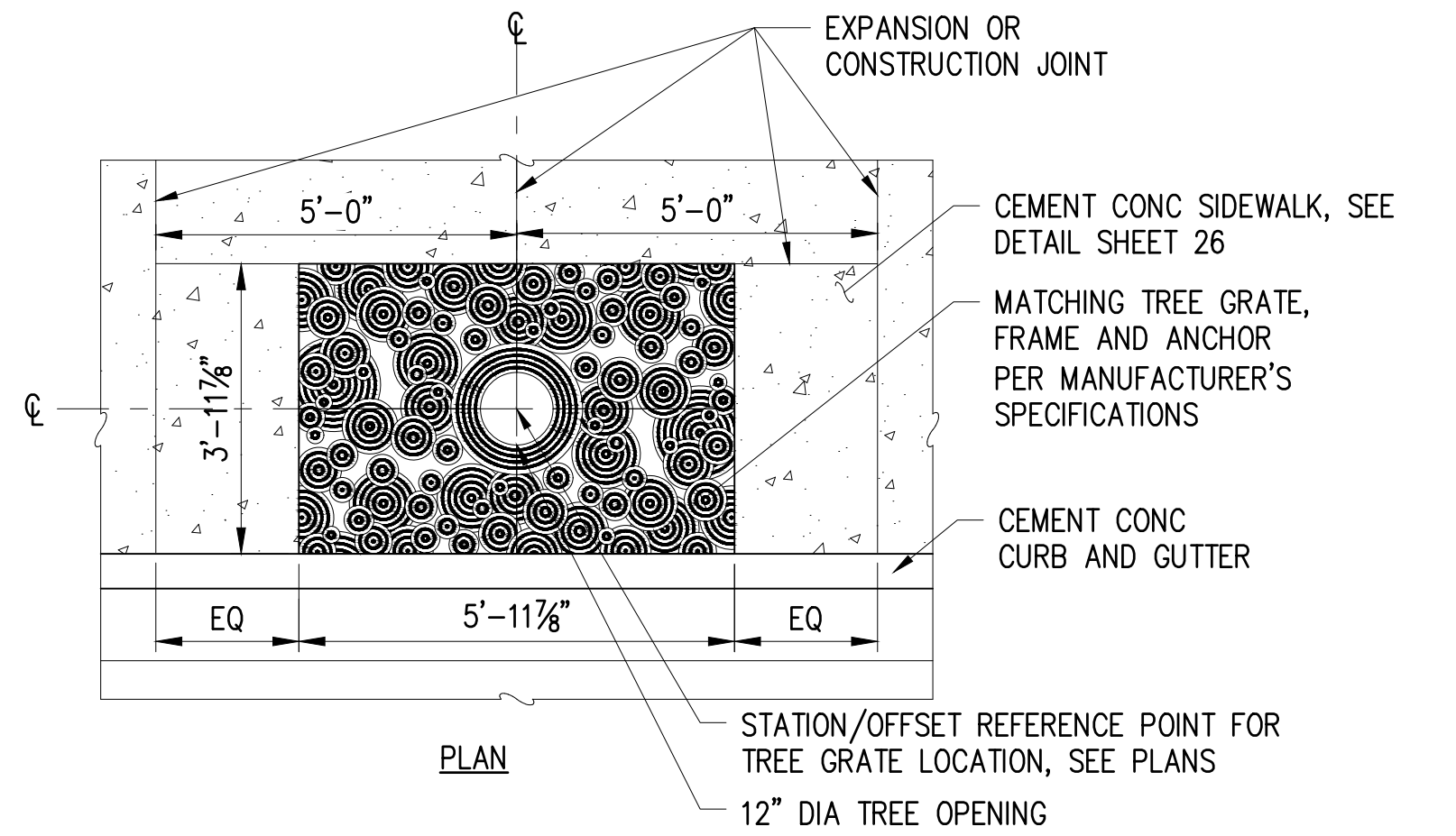
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**TREE GRATE FRAME DETAILS**  
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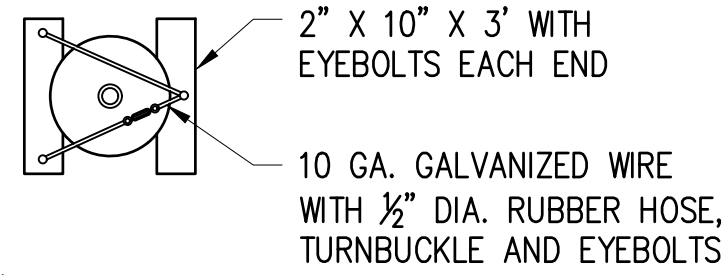


**TREE GRATE DETAILS**  
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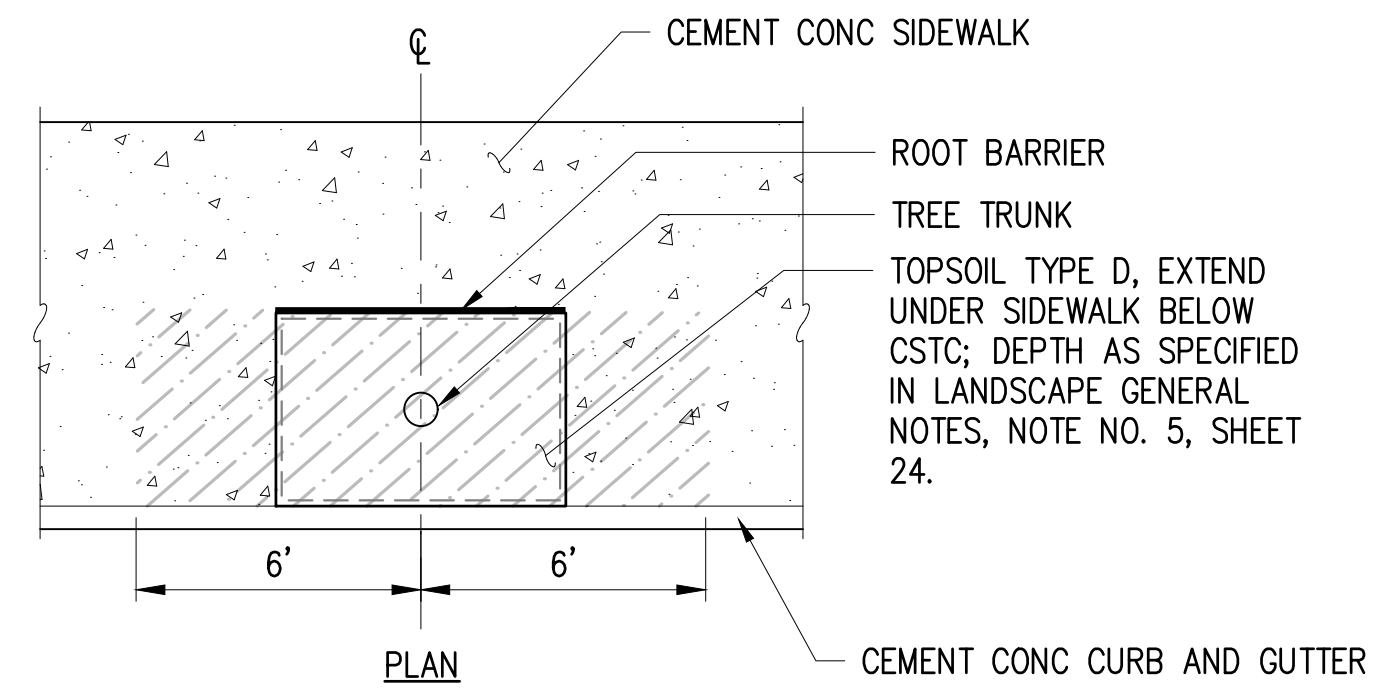
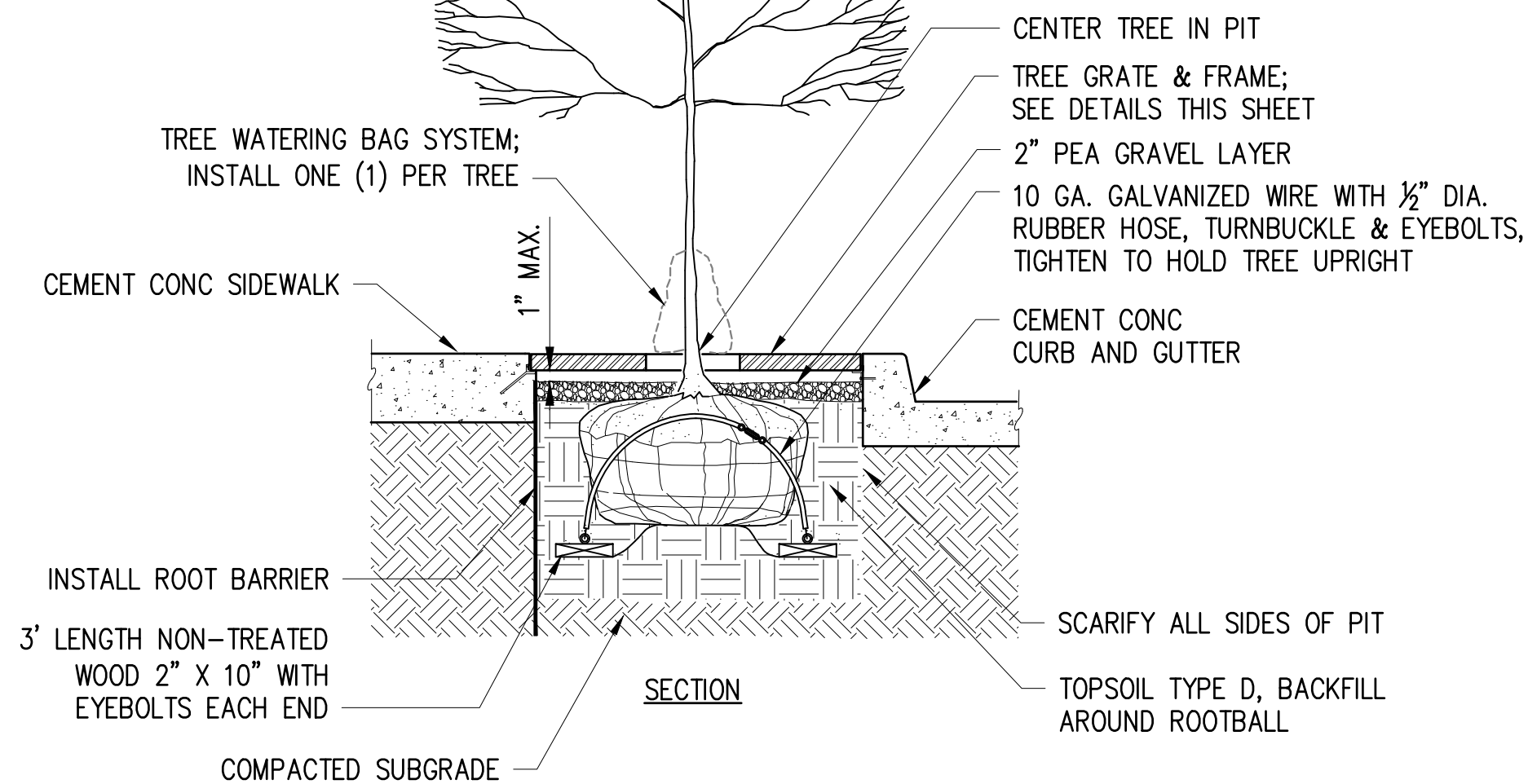


**NOTE:**

1. TREE PIT SHALL NOT BE LESS THAN (2) TIMES ROOT BALL DIAMETER.
2. CUT ALL TIES AND REMOVE BURLAP FROM ROOTBALL.
3. REMOVE ALL PLASTIC AND TWINE.
4. PLANT TREES WITH ROOT FLARE VISIBLE; DO NOT COVER TOP OF ROOT BALL WITH SOIL.



**STAKING PLAN**



**TYPICAL STREET TREE PLANTING DETAILS**  
NTS

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ENGINEERING MANAGER	DATE	CS 1/2022
PROJECT MANAGER	DATE	DESIGNED BY TF 1/2022
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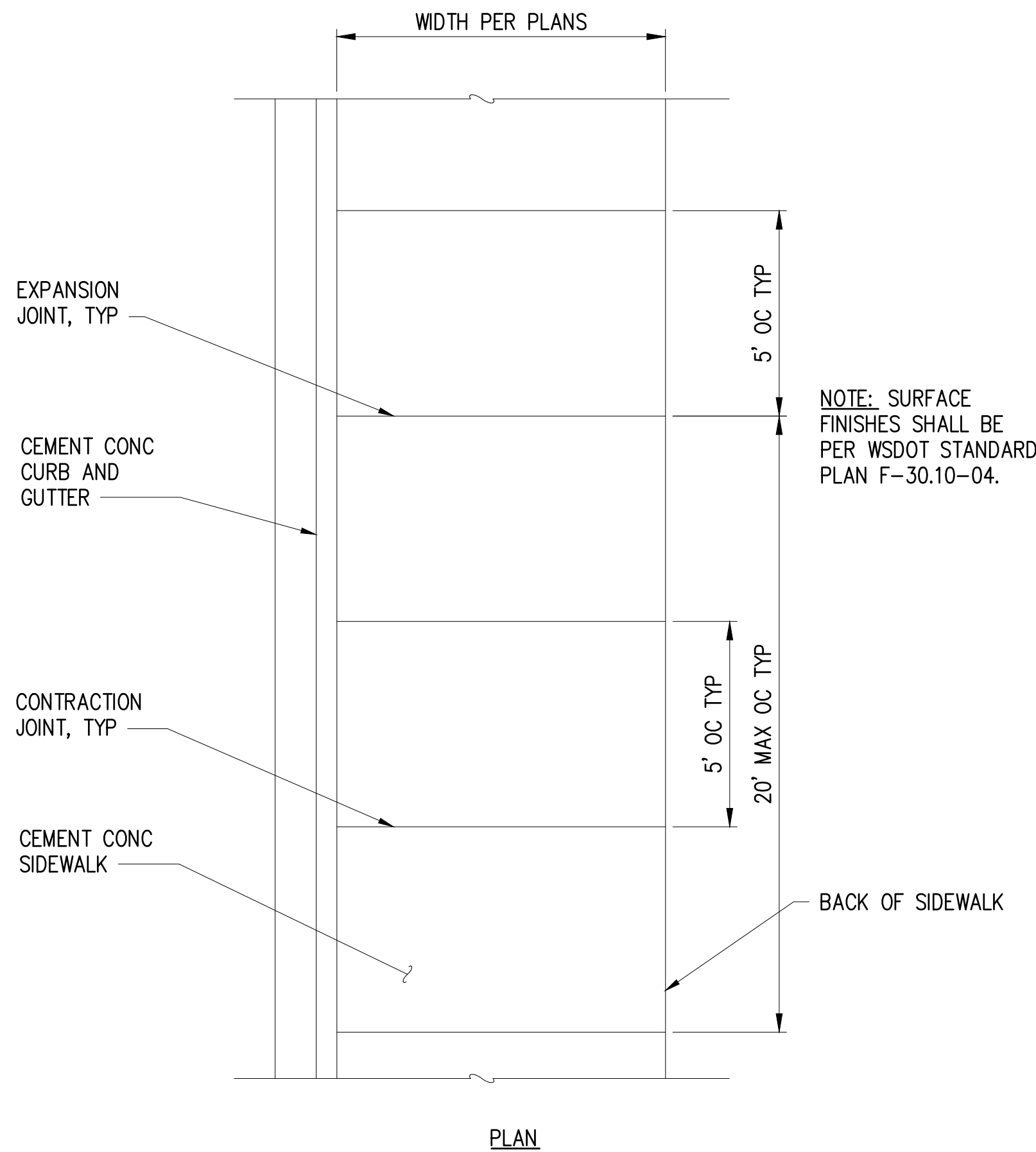


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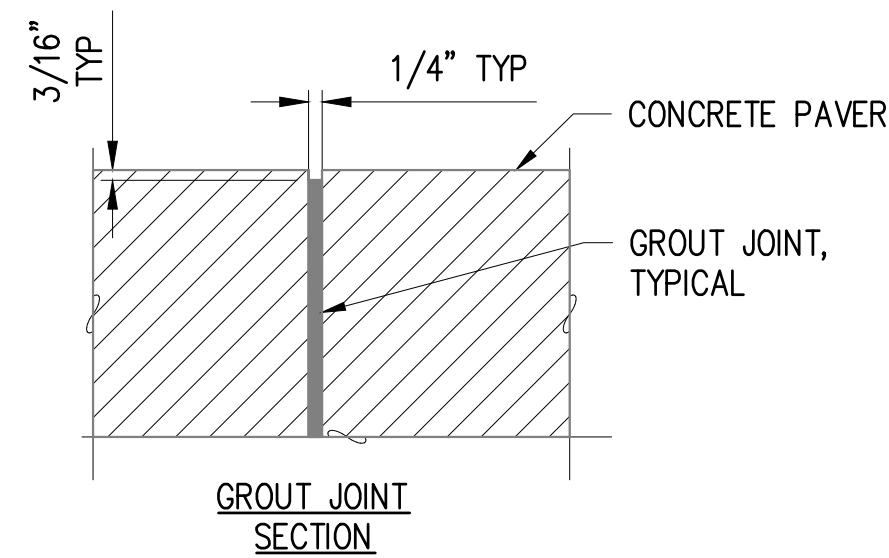
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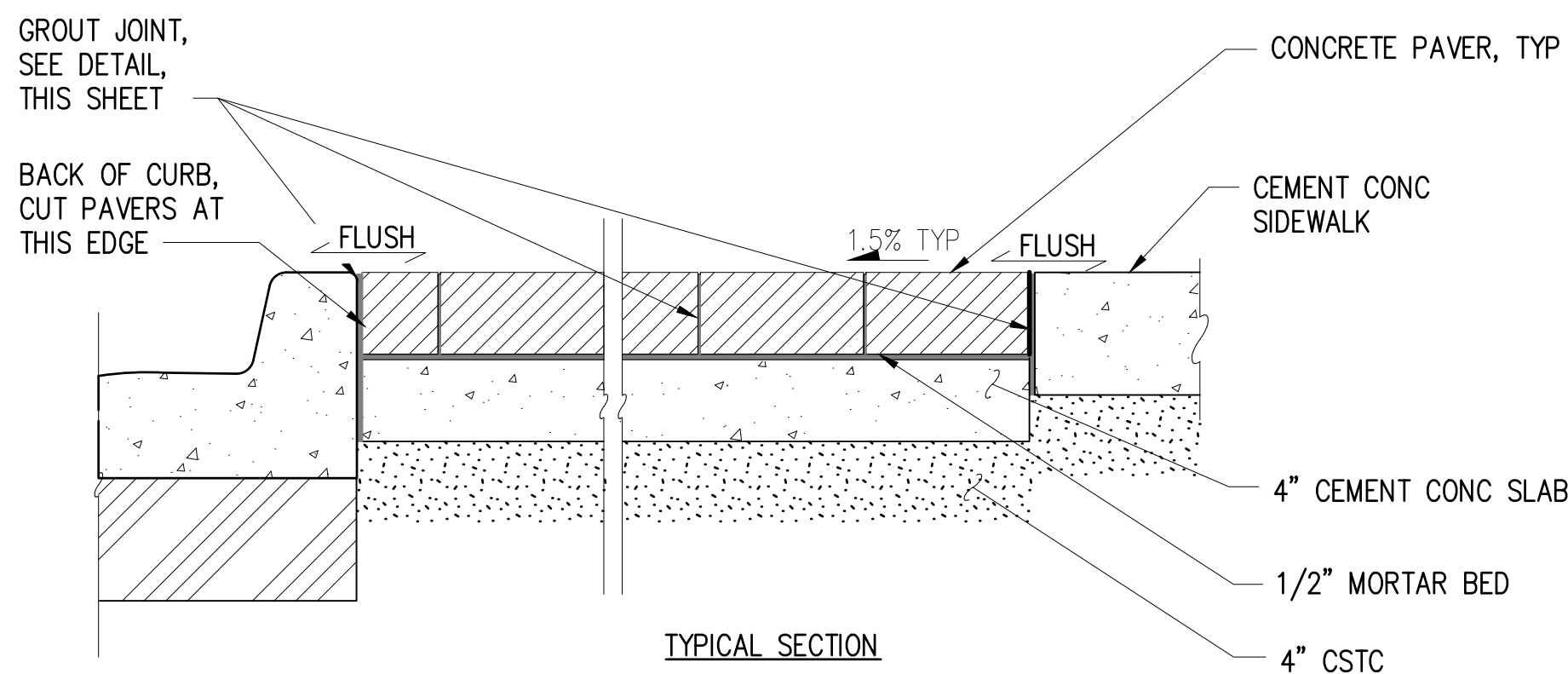
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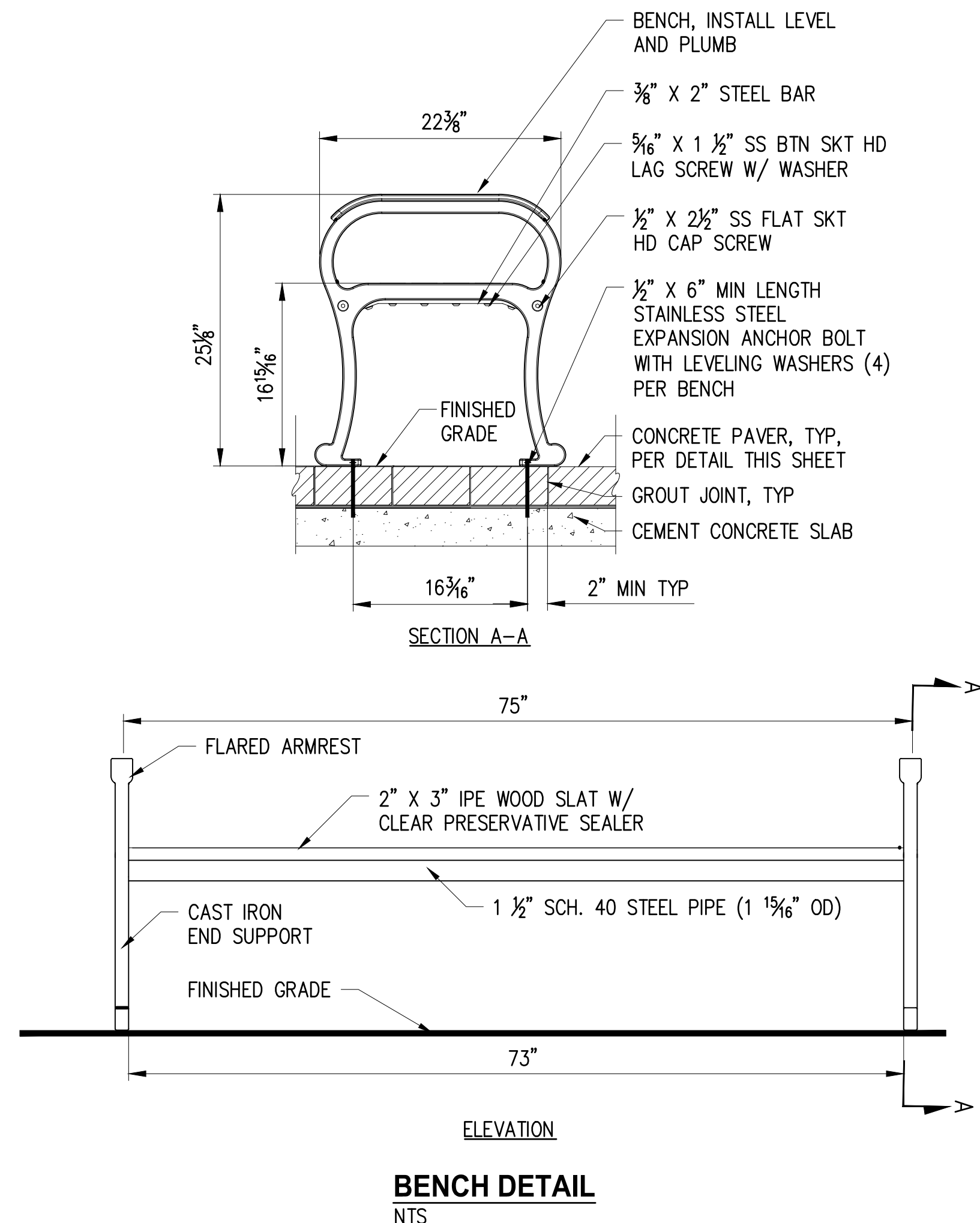
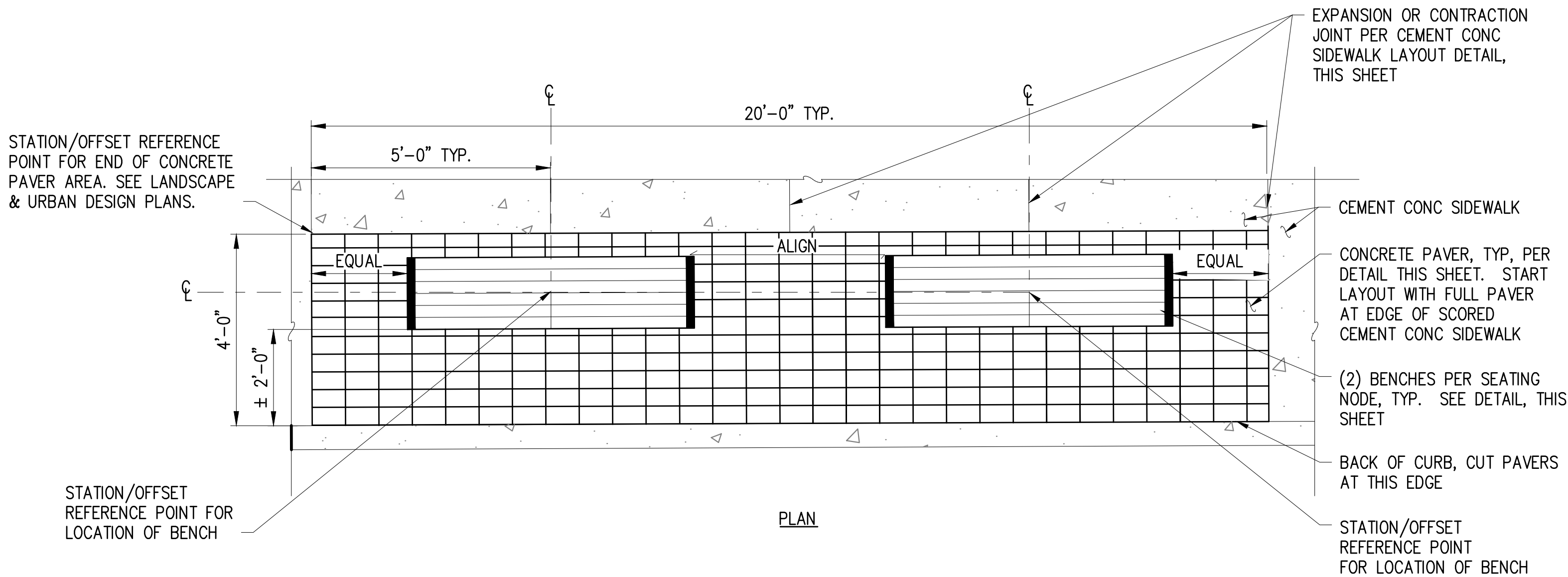
**CEMENT CONC SIDEWALK LAYOUT DETAIL**  
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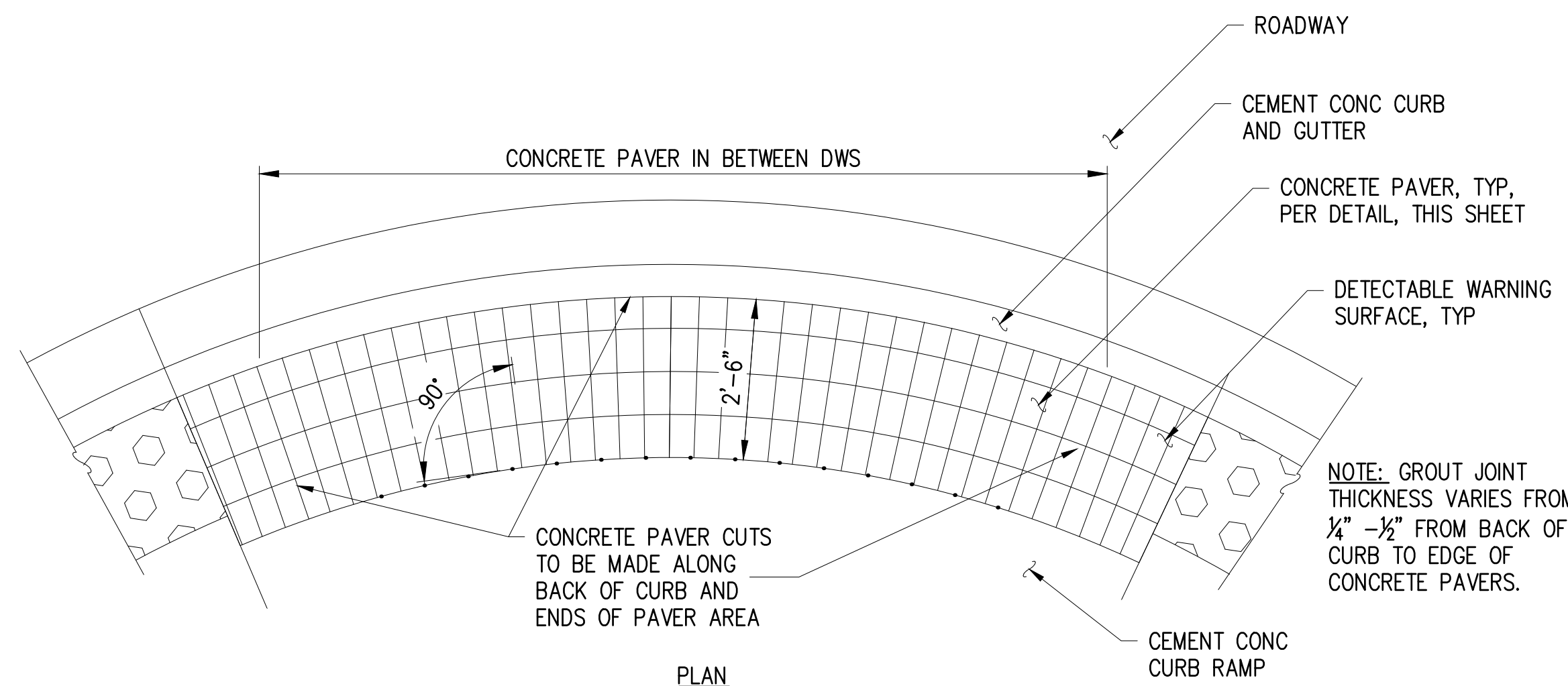
**CONCRETE PAVER DETAIL**  
NTS



**CONCRETE PAVER AT SEATING NODE LAYOUT DETAIL**  
NTS



**BENCH DETAIL**  
NTS



**CONCRETE PAVER LAYOUT AT INTERSECTION DETAIL**  
NTS

NO.	DATE	BY	APPR.	REVISIONS

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PROJECT ENGINEER	DATE	HF
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		DATE



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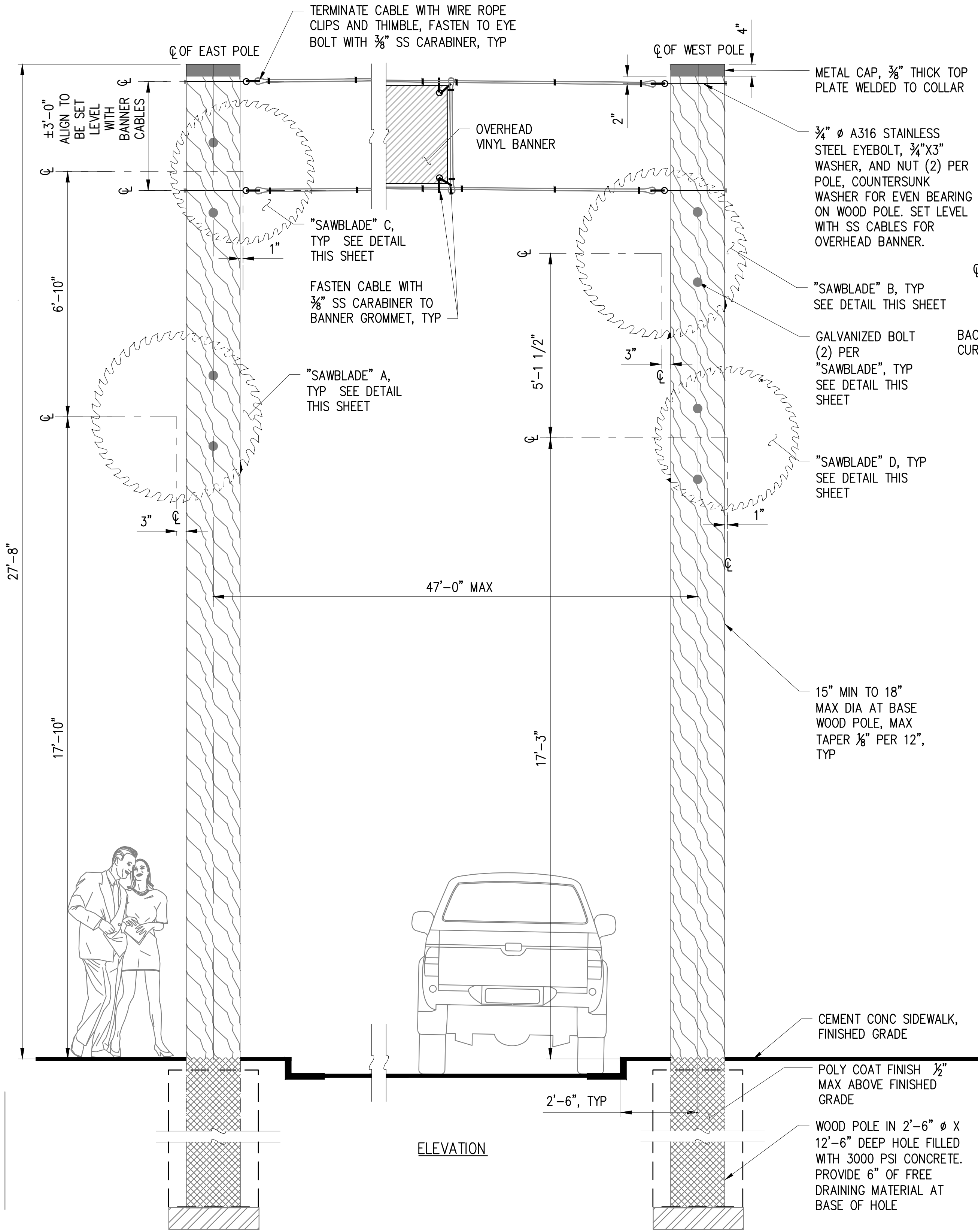
**URBAN DESIGN DETAILS**

KPG PROJECT No. 10089A SHT 26 OF 35



URBAN DESIGN GENERAL NOTES

1. ELECTRONIC GRAPHIC FILE TO BE PROVIDED FOR "SAWBLADE" PATTERN BY ENGINEER PER CONTRACTOR'S REQUEST PRIOR TO FABRICATION.
2. CONTRACTOR TO OBTAIN ENGINEER'S APPROVAL FOR POLE AND EYE BOLT LOCATIONS BEFORE ASSEMBLY AND INSTALLATION.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF "SAWBLADE" WITH GRAPHICS LAYOUT FOR ENGINEER APPROVAL PRIOR TO FABRICATION.

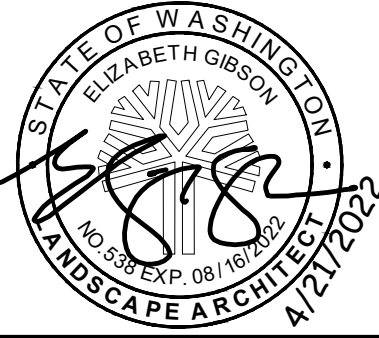


CUSTOM BANNER POLE DETAIL  
NTS

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PROJECT MANAGER	DATE	DESIGNED BY	HF	1/2022
PROJECT ENGINEER	DATE	DRAWN BY	LG	1/2022
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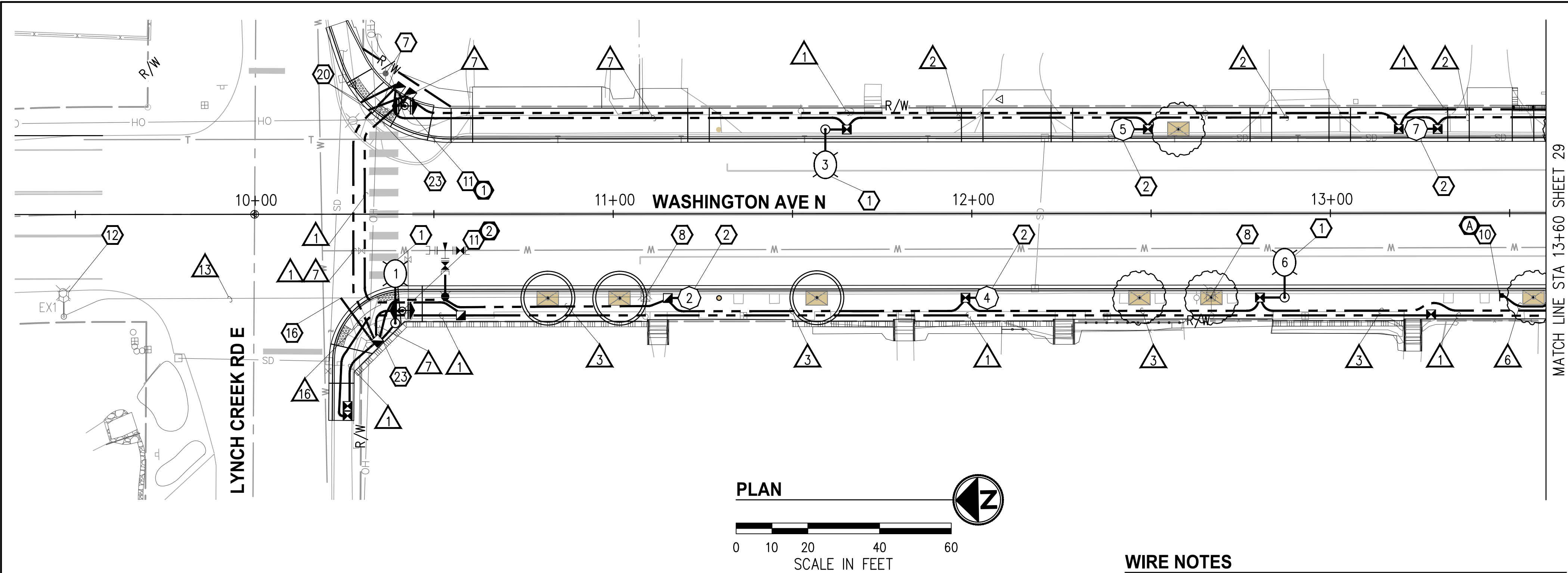


TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
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URBAN DESIGN DETAILS



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#### LUMINAIRE SCHEDULE (ELECTRICAL SERVICE "S1", FOR PANEL SCHEDULE SEE SHEET 31.)

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
1	WASHINGTON AVE N, STA 10+39	30.4' RT	COBRA, 50W LED, 240V (M-III-FC)	12'	27'	FIXED	5	HANDHOLE SHALL FACE ROADWAY
2	WASHINGTON AVE N, STA 11+21	23.5' RT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	5	
3	WASHINGTON AVE N, STA 11+59	23.5' LT	COBRA, 50W LED, 240V (M-III-FC)	6'	27'	FIXED	1	
4	WASHINGTON AVE N, STA 12+04	23.5' RT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	5	
5	WASHINGTON AVE N, STA 12+42	23.5' LT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	1	
6	WASHINGTON AVE N, STA 12+87	23.5' RT	COBRA, 50W LED, 240V (M-III-FC)	6'	27'	FIXED	5	
7	WASHINGTON AVE N, STA 13+24	23.5' LT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	1	

#### RRFB POLE SCHEDULE

POLE #	STATION	OFFSET	POLE TYPE	PPB EXTENSION	FOUNDATION
①	10+41	27.0' RT	FB	NONE	SEE RRFB FOUNDATION DETAIL, SHEET 32
②	10+42	30.2' LT	FB	NONE	SEE RRFB FOUNDATION DETAIL, SHEET 32

#### SCHOOL ZONE BEACON POLE SCHEDULE

POLE #	STATION	OFFSET	POLE TYPE	FOUNDATION
Ⓐ	13+48	23.1' RT	FB	SEE RRFB FOUNDATION DETAIL, SHEET 32

#### GENERAL NOTES

- ALL WORK SHALL BE COMPLETED IN THE ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND THESE PLANS.
- THE LOCATION OF ALL CONDUIT, JUNCTION BOXES, AND LUMINAIRES SHOWN ON THIS PLAN ARE FOR GRAPHIC PRESENTATION. FINAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD.
- FOR CONDUIT LOCATED IN A TRENCH, INSTALL PER CONDUIT TRENCH DETAIL, SHEET 7.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- ALL NEW FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
- CONTRACTOR SHALL COORDINATE ALL ELECTRICAL WORK WITH TOWN ELECTRICAL REPRESENTATIVE DAN SHARPE AT 253-278-3905.
- ALL NEW JUNCTION BOXES SHALL BE INSTALLED IN SIDEWALKS AND SHALL HAVE SKID RESISTANT LIDS. JUNCTION BOXES SHALL BE PER WSDOT STD PLANS J-40.10 AND J-40.30. FOR TYPICAL LUMINAIRE POLE/JUNCTION BOX LAYOUT DETAIL, SEE SHEET 32.
- EXISTING OR HIGHER ILLUMINATION LEVELS SHALL BE MAINTAINED BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING 10' CLEARANCE ZONE AROUND EXISTING SECONDARY POWER LINES DURING THE CONSTRUCTION. COORDINATE WORK WITH THE POWER COMPANY.
- CONTRACTOR IS ADVISED THAT NO OPEN TRENCHING WILL BE ALLOWED ACROSS SR161/WASHINGTON AVE.

#### CONSTRUCTION NOTES

- CONSTRUCT ROADWAY LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL DECORATIVE ROADWAY LUMINAIRE POLE, BASE, ARM, LED LUMINAIRE, BANNER ARMS, FLAG POLE HOLDER AND ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING PER DETAILS, SHEETS 31-32.
- CONSTRUCT PEDESTRIAN LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, BASE, LED LUMINAIRE AND ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING PER DETAILS, SHEETS 31-32.
- EXISTING UTILITY POLE TO BE RELOCATED/REMOVED BY OTHERS. COORDINATE WORK WITH TOWN OF EATONVILLE ELECTRICAL REPRESENTATIVE.
- FOLLOWING ACTIVATION OF FULLY FUNCTIONING NEW ILLUMINATION SYSTEM ON EAST SIDE OF WASHINGTON AVE, REMOVE EXISTING LUMINAIRE POLE, LUMINAIRE, BASE, UNUSED WIRING, JUNCTION BOX AND ALL ASSOCIATED EQUIPMENT. REMOVE UNUSED WIRING TO SERVICE CABINET. GRIND DOWN EXISTING FOUNDATION 2' BELOW PROPOSED GRADE. BACKFILL AND COMPACT VOIDS PER SPECIAL PROVISIONS. CAP AND ABANDON EXISTING EMPTY CONDUIT. SALVAGE TOWN OWNED POLE/LUMINAIRE/EQUIPMENT PER SPECIAL PROVISIONS.
- CONSTRUCT FOUNDATION PER RRFB FOUNDATION DETAIL, SHEET 32 AND SCHOOL ZONE BEACON SCHEDULE, THIS SHEET. FURNISH AND INSTALL FLASHING SCHOOL ZONE BEACON ASSEMBLY INCLUDING SCHOOL ZONE BEACON POLE, CONTROLLER CABINET, 2 LED BEACONS, AND SIGNS PER SCHOOL ZONE BEACON DETAIL, SHEET 32. COMPLETE WIRING PER WIRE NOTES, THIS SHEET. COORDINATE WORK WITH TOWN ELECTRICAL REPRESENTATIVE.
- CONSTRUCT FOUNDATION PER RRFB FOUNDATION DETAIL, SHEET 32 AND RRFB SCHEDULE, THIS SHEET. FURNISH AND INSTALL ONE A/C POWERED RRFB ASSEMBLY INCLUDING ONE RRFB POLE, ONE CONTROLLER CABINET, TWO RRFB'S (BI-DIRECTIONAL, SIDE EMITTING PEDESTRIAN CONFORMATION LIGHTS), ONE APS STYLE PEDESTRIAN PUSH BUTTON ASSEMBLY AND SIGNS PER RRFB DETAIL, SHEET 32. COMPLETE WIRING PER WIRE NOTES, THIS SHEET.
- EXISTING LUMINAIRE POLE AND ROADWAY LUMINAIRE TO REMAIN. REMOVE EXISTING FLOWER BASKET ARMS AND PEDESTRIAN LUMINAIRE, LUMINAIRE ARM, AND ALL ASSOCIATED EQUIPMENT. FLAG HOLDER TO REMAIN. REUSE EXISTING THROUGH-BOLTS TO PLUG UNUSED HOLES. INSTALL BANNER ARMS PER DECORATIVE ROADWAY LUMINAIRE DETAIL, SHEETS 31-32. SPLICE NEW WIRING IN LUMINAIRE PER SITE NOTES, THIS SHEET AND CONSTRUCTION NOTE 16. COORDINATE WORK WITH TOWN ELECTRICAL REPRESENTATIVE.
- LOCATE EXISTING CONDUIT AND RE-ROUTE TO NEW JUNCTION BOX. CONTRACTOR SHALL MATCH CONDUIT SIZE AND TYPE. INSTALL NEW WIRING PER WIRE NOTES, THIS SHEET. CAP AND ABANDON UNUSED CONDUIT.
- INSTALL 2" CONDUIT INTO JUNCTION BOX AND END CONDUIT RUN AT PROPOSED FACE OF CURB. CAP END OF SPARE CONDUIT AT FACE OF CURB.
- REMOVE EXISTING RRFB ASSEMBLY AND ALL ASSOCIATED EQUIPMENT INCLUDING LIGHTS, POLE, PUSH BUTTONS, AND CONTROLLER. SALVAGE ALL EQUIPMENT TO TOWN. REMOVE EXISTING FOUNDATION COMPLETELY. BACKFILL AND COMPACT VOIDS PER SPECIAL PROVISIONS.

#### LEGEND

EXISTING	NEW	DESCRIPTION
		ROADWAY LUMINAIRE (COBRA) AND POLE
		PEDESTRIAN LUMINAIRE (DECORATIVE) AND POLE
		SIGN WITH ELECTRICAL COMPONENTS
		ELECTRICAL SERVICE CABINET
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE
		RRFB ASSEMBLY WITH APS PUSH BUTTON

#### WIRE NOTES

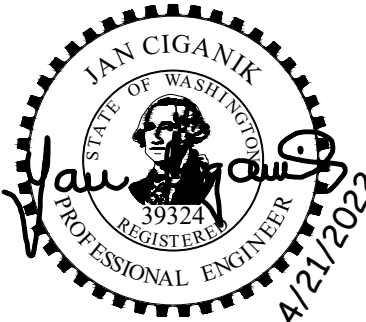
#	RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"		SPARE
2	2"	2-#8 (ILL), 2-#6 (REC), 2-#8(RRFB)	
3	2"	2-#8 (ILL), 2-#4 (REC)	
4	3"	4-#8(ILL), 4-#4(REC), 2-#8(SCH), 4-#8(RRFB)	
5	4"	8-#8(ILL), 6-#4(REC) 2-#6(REC), 6-#8(RRFB), 2-#8(SCH)	
6	2"	2-#8 (SCH)	
7	2"	2-#8 (RRFB)	
8	2"	2-#8(ILL), 2-#4(REC), 2-#8(SCH)	
9	2"	2-#8(ILL), 2-#4(REC), 2-#8(RRFB)	
10	3"	3-#3/0 (SERVICE)	FEEDER, NO GROUND
11	EX	2-#8 (ILL), 2-#4(REC)	
12	4"		SPARE FOR TELECOM
13	EX	2-#8 (ILL)	REMOVE EX. WIRING
14	2"	2-#8(ILL), 2-#4(REC), 2-#8(SCH), 2-#8(RRFB)	
15	2"	2-#8 (ILL), 2-#6(REC), 4-#8(RRFB)	
16	2"	2-#8 (ILL)	

#### NOTES

- ALL NEW PVC CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (GROUND WIRE NOT SHOWN). WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUIT SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE MARKED AS "TOWN OF EATONVILLE" CONDUIT.
- ALL CONDUIT SHALL BE RIGID PVC SCH 80 UNLESS NOTED OTHERWISE ON THE PLANS.

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089ILL.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	DRAWN BY
	DATE	JC
	DATE	CHECKED BY



BID  
DOCUMENTS



TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

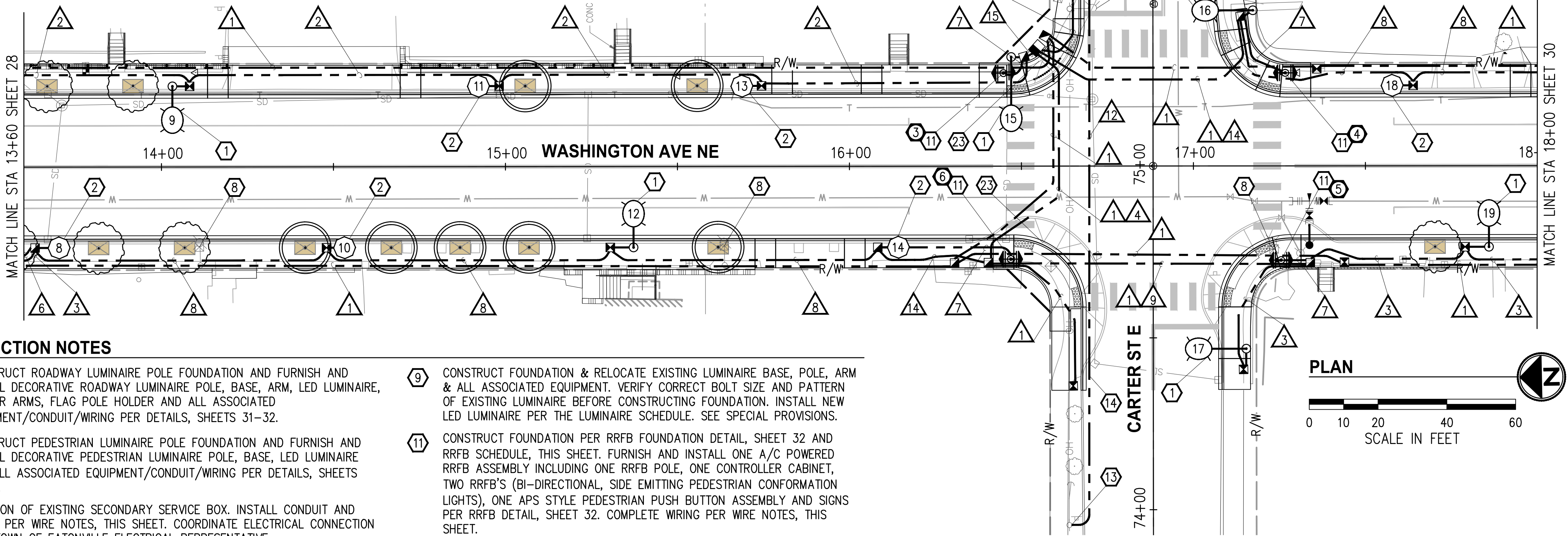
ILLUMINATION PLAN  
STA 9+00 TO STA 13+50

KPG PROJECT No. 10089A | SHT 28 OF 35



LUMINAIRE SCHEDULE (ELECTRICAL SERVICE "S1", FOR PANEL SCHEDULE SEE SHEET 31.)

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
8	WASHINGTON AVE N, STA 13+70	23.5' RT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	5	
9	WASHINGTON AVE N, STA 14+03	23.5' LT	COBRA, 50W LED, 240V (M-III-FC)	6'	27'	FIXED	1	
10	WASHINGTON AVE N, STA 14+53	23.5' RT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	5	
11	WASHINGTON AVE N, STA 14+92	23.4' LT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	1	
12	WASHINGTON AVE N, STA 15+37	23.5' RT	COBRA, 50W LED, 240V (M-III-FC)	6'	27'	FIXED	5	
13	WASHINGTON AVE N, STA 15+69	23.4' LT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	1	
14	WASHINGTON AVE N, STA 16+14	23.6' RT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	5	
15	WASHINGTON AVE N, STA 16+47	31.7' LT	COBRA, 50W LED, 240V (M-III-FC)	14'	27'	FIXED	1	
16	CARTER ST E, STA 75+45	29.0' RT	COBRA, 50W LED, 240V (M-III-FC)	10'	27'	FIXED	13	
17	CARTER ST E, STA 74+47	27.0' RT	COBRA, 50W LED, 240V (M-III-FC)	10'	27'	FIXED	9	
18	WASHINGTON AVE N, STA 17+58	23.4' LT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	13	
19	WASHINGTON AVE N, STA 17+86	23.6' RT	COBRA, 50W LED, 240V (M-III-FC)	6'	27'	FIXED	9	
EX2	CARTER ST E, STA 76+09	28.3' LT	EX	EX	EX	FIXED	1	



CONSTRUCTION NOTES

1. CONSTRUCT ROADWAY LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL DECORATIVE ROADWAY LUMINAIRE POLE, BASE, ARM, LED LUMINAIRE, BANNER ARMS, FLAG POLE HOLDER AND ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING PER DETAILS, SHEETS 31-32.

2. CONSTRUCT PEDESTRIAN LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, BASE, LED LUMINAIRE AND ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING PER DETAILS, SHEETS 31-32.

4. LOCATION OF EXISTING SECONDARY SERVICE BOX. INSTALL CONDUIT AND WIRING PER WIRE NOTES, THIS SHEET. COORDINATE ELECTRICAL CONNECTION WITH TOWN OF EATONVILLE ELECTRICAL REPRESENTATIVE.

5. CONSTRUCT ELECTRICAL SERVICE CABINET FOUNDATION PER WSDOT STD. PLAN J-10.10. FURNISH AND INSTALL FULLY FURNISHED ELECTRICAL SERVICE CABINET TYPE D PER WSDOT STD PLAN J-10.21, EXCEPT DOORS SHALL BE ORIENTED TOWARD THE ROADWAY. CONNECT ALL FIELD WIRING AND COORDINATE WITH THE TOWN ELECTRICAL REPRESENTATIVE. FOR LOCATION AND PANEL SCHEDULE, SEE SHEET 31.

7. EXISTING UTILITY POLE TO BE RELOCATED/REMOVED BY OTHERS. COORDINATE WORK WITH TOWN OF EATONVILLE ELECTRICAL REPRESENTATIVE.

8. FOLLOWING ACTIVATION OF FULLY FUNCTIONING NEW ILLUMINATION SYSTEM ON EAST SIDE OF WASHINGTON AVE, REMOVE EXISTING LUMINAIRE POLE, LUMINAIRE, BASE, UNUSED WIRING, JUNCTION BOX AND ALL ASSOCIATED EQUIPMENT. REMOVE UNUSED WIRING TO SERVICE CABINET. GRIND DOWN EXISTING FOUNDATION 2' BELOW PROPOSED GRADE. BACKFILL AND COMPACT VOIDS PER SPECIAL PROVISIONS. CAP AND ABANDON EXISTING EMPTY CONDUIT. SALVAGE TOWN OWNED POLE/LUMINAIRE/EQUIPMENT PER SPECIAL PROVISIONS.
9. CONSTRUCT FOUNDATION & RELOCATE EXISTING LUMINAIRE BASE, POLE, ARM & ALL ASSOCIATED EQUIPMENT. VERIFY CORRECT BOLT SIZE AND PATTERN OF EXISTING LUMINAIRE BEFORE CONSTRUCTING FOUNDATION. INSTALL NEW LED LUMINAIRE PER THE LUMINAIRE SCHEDULE. SEE SPECIAL PROVISIONS.

11. CONSTRUCT FOUNDATION PER RRFB FOUNDATION DETAIL, SHEET 32 AND RRFB SCHEDULE, THIS SHEET. FURNISH AND INSTALL ONE A/C POWERED RRFB ASSEMBLY INCLUDING ONE RRFB POLE, ONE CONTROLLER CABINET, TWO RRFB'S (BI-DIRECTIONAL, SIDE EMITTING PEDESTRIAN CONFORMATION LIGHTS), ONE APS STYLE PEDESTRIAN PUSH BUTTON ASSEMBLY AND SIGNS PER RRFB DETAIL, SHEET 32. COMPLETE WIRING PER WIRE NOTES, THIS SHEET.

13. INSTALL RISERS FOR COMMUNICATION CONDUIT ON EXISTING TIMBER UTILITY POLE. COORDINATE WORK WITH TELECOM COMPANIES AND TOWN ELECTRICAL REPRESENTATIVE.

14. CONDUIT SHOWN IN ROADWAY FOR CLARIFICATION ONLY. COORDINATE EXACT ROUTE WITH ENGINEER IN THE FIELD.

15. EXISTING TELECOMMUNICATIONS VAULT TO BE RELOCATED BY OTHERS. NEW CONDUIT TO BE INSTALLED BY OTHERS PER WIRE NOTES, THIS SHEET. COORDINATE WITH TELECOMMUNICATIONS REPRESENTATIVE.

23. REMOVE EXISTING RRFB ASSEMBLY AND ALL ASSOCIATED EQUIPMENT INCLUDING LIGHTS, POLE, PUSH BUTTONS, AND CONTROLLER. SALVAGE ALL EQUIPMENT TO TOWN. REMOVE EXISTING FOUNDATION COMPLETELY. BACKFILL AND COMPACT VOIDS PER SPECIAL PROVISIONS.

24. LOCATION OF EXISTING POLE MOUNTED ELECTRICAL SERVICE CABINET FOR EXISTING STREET LIGHTS. COORDINATE WITH EATONVILLE POWER REPRESENTATIVE ON REMOVAL.

RRFB POLE SCHEDULE

POLE #	STATION	OFFSET	POLE TYPE	PPB EXTENSION	FOUNDATION
3	16+47	27.1' RT	FB	NONE	SEE RRFB FOUNDATION DETAIL, SHEET 32
4	17+25	27.4' RT	FB	NONE	SEE RRFB FOUNDATION DETAIL, SHEET 32
5	17+27	27.1' LT	FB	NONE	SEE RRFB FOUNDATION DETAIL, SHEET 32
6	16+45	27.1' LT	FB	NONE	SEE RRFB FOUNDATION DETAIL, SHEET 32

GENERAL NOTES

- ALL WORK SHALL BE COMPLETED IN THE ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND THESE PLANS.
- THE LOCATION OF ALL CONDUIT, JUNCTION BOXES, AND LUMINAIRES SHOWN ON THIS PLAN ARE FOR GRAPHIC PRESENTATION. FINAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD.
- FOR CONDUIT LOCATED IN A TRENCH, INSTALL PER CONDUIT TRENCH DETAIL, SHEET 7.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- ALL NEW FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
- CONTRACTOR SHALL COORDINATE ALL ELECTRICAL WORK WITH TOWN ELECTRICAL REPRESENTATIVE DAN SHARPE AT 253-278-3905.
- ALL NEW JUNCTION BOXES SHALL BE INSTALLED IN SIDEWALKS AND SHALL HAVE SKID RESISTANT LIDS. JUNCTION BOXES SHALL BE PER WSDOT STD PLANS J-40.10 AND J-40.30. FOR TYPICAL LUMINAIRE POLE/JUNCTION BOX LAYOUT DETAIL, SEE SHEET 32.
- EXISTING OR HIGHER ILLUMINATION LEVELS SHALL BE MAINTAINED BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING 10' CLEARANCE ZONE AROUND EXISTING SECONDARY POWER LINES DURING THE CONSTRUCTION. COORDINATE WORK WITH THE POWER COMPANY.
- CONTRACTOR IS ADVISED THAT NO OPEN TRENCHING WILL BE ALLOWED ACROSS SR161/WASHINGTON AVE.

WIRE NOTES

#	RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"		SPARE
2	2"	2-#8 (ILL), 2-#6 (REC), 2-#8(RRFB)	
3	2"	2-#8 (ILL), 2-#4 (REC)	
4	3"	4-#8(ILL), 4-#4(REC), 2-#8(SCH), 4-#8(RRFB)	
5	4"	8-#8(ILL), 6-#4(REC) 2-#6(REC), 6-#8(RRFB), 2-#8(SCH)	
6	2"	2-#8 (SCH)	
7	2"	2-#8 (RRFB)	
8	2"	2-#8(ILL), 2-#4(REC), 2-#8(SCH)	
9	2"	2-#8(ILL), 2-#4(REC), 2-#8(RRFB)	
10	3"	3-#3/0 (SERVICE)	FEEDER, NO GROUND
11	EX	2-#8 (ILL), 2-#4(REC)	
12	4"		SPARE FOR TELECOM
13	EX	2-#8 (ILL)	REMOVE EX. WIRING
14	2"	2-#8(ILL), 2-#4(REC), 2-#8(SCH), 2-#8(RRFB)	
15	2"	2-#8 (ILL), 2-#6(REC), 4-#8(RRFB)	
16	2"	2-#8 (ILL)	

NOTES

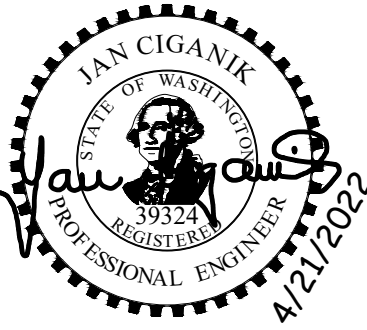
- ALL NEW PVC CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (GROUND WIRE NOT SHOWN). WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUIT SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE MARKED AS "TOWN OF EATONVILLE" CONDUIT.
- ALL CONDUIT SHALL BE RIGID PVC SCH 80 UNLESS NOTED OTHERWISE ON THE PLANS.

LEGEND

EXISTING	NEW	DESCRIPTION
		ROADWAY LUMINAIRE (COBRA) AND POLE
		PEDESTRIAN LUMINAIRE (DECORATIVE) AND POLE
		SIGN WITH ELECTRICAL COMPONENTS
		ELECTRICAL SERVICE CABINET
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE
		RRFB ASSEMBLY WITH APS PUSH BUTTON

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089ILL.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	DRAWN BY
		CHECKED BY



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DOCUMENTS

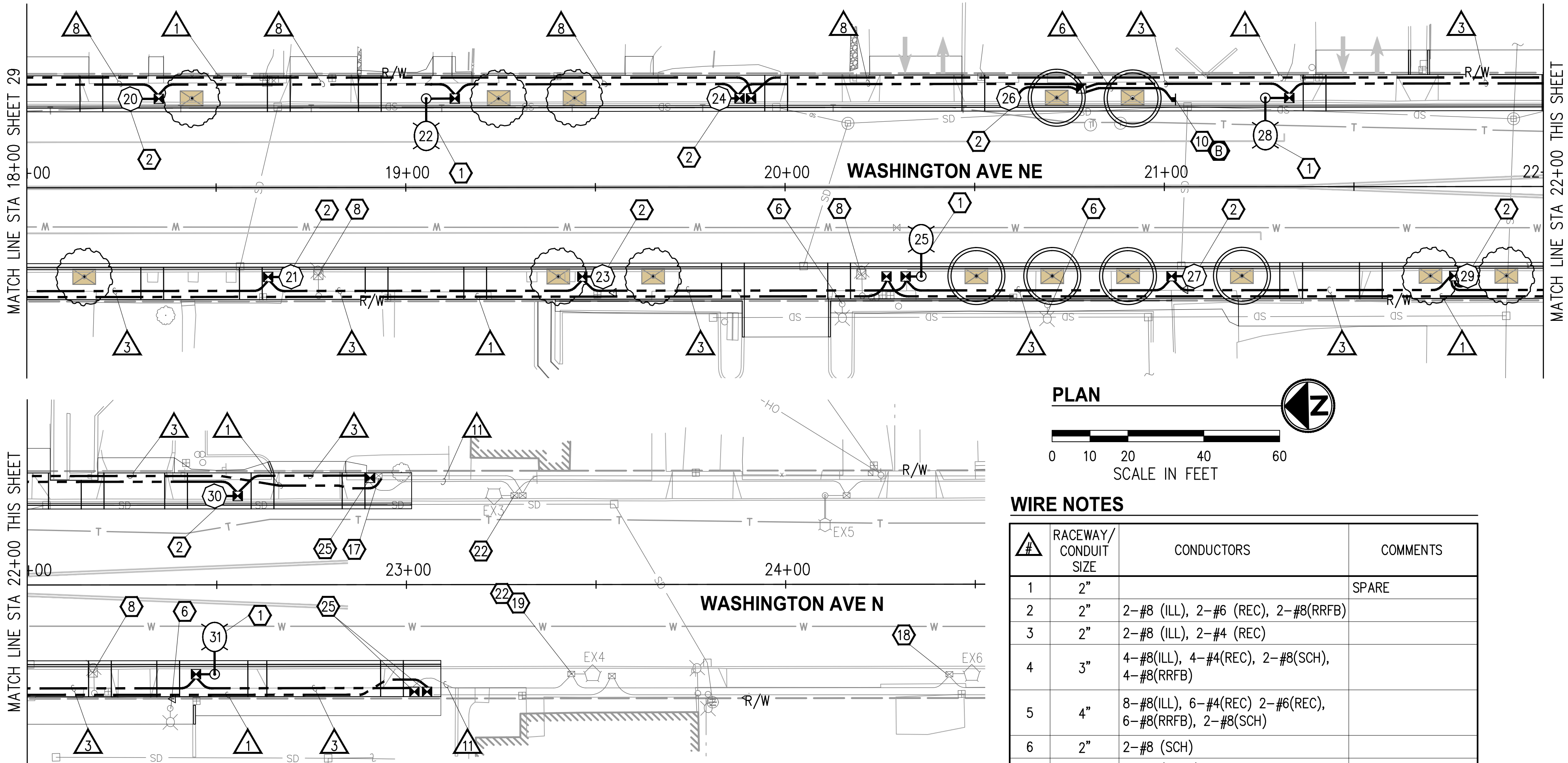


TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

ILLUMINATION PLAN  
STA 13+50 TO STA 18+00



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#### LUMINAIRE SCHEDULE (ELECTRICAL SERVICE "S1", FOR PANEL SCHEDULE SEE SHEET 31.)

LUMINAIRE #	STATION	OFFSET	LUMINAIRE TYPE	LUMINAIRE ARM	MOUNTING HEIGHT	BASE	CIRCUIT #	COMMENTS
20	WASHINGTON AVE N, STA 18+27	23.4' LT	ACORN, 40W LED, 240V (S-III-NC)	N/A	14'	FIXED	13	
21	WASHINGTON AVE N, STA 18+70	23.5' RT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	9	
22	WASHINGTON AVE N, STA 19+05	23.4' LT	COBRA, 50W LED, 240V (M-III-FC)	6'	27'	FIXED	13	
23	WASHINGTON AVE N, STA 19+52	23.6' RT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	9	
24	WASHINGTON AVE N, STA 19+83	23.4' LT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	13	
25	WASHINGTON AVE N, STA 20+36	23.6' RT	COBRA, 50W LED, 240V (M-III-FC)	6'	27'	FIXED	9	
26	WASHINGTON AVE N, STA 20+59	23.4' LT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	13	
27	WASHINGTON AVE N, STA 21+08	23.6' RT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	9	
28	WASHINGTON AVE N, STA 21+27	23.4' LT	COBRA, 50W LED, 240V (M-III-FC)	6'	27'	FIXED	13	
29	WASHINGTON AVE N, STA 21+80	23.6' RT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	9	
30	WASHINGTON AVE N, STA 22+49	23.4' LT	ACORN, 30W LED, 240V (S-III-NC)	N/A	14'	FIXED	13	
31	WASHINGTON AVE N, STA 22+49	23.6' RT	COBRA, 50W LED, 240V (M-III-FC)	6'	27'	FIXED	9	

#### WIRE NOTES

#	RACEWAY/ CONDUIT SIZE	CONDUCTORS	COMMENTS
1	2"		SPARE
2	2"	2-#8 (ILL), 2-#6 (REC), 2-#8(RRFB)	
3	2"	2-#8 (ILL), 2-#4 (REC)	
4	3"	4-#8(ILL), 4-#4(REC), 2-#8(SCH), 4-#8(RRFB)	
5	4"	8-#8(ILL), 6-#4(REC) 2-#6(REC), 6-#8(RRFB), 2-#8(SCH)	
6	2"	2-#8 (SCH)	
7	2"	2-#8 (RRFB)	
8	2"	2-#8(ILL), 2-#4(REC), 2-#8(SCH)	
9	2"	2-#8(ILL), 2-#4(REC), 2-#8(RRFB)	
10	3"	3-#3/0 (SERVICE)	FEEDER, NO GROUND
11	EX	2-#8 (ILL), 2-#4(REC)	
12	4"		SPARE FOR TELECOM
13	EX	2-#8 (ILL)	REMOVE EX. WIRING
14	2"	2-#8(ILL), 2-#4(REC), 2-#8(SCH), 2-#8(RRFB)	
15	2"	2-#8 (ILL), 2-#6(REC), 4-#8(RRFB)	
16	2"	2-#8 (ILL)	

#### NOTES

- ALL NEW PVC CONDUITS CONTAINING CONDUCTORS SHALL CONTAIN GROUND WIRE (GROUND WIRE NOT SHOWN). WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN #8 AWG OR AS NOTED OTHERWISE IN THE WIRE NOTES). SPARE/EMPTY CONDUIT SHALL CONTAIN DETECTABLE PULL TAPE AND SHALL BE MARKED AS "TOWN OF EATONVILLE" CONDUIT.
- ALL CONDUIT SHALL BE RIGID PVC SCH 80 UNLESS NOTED OTHERWISE ON THE PLANS.

#### SCHOOL ZONE BEACON POLE SCHEDULE

POLE #	STATION	OFFSET	POLE TYPE	FOUNDATION
ⓑ	21+02	22.9' LT	FB	SEE RRFB FOUNDATION DETAIL, SHEET 32

#### GENERAL NOTES

- ALL WORK SHALL BE COMPLETED IN THE ACCORDANCE WITH WSDOT/APWA STANDARD PLANS, STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND THESE PLANS.
- THE LOCATION OF ALL CONDUIT, JUNCTION BOXES, AND LUMINAIRES SHOWN ON THIS PLAN ARE FOR GRAPHIC PRESENTATION. FINAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD.
- FOR CONDUIT LOCATED IN A TRENCH, INSTALL PER CONDUIT TRENCH DETAIL, SHEET 7.
- NUMBER OF CONDUIT BENDS BETWEEN PULL POINTS SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL). IF NUMBER OF BENDS EXCEEDS 360 DEGREES, THE CONTRACTOR SHALL INSTALL ADDITIONAL JUNCTION BOXES, AS REQUIRED.
- ALL NEW FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.
- CONTRACTOR SHALL COORDINATE ALL ELECTRICAL WORK WITH TOWN ELECTRICAL REPRESENTATIVE DAN SHARPE AT 253-278-3905.
- ALL NEW JUNCTION BOXES SHALL BE INSTALLED IN SIDEWALKS AND SHALL HAVE SKID RESISTANT LIDS. JUNCTION BOXES SHALL BE PER WSDOT STD PLANS J-40.10 AND J-40.30. FOR TYPICAL LUMINAIRE POLE/JUNCTION BOX LAYOUT DETAIL, SEE SHEET 32.
- EXISTING OR HIGHER ILLUMINATION LEVELS SHALL BE MAINTAINED BY USING EXISTING OR TEMPORARY ILLUMINATION UNTIL THE NEW SYSTEM IS OPERATIONAL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING 10' CLEARANCE ZONE AROUND EXISTING SECONDARY POWER LINES DURING THE CONSTRUCTION. COORDINATE WORK WITH THE POWER COMPANY.
- CONTRACTOR IS ADVISED THAT NO OPEN TRENCHING WILL BE ALLOWED ACROSS SR161/WASHINGTON AVE.

#### CONSTRUCTION NOTES

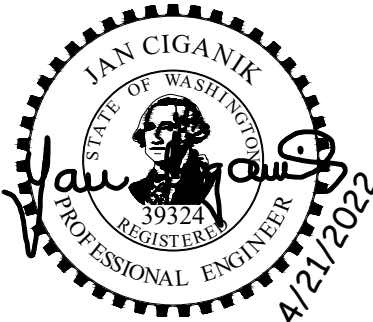
- CONSTRUCT ROADWAY LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL DECORATIVE ROADWAY LUMINAIRE POLE, BASE, ARM, LED LUMINAIRE, BANNER ARMS, FLAG POLE HOLDER AND ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING PER DETAILS, SHEETS 31-32.
- CONSTRUCT PEDESTRIAN LUMINAIRE POLE FOUNDATION AND FURNISH AND INSTALL DECORATIVE PEDESTRIAN LUMINAIRE POLE, BASE, LED LUMINAIRE AND ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING PER DETAILS, SHEETS 31-32.
- EXISTING PRIVATE LUMINAIRE TO REMAIN. PROTECT LUMINAIRE, POLE AND ALL ASSOCIATED CONDUIT/WIRING DURING CONSTRUCTION.
- FOLLOWING ACTIVATION OF FULLY FUNCTIONING NEW ILLUMINATION SYSTEM ON EAST SIDE OF WASHINGTON AVE, REMOVE EXISTING LUMINAIRE POLE, LUMINAIRE, BASE, UNUSED WIRING, JUNCTION BOX AND ALL ASSOCIATED EQUIPMENT. REMOVE UNUSED WIRING TO SERVICE CABINET. GRIND DOWN EXISTING FOUNDATION 2' BELOW PROPOSED GRADE. BACKFILL AND COMPACT VOIDS PER SPECIAL PROVISIONS. CAP AND ABANDON EXISTING EMPTY CONDUIT. SALVAGE TOWN OWNED POLE/LUMINAIRE/EQUIPMENT PER SPECIAL PROVISIONS.
- CONSTRUCT FOUNDATION PER RRFB FOUNDATION DETAIL, SHEET 32 AND SCHOOL ZONE BEACON SCHEDULE, THIS SHEET. FURNISH AND INSTALL FLASHING SCHOOL ZONE BEACON ASSEMBLY INCLUDING SCHOOL ZONE BEACON POLE, CONTROLLER CABINET, 2 LED BEACONS, AND SIGNS PER SCHOOL ZONE BEACON DETAIL, SHEET 32. COMPLETE WIRING PER WIRE NOTES, THIS SHEET. COORDINATE WORK WITH TOWN ELECTRICAL REPRESENTATIVE.
- LOCATION OF EXISTING JUNCTION BOX. INSTALL NEW CONDUIT AND COMPLETE WIRING PER WIRE NOTES, THIS SHEET. ADJUST JUNCTION BOX TO GRADE AS NEEDED.
- LOCATION OF EXISTING JUNCTION BOX. UN-SPLICE EXISTING ILLUMINATION AND RECEPTACLE WIRING FROM LUMINAIRE EX6 AND REMOVE WIRING BETWEEN EXISTING LUMINAIRES EX6 AND EX5.
- EXISTING LUMINAIRES (EX3,EX4,EX5,EX6) SHALL BE DISCONNECTED FROM FROM EXISTING ELECTRICAL SERVICE CABINET AND ADDED TO NEW CIRCUITS PER ONE-LINE DIAGRAM, SHEET 31. REMOVED ALL UNUSED WIRING TO SERVICE CABINET.
- LOCATION OF EXISTING JUNCTION BOX. SPLICE NEW WIRING INTO EXISTING ILLUMINATION AND RECEPTACLE WIRING PER WIRE NOTES, THIS SHEET AND ONE LINE DIAGRAM, SHEET 31.
- REMOVE EXISTING AND INSTALL NEW JUNCTION BOX. INSTALL NEW CONDUIT AND COMPLETE WIRING PER WIRE NOTES, THIS SHEET. PROTECT EXISTING CONDUIT DURING CONSTRUCTION.

#### LEGEND

EXISTING	NEW	DESCRIPTION
		ROADWAY LUMINAIRE (COBRA) AND POLE
		PEDESTRIAN LUMINAIRE (DECORATIVE) AND POLE
		SIGN WITH ELECTRICAL COMPONENTS
		ELECTRICAL SERVICE CABINET
		JUNCTION BOX TYPE 1, 2, 8
		CONDUIT
		WIRE NOTE
		CONSTRUCTION NOTE
		RRFB ASSEMBLY WITH APS PUSH BUTTON

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089ILL.dwg
ENGINEERING MANAGER	DATE	TD 10/2021
PROJECT MANAGER	DATE	TD 10/2021
PROJECT ENGINEER	DATE	JC 10/2021
	DATE	CHECKED BY DATE



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DOCUMENTS



TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

ILLUMINATION PLAN  
STA 18+00 TO STA 23+50

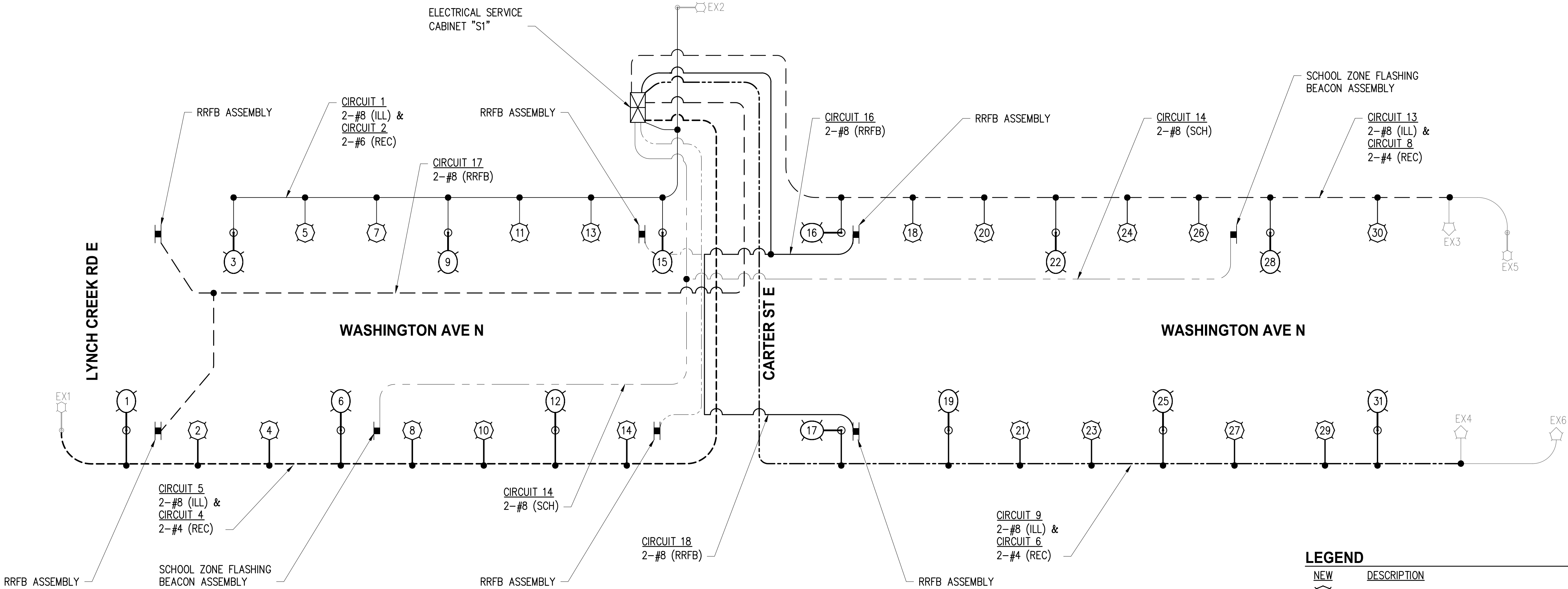
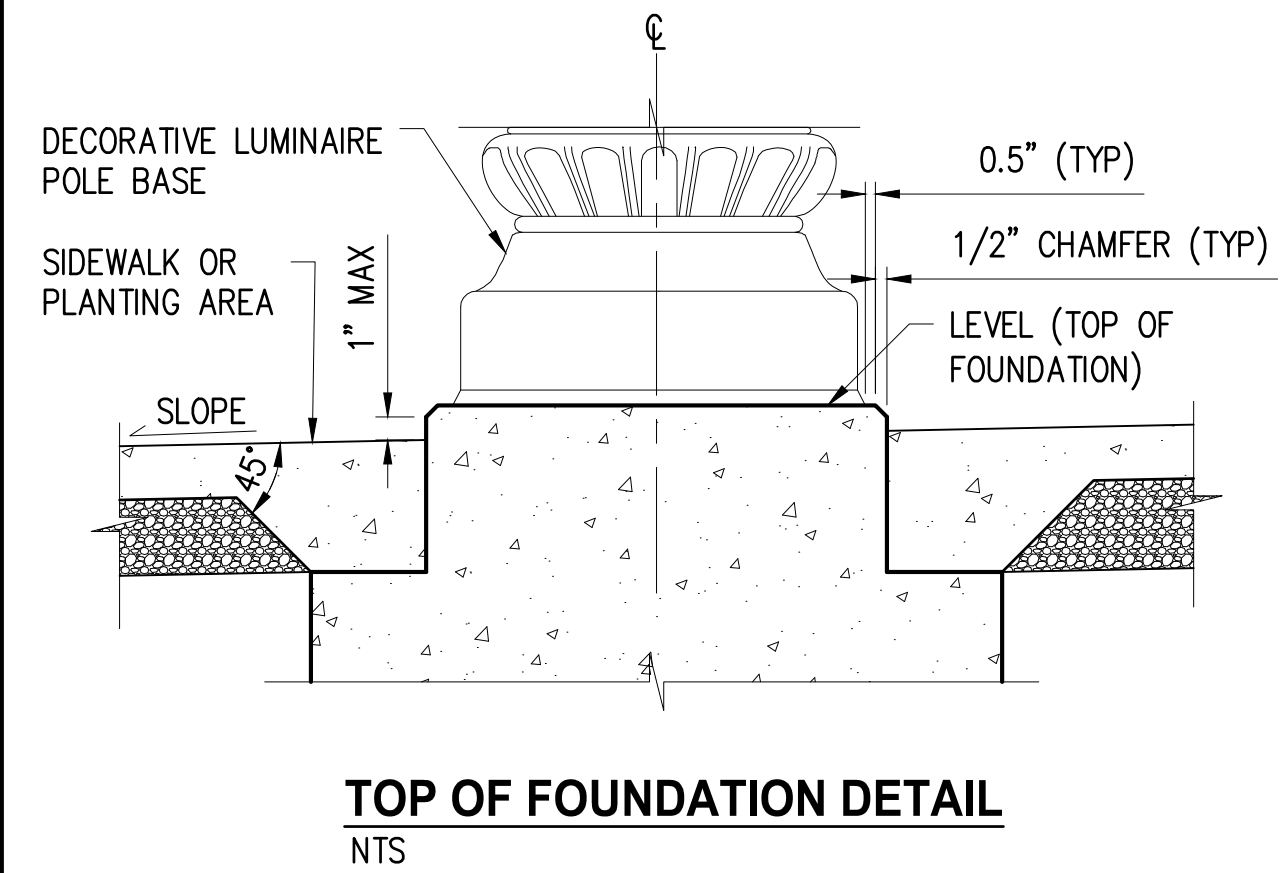
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PANEL SCHEDULE

#	LOCATION: CARTER ST E & WASHINGTON AVE APPROX STA 75+55.7, 28.8' LT SERVING: ILLUMINATION, RECEPTACLES, ETC				VOLTS: 120/240 MAIN BREAKER: 200 AMPS		PHASE: 1 WIRE: 3	
CKT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS		TRIP AMPS	KVA	LOAD DESCRIPTION	CKT NO.
1	STREET LIGHTS (3,5,7,9,11,13,15,36,38,EX2)	0.4	20	1	2	1.5	RECEPTACLES (3,5,7,9,11,13,15,36)	2
5	STREET LIGHTS (1,2,4,6,8,10,12,14,37,EX1)	0.4	20	3	4	1.5	RECEPTACLES (1,2,4,6,8,10,12,14)	4
9	STREET LIGHTS (17,19,21,23,25,27,29,31,33,35,EX4,EX6)	0.5	20	5	6	2.2	RECEPTACLES (17,19,21,23,25,27,29,31,33,35,EX4,EX6)	6
13	STREET LIGHTS (16,18,20,22,24,26,28,30,32,34,EX3,EX5)	0.5	20	7	8	2.2	RECEPTACLES (16,18,20,22,24,26,28,30,32,34,EX3,EX5)	8
17	BLANK			9	10	0.3	CONTROL (PHOTOCELL)	10
19	BLANK			11	12	2.4	GFI RECEPTACLE	12
21	BLANK			13	14	0.5	SCHOOL ZONE FLASHERS	14
23	BLANK			15	16	0.8	RRFB ASSEMBLIES (NORTH CARTER)	16
				17	18	0.8	RRFB ASSEMBLIES (SOUTH CARTER)	18
				19	20	0.8	RRFB ASSEMBLIES (LYNCH CREEK)	20
				21	22		BLANK	22
				23	24		BLANK	24
REMARKS:					CONNECTED LOAD: 14.8 KVA		61.7 AMPS	
					DEMAND LOAD (125%): 18.5 KVA		77.1 AMPS	



LEGEND

NEW	DESCRIPTION
	DECORATIVE PEDESTRIAN LUMINAIRE AND POLE
	DECORATIVE ROADWAY LUMINAIRE AND POLE
	POST MOUNTED SIGN WITH ELECTRICAL COMPONENT
	SPLICE
	ELECTRICAL SERVICE CABINET

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089ILL.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	DRAWN BY
	DATE	CHECKED BY



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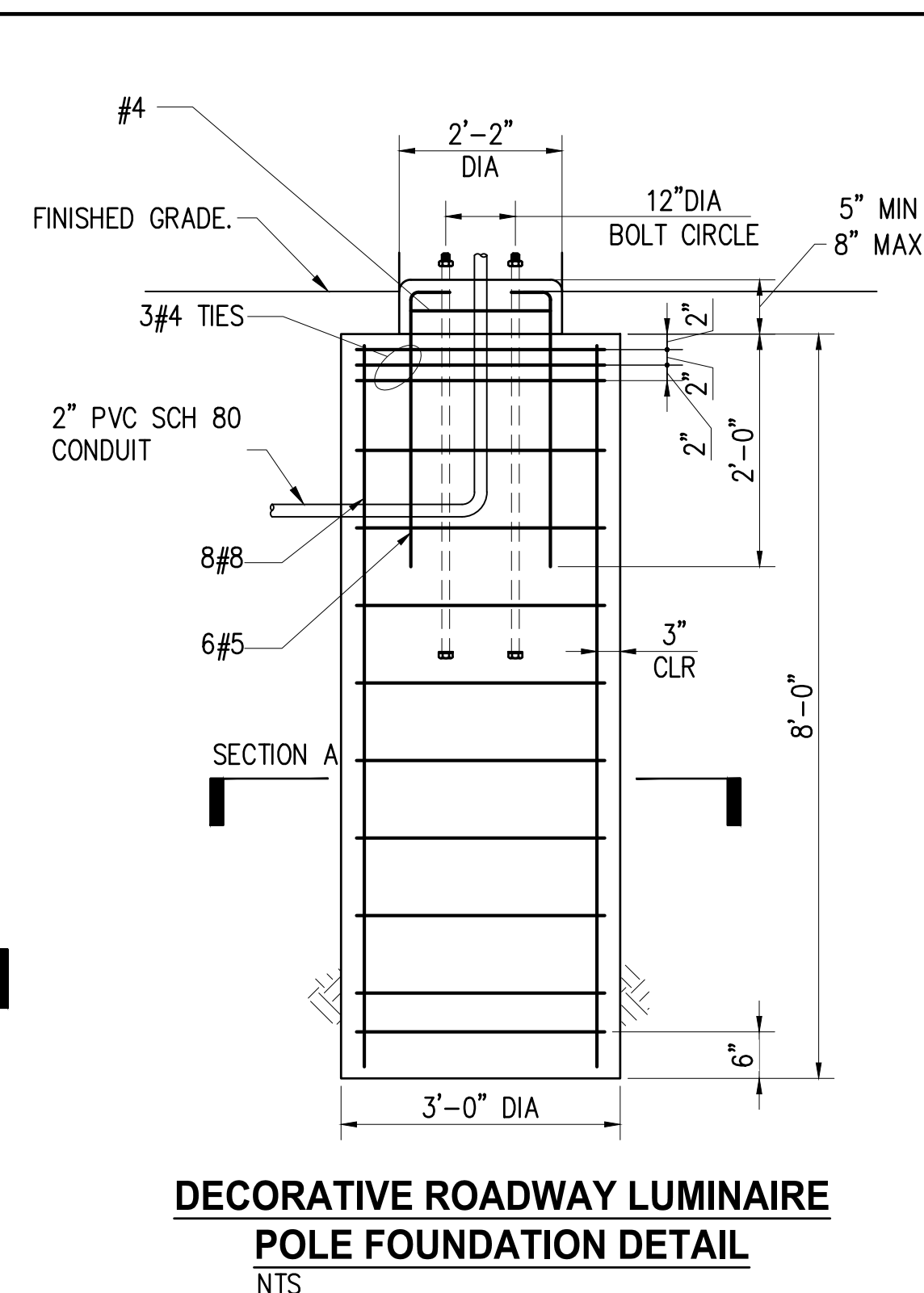
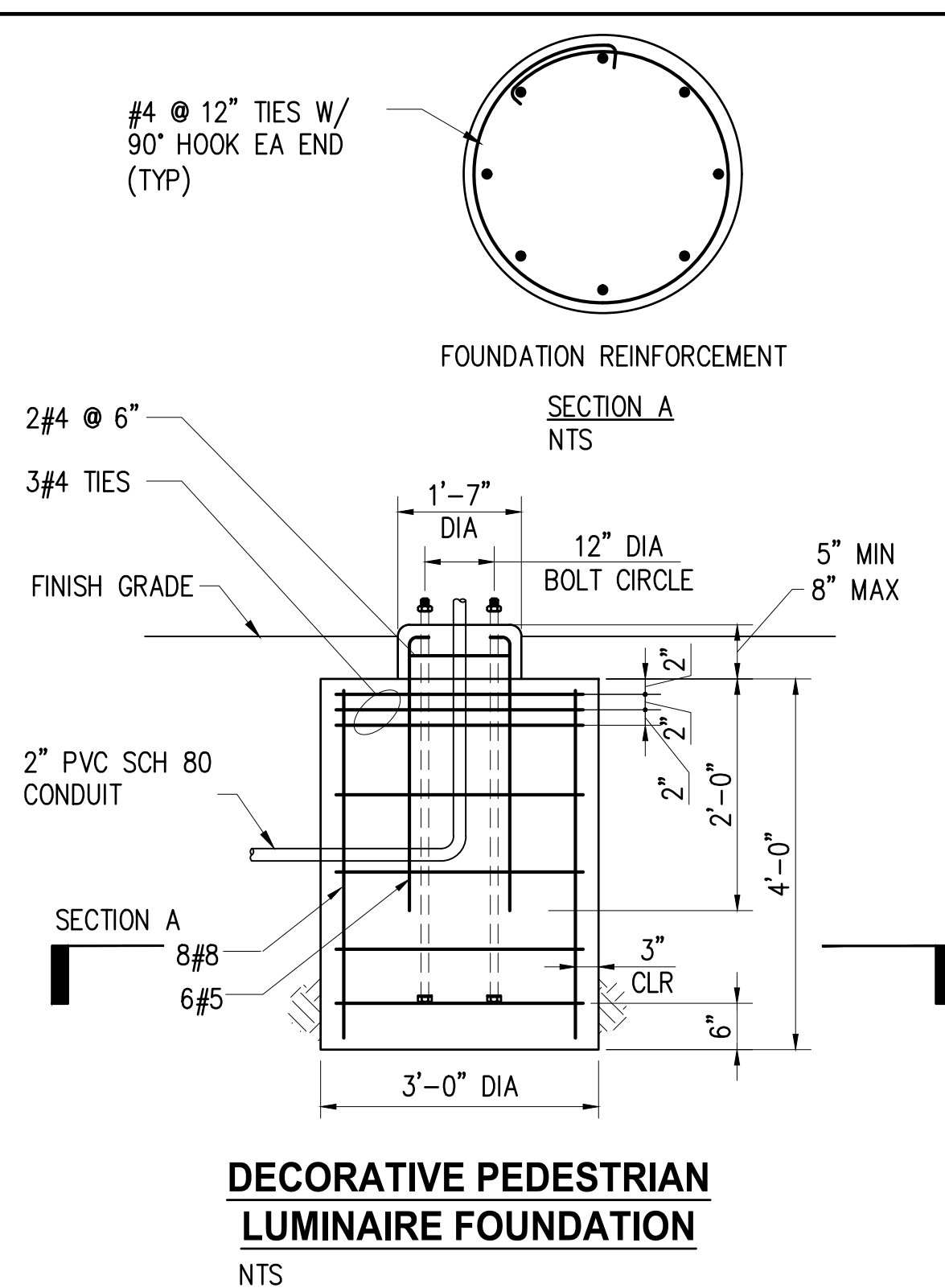
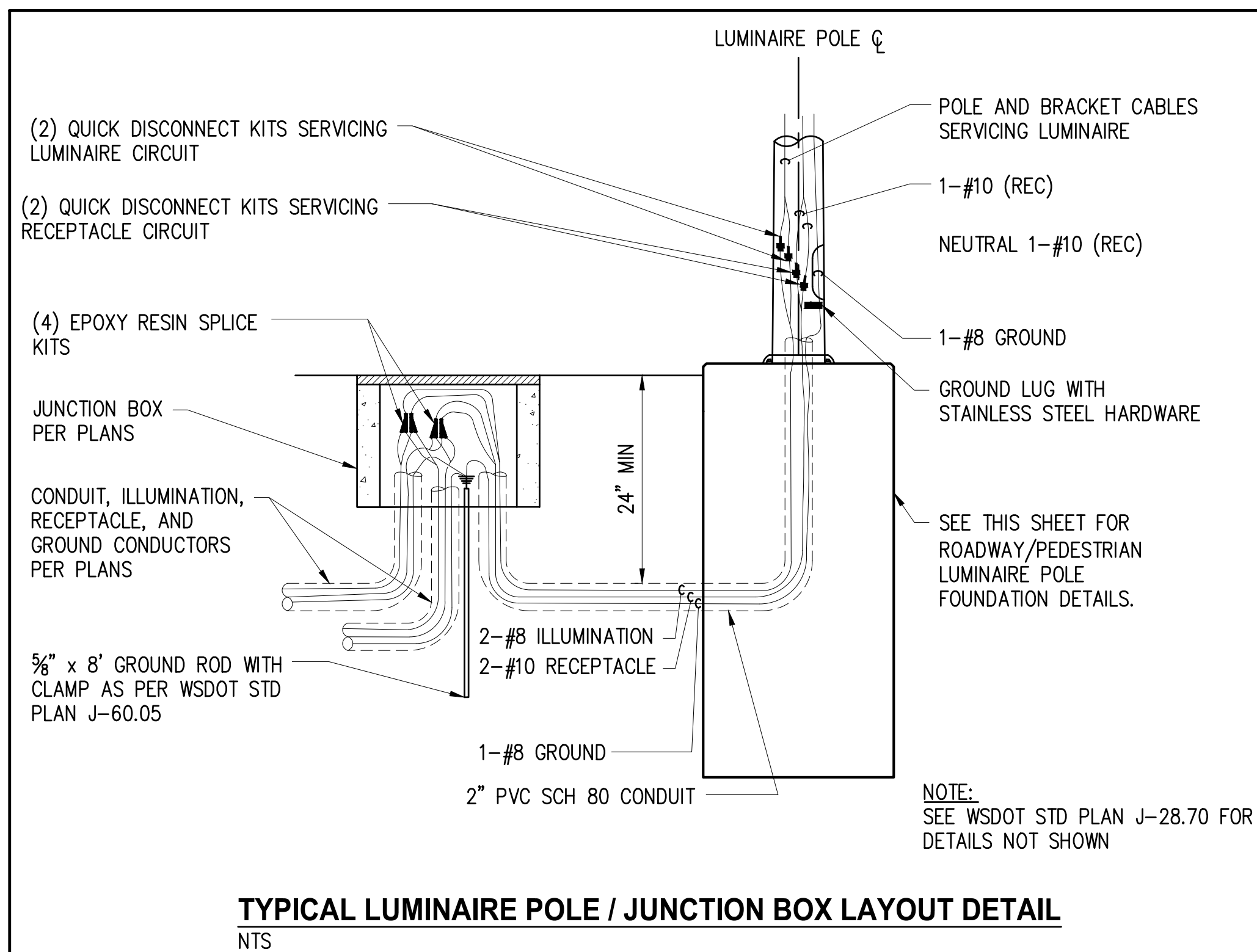


TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

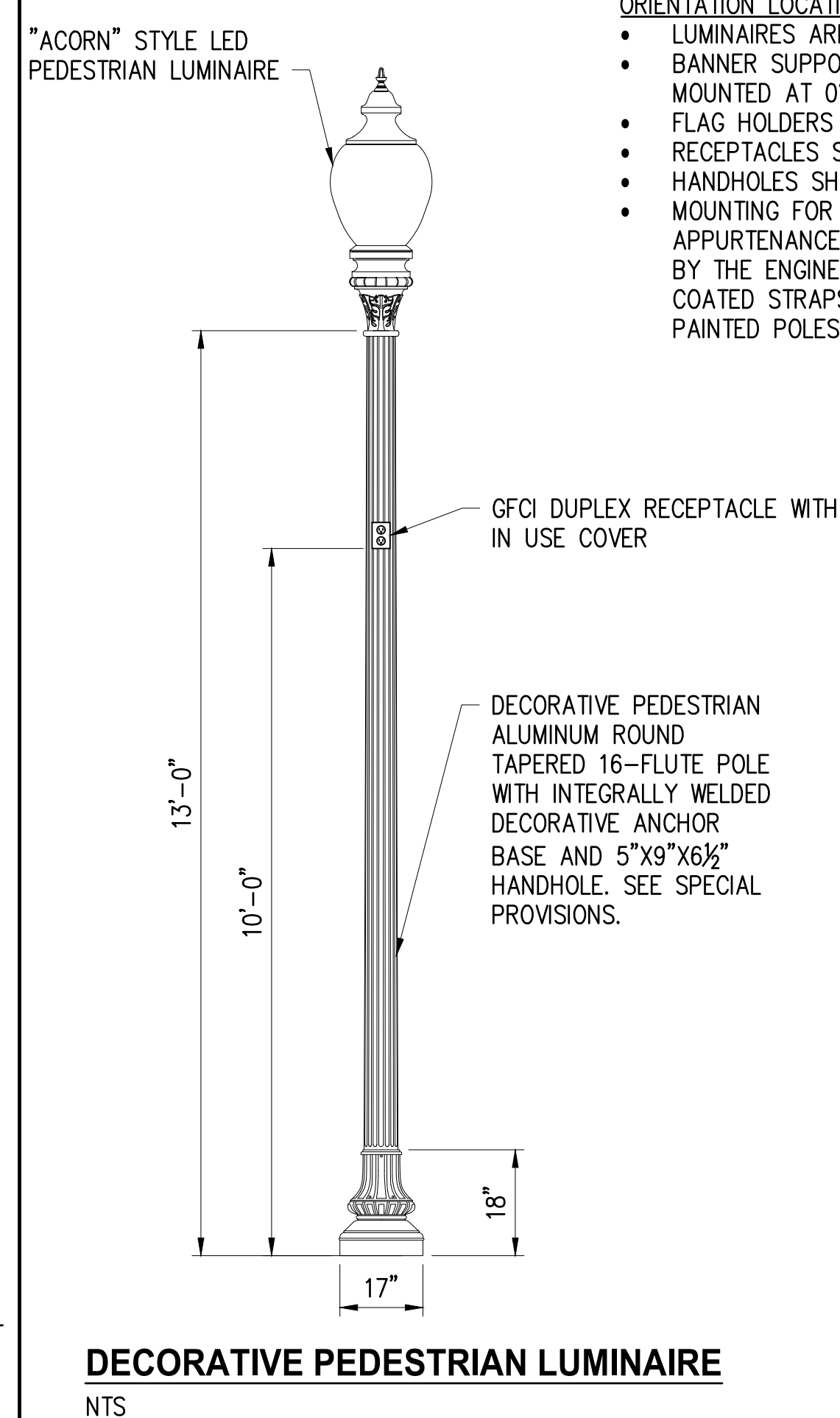
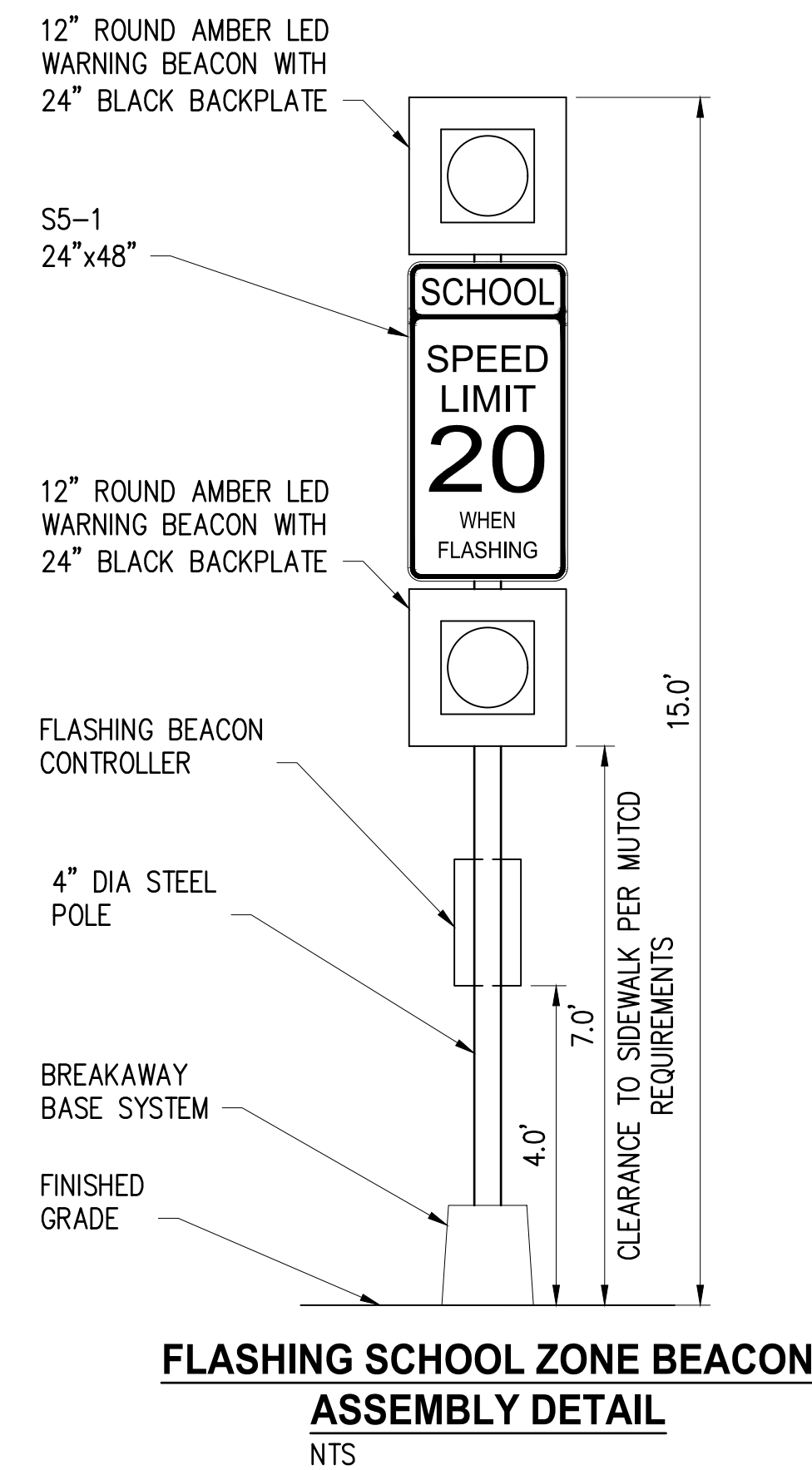
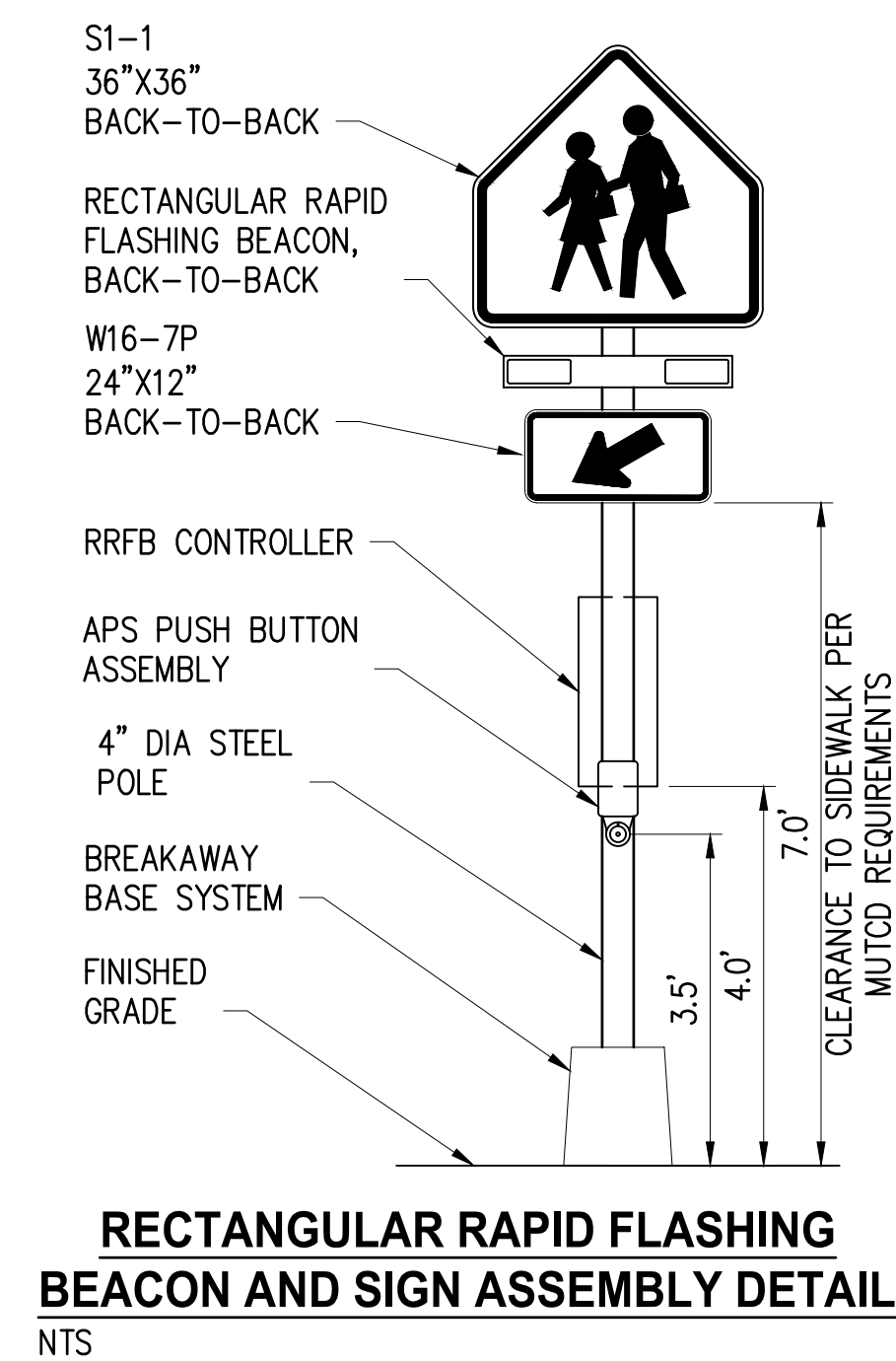
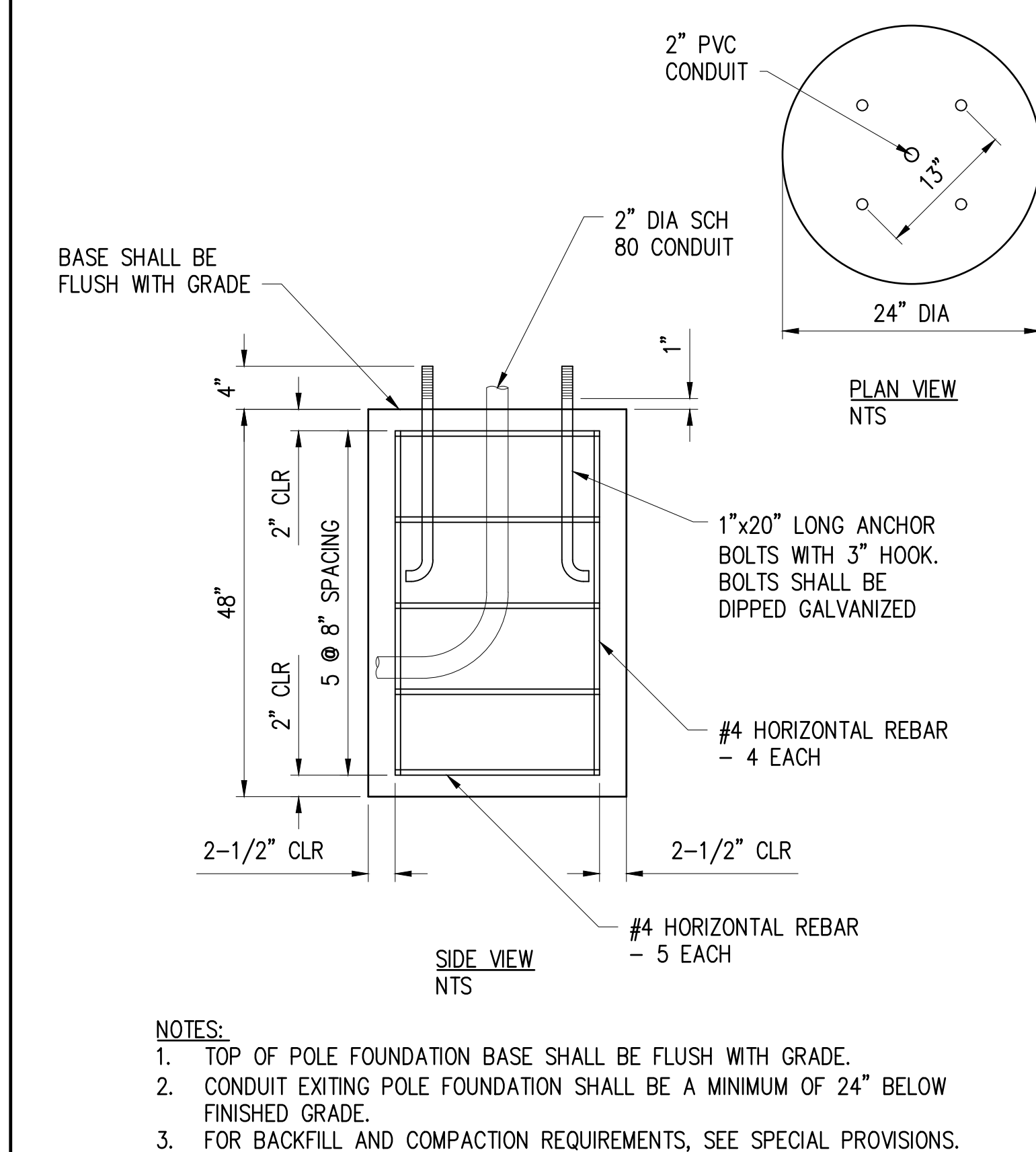
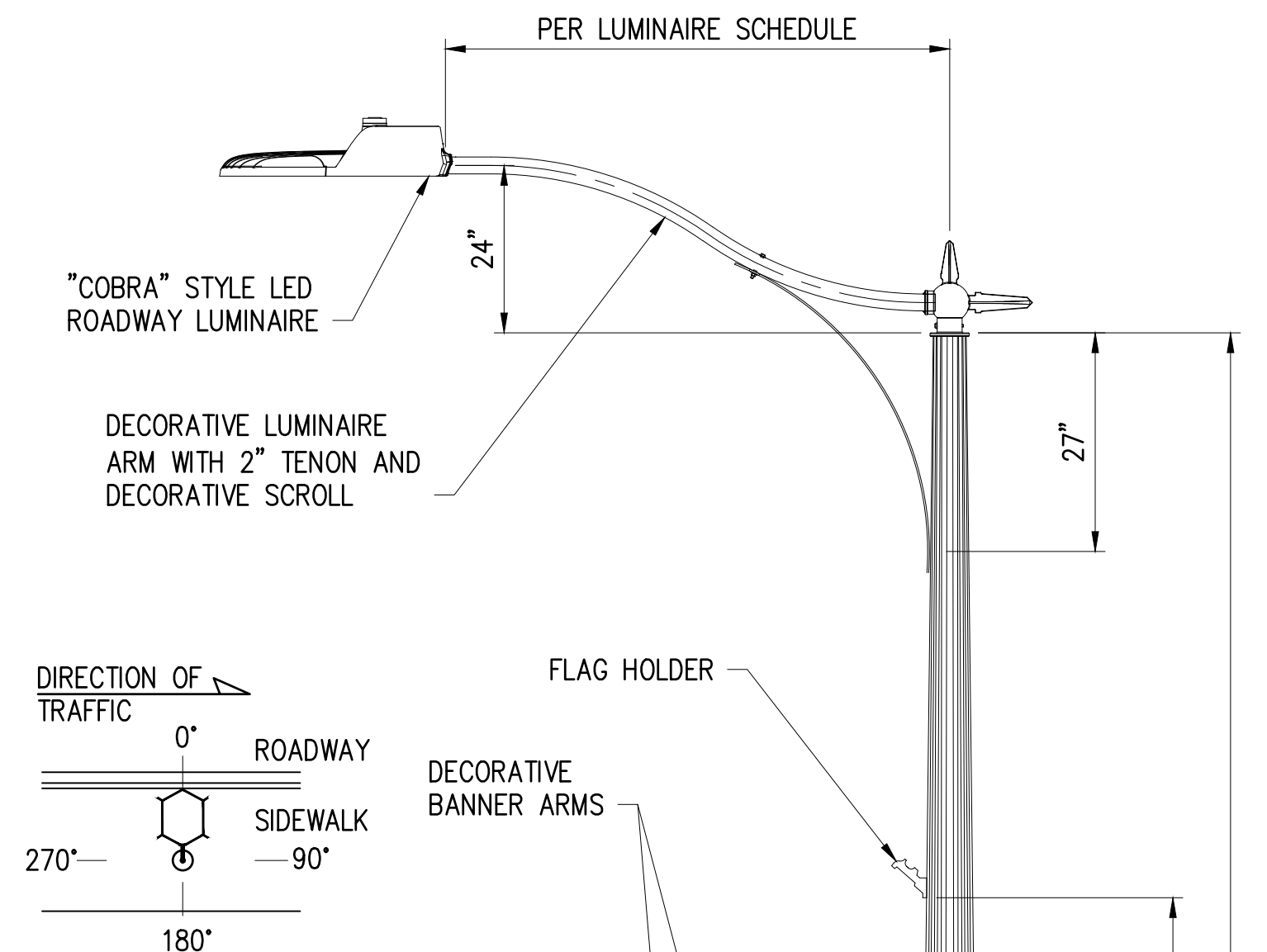
ILLUMINATION CIRCUIT DIAGRAM

KPG PROJECT No. 10089A SHT 31 OF 35



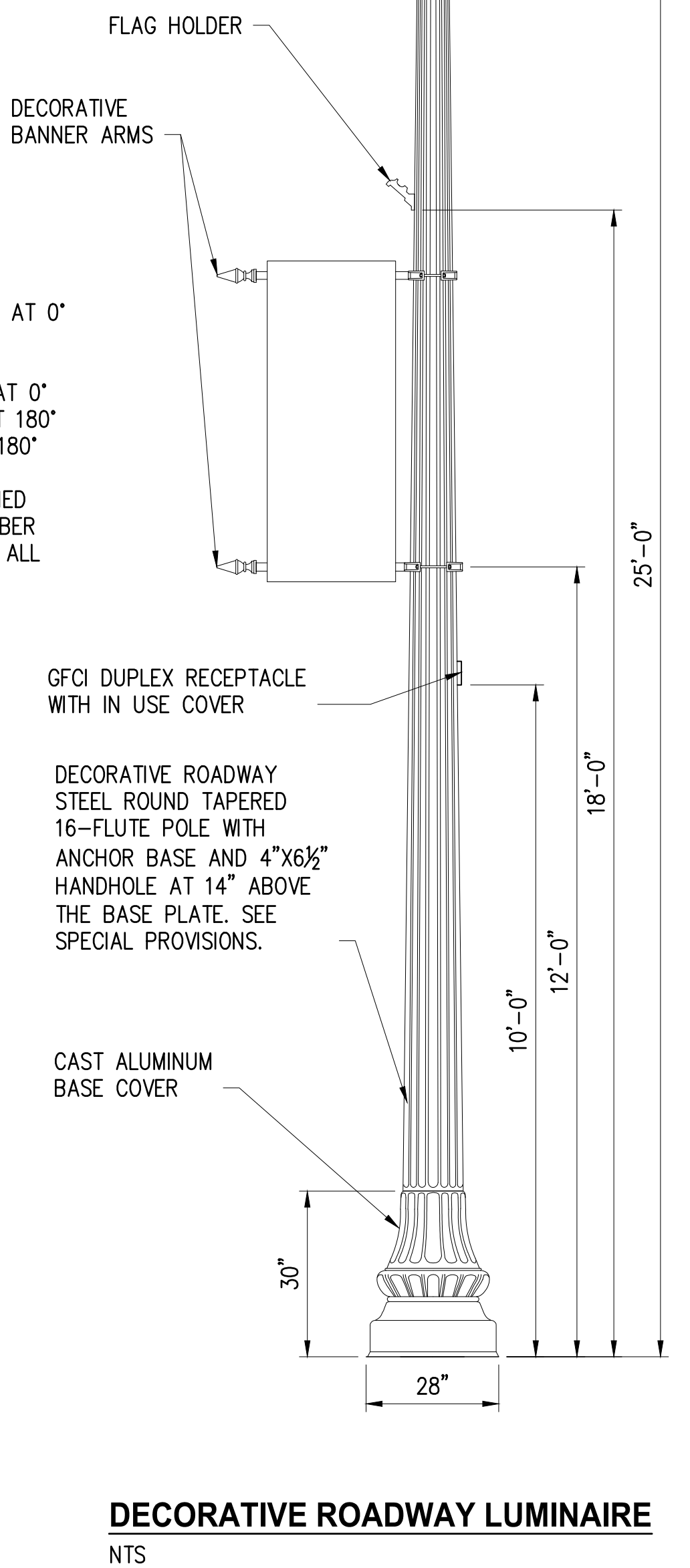


PAIN T SPECIFICATIONS:  
ALL LUMINAIRE AND POLE RELATED PARTS  
SHALL BE FACTORY PRIMED AND POWDER  
COATED  
FINISH COLOR: RAL 9005 "JET BLACK"  
(SEE SPECIAL PROVISIONS SECTION 6-07)



### ORIENTATION LOCATIONS:

- LUMINAIRES ARM SHALL BE MOUNTED AT 0°
- BANNER SUPPORT ARMS SHALL BE MOUNTED AT 0°
- FLAG HOLDERS SHALL BE MOUNTED AT 0°
- RECEPTACLES SHALL BE MOUNTED AT 180°
- HANDHOLES SHALL BE MOUNTED AT 180°
- MOUNTING FOR SIGNS AND OTHER APPURTENANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. RUBBER COATED STRAPS SHALL BE USED ON ALL PAINTED POLES



NO.	DATE	BY	APPR.	REVISIONS	Approved By	10089ILL.dwg
						FILENAME
						TD 10/2021
					ENGINEERING MANAGER	DATE 10/2021
						DESIGNED BY
						TD 10/2021
					PROJECT MANAGER	DATE 10/2021
						DRAWN BY
						JC 10/2021
					PROJECT ENGINEER	DATE 10/2021
						CHECKED BY
						DATE



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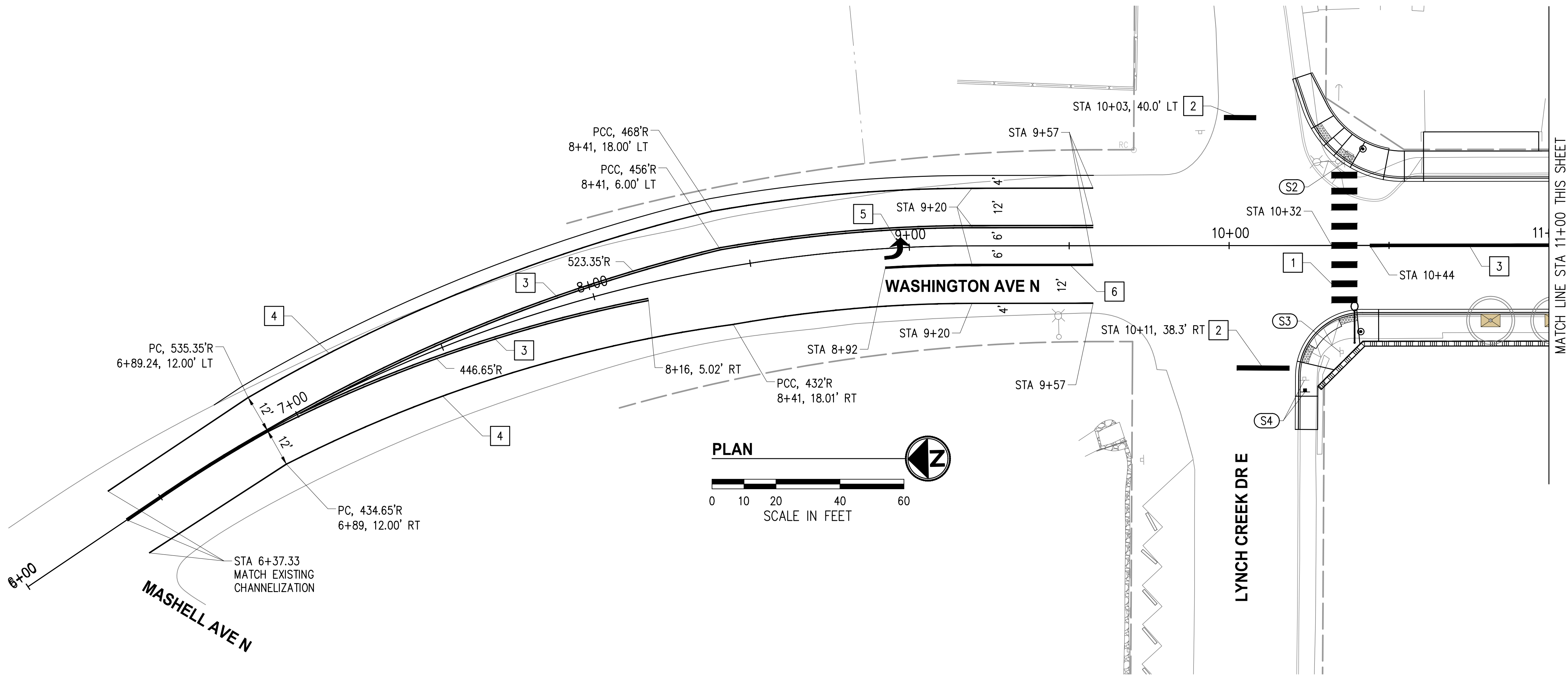


TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

## ILLUMINATION DETAILS



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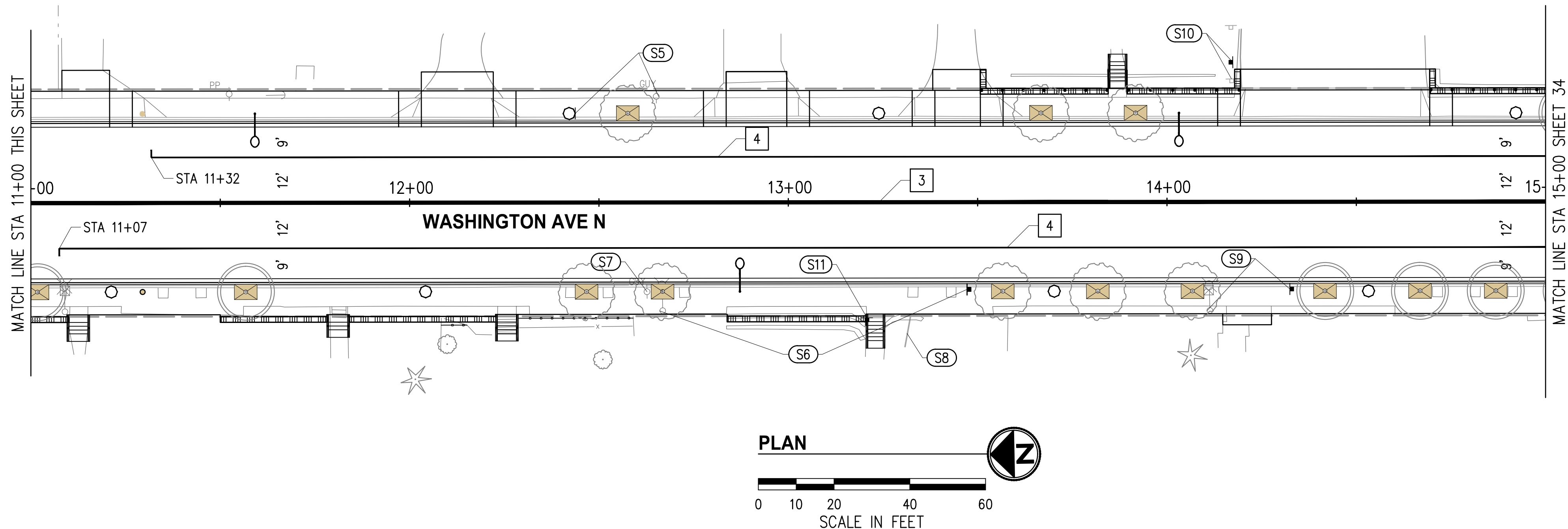


#### GENERAL CHANNELIZATION & SIGNING NOTES

1. THE CONTRACTOR SHALL REMOVE ALL CHANNELIZATION IN CONFLICT WITH PROPOSED CHANNELIZATION.
2. ALL PAVEMENT SYMBOLS TO BE CENTERED IN LANE.
3. PRESERVE AND PROTECT ALL BUSINESS AND PRIVATE SIGNS WHICH ARE NOT CALLED OUT FOR RELOCATION.
4. RELOCATED SIGNS SHALL BE INSTALLED ON NEW GALVANIZED PIPE, PER DETAIL, SHEET 35.
5. ALL PLASTIC PAVEMENT MARKINGS SHALL BE TYPE D MMA.

#### CHANNELIZATION LEGEND

- |   |   |
|---|---|
| 1 | PLASTIC CROSSWALK PER WSDOT STD PLAN M-15.10-01.                  |
| 2 | 18" WIDE PLASTIC STOP LINE.                                       |
| 3 | PLASTIC DOUBLE YELLOW CENTER LINE, PER WSDOT STD PLAN M-20.10-03. |
| 4 | PLASTIC EDGE LINE, WHITE, PER WSDOT STD PLAN M-20.10-03.          |
| 5 | TRAFFIC ARROW, TYPE 2SL, PER WSDOT STD PLAN M-24.40-02.           |
| 6 | PLASTIC WIDE LANE LINE, PER WSDOT STD PLAN M-20.10-03.            |



#### SIGN SCHEDULE

SIGN NO.	STATION	OFFSET	DESIGNATION	REMARKS
S2	10+36.14	25.99' LT	SCHOOL CROSSING & ARROW	REMOVE & SALVAGE
S3	10+34.66	33.35' RT	SCHOOL CROSSING & ARROW	REMOVE & SALVAGE
S4	10+23.69	45.82' RT	STOP & STREET NAMES	RELOCATE
S5	12+43.77	23.52' LT	SPEED LIMIT 25; END SCHOOL ZONE	RELOCATE, ATTACH TO POLE
S6	13+47.19	23.00' RT	SCHOOL CROSSING 20 MPH W/ FLASHING LIGHT	REMOVE, INSTALL NEW*
S7	12+62.67	23.54' RT	DO NOT PASS ON RIGHT	REMOVE
S8	13+31.34	34.60' RT	"COTTAGE BAKERY AND CAFE"	TO REMAIN
S9	14+32.44	23.00' RT	3 HR PARKING & NO PARKING FRIDAYS 4AM-6AM	RELOCATE
S10	14+17.42	36.85' LT	(2) ONE-WAY	RELOCATE
S11	13+20.75	30.49' RT	"HANDICAP PARKING IN BACK OF BUILDING"	RELOCATE, ATTACH TO NEW HANDRAIL

\* SEE ILLUMINATION PLANS FOR ELECTRICAL CONNECTION.

NO.	DATE	BY	APPR.	REVISIONS

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ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	DRAWN BY
		CHECKED BY

8/2021	8/2021	8/2021	8/2021
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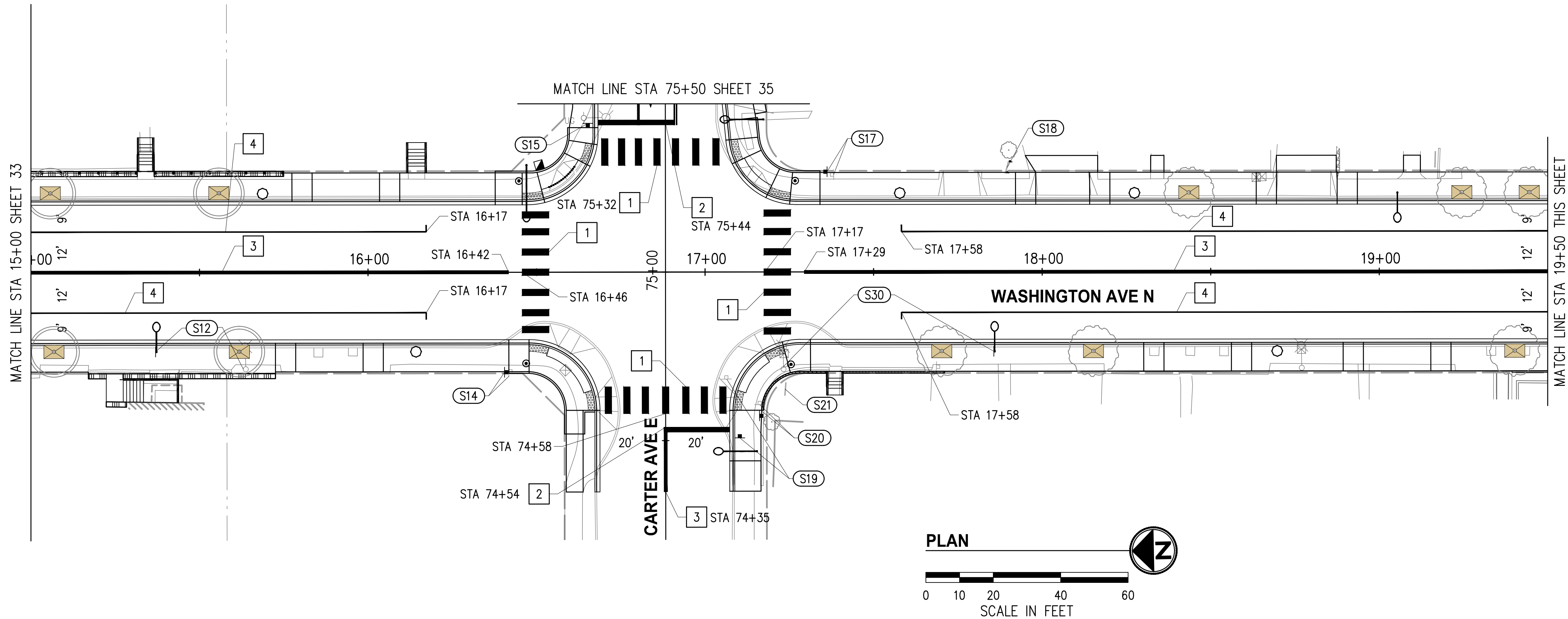
TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

CHANNELIZATION & SIGNING PLAN  
STA 6+00 TO STA 15+00

KPG PROJECT No. 10089A SHT 33 OF 35



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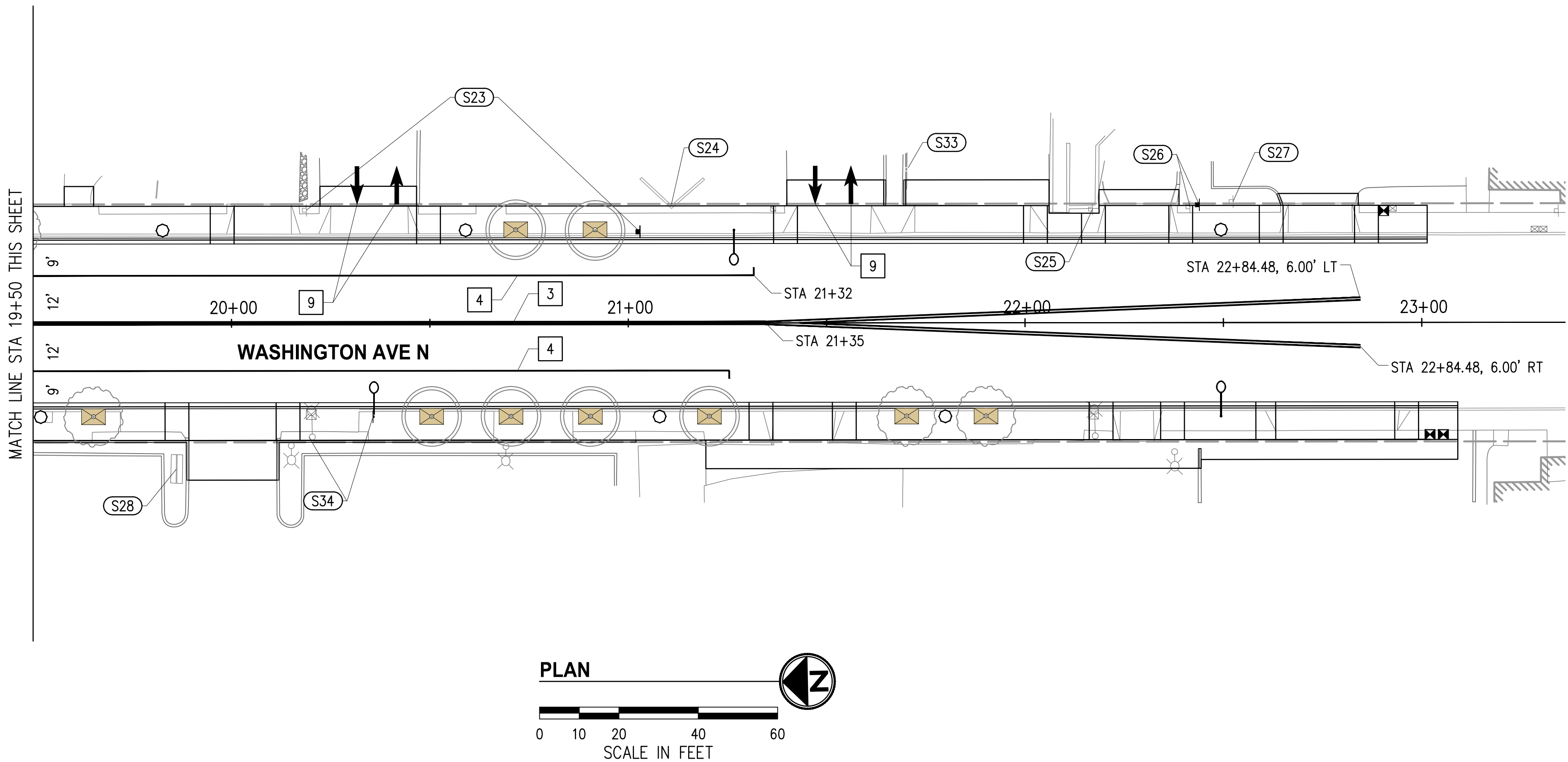


#### GENERAL CHANNELIZATION & SIGNING NOTES

1. SEE SHEET 33 FOR GENERAL CHANNELIZATION & SIGNING NOTES.

#### CHANNELIZATION LEGEND

- 1 PLASTIC CROSSWALK PER WSDOT STD PLAN M-15.10-01.
- 2 18" WIDE PLASTIC STOP LINE.
- 3 PLASTIC DOUBLE YELLOW CENTER LINE, PER WSDOT STD PLAN M-20.10-03.
- 4 PLASTIC EDGE LINE, WHITE, PER WSDOT STD PLAN M-20.10-03.
- 5 TRAFFIC ARROW, TYPE 2SL, PER WSDOT STD PLAN M-24.40-02.
- 6 PLASTIC WIDE LANE LINE, PER WSDOT STD PLAN M-20.10-03.
- 9 TRAFFIC ARROW, TYPE 1S, PER WSDOT STD PLAN M-24.40-02.



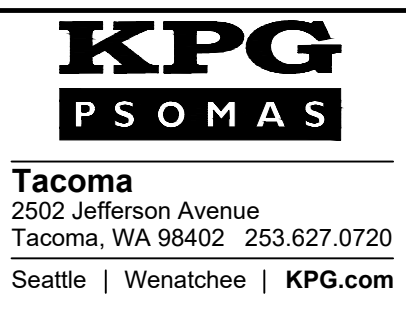
#### SIGN SCHEDULE

SIGN NO.	STATION	OFFSET	DESIGNATION	REMARKS
S12	15+36.96	23.55' RT	3 HR PARKING & NO PARKING FRIDAYS 4AM-6AM	RELOCATE, ATTACH TO POLE
S14	16+40.48	29.67' RT	NO LEFT WHEN XING GUARD PRESENT	RELOCATE
S15	16+65.26	44.14' LT	STOP & STREET NAMES	RELOCATE (SEE SHEET 35)
S17	17+36.21	29.75' LT	NO LEFT WHEN XING GUARD PRESENT	RELOCATE
S18	17+89.69	30.96' LT	PRIVATE BUSINESS SIGN	TO REMAIN
S19	17+10.28	49.21' RT	STOP & STREET NAMES	RELOCATE
S20	17+16.79	41.29' RT	"UNITED METHODIST CHURCH" & "CATHOLIC CHURCH"	RELOCATE
S21	17+23.70	34.70' RT	"MOUNTAIN COMMUNITY COOP"	TO REMAIN
S23	21+02.98	22.98' LT	SCHOOL CROSSING 20 MPH WITH FLASHING LIGHT	REMOVE, INSTALL NEW*
S24	21+10.92	30.00' LT	PRIVATE CONC MONUMENT SIGN	TO REMAIN
S25	22+17.04	28.61' LT	NO STOPPING ON SIDEWALK	TO REMAIN
S26	22+43.97	29.67' LT	NO STOPPING ON SIDEWALK	RELOCATE
S27	22+52.46	30.47' LT	"109 BUSINESSES"	TO REMAIN
S28	19+86.04	36.74' RT	"MULTICARE EATONVILLE CLINIC"	TO REMAIN
S30	17+85.65	23.58' RT	VOLCANO EVACUATION ROUTE	RELOCATE, ATTACH TO POLE
S33	21+70.29	38.66' LT	"ASSOC. PETROLEUM PRODUCTS"	TO REMAIN
S34	20+35.65	23.58' RT	END SCHOOL ZONE, SPEED LIMIT 25	RELOCATE, ATTACH TO POLE

\* SEE ILLUMINATION PLANS FOR ELECTRICAL CONNECTION.

NO.	DATE	BY	APPR.	REVISIONS

Approved By		10089CHAN.dwg
ENGINEERING MANAGER	DATE	FILENAME
PROJECT MANAGER	DATE	DESIGNED BY
PROJECT ENGINEER	DATE	GW
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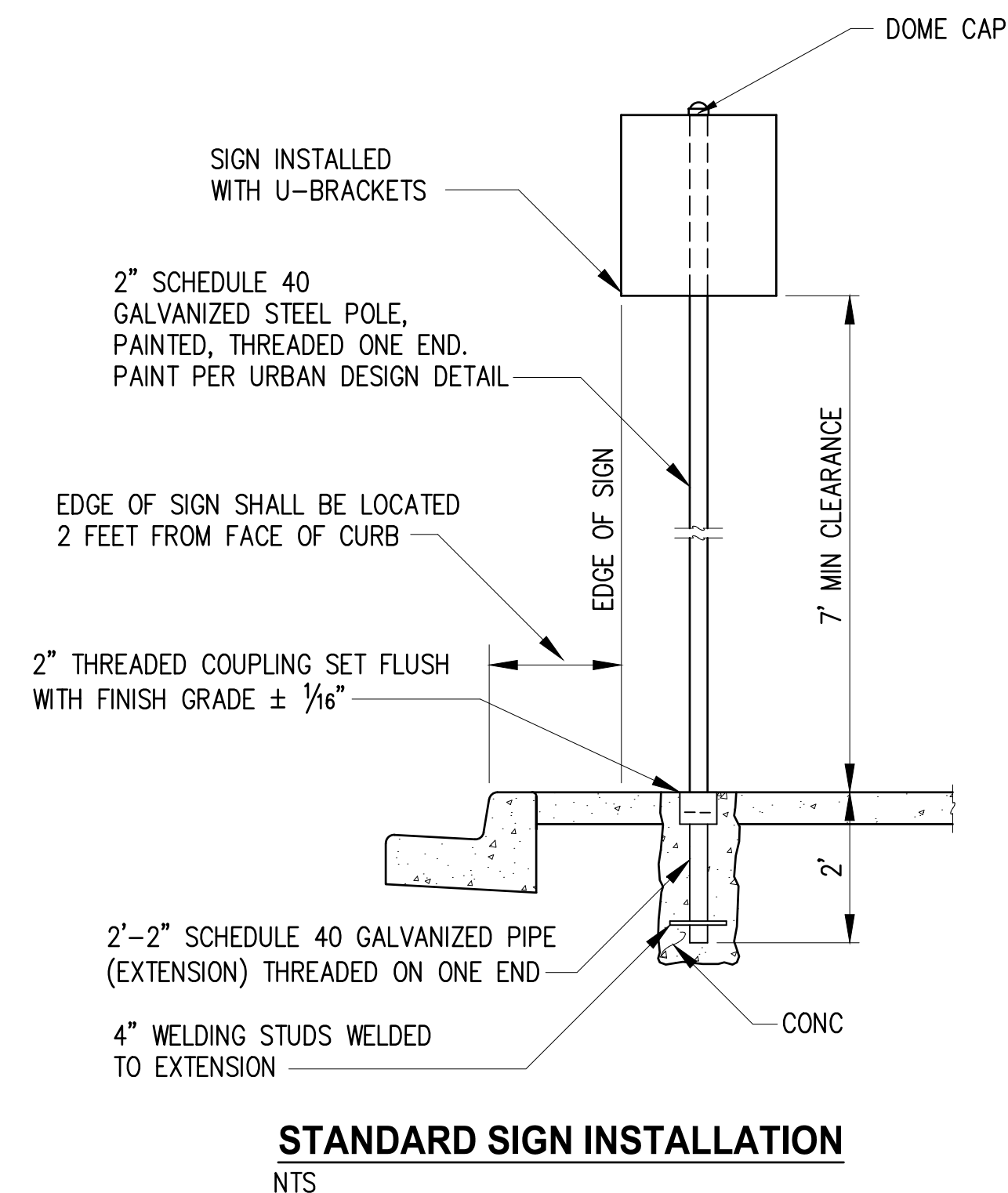
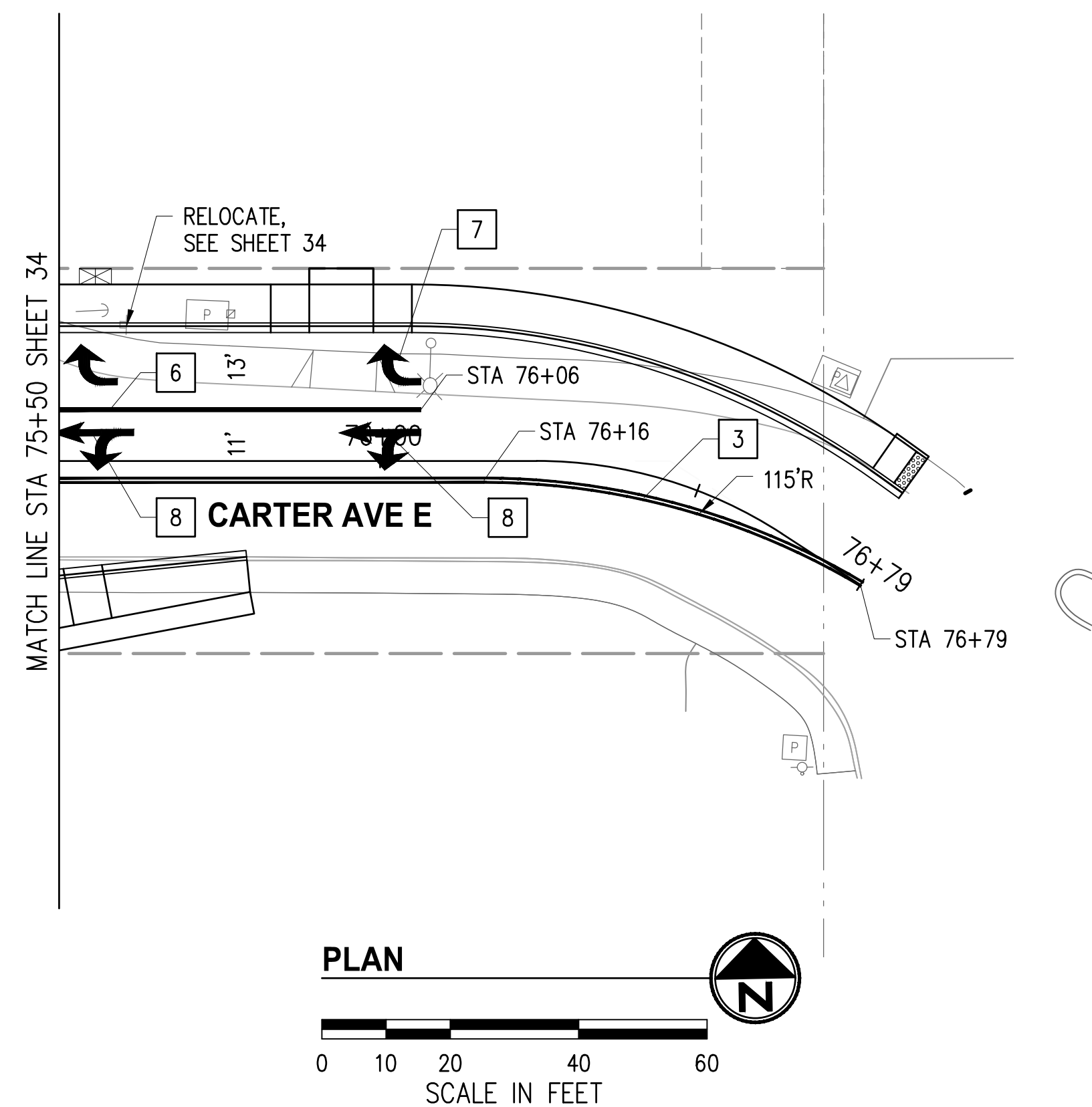


TOWN OF EATONVILLE  
SR 161/WASHINGTON AVE N  
CORRIDOR STREETSCAPE PHASE 2

CHANNELIZATION & SIGNING PLAN  
STA 15+00 TO STA 23+50

KPG PROJECT No. 10089A SHT 34 OF 35





### **GENERAL CHANNELIZATION & SIGNING NOTES**

1. THE CONTRACTOR SHALL REMOVE ALL CHANNELIZATION IN CONFLICT WITH PROPOSED CHANNELIZATION.
2. ALL PAVEMENT SYMBOLS TO BE CENTERED IN LANE.
3. PRESERVE AND PROTECT ALL BUSINESS AND PRIVATE SIGNS WHICH ARE NOT CALLED OUT FOR RELOCATION.
4. RELOCATED SIGNS SHALL BE INSTALLED ON NEW GALVANIZED PIPE, PER DETAIL, SHEET 35.
5. ALL PLASTIC PAVEMENT MARKINGS SHALL BE TYPE D MMA.

### CHANNELIZATION LEGEND

- |   |   |
|---|---|
| 3 | PLASTIC DOUBLE YELLOW CENTER LINE, PER WSDOT STD PLAN M-20.10-03. |
| 6 | PLASTIC WIDE LANE LINE, PER WSDOT STD PLAN M-20.10-03.            |
| 7 | TRAFFIC ARROW, TYPE 2SR, PER WSDOT STD PLAN M-24.40-02.           |
| 8 | TRAFFIC ARROW, TYPE 3SL, PER WSDOT STD PLAN M-24.40-02.           |

NO.	DATE	BY	APPR.	REVISIONS	Approved By	10089CHAN.dwg
						FILENAME
					ENGINEERING MANAGER	DATE 8/2021
					PROJECT MANAGER	DATE 8/2021
					PROJECT ENGINEER	DATE 8/2021
						OBP
						CHECKED BY
						DATE



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TOWN OF EATONVILLE  
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CORRIDOR STREETSCAPE PHASE 2

## CHANNELIZATION & SIGNING PLAN

STA 75+50 TO STA 77+00

KPG PROJECT No. 10089A	SHT <u>35</u> OF <u>35</u>
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