



White Salmon City Council Meeting

A G E N D A

March 15, 2023 – 6:00 PM

119 NE Church

Meeting ID: 889 8835 5675 Passcode: 265468

Call in Numbers:

669-900-6833

929-205-6099

301-715-8592

346-248-7799

253-215-8782

312-626-6799

I. Call to Order, Presentation of the Flag and Roll Call

II. Changes to the Agenda

III. Public Comment

Any public in attendance at the meeting (either in person or via Zoom) will be provided an opportunity to make public comment of a general nature in the time allotted. No registration is required. Each person will be allowed three minutes for comment.

IV. Consent Agenda

- [A.](#) Approval of Updated Construction Standards Chapter 5 Standard Specifications
- [B.](#) Approval of Bid - Garfield Paving Project - Pioneer Surveying
- [C.](#) Approval of Contract - Additional E/V Charging Station - Opt Connect (\$9,059.92)
- [D.](#) Approval of Host City Contract for E/V Station - Forth Grant
- [E.](#) Climate Action Plan - Approval of Proposed Scope of Work (\$0)
- [F.](#) Contract Amendment No 1- Anderson Perry Associates - Manhole Improvement Project (\$97,620)
- [G.](#) Personal Services Contract - Legal Services - Shawn MacPherson
- [H.](#) Personal Services Contract - Zaya LLC (\$8,000)
- [I.](#) Approval of Meeting Minutes - March 1, 2023
- [J.](#) Approval of Vouchers

V. Presentations

- A. Women's History Month

VI. Business Items

- [A.](#) Ordinance 2023-03-1132 Adopting WSMC 10.01 Definitions and Amending WSMC 10.24 Motor Scooters
 - 1. Presentation and Discussion
 - 2. Action
- [B.](#) Ordinance 2023-03-1133 Amending WSMC 10.08 Speed Limits
 - 1. Presentation and Discussion
 - 2. Action
- [C.](#) Ordinance 2023-03-1134 Amending WSMC 10.16 Turning Restrictions
 - 1. Presentation and Discussion
 - 2. Action
- [D.](#) Ordinance 2023-03-1135 Repealing WSMC 10.32 Bicycles and Toy Vehicles
 - 1. Presentation and Discussion
 - 2. Action
- [E.](#) Ordinance 2023-03-1136 Adopting WSMC for Repealed or Recodified State RCW
 - 1. Presentation and Discussion
 - 2. Action
- [F.](#) Ordinance 2023-03-1137 Repealing WSMC 9.12 Alcoholic Beverages
 - 1. Presentation and Discussion
 - 2. Action

VII. Reports and Communications

- [A.](#) Department Head
- B. Council Member
- C. Mayor

VIII. Executive Session (if needed)

IX. Adjournment

File Attachments for Item:

A. Approval of Updated Construction Standards Chapter 5 Standard Specifications



Department Head: JC
Clerk/Treasurer: AD SMP
City Administrator: T.L.
Mayor: JK

COUNCIL REPORT



Business Item



Consent Agenda

Needs Legal Review:

Meeting Date:

Agenda Item:

Presented By:

No, unnecessary

March 15, 2023

Construction Standards

Andrew Dirks, PW Foreman

Action Required:

Adopt updated Construction Standards.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to adopt the updated Construction Standards as presented.

Explanation of Issue:

The Development Construction Standards have been updated and revised to include the following:

- Specific parts that Public Works is familiar with and keeps in inventory in case of replacement or repairs.
- Specific best practices
- Requirements for streets and sidewalks that was not included before.

With the amount of development currently taking place in the city, and the water system, these standards need to be adopted so that City staff may require proper infrastructure during development and the Public Works staff has a quality finished product to own and operate.

Along with the update of these standards will be procedure changes for implementation. For example, there is now a Development Team. This allows for open communication between Public Works, City Hall, and the Developer throughout the entire process, thus minimizing the installation of improper infrastructure and previous communication frustrations on the side of developers.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.
4. Other action as desired by council.

Fiscal Analysis:

There are no Financial Implications

Recommendation of Staff/Committee:

Staff recommends adopting the updated Construction Standards as presented.

Follow Up Action:

If adopted, these standards will be implemented into practice immediately.

IV

STANDARD SPECIFICATIONS

TABLE OF CONTENT

Section 1 – Excavation and Back Fill of Trenches

Section 2 – Water Lines

Section 3 – Sanitary Sewer Lines

Section 4 – Storm Drainage System

Section 5 – Concrete Curb and Gutter, Sidewalk, and Driveway Transitions

Section 6 – Surface Restoration

Section 7 – Road Work

SECTION 1

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PART 1 - GENERAL

1.1 Summary

These specifications cover the excavation and backfill of trenches for the installation of storm sewer, sanitary sewer, water lines, service lines, pressure sewer lines, and other underground utilities. This work must also conform to the City of White Salmon Standard Plans and the General Requirements.

PART 2 - MATERIALS

2.1 Bedding and Select Backfill

Bedding and select backfill shall be crushed surfacing top course per WSDOT Standard Specification 9-03.9(3) or native sand when approved by the City and shall conform to the Standard Specifications for Road, Bridge, and Municipal Construction - current edition, Washington State Department of Transportation.

2.2 General Backfill

- A. General backfill will consist of material excavated from the trench, or material imported by the Contractor. General backfill material shall be free of vegetative matter, boulders (4-inch plus), frozen material and any other unsuitable material, and shall have a moisture content that will allow for the required compaction of the general backfill material unless approved otherwise by the City. Use of backfill material containing consolidated masses 4-inch in diameter or greater is prohibited.
- B. When necessary, the Contractor shall selectively separate suitable general backfill material from unsuitable general backfill material.

PART 3 - EXECUTION

3.1 Clearing and Grubbing

- A. Contractor shall do all clearing and grubbing and removal of structures, etc. necessary to permit proper installation of the pipeline and to eliminate the possibility of stumps, logs, brush, or rubbish being mixed with the backfill material. A sufficient amount of all stumps and stump roots shall be removed so that any future removal of any remaining parts of the stumps and/or roots will not damage the pipeline. All stumps, roots, logs, brush, and rubbish shall be removed and disposed of in conformance with the requirements of local authorities controlling air pollution, and solid waste disposal.
- B. Should the area in which construction takes place be served by rural mail carrier service, the Contractor shall cooperate with the mail service and re-install, in a convenient location, any rural mail boxes which will have to be removed or be blocked by construction operations. As soon as the work is completed, all mail boxes removed shall be replaced undamaged in their original location.

- C. As soon as the work is completed, all signs, guardrails, utility poles, fences, etc., which were moved for the construction operation shall be replaced undamaged in their original location. Damaged items shall be replaced by the Contractor with new items of equal quality.

3.2 Cutting of Asphalt Pavement and Concrete Sidewalks, Curbs and Driveways

- A. Where the excavation is made in a paved street, the asphalt surface shall be cut on each side of the trench prior to excavation, to provide a vertical joint in the surface. Cutting of the asphalt will be made with a saw designed for the cutting of asphalt.
- B. Prior to excavating across a concrete structure such as a curb, sidewalk, or driveway, the Contractor shall saw cut and remove a section of the structure in order to provide for his excavation. The dimensions of the removed section shall be such that the Contractor's excavation will not result in undermining of the remaining structure.
- C. The Contractor shall cut the concrete structure with a diamond saw or other equipment designed for that purpose such that a neat, straight, vertical edge is left on the remaining concrete structure. The Contractor shall similarly cut and remove any such concrete structure undermined or damaged by his construction work.
- D. Following proper backfill and compaction of his excavation, as specified herein, the Contractor shall repair streets, replace the curbs, sidewalks, or driveways in conformance with surface restoration, equal to the condition prior to removal.

3.3 Trench Excavation

- A. When solid rock is encountered in trench excavation, the City shall be notified immediately.
- B. Trench Width
 - 1. The maximum trench width in the pipe zone shall be 2 feet plus the O.D. of the pipe and the minimum trench width in the pipe zone shall be 1 foot plus the O.D. of the pipe. This width shall be maintained to the top of the pipe.
 - 2. The maximum clear width above the top of the pipe will not be limited except in cases where excess width of excavation would cause damage to adjacent structures or utilities.
- C. Exploratory Work

Contractor shall perform appropriate exploratory work to locate utilities when they are known to exist but the specific location is unknown or not marked accurately. Appropriate exploratory work shall be performed in these situations.

3.4 Shoring, Sheet piling, and Bracing of Trenches

- A. The Contractor shall adequately sheet and brace the trench during excavation whenever necessary to satisfy trench safety standards, prevent cave-ins, or to protect adjacent structures or property. Where sheet piling and bracing are used, the Contractor shall increase trench widths for the bracing material accordingly.
- B. The sheet piling must be kept in place until the pipe has been placed, backfilled at the pipe zone, tested for defects, and repaired if necessary. All sheet piling, shoring, and bracing of trenches shall conform to the requirements of the public agency having jurisdiction.

3.5 Dewatering Excavated Areas

- A. All groundwater, seepage, or stormwater that may occur or accumulate in the excavation during the progress of the work shall be removed. In areas where the nature of soil and hydrostatic pressures are of such a character as to develop a quick condition in the earth mass of the trench, the dewatering operation shall be conducted so that the hydrostatic pressure will be reduced to or near zero in the immediate vicinity of the trench.
- B. All excavations shall be kept free of water during the construction or until otherwise requested by the City.
- C. The Contractor shall dispose of all waste and water removed from the trench. Disposal shall be in accordance with all state and local regulations.

3.6 Location of Excavated Materials

- A. During trench excavation, the excavated material shall be located within the construction easement or right-of-way so that the excavated material will not obstruct any private or public traveled roadways or streets, or cause undue damage to the streets.
- B. Contractor shall provide means of containing overly saturated soils, i.e., muck, or remove the muck from the work area as it is excavated, if such soils are encountered in the excavation. The intent is to prevent excessive damage or disruption to street rights-of-way or easement beyond what would normally occur during such work. Pile and maintain material from trenches so that the toe of the slope of the material excavated is at least two feet from the edge of the trench. It shall be the Contractor's responsibility, however, to determine the safe loading of all trenches.

3.7 Disposal of Excavated Materials

Contractor shall dispose of all excavated material, which is not required for, or is unsuitable for, backfill. The Contractor's method of disposal shall comply with regulations of the governing body having jurisdiction.

3.8 Trench Backfill

- A. All backfill material shall be placed into the trench so that free fall of the materials into the trench is prevented until at least two feet of cover is provided over the pipe. Under no circumstances shall sharp or heavy pieces of material be allowed to drop directly onto the pipe. Methods of backfilling, other than as specified herein, shall be used only upon the approval of the City.
- B. Bedding and Select Backfill
 - 1. A minimum 4-inch depth of bedding shall be placed on the trench bottom, compacted to 90 percent of the maximum density as determined by ASTM D1557 or WSDOT Test Method 606, as applicable, and smoothed to provide uniform bedding so the pipe is supported along its full length and not by the bells. Bell holes at each joint shall be provided to ensure support along the entire pipe length.
 - 2. It shall be understood that the 4-inch depth is a minimum depth only, not an average depth and does not preclude the Contractor at his option from placing additional depth of bedding to facilitate his work. Once the pipe is properly installed, the bedding material shall be brought up to the spring line of the pipe in 4-inch lifts and compacted to 85 percent density. Care shall be used to ensure that the bedding material is properly worked under the haunch of the pipe for its full length and that compaction does not result in damage to the pipe
 - 3. Select backfill shall then be brought up in 4-inch lifts to a minimum 6 inches above the top of the pipe, leveled and compacted to 85 percent of ASTM D1557 or WSDOT Test Method 606, as applicable, density. Compaction of the bedding and select backfill by hand tamping will be allowed if the 85 percent density is achieved; otherwise, mechanical tamping will be required.
- C. General backfill shall be placed in horizontal lifts not to exceed 12 inches in depth and compacted to 90 percent of the laboratory density as determined by ASTM D1557 or WSDOT Test Method 606, as applicable. The method of compaction shall be selected by the Contractor.

3.9 Execution of Dust and Mud Control

If the Contractor fails to properly control the dust and mud, the City may request him to do so in writing. If, after 24 hours from this request, the Contractor has not corrected the dust or mud problem, the City may elect to have the corrective work performed and charge the Contractor for the cost of this work.

3.10 Restoration, Finishing, and Cleanup

- A. The Contractor shall restore or replace all paved surfaces, graveled surfaces, curbing, sidewalks, trees and shrubbery, lawns, pastures and fences, or other existing facilities disturbed by his work unless otherwise specified. Restoration and cleanup shall be a continuing operation and shall be diligently pursued until completed.

- B. All surplus material and temporary structures as well as excess excavation shall be removed by the Contractor and the entire site of Contractor operations shall be left in a neat and clean condition.
- C. Surface restoration shall be performed in accordance with Standard Specification 6, Surface Restoration. All other existing facilities shall be replaced or restored equal to their original condition.

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PART 1 - GENERAL

1.1 Scope

- A. These specifications cover the furnishing and installation of potable water lines, valves, fittings, and related appurtenances. This work includes, unless otherwise specified, furnishing all labor, materials, tools, equipment, and incidentals required to construct a complete water line ready for service as outlined on the City of White Salmon Standard Plans, the General Requirements, and in these Standard Specifications.
- B. Requirements for excavation and backfill of trenches, surface restoration, traffic control, and special appurtenances, etc., are specified under other Standard Specifications, when applicable.
- C. Items specified in this Standard Specification are intended to be broad in scope and may not always apply to all items of work to be constructed.

1.2 Specifications References

Specification references made herein for manufactured materials such as pipe, valves, fittings, refer to designations for the American Water Works Association (AWWA), American National Standards Institute, Inc. (ANSI) or to the American Society for Testing and Materials (ASTM) as they are effective on the date of start of work.

1.3 Catalog Information

Catalog information on all equipment and materials to be installed shall be submitted to the City for review prior to purchase and installation of the items as indicated in the "General Requirements" Section E, Materials Submittals.

1.4 Interruption of Utility Service

See the "Protection of Existing Facilities" section of the General Requirements.

1.5 Delivery, Storage, and Handling

- A. Adequate precautions shall be taken to prevent damage to piping and protective coatings. During transporting, pipe and other materials shall be secured individually by use of wood spacer blocks, wood crates, or otherwise protected to prevent collision of individual pieces and accompanying damage.
- B. Where possible, all materials furnished by the Contractor shall be delivered and distributed at the site by the Contractor so that each piece is unloaded opposite or near the place where it is to be placed in the trench.

- C. All pipe, fittings, valves, hydrants, and accessories shall be loaded and unloaded by lifting with hoists or skidding so as to avoid shock or damage. During freezing weather, valves shall be stored to prevent accumulation of water in housing which could freeze and damage valves. Under no circumstances shall materials dropped during handling be installed or be used in the Work.
- D. All pipes, valves, fittings, and all other materials used in the construction of the water lines shall be carefully inspected by the Contractor prior to installation. All defective materials shall be rejected.
- E. Proper materials, tools, and equipment shall be used by the Contractor to provide safe and convenient prosecution of the work.

1.6 Quality Assurance

A. Manufacturer's Certification

The Contractor shall furnish to the City a sworn statement from the product manufacturer, stating that inspection and all specified tests have been made on the supplied material and that the results thereof comply with all appropriate specifications. The statement shall also state that all materials furnished are in accordance with these Standard Specifications, the City of White Salmon Standard Plans, and that all materials are new.

- B. All pipe, pipe fittings, valves, and appurtenances shall be listed and approved for potable water service in accordance with NSF 14 and NSF 61.

PART 2 - MATERIALS

2.1 General

- A. The Contractor shall furnish and install water lines and valves of the size, type, class, and material called for on the City of White Salmon Standard Plans and as specified. Where no specific type of pipe is called for the Contractor may select any type listed herein. Once a particular type and manufacturer is selected, the Contractor shall use that type for the entire project unless other types are specifically called for.
- B. Materials and products which come into contact with drinking water supplied by public water systems or which come into contact with drinking water treatment chemicals used by public water systems shall meet the requirements of National Sanitation Foundation Standard 61 Drinking Water System Components - Health Effects (latest version) or equivalent. These materials and products include, but are not limited to, process media, protective materials, joining and sealing materials, pipes and related products, and mechanical devices used in treatment, transmission, and distribution systems.

2.2 Pipe

A. PVC Pipe

1. C900 Pipe PVC pipe for water lines shall conform to AWWA C900, DR 18 (235 psi) for pipe up to 12 inches in diameter for anticipated static pressures for the pipe being less than or equal to 150 psi. For areas with the static water pressure is anticipated greater than 150 psi, then AWWA C900 DR 14 (305 psi). The pipe shall have flexible rubber gasketed joints. Pipe shall be J-M Eagle Blue Brute, CertainTeed PVC Municipal Water Pipe, or approved equal.

B. Ductile Iron Pipe

1. Ductile iron pipe and fittings shall conform to AWWA C150, AWWA C115, AWWA C151, AWWA C153, and AWWA C110 and shall be minimum pressure Class 350 unless specified otherwise.
2. All ductile iron pipe shall have a bituminous sealed cement mortar lining conforming to AWWA C104 on the interior.
3. All joints unless otherwise specified shall be push-on rubber gasket joints conforming to AWWA C111 and shall be furnished complete with all necessary accessories.
 - a. Flanges for couplings and fittings shall conform to ANSI B16.1, 125-pound bolt hole template.
 - b. Mechanical joints shall conform to AWWA C111.
4. When flanged pipe is required, the Contractor shall provide the D.I. pipe class required by the flange manufacturer to ensure the pipe and flange units are compatible. This data shall be provided to the City for review prior to ordering these materials.

D. PEX-A Tubing for Service Lines

Pipe for sizes 3/4-inch through 2-inch shall be cross-linked polyethylene (PEX) tubing manufactured in accordance with AWWA C904 and to the requirements of ASTM F876, Rehau MUNICIPEX®, PEX-A CTS size or approved equal.

2.3 Fittings for Iron and PVC Pipe

A. General

1. Unless specified otherwise, all fittings such as elbows, tees, crosses, valves, etc., shall have mechanical joints conforming to AWWA C111 and shall be short-bodied compact ductile iron fittings conforming to AWWA C153, Class 350.
2. When called for, flanged cast iron fittings shall conform to AWWA C110 with ANSI B16.1, 125-pound bolt hole template.
 2. All fittings shall be cement mortar lined in accordance with AWWA C104.
4. Gaskets shall be either ring or full faced, 1/8-inch thick conforming to AWWA C111, Appendix B.

B. Fitting and Joint Restraint

1. General. All fittings and pipe joints requiring restraint shall be restrained by mechanical means unless otherwise shown on the drawings or allowed by the Engineer. All changes in directions (both horizontal and vertical), all dead ends, and pipe joints within the distances from fittings specified by the Engineer on the drawings shall be restrained.
2. Fitting Restraint. Ductile iron fittings shall be restrained by using flanged fittings or by using mechanical joints with approved mechanical restraining devices such as the MEGALUG® series by EBBA Iron or equal.
3. Pipe Joint Restraint. Ductile iron pipe joints shall be restrained with field installed restraining gaskets such as FIELDLOK™ gasket system as manufactured by United States Pipe and Foundry Company or approved equal. PVC pipe joints shall be restrained with a restraining harness such as EBBA Iron 1500 or 1600 series harness for NWWA C900 pipe or series 1100HV for AWWA C905 pipe or equal.

C. Water Main Couplings

1. Water main couplings shall be fabricated steel "Dresser" style couplings, or approved equal, conforming to AWWA C219.
2. The Contractor shall provide the appropriate coupling and gaskets as required to match the water lines types and sizes being utilized
3. Couplings shall be rated for the working pressure of the pipe main for which they will be utilized.

2.4 Valves

A. Gate Valves

1. Gate valves 2 inches and smaller shall be all bronze, non-rising stem, conforming to Federal Specification WW-V-54, Type I, Class A and MSS SP-80, Class A rated for a minimum working pressure of 125 psi.
2. Gate valves 2 1/2-inch to 12-inch shall conform to AWWA C509 or C515. Valves shall be designed for 200 psi minimum working pressure and shall be of iron body, resilient wedge, non-rising stem construction. Valves shall be equipped with O-ring type packing. The valve shall have a 2-inch AWWA operating nut for buried service or as directed by the City. The valve ends shall be of the type required to match the pipe to which they will be connected. Valves shall have mechanical joint connections, unless called for otherwise by the City. Valves shall be resilient wedge, Kennedy KSRW or KSFV, Ken-Seal II, M&H Style 4067 or 7000, Clow, or equal.
3. Gate valves 14-inch and 16-inch shall meet or exceed the requirements of AWWA C509 and shall also conform to the applicable requirements of AWWA C500. Valves shall be designed for 200 psi minimum working pressure and shall be of iron body, resilient wedge, non-rising stem construction. Valves shall be equipped with O-ring stem seal. The valve shall have a 2-inch AWWA operating nut. The valve ends shall be of the type required to match the pipe to which they will be connected or as directed by the City. Valves shall be Metroseal 250 as manufactured by U.S. Pipe or equal.
4. Gate valves 18 inches and larger shall conform to AWWA C-500. Valves shall be designed for 150 psi minimum working pressure and shall be of iron body, double disk, parallel seat, bronze mounted, non-rising stem construction. Valves shall be equipped with O-ring type packing. The valve shall have a 2-inch AWWA operating nut. The valve ends shall be of the type required to match the pipe to which they will be connected. Valve shall be M&H NRS Style 67 or equal.

B. Ball Valves

Ball valves 2 inches and smaller shall be bronze, conforming to Federal Specification WW-V-35, Type II, Class A, Style 3, rated for a minimum working pressure of 125 psi.

C. Butterfly Valves

1. All butterfly valves shall be of the rubber-seated tight-closing type that shall meet or exceed the requirements of AWWA C504. All valves shall be M&H 4500, Clow 4500, or approved equal.
2. The valve shall be for buried service with a sealed gear operator having 2-inch AWWA operating nut and shall open counter-clockwise.
3. The valve ends shall be of type required to match the pipe to which they will be connected.

D. Cast Iron Valve Box

1. Each valve shall be equipped with an adjustable cast iron box (910 Style) of the sliding type with a base large enough to cover the top casting of the valve.
2. The diameter of the valve box shall be not less than five (5) inches, and shall be of such length so as to provide the depth of cover over the pipe without full extension.

2.5 Fire Hydrants

- A. Fire hydrants shall conform to AWWA C502 and shall have 5-1/4-inch main valve opening, two 2-1/2-inch NST nozzles and one 4-1/2-inch NST pumper nozzle. Operating nut shall be 1-1/2-inch pentagon. Fire hydrants shall be Mueller Super Centurion or Kennedy K81. The City is standardizing its fire hydrants to these two manufacturers to keep a limited number of spare parts on hand.
- B. All hydrants shall have a minimum depth of bury of 42 inches. Where conditions require, hydrant extensions shall be provided and installed to provide the proper placement and installation of the hydrant.
- C. Hydrants shall receive factory coats of OSHA, Safety red enamel paint and shall also receive an additional field coat after installation.
- D. All hydrants shall be of the traffic model type; and equipped with a 5" Storz.

2.6 Combination Air Release Valves

Air Release Valves shall be a combination air and vacuum type such as Crispen, APCO or ValMatic or approved equal, with appropriate sized inlet and designed for 150 psi operating pressure.

2.7 Service Saddles

- A. Service saddles shall be Romac 202NS Nylon coated ductile iron service saddle with dual stainless steel straps for 2"-30" pipe or approved equal.
- B. Saddle sizes and threads shall be compatible with the pipe type and sizes being utilized.
- C. Service saddles are not required for ductile iron pressure class pipe for taps 1-inch and less. Service saddles are required for ductile iron pressure class pipe for taps greater than 1-inch. Service saddles used on PVC water mains shall be specifically sized at the factory for the type of PVC water main used.

2.8 Corporation Stops

- A. Corporation stops shall be brass ball valve stops complying with AWWA C-800. Corporation stops shall be Ford or Mueller ball corp or approved equal.
- B. Inlet threads and outlet connections shall be as required for type and size of water service line and service saddles being utilized.

2.9 Curb Stops

- A. Curb stops shall be Ford brass ball valves or approved equal.
- B. Valve configuration, inlet, and outlet requirements shall be as required for the size and type of water service lines.

2.10 Service Line Couplings

- A. Service line couplings shall be Ford or Mueller pack joint couplings or approved equal.
- B. Provide appropriate coupling as required to match water service lines types and sizes being utilized. Appropriate stainless-steel insert stiffeners shall be used for all PEX pipe and polyethylene tubing.
- C. Where metal pipe of dissimilar type are being connected, an insulating adaptor gasket such as Dresser Style 65, or approved equal, shall be utilized to prevent galvanic corrosion.

2.11 Meter Setters

- A. Meter setters for 1-inch shall be Ford 70 Series copper setter VBH74-12W-44-44-Q-NL, A Ford angle meter ball valve shall be provided on the meter inlet and a Ford cartridge check valve shall be provided on the meter outlet or Mueller B-2470-2AN 1" with Angle dual check valve, with Angle Meter Ball Valve and Compression Connection ends for CTS or approved equal.
- B. Meter setters for 2-inch water meters shall be Ford 70 Series copper setters (VBB77-(height)B-11-77-NL) or Mueller B-2434N or approved equal.
- C. Provide appropriate meter setter heights, sizes, and connections, etc., as required for the meter and water service lines sizes and types being utilized.
- D. Schedule 40 PVC 1-inch pipe shall also be installed in the setter pipe eyelets to increase the stability of the meter setting.

2.13 Automated Metering Reading (AMR) System

- A. Water Meters
 - 1. Water meters for $\frac{3}{4}$ - 1.5" settings shall be Master Meter, which is compatible with current AMI systems.
 - 2. For 2 to 8-inch diameter size, the meter shall be Octave Ultrasonic Meter with AMI.
 - 3. Meters shall meet or exceed the requirements of AWWA C700 latest revision. All meters shall read in gallons. Meters larger than 4 inches shall be approved by the City on an individual assessment.
 - 4. All meters shall be short lay $\frac{3}{4}$ " size unless specifically called for otherwise or required by the City.

2.14 Water Meter Box and Cover

- A. Water meter boxes for 1-inch shall be a 13"x 24"x18" polyethylene box with recessed lid as manufactured by Raven Products, LLC. The box and lids shall be traffic rated and include a hinged cast iron reader lid and a recessed area for AMR/radio read. Other box manufacturers may be used if approved by the City.
- B. Meter box covers shall properly fit the meter box provided.
- C. Water meter boxes for 2-inch meters shall be a 17"x 30" x 18" polyethylene box with recessed lid as manufactured by Raven Products, LLC. The lids shall include a hinged cast iron reader lid and a recessed area for AMR/radio read.

2.15 Locating Wire

- A. Locating wire shall be a minimum of 12 awg UF solid copper with blue colored insulation. The use of THHN wire will not be acceptable. The silicone splice kit shall be King Innovation Direct bury connector or approved equal.
- B. Where location wire is to be secured to the exterior of fire hydrants, valve boxes, posts, etc., stainless steel pipe straps shall be used and grounded.

2.16 Thrust and Anchor Blocks and Concrete Collars

- A. Concrete used for thrust and anchor blocks, and concrete collars shall be Portland Cement concrete with a 28-day compressive strength of 2500 psi.
- B. Anchor rods shall be $\frac{3}{4}$ -inch diameter galvanized steel or epoxy coated reinforcement bar conforming to AASHTO M284, embedded a minimum of 18 inches in the concrete.

2.17 Water Line Blowoff/Flush Type Hydrant

Flush type fire hydrant/blowoff shall be a dry barrel type with a 2 1/8-inch main valve opening and one 2 1/2-inch hose nozzle. The box shall have a non-locking lid. All applicable parts shall comply with AWWA C502. The hydrant shall be a Mueller Co. 2 1/8" flush type hydrant or approved equal.

2.18 Above Grade Water Sampling Station

- A. The water sampling station shall be minimum 3-foot bury with a ¾-inch FIP inlet, ½-inch unthreaded blowoff, and sampling bibb. The station shall be enclosed in a lockable, non-removable aluminum box with hinged openings. When open, the station shall require no key for operation, and all water flow shall pass through all stainless-steel waterway. All working part shall be of stainless steel and serviceable from above ground with no digging or replacement needed. A stainless-steel pet cock will be located below the sampling bibb using a ¼-inch stainless steel tube to allow a pump to remove any water remaining inside the station to insure non-freezing.**
- B. The above grade water sampling station shall be Kupferle Eclipse Model 88 or approved equal.**

2.19 Screens

Screens for drains from vaults shall be durable 24 mesh noncorrodible screen backed with 4-mesh noncorrodible screen.

PART 3 - EXECUTION

3.1 Trench Excavation and Backfill

Trench excavation and backfill shall be performed as specified in the Standard Specifications for "Excavation and Backfill of Trenches" and the City of White Salmon Standard Plans.

3.2 Sequence of Water Line Work

- A. The following is a general outline of the sequencings of the water line work. When more than a few blocks of water line are involved, the project shall be divided into multiple work zones and the sequence repeated for each area.**
 - 1. Pothole connection points and crossings to verify pipe size, type, and depth.**
 - 2. The Contractor shall obtain water shutoff tags from the City and provide the notices to all water users expected to be impacted by the water shutoff. Notices shall be distributed no later than 4:00 p.m. the day before the work is to be done.**
 - 3. Excavate and inspect the existing water lines and verify all required fittings are on site.**
 - 4. With the assistance of the City, shut off the necessary valves to isolate the existing water line.**
 - 5. Once the connection is made, the existing water main shall be placed back into service.**

6. New water mains shall be installed, disinfected, pressure tested, and flushed.
7. New service lines shall be installed, flushed, and connected to the existing service lines as shown on the plans.
8. Complete the abandonment of existing water lines that are being replaced. Install blind flanges, end caps, etc. at designated or required areas.
9. Remove abandoned hydrants and valves as identified and deliver them to the City Shop.
10. Complete surface restoration.

3.3 Record Drawings

The requirements for Record Drawings, etc., shall be as required in the General Requirements.

3.4 Installation of Pipe

- A. Water pipe shall be installed in accordance with best current practices as required by the manufacturer and as specified herein. PVC pipe installation shall conform to the Uni-Bell Plastic Pipe Association, "Guide for Installation of PVC Pressure Pipe for Municipal Water Main Distribution Systems" and also AWWA M23 "PVC Pipe - Design and Installation." Ductile iron pipe installation shall conform to the requirements of AWWA C600.
- B. Water pipe shall be installed with bell ends laid facing in the direction of laying unless directed otherwise by the City. Each pipe shall be properly bedded so as to be supported for the full length of the pipe. A suitable foundation shall be achieved by a slight excavation under the bell at each joint. All rubber ring joints shall be lubricated and installed in accordance with the installation instructions of the pipe manufacturer, taking particular care to avoid pinching or otherwise causing damage to the rubber ring. All joints shall be free of dirt and other foreign matter prior to the joining of the next pipe. All joints shall be restrained to prevent creep and misalignment of joints.
- C. Water lines shall be installed to the minimum depths called for on the City of White Salmon Standard Plans.
 1. It shall be recognized that water line depths may vary from the minimum depths shown when adjustment of grade is required to avoid conflict with existing utilities.
 2. Additional fittings may also be required when a grade adjustment is required.
- D. No pipe shall be installed in water or when conditions exist that, in the opinion of the City, are unsuitable for the laying of the pipe.
 1. At times when pipe laying is not in progress, the open ends of pipe shall be closed by a watertight plug or other approved means. This provision applies during the noon hour

as well as overnight.

2. If there is water in the trench, the seal should remain in place until the trench is dewatered sufficiently to prevent groundwater from entering the pipe. Adequate provisions shall be made by the Contractor for final disposal of the groundwater pumped from trenches.
- E. All pipe shall be installed true to line. The Contractor may install a pipeline on a curve when approved by the City.
1. For rubber gasketed ductile iron pipe installed on a curve, the pipe shall be joined in a straight alignment, then deflected. The amount of deflection shall not exceed 80 percent of the recommended maximum deflection specified in AWWA C600.
 2. For PVC pipe installed on a curve, deflection of the pipe shall be achieved by bending the pipe within the limitations specified by the pipe manufacturer. Joint deflection of PVC pipe is not allowed.

3.5 Thrust and Anchor Blocks

- A. Thrust and anchor blocks shall be used when existing conditions do not allow the use of mechanical restraints and shall be constructed as shown on the City of White Salmon Standard Plans and placed at all changes in direction, all changes in the diameter of the pipe, all dead-ends, as specifically shown in the City of White Salmon Standard Plans and as required by the City.
- B. All thrust blocks shall be placed between the undisturbed ground and the fitting to be anchored. Plastic sheeting shall be used to provide a bonding barrier between the fittings and the concrete. The quantity of concrete and the area of bearing on the soil shall be as shown on the City of White Salmon Standard Plans and as approved by the City.
- C. All thrust blocks shall be placed so that the entire pipe and fitting joints will be accessible for repairs. Bolts for mechanical and flange fittings and fire hydrant weep holes shall not be covered with concrete. All bolts shall be accessible and removable without interference from the thrust block.
- D. No backfill of thrust blocks shall occur until the work has been inspected by the City.

3.6 Locating Wire

- A. A continuous solid copper locating wire shall be placed along the top of all water pipe. This wire shall be secured to the top of the pipe at maximum 10-foot intervals using 6-inch strips of 2-inch wide duct tape. Service lines shall be zip tied. All splices shall be electrically continuous. At all splices the connecting ends of the wires shall be overlapped and tied. The ends shall be stripped and connected with a wire nut to ensure an electrical connection and made waterproof with an approved silicone splice kit. Access to terminal ends of the locating wire shall be made at all valve boxes, meter boxes, fire hydrants, vaults, etc. The result of this installation shall be a continuous wire circuit electrically isolated from ground.

- B. The Contractor shall be responsible for testing continuity and for testing isolation from ground in the wire after all work has been completed on the test section. The Contractor is advised to do intermediate testing on his own after backfilling operations and prior to surface restoration work to be sure continuity is maintained. If there is a break or defect in the wire, it shall be the Contractor's responsibility to locate and repair the defect.
- C. The continuity of the location wire shall be tested from one test load point to the next by use of a temporary wire laid between test points in-line with an ohmmeter. Resistance shall be measured with an approved ohmmeter that has been properly calibrated. The continuity of a test section will be accepted if the resistance of the test section does not exceed 5 ohms per 500 feet of location wire being tested. Isolation from ground shall be measured with a megohmmeter and shall be a minimum of 20 megohms for any section of location wire tested.

The City shall witness the acceptance test. The wire and installation shall be included in the water line bid price. No separate payment shall be made.

3.7 Service Connections

The Contractor shall connect service lines to new or existing water mains as shown on the City of White Salmon Standard Plans. This work includes the installation of a saddle and corporation stop and making the connection. The work will include potholing to locate any existing pipeline or service lines as required so the service connection can be performed.

3.8 Service Lines

- A. The installation of new service lines and the connecting of existing service lines shall be performed in accordance with the City of White Salmon Standard Plans, manufacturer requirements, and as specified herein. Water service lines shall be laid by placing the pipe on the trench bottom with sufficient slack to prevent pulling apart of the joints when the backfill is placed. Splices shall be kept to an absolute minimum. If required, they shall be made using brass compression joint couplings, Ford Pack Joint or approved equal.
- B. When constructing a new water line to replace an existing line, the existing water line shall remain in service until the new water line has been tested, disinfected and approved by the City. When possible, the existing line and new line shall both be in operation during the transfer of service lines. The transfer shall be made so that the interruption of water service to the utility customer is held to a minimum. All service lines shall be thoroughly flushed before connecting to existing lines or meters.

3.9 Valves and Valve Boxes

- A. Valves and valve boxes shall be installed as shown in the City of White Salmon Standard Plans. All valves and valve boxes shall be set plumb. The valve box shall be centered over the valve operator and free of any obstruction which would prevent operation of the valve nut.

- B. If the bury depth of the valve is greater than 4 1/2 feet, a valve operator extension shall be provided to within 1 foot of finish grade. The extension shall be permanently attached to the valve operator and a self-centering device shall be provided near the top of the valve operator extension. The box cover shall be installed with a concrete collar and adjusted to final grade as shown on the City of White Salmon Standard Plans.

3.10 Fire Hydrants

- A. Hydrant installation shall conform with AWWA Manual M17 and AWWA C600, and as shown on the City of White Salmon Standard Plans. Extensions required for hydrant adjustment shall be installed to the manufacturer's specifications.
- B. Hydrants may be installed on new water mains installed as part of the work, or on existing mains. Special attention shall be given when installing hydrants on existing mains to ensure that adequate thrust restraint is being achieved as the hydrants can be placed in service before normal cast-in-place thrust blocks can achieve the required strength. The block and plug shall be held securely by temporary thrust block or other approved method, such as precast thrust blocks, restraining rods, etc...
- C. The newly installed hydrants shall be covered in a manner acceptable to the City until they are placed into permanent service.
- D. Apply field coat of paint.

3.11 Removal of Existing Fire Hydrants

- A. All hydrants removed shall remain the property of the City and shall be delivered and properly stacked at a site designated by the City.
- B. After the old hydrant is removed, the lead line, if it is to be abandoned, shall be plugged at the main line tee with a watertight plug and thrust block. When the lead pipe is connected to a water main which is being abandoned, it will not need to be plugged.
- C. The Contractor shall apply black paint to the hydrant the same day the existing hydrant is disconnected from service; or otherwise, mark the hydrant in a manner acceptable to the City.

3.12 Water Line Blowoffs

The 2-inch water line blowoffs shall be constructed as shown on the City of White Salmon Standard Plans.

3.13 Connections to Existing Lines

- A. In connecting to existing lines, the Contractor may select the combination of fittings he wishes to use, subject to approval of the City. Approved fabricated steel couplings, repair bands, transition couplings, or tapping sleeves are among the options available to the Contractor. The Contractor shall submit to the City information on the type of couplings he proposes to use.

- B. Proper disinfection, as described hereafter, shall always be accomplished. The Contractor shall provide watertight plugs and thrust restraints, as required, to cap old lines after they are disconnected.
- C. The Contractor shall provide special attention in providing thrust restraint for fittings installed as part of a connection to an existing line, when such connection will be placed into service before normal cast-in-place thrust blocks can achieve required strength. In such cases thrust restrained joints, precast thrust blocks, etc., must be utilized to provide thrust restraint. Methods used by the Contractor shall be approved by the City.
- D. The Contractor shall not interrupt service for the purpose of connecting to an existing line until he has excavated the required location, visually inspected the connection point, and verified that he has available on the site all fittings required for completion of the connection or connections. Isolation of a section of line to be modified will be accomplished by the Contractor only after consultation with the City for the purpose of determining the proper valves to close to effect the isolation. The Contractor shall cooperate with the City in accomplishing this isolation. When work is started on a connection, it shall proceed continuously without interruption, and as rapidly as possible until completed. If the connection involves turning off the water, the Contractor shall be responsible for notifying the residents affected by the shutoff. See the "Protection of Existing Facilities" section of the General Requirements.

3.14 Water Meter Installation

The Contractor shall furnish all materials required and shall install the water meters as shown on the City of White Salmon Standard Plans and described herein. Water meter installations shall include appropriate meter box and cover, copper setter, yokes, and fittings, and shall include the water meter when meter is not to be installed by the City. Meter boxes shall be set plumb with cover level and with equal clearance on all sides between the box and the plumbing.

3.15 Water-Sewer Line Crossings

- A. Wherever possible, the bottom of the new water line shall be 1.5 feet or more above the top of any sanitary sewer line. The minimum requirements for water/sewer separation set by the Washington State Department of Ecology's criteria for sewage works design shall be met at all times.
- B. Where the water line crosses over an existing sanitary sewer line but with a clearance of less than 1.5 feet, the sewer line shall be exposed to the sewer line joints on both sides of the crossing to permit examination of the sewer pipe.
 - 1. If the sewer pipe is in good condition and there is no evidence of leakage from the sewer line as observed by the City, the 1.5-foot separation may be reduced by the City.
 - 2. When the vertical separation is less than 1.5 feet, the Contractor shall center one full length of the new water pipe over the sewer line.

3. If the City determines that the conditions are not favorable or finds evidence of leakage from the sewer line, the sewer line shall be replaced with a full length of PVC pressure pipe (AWWA C900, DR 18, 150 psi pipe) centered at the crossing point.
- C. Where the water line crosses under the sanitary sewer line, the Contractor shall expose the existing sewer line and examine it as indicated above.
1. If conditions are favorable and there is no evidence of leakage from the sewer line, the sewer line may be left in place but must be supported with a steel beam, reinforced concrete beam, or other means of preventing settlement when it spans the water line trench, and special precautions must be taken to assure that the backfill material over the water line in the vicinity of the crossing is thoroughly compacted in order to prevent settlement which could result in the leakage of sewage. In this situation, the Contractor shall center one length of the new water line at the crossing.
 2. If the City determines that conditions are not favorable or finds evidence of leakage from the sewer line, then the sewer line at the crossing shall be replaced.
- D. When constructing water service lines, the City may require the depth of the service line to be revised in order to eliminate the need for a water-sewer line crossing.

3.16 Capping Existing Water Mains and Services

- A. When required, the Contractor shall cap an existing water main or service tap when an existing main or service is to be taken out of service. Each location will require different types of fittings, etc., to accomplish the work. All caps are to be permanent and watertight. When required, thrust restraints shall be provided. Corporation stops on service taps shall be in "off" position and an approved watertight cap installed.
- B. Unless specified otherwise, the capping shall be performed at the connection to the water main which is to remain in service. No stubbed water mains or service lines shall be left in the ground unless approved otherwise by the City. The Contractor shall excavate and expose the piping to be capped, perform the work, and backfill as required.

3.17 Abandoned Water Lines

- A. The existing water lines to be taken out of service are to remain in service until the new lines are properly installed and tested, and water services have been connected. Approval from the City shall be obtained before any line is abandoned.
- B. The existing lines shall then be abandoned, and their actual location and abandoned designation recorded on all Record Drawings.
- C. Unless called for otherwise, the abandoned lines will remain in the ground. The ends of all pipes which are abandoned shall be plugged with concrete or other methods approved by the City.

3.18 Air Release Valves

Air release valves shall be installed as required by the manufacturer.

3.19 Other Installations

Installations of valves and valve boxes shall be in accordance with the manufacturer requirements and the City of White Salmon Standard Plans.

3.20 Removal and Salvage of Water Main Appurtenances, Fittings, and Other Items

- A. The Contractor shall remove all existing valves, hydrants, and fittings as required to properly perform the work. All such materials shall be transported to an area designated by the City and stockpiled. Materials shall be removed and handled in such a manner which will prevent damage.
- B. The abandoned existing pipe is to remain in the ground, unless otherwise specified.

3.21 Work with Existing Asbestos Cement (A/C) Pipe

- A. When working with A/C pipe, the Contractor shall take all precautions necessary to reduce airborne asbestos during construction. All work with A/C pipe shall conform with American Water Works Association Publication No. M16 "Work Practices for Asbestos-Cement Pipe."
- B. The Contractor shall cut asbestos cement pipe by using snap cutters only. The use of carbide-tipped cutting blades or high speed, abrasive disks shall not be permitted as a means of cutting A/C pipe snap cutters. Machining of this pipe shall be done with a manual or power-driven field lathe, or with a manual rasp.
- C. Hole cutting shall be accomplished with a tapping machine. Use of shell cutters, rasps, chisels, electric drills, right angle sanders, or other high-speed abrasive tools shall not be permitted. Uncoupling of asbestos cement pipe shall be accomplished with a hammer and chisel. Use of abrasive disc cutters, right angle sanders, or other high-speed abrasive tools shall not be permitted.
- D. Dust and cuttings from all work shall be removed by wet mopping.
- E. All waste material shall be collected in a covered container and disposed at a landfill certified by the state or EPA to accept demolition waste.

3.22 Repair of Unmarked Water Lines

- A. The specific location, pipe size, type and bury depth of every existing water main and service may not be known. Prior to construction, the City will mark the location of known water lines with paint.
- B. The Contractor shall perform appropriate exploratory work to locate utilities when they are known to exist but the specific location is unknown or not marked accurately.
- C. Contractor shall repair the water main or service coupling using materials approved by the City.

3.23 Water Marker Posts

The Contractor shall furnish and place marker posts at locations as directed by the City to mark the locations of certain valves and other appurtenances. Posts shall be set solidly in the ground.

3.24 Testing and Disinfection

- A. General. The Contractor shall furnish all necessary equipment and other apparatus, including gauges, necessary to properly perform the testing and disinfection of water lines as specified. Lines to be tested include mains and service lines. Each section of the lines before being tested and placed into service shall be isolated and slowly filled with water. Air should be expelled from the line through hydrants or taps made at the high points. The City shall have the option of requiring the use of his own gauges. Water mains shall be generally tested in sections between valves and as the work progresses. The Contractor shall be responsible for determining the length, timing, and section of lines to be tested, unless otherwise noted. When appropriate, testing intermediate sections of long lines should be considered. The Contractor shall provide any temporary test heads, fittings, blocking, etc., as may be required to properly test any given water main section. The Contractor shall be responsible for locating and repairing any defects in the water mains which fail to pass the required test.
- B. Acceptance Test. The Contractor shall perform all preliminary testing required to determine that the lines to be tested are acceptable and comply with the requirements of this section of the Specifications. After the Contractor has determined that the lines will pass the required test, the Contractor shall arrange for an acceptance test to be witnessed by the City's representative. The Contractor shall coordinate the timing of this acceptance test with the City's representative. The lines will not be accepted until the acceptance test has been witnessed and documented as passing. Forms for performing the various tests are included at the end of this Standard Specification for use and reference by the Contractor.
- C. Hydrostatic Testing of Pressure Lines. All lines shall be pressure tested at 150 psi gauge or 1.5 times the actual working pressure, whichever is greater, for one hour, unless otherwise indicated. Any cracked or defective pipe, joints, or fittings shall be removed and replaced.
- D. Leakage Test. Each section of the line, after all backfill and compaction work has been completed and before being placed into service, shall be tested for leakage for a period of two hours at a minimum average gauge pressure of 10 psi. Leakage is defined as the quantity of water supplied into the section of line being tested, during and at the end of the test, that quantity being such that the pressure at the end of the test is equal to the pressure at the beginning of the test. Should any test disclose leakage greater than that specified, the Contractor shall locate and repair the defective joints until the leakage is within the specified allowance.

PVC and DI Pipe: $LQ = (NLD \sqrt{P}) / 148,000$

In which:

LQ = Allowable Leakage Gal/Hr

L = Length of Pipe **Section being** Tested in Ft.

N = **Number of Joints or Connections**

D = **Pipe** Nominal Diameter in Inches

P = Gauge Pressure in psi

Should any test disclose leakage greater than that specified, the Contractor shall locate and repair the defective joints or pipe until the leakage is within the specified allowance.

E. Disinfection of Potable Water Lines

1. Each section of the line before being placed into service shall be thoroughly flushed and disinfected in accordance with Washington State Department of Health requirements. These requirements shall be supplemented with the following:
 - (a) Following completion of new facilities and repairs to existing facilities, these portions of the facilities which will be in contact with the water delivered to users shall be disinfected with chlorine before they are placed into service. Other disinfectants may be used if it is demonstrated that they can also achieve the same result as chlorine;
 - (b) Prior to disinfection, the facilities shall be cleaned and flushed with potable water;
 - (c) For wells, valves, pumps, water mains and service connections, a chlorine solution with a free chlorine residual of 25 mg/L shall be introduced into the system in a manner which will result in a thorough wetting of all surfaces and the discharge of all trapped air. The solution shall remain in place for 24 hours. After the 24-hour period, the free chlorine residual shall be checked, and if it is found to be 10 mg/L or more, the chlorine solution shall be drained, the facility flushed with potable water and a minimum of one sample shall be collected from the facility for microbiological analysis. If the results of the analysis indicate that the water is free of coliform organisms, the facility may be put into service. If the check measurement taken after the 24-hour contact period indicates a free chlorine residual of less than 10 mg/L, the facilities shall be flushed, rechlorinated and rechecked until a final residual of 10 mg/L or more is achieved. Likewise, if the microbiological analysis indicates the presence of coliform organisms, the flushing and disinfection must be repeated until a sample free of coliform organisms is obtained;
2. The Contractor shall be responsible for collecting and testing of bacteriological samples for water quality verification following chlorination and flushing. He shall have the samples tested by a laboratory approved for such testing by the Washington State Department of Health. Should a test fail, the Contractor shall repeat the disinfection, sampling, and testing procedures until a satisfactory result is obtained. No section of pipe shall be placed into service until acceptable bacteriological tests have been obtained.

3. When making connections to existing lines, and proper disinfections as described previously cannot be achieved, all materials which will be in contact with the water shall be cleaned and shall be thoroughly swabbed with a 200 mg/L chlorine solution.
4. Disposal of any water containing chlorine shall be performed in accordance with AWWA C651, Section 01100, and any other local requirements. Disposal may be made into existing sanitary sewer systems providing approvals are obtained from the City. Any chlorinated water discharged to open stream channels must be dechlorinated prior to discharge.

3.25 Restoration, Finishing, and Cleanup

- A. The Contractor shall restore or replace all paved surfaces, graveled surfaces, curbing, sidewalks, trees, shrubbery, lawns, pastures, fences, and other existing facilities equal to their original condition.
- B. All surplus material and temporary structures as well as excess excavation shall be removed and the entire site of Contractor operations shall be left in a neat and clean condition.
- C. Also see Standard Specifications – "Excavation and Backfill of Trenches" and the Standard Specifications – "Surface Restoration" for specific requirements.

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PART 1 - GENERAL

1.1 Scope

- A. These Standard Specifications cover the furnishing and installation of gravity sewer lines, pressure sewer lines, service lines, manholes, cleanouts, and miscellaneous appurtenances. The work includes, unless otherwise specified, furnishing all labor, materials, tools, equipment, and incidentals required to construct a complete sewer system ready for service as outlined in the General Requirements and the City of White Salmon Standard Plans. Requirements for excavation and backfill of trenches, surface restoration, and special appurtenances are specified under separate sections of these Standard Specifications.
- B. Items included in this Standard Specification are intended to be broad in scope and may not always apply to all items of work to be constructed.

1.2 Specifications References

Specification references made herein for manufactured materials such as pipe, fittings, and manhole rings and covers refer to designations for the American Public Works Association (APWA), the American Water Works Association (AWWA), or the American Society for Testing and Materials (ASTM).

1.3 Submittals

Catalog information on all materials and/or equipment to be installed shall be submitted to the City for approval, as required in Section E, Materials Submittals, of the General Requirements, prior to incorporation into the work.

1.4 Care and Handling of Material

- A. Adequate precautions shall be taken to prevent damage to pipes, fittings, manhole components, and all other materials used in construction of a sewerage system. Pipe and other materials during transport shall be secure individually by use of wood spacer blocks or wood crates, or otherwise protected to prevent collision of individual pieces and the possible subsequent damage.
- B. All pipe, fittings, manhole components, and valves shall be loaded and unloaded in a manner prevent shock or damage. Under no circumstances shall such material be dropped. All materials on the ground shall be protected from damage. All pipes, fittings, manhole components, valves, and all other materials used in the construction of the sewerage system shall be carefully inspected by the Contractor prior to installation. All defective materials shall be rejected. All materials which are delivered considerably in advance of their installation shall be stored in a satisfactory manner.

- C. Proper materials, tools and equipment shall be used by the Contractor for safe and convenient prosecution of the work. All pipes, fittings, etc., shall be carefully lowered into the trench piece by piece in such a manner to prevent any damage to the materials. Under no circumstances shall sewage system materials be dropped or dumped into the trenches.

1.5 Certification by Manufacturer

The Contractor shall furnish to the City a sworn statement from the manufacturer, stating that inspection and all specified tests have been made on the supplied material and that the results thereof comply with appropriate specifications. The statement shall also state that all materials furnished are in accordance with these Standard Specifications and that all materials are new.

1.6 Restoration, Finishing, and Cleanup

The Contractor shall restore or replace all paved surfaces, graveled surfaces, curbing, sidewalks, trees and shrubbery, lawns, pastures, fences and other existing facilities to their original condition. See Standard Specifications – "Excavation and Backfill of Trenches" and Standard Specifications – "Surface Restoration" for specific requirements.

PART 2 - MATERIALS

2.1 Pipe

A. General

Where no specific type of pipe is called for, the Contractor may select any type listed herein. Once a particular type of pipe is selected, the Contractor shall use that type for all pipe of the same diameter. Where a specific type of pipe is specified, the Contractor shall conform to those requirements. Such pipe shall also conform to the appropriate pipe specifications.

B. PVC Gravity Pipe

PVC gravity sewer pipe and fittings 15-inch diameter and smaller shall conform to ASTM D3034, SDR 35. Pipes 18-inch diameter to 24-inch diameter shall conform to ASTM F679. The joints shall be flexible joint with rubber ring gasket.

C. PVC Pressure Pipe

1. PVC pipe for pressure sewer lines shall conform to AWWA C900, DR 18 (150 psi pipe), or as otherwise specified. The pipe shall have flexible rubber gasketed joints conforming to ASTM D3139.
2. Class 160 PVC Pipe for pressure sewer lines shall conform to ASTM D2241, SDR 26. The pipe shall have flexible rubber gasketed joints conforming to ASTM D3139 except where solvent weld joints are specifically called for.

D. Ductile Iron Pipe

1. Ductile iron pipe and fittings shall conform to AWWA C150, AWWA C115, AWWA C151, AWWA C153, and AWWA C110 and shall be minimum pressure Class 350 unless specified otherwise. All ductile iron pipe shall have a bituminous sealed cement mortar lining conforming to AWWA C104. All joints, unless otherwise specified, shall be push-on rubber gasket joints conforming to AWWA C111.
2. When flanged pipe is required, the Contractor shall provide the D.I. pipe class required by the flange manufacturer to ensure the pipe and flange units are compatible. This data shall be provided to the City for his review prior to ordering these materials. Flanges for couplings and fittings shall conform to ANSI 16.1, 125-pound bolt hole template.
3. All ductile iron pipe installed shall be encased in 8-mil-thick polyethylene encasement installed in accordance with ANSI/AWWA C105/A21.5, ASTM A674, and guidelines set up by the Ductile Iron Pipe Research Association (DIPRA).

E. Polyethylene Lined Ductile Iron Pipe

1. Ductile iron pipe and fittings shall conform to AWWA C150, AWWA C115, AWWA C151, and AWWA C110 and shall be minimum pressure Class 250 unless specified otherwise. The internal pipe lining shall be polyethylene modified to achieve chemical bonding to the metal and shall have a nominal thickness of 40 mils. The lining material shall contain no inert filler except 3 percent carbon black. The pipe bell interior surface through the entire gasket seat, spigot end, and external surface of the spigot to a point beyond gasket engagement shall be coated with the same polyethylene material with a minimum thickness of 10 mils. The lining of the pipe barrel must pass a 7500V holiday test using a dry electrode, and the bell interior and spigot shall pass a 67.5 wet sponge holiday detection test.
2. All joints, unless otherwise specified, shall be push-on rubber gasket joints conforming to AWWA C111.
3. Mechanical joints shall conform to AWWA C111.
4. When flanged pipe is required, the Contractor shall provide the D.I. pipe class required by the flange manufacturer to ensure the pipe and flange units are compatible. This data shall be provided to the City for review prior to ordering these materials.

C. High Density Polyethylene Pipe

1. High density polyethylene pipe shall conform to AWWA C906. All joints shall be by the heat fusion method in accordance with the manufacturer's requirements.
2. Fittings shall be standard commercial products manufactured by injection molding or by extrusion and machining or fabricated from AWWA C906 pipe.

3. The Contractor shall provide detailed shop drawings for all joints and connections, including provisions for expansion and contraction as recommended by the pipe manufacturer.

2.2 Fittings

A. Fittings for Iron and PVC Pipe

Unless specified otherwise, all fittings such as elbows, tees, crosses, etc., shall be mechanical joint short-bodied compact ductile iron fittings conforming to AWWA C153, Class 350. When called for, flanged cast iron fittings shall conform to AWWA C110 with ANSI B16.1, 125-pound bolt hole template. All fittings shall be cement mortar lined in accordance with AWWA C104. Gaskets shall be either ring or full faced, 1/8 inch thick conforming to AWWA C111, Appendix B.

B. Fittings for Sewer Service Connection

Main line fittings for sewer service connections when installing new gravity sewer pipe shall be a gasketed tee suitable for ASTM D3034 or ASTM F679 sewer pipe. When service connections are required on existing sewer lines, a sewer tapping saddle shall be used, such as "Geneco Sealtite," of the type and model required to match the sewer main line and service line pipe materials, or approved equal.

C. Couplings

Couplings shall have stainless steel shear rings of the size and style required to match the pipe size and type being utilized. Couplings shall be manufactured by Fernco with stainless steel shear rings or approved equal.

D. Restrained Pipe Joints and Fittings

Restrained pipe joints shall be mechanical joint ductile iron with "MEGALUG" field-installed restraint devices as manufactured by Ebaa Iron, Inc., or approved equal.

2.3 Valves and Appurtenances

A. Gate Valves

1. Gate valves 2 inches and larger shall conform to AWWA C509. Valves shall be designed for 200 psi minimum working pressure and shall be of iron body, resilient seat, non-rising stem construction. Valves shall be equipped with O-ring type packing. The valve shall have a 2-inch AWWA operating nut for buried service or as specified otherwise.
2. The valve ends shall be of the type required to match the pipe to which they will be connected.
3. Valves shall be resilient seated Kennedy KSRW or KSFV, M&H Style 4067 or 7000, or Clow, or equal.

B. Valve Boxes

Each valve shall be equipped with an adjustable cast iron box of the sliding type with a base large enough to cover the top casting of the valve. The diameter of the valve box shall be not less than five (5) inches, and shall be of such length so as to provide the depth of cover over the pipe without full extension. Materials and installation workmanship for valve boxes shall be in accordance with AWWA C600, Section 10.3.

C. Sewage Air Release Valve

1. Air release valves where called for shall be Valve and Primer Corporation, #400 APCO Sewage Air Release Valve and/or #401 APCO Sewage Air and Vacuum Valve with 2-inch inlet or approved equal. An auxiliary 2-inch 125 psi bronze rising stem solid disc gate valve shall be installed with all sewage air release valves.
2. Air release valves shall also be furnished with accessory valves and connections (for flushing purposes).
3. The furnishing and installation of sewage air release valves shall include the construction of all associated structures and appurtenances.

D. Plug Valves

1. All plug valves shall conform to AWWA C504. The valve body shall be constructed of cast iron (semi-steel) conforming to ASTM A126 Class B and shall be protected with a factory-applied fusion-bonded coating meeting AWWA C550. The shaft and plug shall be integrally constructed of cast iron (semi-steel) and shall be 100 percent encapsulated with Buna N rubber. The stem seals shall be Buna N multiple "V" ring stem packing seals. The valve seat surface shall be raised welded-in overlay of not less than 90 percent nickel.
2. Flange dimensions, facing, and drilling shall conform to ANSI B16.1, Class 125. Mechanical joints shall meet the requirements of AWWA C111/ANSI A21.11.
3. The valve shall have a 2-inch AWWA operator nut for buried services and handwheel operator for non-buried services. Worm gear operators shall be furnished for all 4-inch or larger valves.
4. Valves shall be M&H 1820 eccentric plug valves, Pratt Ballcentric plug valves, or approved equal.

2.4 Thrust and Anchor Blocks

Thrust and anchor blocks shall be located and sized as shown on the City of White Salmon Standard Plans, and at all changes in direction, or as required by the City. Concrete used for the blocks shall be Portland Cement concrete with a minimum 28-day strength of 2,500 psi. All concrete shall be placed so that pipe joints and fittings will be accessible for repair. Concrete shall be placed against undisturbed material. Anchor rods shall be 3/4-inch diameter galvanized steel, embedded a minimum of 18 inches in concrete.

2.5 Manholes

A. Cast-in-place Concrete Base Sections

1. Cast-in-place concrete base sections for manhole construction shall have a minimum 28-day strength of 3,000 psi, unless approved otherwise by the Engineer, and shall have thicknesses shown in the City of White Salmon Standard Plans.
2. Required "U" shaped channels shall be constructed by the use of properly shaped forms. Intersecting flow channels shall have smooth uniform transitions. All channels shall have smooth troweled finishes. All shelf area shall be uniformly shaped, have a rough float finish and shall slightly slope towards the channel. The shelf shall be above the top of the sewer pipe.
3. The Contractor shall be responsible for the determination of pipe hole orientation and grade. Cast-in-place base sections will only be used where called for specifically by the City.

B. Precast Concrete Base Sections

1. Precast concrete base sections shall be approved by the City and shall conform to ASTM C478. Concrete shall be consolidated by mechanical vibration. Reinforcing shall be provided in the base and walls. Minimum concrete thickness shall be as shown in the City of White Salmon Standard Plans.
2. Required "U" shaped channels shall be constructed by the use of properly shaped forms. Intersecting flow channels shall have smooth uniform transitions. All channels shall have smooth troweled finishes. All shelf area shall be uniformly shaped, have a rough float finish and shall slightly slope towards the channel. The shelf shall be above the top of the sewer pipe.
3. The Contractor shall be responsible for the determination of pipe hole orientation and grade. Precast base sections shall be used unless specifically called for otherwise by the City.

C. Precast Concrete Manhole Sections

1. Precast concrete manhole sections shall conform to ASTM C478 and consist of circular sections in the standard 48-inch diameter or larger. No more than two lift holes shall be

cast into each section. Holes shall be located as to not damage reinforcing or expose it to corrosion. At the manufacturer's option, steel loops may be provided for handling, in lieu of lift holes. All lift holes shall be patched to prevent water seepage into the manhole, utilizing an approved, non-shrink grout.

2. Precast manhole cones shall be eccentric unless otherwise allowed by the City and shall meet ASTM C478.
3. Flat slab covers for manholes shall conform to ASTM C478 and shall only be used when specifically allowed by the City. Slabs, cones and ring sections shall be free from fractures, cracks, rock pockets, or exposed reinforcement. Joint seal material shall be "Kent seal" mastic acrylic polymeric sealant, O-ring rubber gasket, or approved equal.
4. Manholes which have a depth of 5-1/2 feet or less, from the top of the manhole cover to the pipe invert, shall utilize a 2-foot tall cone section. Flat slab covers shall not be used for manholes less than 5-1/2 feet in depth, unless approved by the City.

D. Pipe Connection to Manholes

1. All pipe connections to manholes shall be constructed as shown on the City of White Salmon Standard Plans, shall be flexible, and shall allow movement of the sewer pipe in all directions. Manhole pipe couplings shall be suitable for the sewer pipe type connecting to the manhole.
2. A/C sewer couplings with an appropriate adaptor gasket by Romac Industries, or approved equal, may be used for cast-in-place manhole bases.
3. When precast base sections are used, an A-Lok pipe connector as manufactured by A-Lok Products, Inc., PSX Flexible Connector as manufactured by Press Seal Gasket Corporation, Kor-N-Seal as manufactured by Core and Seal Company, or approved equal shall be used.
4. Fittings for drop manholes shall be of the same material as the attached sewer pipe.

E. Manhole Rings and Covers

1. Castings shall be tough, close-grained, gray iron free from blow holes, shrinkage and cold sheets.
2. Manhole rings and covers shall conform to ASTM A48 and shall be smooth, sound, clean and free from blisters and defects. Castings and covers shall be planed and ground when necessary to ensure flat and true surfaces. Covers shall be true and shall seat within the ring at all points.
3. Manhole rings and covers shall be Olympic Foundry Model MH30A single hole cover or approved equal. The word "sewer" shall be printed on the cover.

F. Manhole Stubouts

1. Manhole stubouts shall be constructed as called for on the City of White Salmon Standard Plans and as directed by the City. The stubouts shall have the appropriate flexible connection at the manhole.
2. The outside end of the stubout shall be secured, sealed watertight with a block and plug with rubber ring seal.
3. All stubouts shall be 8-inch unless otherwise required by the City.

2.6 Pressure Sewer Discharge Manholes

The Contractor shall construct the "Pressure Sewer Discharge Manholes" as directed by the City and also in accordance with the specifications herein for standard manholes.

2.7 Cleanouts

A. Cast Iron Rings and Covers

Main line cleanouts shall have cast iron rings and covers such as Olympic Foundry M1007.

B. Pipe

Pipe used in the construction of cleanouts shall be consistent with type of sewer pipe to which it is connected.

2.8 Locating Wire

- A. Locating wire shall be a minimum of 12 awg UF solid copper with green colored insulation. The use of THHN wire will not be acceptable.
- B. At all splices the connecting ends of the wires shall be overlapped and tied. The ends shall be stripped and connected with a wire nut to ensure an electrical connection and made waterproof with an approved silicone splice kit.
- C. Where location wire is to be secured to exterior of manhole cleanouts, valve boxes, etc., stainless steel pipe straps shall be used.
- D. The splice kit shall be King Technology Model 50-566 or approved equal.

PART 3 - EXECUTION

3.1 Gravity Sewer Construction

A. Trench Excavation and Backfill

Trench excavation and backfill shall be performed as specified in the Standard Specifications – “Excavation and Backfill of Trenches.”

B. Installation of Pipe

1. Gravity sewer pipe shall be installed in accordance with the best current practices and as required by the manufacturer. Gravity sewer pipe, unless otherwise approved by the City, shall be laid by progressing upgrade from the existing or newly constructed sewer; the sewer pipe shall be installed with bell ends laid upgrade unless otherwise approved. Each pipe shall be properly bedded so as to be supported along the full length of the pipe. A suitable foundation shall be achieved by a slight excavation for the bell at each joint.
2. All rubber ring joints shall be lubricated, except when using rolling rubber gaskets with concrete pipe, and installed in accordance with the installation instructions of the pipe manufacturer, taking particular care to avoid pinching or otherwise causing damage to the rubber ring. All joints shall be free of dirt and other foreign matter prior to the joining of the next pipe. All pipe shall be installed to prevent creep and misalignment of joints. All pipe shall have a ring painted around the spigot ends in such a manner as to allow field checking of setting depth of pipe in socket.
3. Gravity sewer pipe shall be installed with the use of a laser beam and target. Unless the work involves deep excavations, traffic problems, water problems, or approved by the City, the trench for the first 100 feet shall not be backfilled until the sewer grade has been checked. The Contractor shall set and aim the laser as controlled by the “cuts” and “slopes.” Careful attention shall be given to the setting up of the laser and the periodic checking of its aim, etc. All grade checking of laser shall be the responsibility of the Contractor. All pipe shall be installed true to line and grade. A tolerance of plus or minus 1/4-inch deviation from true grade at each joint will be allowed. Extra care shall be given to the installation of sewer lines at minimum slopes to avoid flat slopes in the line. All pipe shall be installed true to line. Except when approved or specified, the Contractor may not install a pipeline on a curve.
 - a. For rubber gasketed ductile iron pipe installed on a curve, the pipe shall be joined in a straight alignment, then deflected. The amount of deflection shall not exceed 80 percent of the recommended maximum deflection specified in AWWA C600.
 - b. For PVC pipe installed on a curve, deflection of the pipe shall be achieved by bending the pipe within the limitations specified by the pipe manufacturer. Joint deflection of PVC pipe is not allowed.

4. All foreign matter and gravel shall be removed from the inside of the pipe and fittings before being installed and the pipe and fittings shall be kept clean during placement. No pipe shall be laid in water or when conditions exist that in the opinion of the City are unsuitable for the placing of pipe. All pipe and manholes shall be covered or plugged at night and whenever the work is not supervised.
5. The Contractor may elect, at his own option, to drain or pump groundwater from the trenches into previously placed new sewer lines as long as adequate disposal is provided. The Contractor shall not discharge any groundwater into existing live sewer lines. Adequate provisions shall be made by the Contractor for final disposal of the groundwater from trenches as approved by the City. Any water discharged into new sewer lines shall be properly screened to prevent the entrance of debris and gravel. At the termination of dewatering operations the Contractor shall thoroughly clean the sewer lines that were used. No sewer lines will be accepted as completed until being cleaned as approved by the City.
6. All pipe/manhole connections shall be watertight. The manhole pipe couplings shall be installed in accordance with all manufacturer instructions. All connections shall match the grade and alignment of the pipe entering and exiting each manhole. Manhole pipe connections shall be constructed so that the wastewater flow through the manhole is not restricted in any way.

3.2 Gravity Service Lines

- A. Gravity service lines shall be constructed in accordance with the City of White Salmon Standard Plans, Standard Specifications, and applicable provisions of the International Plumbing Code (IPC) as amended by the State. The minimum slope of service lines shall be 1/4-inch per foot unless otherwise approved by the City. The pipe size of gravity service lines shall be a minimum 4-inch diameter unless otherwise approved. Dead ends of service lines shall be marked with steel fence posts installed in the ground as shown on the City of White Salmon Standard Plans.
- B. Connection of service lines to new or existing gravity sewer main lines shall be as per the City of White Salmon Standard Plans and shall be inspected and accepted by the City prior to backfilling. All sewer service connections shall be watertight utilizing appropriate sewer service saddles or wyes. An approved tee fitting shall be used when new sewer mains are being installed. All holes and taps into an existing sewer main shall be cut using an approved tapping machine.
- C. In the construction of new sewage collection systems, connection of new services allowing sewage into the system shall not be made until approval for connections has been given by the City. No existing sewer service shall be interrupted without the approval of the City and service owner. Connections of new service lines to existing service lines shall be by the proper adaptor coupling.
- D. The Contractor shall obtain all necessary permits required to construct service lines on private property. The Contractor must utilize a licensed plumber for service line work on private property when required by state or local regulations.

3.3 Gravity Sewer Testing

A. General

The Contractor shall furnish all labor, necessary equipment, and other apparatus including, but not limited to, gauges, mechanical or pneumatic plugs, and air hoses, necessary to properly perform the testing of sewer lines as specified. The Contractor may low pressure test sections of sewer lines before backfilling at his own option; but the acceptance test shall be performed only after backfilling, cleaning, and flushing has been completed.

B. Acceptance Test

The Contractor shall perform all preliminary testing required to determine that the lines to be tested are acceptable and comply with the requirements of this section of the specifications. After the Contractor has determined that the lines will pass the required test, the Contractor shall arrange for an acceptance test to be witnessed by the City's representative. The Contractor shall coordinate the timing of this acceptance test with the City's representative. The lines will not be accepted until the acceptance test has been witnessed and documented as passing.

C. Test Procedure

The method of testing follows the procedures outlined in "Recommended Practice for Low-Pressure Air Testing of Installed Sewer Pipe" published by Uni-Bell PVC Pipe Association, May 1990. Specific questions concerning test procedures may be referred to this publication. To facilitate test verification by the City, all air used shall pass through a single, above-ground control panel. The City shall have the option of requiring the use of a City gauge. Test procedures are summarized below:

1. Field Test

- a. The Contractor may wet the lines prior to testing.
- b. Determine the average height of the groundwater over the line. The test pressures required shall be increased 0.433 psi for each foot of average water depth over the exterior crown of the pipe.
- c. Add air slowly to the section of system being tested until the internal air pressure is raised to 4.0 psig greater than the average back pressure due to groundwater, but no greater than 9.0 psig.
- d. After the test pressure is reached, allow at least two minutes for the air temperature to stabilize adding only the amount of air required to maintain pressure.
- e. After the temperature stabilization period, disconnect the air supply.

- f. Record the time in seconds that is required for the internal air pressure to drop 0.5 psig from 3.5 psig to 3.0 psig greater than the average back pressure due to groundwater.
 - g. If the time shown in Table I (attached at the end of this Standard Specification), for the designated pipe size and length, elapses before the air pressure drops 0.5 psig, the section undergoing test shall have passed. The test may be discontinued once the prescribed time has elapsed even though the 0.5 psig drop has not occurred.
 - h. If the pressure drops 0.5 psig before the appropriate time shown in Table I has elapsed, the air loss rate shall be considered excessive and the section of pipe has failed the test.
 - i. A Q value of 0.0015 cubic feet per minute per square foot shall be utilized to assure the City of quality pipe materials, good workmanship and tight joints.
2. Use the Test Work Sheet at the end of this Standard Specification for reporting test results for each section of sewer line tested.

D. Infiltration Allowance

Groundwater infiltration to the collection system, including manholes, shall not exceed 50 gallons/inch diameter of pipe/mile/day. Any infiltration in excess of this amount shall be corrected at the Contractor's expense.

E. Deflection Test for PVC Pipe

1. All sanitary sewers constructed of PVC pipe shall be able to pass a deflection test. The test shall be conducted by pulling a go-nogo solid pointed mandrel or sewer ball through the completed pipeline. The diameter of the mandrel or ball shall not be less than 95 percent of the base inside pipe diameter as defined by ASTM D3034, SDR 35 and ASTM F679, T-1 pipe. The base inside pipe diameter and minimum mandrel diameter are as follows:

Nominal Pipe Size, In.	Minimum Mandrel Dia., In.	Base Inside Pipe Dia., In.
6"	5.46	5.742
8"	7.28	7.665
10"	9.08	9.568
12"	10.79	11.361
15"	13.2	13.898
18"	16.13	16.97
21"	19	20.004
24"	21.36	22.48

2. All lines shall be tested unless determined otherwise by the City based upon his observations during pipeline installation and visual inspection of the pipeline. Testing shall be conducted on a manhole to manhole basis and shall be done after the line has been completely cleaned and flushed with water. The Contractor shall, at his own expense, locate and repair any sections failing to pass the deflection test. All areas failing the deflection test shall be retested after corrective action has been taken.

F. Equipment

The Contractor shall perform all work and furnish all materials and equipment as required to perform all required tests.

D. TV Inspection

The City reserves the option of TV inspecting the new sewer lines before final acceptance. If the City does TV the pipes and finds areas that are not compliance with the specifications, they will notify the Contractor and require repairs to be made.

1.4 Pressure Sewer Construction

A. Pipeline

1. Pipe shall meet the material specifications contained herein. All work performed in the installation of pressure sewer lines shall be performed as per the applicable portions of subsection "Gravity Sewers-Construction" contained herein, and as required by the manufacturer. When it is necessary to deflect pipe joints to conform to the profile and alignment of the sewage forcemain, the amount of deflection per joint shall not exceed 70 percent of the deflection recommended by the manufacturer.
2. Installation of service line pipe shall be in accordance with the applicable requirements contained herein. Dead ends of service lines shall be marked with steel fence posts installed in the ground as shown on the City of White Salmon Standard Plans.
3. In the construction of new sewage collection systems, connection of new services allowing sewage into the system shall not be made until approval for connections has been given by the City. No existing sewer service shall be interrupted without the approval of the City and service owner.
4. The Contractor shall obtain all necessary permits required to construct service lines on private property.

B. Testing

1. General

The Contractor shall be responsible for determining the length of any given section of line to be tested. It is recommended that the length of line to be tested not be excessive so that the identification of any problem areas can be readily made. It is also recommended that testing follow closely after the pipe installation and backfill.

2. Hydrostatic Testing of Pressure Sewer Lines

- a. Each section of the lines before being placed into service shall be isolated and slowly filled with water. Air should be expelled from the lines through taps made at the high points. The Contractor shall be responsible for making any necessary taps.
- b. All lines shall be pressure tested by the Contractor at 100 psi pressure for one hour. Any cracked or defective pipe or fitting shall be removed and replaced.

3. Leakage Test

- a. Each section of the line before being placed into service shall be tested by the Contractor for leakage for a period of two hours at an average gage pressure of 60 psi. The pressure during the test shall not fall below 40 psi. The allowable leakage is defined by the following equation:

$$L = ND (P)^{0.5} / 7400$$

in which:

L = allowable leakage (gal/hr)

N = number of joints or connections

D = nominal diameter in inches

P = average gage pressure during the test in psi.

- b. Leakage is defined as the quantity of water supplied into the section of line being tested, during and at the end of the test, that quantity being such that the pressure at the end of the test is equal to the pressure at the beginning of the test.
- c. Should any test disclose leakage greater than that specified, the Contractor shall locate and repair the defective joints until the leakage is within the specified allowance.

4. Equipment

The Contractor shall perform and provide all equipment and materials necessary to perform the required test.

3.5 Manhole Construction

A. Installation

1. Manholes shall be constructed to the line, grade and detail as approved by the City. Excavation and backfill of the manhole shall be performed in the same manner as specified in Standard Specifications - "Excavation and Backfill of Trenches," where applicable. Backfill shall be brought up evenly on all sides of the manhole.
2. The manhole base section shall be carefully placed on a prepared base of 6-inch minimum deep crushed rock so as to be fully and uniformly supported in true alignment, and making sure that all entering pipes can be inserted on proper grade.
3. All connections and joints made at manholes shall be watertight. All manholes are to be watertight and any leakage shall be corrected in an approved manner.

B. Testing

1. The Contractor shall be responsible for providing all equipment, labor, and materials necessary for performing manhole testing.
 2. All manholes shall be individually tested to verify their water tightness. Each manhole shall be tested for acceptance after all work has been completed including restoration work. Preliminary testing prior to final acceptance is advised.
 3. The testing shall be by a vacuum test in conformance with ASTM C1244 "Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test." All manholes must be watertight. Any points of leakage must be repaired by the Contractor, even if the manhole passed the vacuum test.
4. The vacuum test shall generally follow the following procedures:
- a. All pipes entering the manhole shall be temporarily plugged, taking care to securely brace the pipes and plugs to prevent them from being drawn into the manhole.
 - b. The test head shall be placed at the top of the manhole in accordance with the manufacturer's recommendations.
 - c. A vacuum of 10 inches of mercury shall be drawn on the manhole, the valve on the vacuum line of the test head closed, and the vacuum pump shut off. The time shall be measured for the vacuum to drop to 9 inches of mercury.

- d. The manhole shall pass if the time for the vacuum reading to drop from 10 inches of mercury to 9 inches of mercury meets or exceeds the values indicated in Table 1.
- e. If the manhole fails the initial test, necessary repairs shall be made by an approved method. The manhole shall then be retested until a satisfactory test is obtained.
- f. The results of the manhole test shall be reported on the "Attachment B - Manhole Test Record" form, a copy of which is located at the end of this section. The Contractor shall complete this form and provide it to the City prior to completion.

TABLE 1 - Minimum Test Times for Various Manhole Diameters

Depth (ft.)	Diameter, inches								
	30	33	36	42	48	54	60	66	72
	Time, Seconds								
≤ 8	11	12	14	17	20	23	26	29	33
10	14	15	18	21	25	29	33	36	41
12	17	18	21	25	30	35	39	43	49
14	20	21	25	30	35	43	46	51	57
16	22	24	39	34	40	46	52	58	67
18	25	27	32	38	45	52	59	65	73
20	28	30	35	42	50	53	65	72	81
22	31	33	39	46	55	64	72	79	89
24	33	36	42	51	59	64	78	87	97
26	36	39	46	55	64	75	85	94	105
28	39	42	49	59	69	81	91	101	113
30	42	45	53	63	74	87	98	108	121

- C. Connection to Existing Manhole
 1. Connections to existing manholes shall be made by the Contractor. All connections shall be made in such a manner as to leave the existing manhole watertight.
 2. All flow lines shall be properly shaped, and all new concrete shall be placed against a clean and sound surface.
 3. An approved epoxy bonding agent shall be used on all existing surfaces to be bonded to new concrete or mortar. All applicable conditions for new manholes described previously shall apply.

3.6 Cleanout Construction

A. Main Line Cleanouts

Main line cleanouts shall be constructed as shown on the City of White Salmon Standard Plans. The select backfill shall be carefully compacted around the cleanout riser pipe to prevent damage or displacement of the pipe.

B. Service Line Cleanouts

Service line cleanouts in public rights-of-way shall be constructed as per the City of White Salmon Standard Plans and approved by the City. Service line cleanouts on private property shall be constructed in accordance with the Uniform Plumbing Code.

C. Testing

Cleanouts shall be tested as a part of the lines to which they are connected.

3.7 Water-Sewer Crossing

- A. Wherever possible, the bottom of new or existing water lines shall be 1.5 feet or more above the top of the sanitary sewer line. The minimum requirements for water-sewer separation set by the Washington State Department of Ecology's criteria for sewage works design shall be met at all times. Where the water line crosses over the sanitary sewer line but with a clearance of less than 1.5 feet, the Contractor shall center one full length of the new sewer pipe at the crossing point. Use PVC pressure pipe, ASTM D2241, SDR 32.5, (125 psi) at the crossing point. Where the water line crosses under the sanitary sewer line, the Contractor shall center one full length of the new sewer pipe at the crossing point.
- B. If the City determines that conditions are not favorable or finds evidence of poor water line condition, the existing water line shall be replaced with a full length of water pipe centered at the crossing point.
- C. When constructing sewer service lines, the City may require the depth of the service lines to be revised in order to eliminate the need for a water-sewer line crossing.

3.8 Locating Wire

- A. A continuous solid copper tracer or locating wire shall be taped along the top of all pressure sewer lines, including service lines. This wire shall be secured to the top of the pipe at maximum 10-foot intervals using 6-inch strips of 2-inch wide duct tape. All splices shall be tied, electrically continuous, and made waterproof.
- B. The location wire shall be brought to the surface at all valve boxes, cleanouts, and terminal line marker fence posts. The wire shall be secured to valve boxes, cleanouts, and posts with stainless steel pipe clamps.
- C. Access to terminal ends of the locating wire shall be made at all manholes, cleanouts, valve boxes, terminal line marker fence posts, and as shown on the City of White Salmon Standard Plans. The result of this installation shall be a continuous wire circuit electrically isolated from ground.

- D. The Contractor shall be responsible for testing continuity and for testing isolation from ground in the wire after all work has been completed on the test section. The Contractor is advised to do intermediate testing on his own after backfilling operations and prior to surface restoration work to be sure continuity is maintained. If there is a break or defect in the wire, it shall be the Contractor's responsibility to locate and repair the defect.
- E. The continuity of the location wire shall be tested from one test load point to the next by use of a temporary wire laid between test points in-line with an ohmmeter. Resistance shall be measured with an approved ohmmeter that has been properly calibrated. The continuity of a test section will be accepted if the resistance of the test section does not exceed 5 ohms per 500 feet of location wire being tested. Isolation from ground shall be measured with a megohm meter and shall be a minimum of 20 megohms for any section of location wire tested.
- F. The City shall witness the acceptance test.

3.9 Marker Posts

The Contractor shall furnish and place 4"x4" pressure treated wood posts at locations shown on the City of White Salmon Standard Plans and as directed by the City to mark the locations of certain manholes and other appurtenances. Posts shall be set solidly in the ground. All posts improperly set shall be reset.

3.10 Cleaning and Flushing of Completed and Tested Sewers

- A. Prior to final inspection of the sewer system by the City, the Contractor shall flush and clean all parts of the system. All accumulated construction debris, rocks, gravel, sand, silt, and other foreign material shall be removed from the sewer system at or near the closest downstream manhole. If necessary, mechanical rodding or bucketing equipment shall be used.
- B. All sewer pipes including gravity sewers, pressure sewer lines, service lines, etc., installed shall be flushed, as thoroughly as possible with the water pressure and outlets available. Flushing shall be done after the pressure test has been made. It must be understood that flushing removes only the lighter solids and cannot be relied upon to remove heavy material allowed to get into the sewers during construction. The Contractor shall provide sufficient water and appropriately sized taps at either end of the line to develop a velocity in the sewers during flushing of at least 2.5 fps.

3.11 Sewer Line Cleaning and Inspection

- A. Necessary Repairs

If in the opinion of the City, after TV inspection, the sewer lines in question require repair and/or replacement to meet the original contract specifications, the Contractor shall be required to perform all necessary repairs and replacement at no cost to the City. It shall be understood that any necessary repairs required will have been the result of poor construction or defective materials.

B. Inspection of Lines

Supplemental to TV inspection shall be the inspection of lines by excavation at suspected joints, etc. If, in the opinion of the City, a line is suspected to have excess infiltration, the City may require the Contractor to excavate down to the joint(s) in question. The Contractor is responsible only for those lines or parts thereof he actually constructed. If any joints or pipes are found to be defective in that portion the Contractor constructed, the Contractor alone shall bear the cost of locating, excavation, and replacing or repairing the defective pipe or joints in a line. If no defects are found in a suspect line, the City shall bear the justifiable costs incurred in the search for infiltration defects.

3.12 Work with Existing Asbestos Cement (A/C) Pipe

- A. When working with A/C pipe, the Contractor shall take all precautions necessary to reduce airborne asbestos during construction.
- B. All work with A/C pipe shall conform with American Water Works Association Publication "Work Practices for Asbestos-Cement Pipe." The Contractor shall cut asbestos cement pipe by using snap cutters only. The use of carbide-tipped cutting blades or high speed, abrasive disks shall not be permitted as a means of cutting A/C pipe. Machining of this pipe shall be done with a manual or power-driven lathe. Hole cutting shall be accomplished with a tapping machine. Use of shell cutters, rasps, chisels, electric drills, right angle sanders, or other high speed abrasive tools shall not be permitted. Dust and cuttings from all work shall be removed by wet mopping.
- C. All waste material shall be collected in a covered container and disposed at a landfill certified by the state or EPA to accept demolition waste.

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SECTION 4 STORM DRAINAGE SYSTEM

PART 1 - GENERAL

1.1 Scope

These Standard Specifications cover the furnishing and installation of gravity storm drain lines, catch basins, manholes, stormwater disposal systems, and miscellaneous appurtenances. The work includes, unless otherwise specified, furnishing all labor, materials, tools, equipment, and incidentals required to construct a complete storm drainage system ready for service as outlined in the City of White Salmon Standard Plans, the General Requirements, and these Standard Specifications.

1.2 Specification References

Specification references made herein for manufactured materials such as pipe, fittings, and manhole rings and covers refer to the current designations for the American Water Works Association (AWWA), the American Society for Testing and Materials (ASTM), or the American Association of State Highway and Transportation Officials (AASHTO), and the Washington State Department of Transportation (WSDOT).

1.3 Catalog Information

Catalog information on all equipment to be installed shall be submitted to the City for approval prior to installation as indicated in the General Requirements, Section E, Materials Submittals.

1.4 Care and Handling of Materials

- A. Adequate precautions shall be taken to prevent damage to pipes, fittings, manhole components, and all other materials used in construction of the storm drainage system. Pipe and other materials during transport shall be secured individually by use of wood spacer blocks or wood crates, or otherwise protected to prevent collision of individual pieces and possible subsequent damage.
- B. All pipe, fittings, and manhole components shall be loaded and unloaded in a manner to prevent shock or damage. Under no circumstances shall such material be dropped. All materials on the ground shall be protected from damage. All pipes, fittings, manhole components, and all other materials used in the construction of the drainage system shall be carefully inspected by the Contractor prior to installation. All defective materials shall be rejected. All materials that are delivered considerably in advance of their installation shall be stored in a satisfactory manner.
- C. Proper materials, tools, and equipment shall be used by the Contractor for safe and convenient prosecution of the work. All pipes, fittings, etc., shall be carefully lowered into the trench piece by piece in such a manner to prevent any damage to the materials. Under no circumstances shall materials be dropped or dumped into the trenches.

1.5 Submittals

The Contractor shall furnish to the City a sworn statement from the manufacturer stating that inspection and all specified tests have been made on the supplied material and that the results thereof comply with appropriate specifications. The statement shall also state that all materials furnished are in accordance with these Standard Specifications, the City of White Salmon Standard Plans, and that all materials are new. The Contractor shall also submit shop drawings for proposed pipe connections to catch basins, area drains, and field inlets as indicated in the General Requirements, Section E, Materials Submittals.

PART 2 - MATERIALS

2.1 Gravity Storm Drains

A. Solid Wall PVC Pipe

Solid wall PVC pipe shall be solid wall construction and shall conform to the requirements of ASTM D3034, SDR 35 for pipe up to 15-inch diameter and ASTM F679, Type 1 only, for pipe sizes 18- to 27-inch diameter. Joints for solid wall PVC pipe shall conform to ASTM D3212 using elastomeric gaskets conforming to ASTM F477.

B. Ductile Iron Pipe

Ductile iron pipe and fittings shall conform to AWWA C150, AWWA C115, AWWA C151, and AWWA C110 and shall be minimum pressure Class 150 unless specified otherwise. All ductile iron pipe shall have a bituminous sealed cement mortar lining conforming to AWWA C104. All joints, unless otherwise specified, shall be push-on rubber gasket joints conforming to AWWA C111.

C. Concrete Pipe

Non-reinforced concrete pipe and fittings shall conform to the specifications of ASTM C14. Reinforced concrete pipe and fittings shall conform to ASTM C76. All joints shall be push-on rubber gasket joints conforming to ASTM C443.

D. HDPE Pipe

Corrugated high density polyethylene pipe and fittings 48 inches and smaller shall conform to AASHTO M-252 and AASHTO M-294 accordingly. Corrugated high density polyethylene pipe and fittings shall have watertight joints and shall be either Hancor "Blue-Seal," or Advance Drainage System "N-12," or equal. All joints for corrugated polyethylene pipe shall be made with a bell/bell or bell and spigot coupling and shall conform to ASTM D3212 using elastomeric gaskets conforming to ASTM F477. All gaskets shall be factory installed on the pipe in accordance with the manufacturer's recommendations.

E. Warning Tape

All warning tape shall be green, approximately 3 inches wide, manufactured of a durable, non-degrading material, and state "Caution Buried Sewer Line Below."

D. Locating Wire

1. A continuous solid copper tracer or locating wire shall be taped along the top of all storm lines. This wire shall be secured to the top of the pipe at maximum 10-foot intervals using 6-inch strips of 2-inch wide duct tape. All splices shall be tied, electrically continuous, and made waterproof.
2. The location wire shall be brought to all boxes, cleanouts.

2.2 Manholes

A. Cast-in-place Base Sections

1. Cast-in-place base sections for manhole construction shall have a minimum 28-day strength of 3,000 psi, unless approved otherwise by the City, and shall meet the requirements shown in the City of White Salmon Standard Plans. All shelf areas shall be uniformly shaped, have a rough float finish, and slightly slope towards the channel. The shelf shall be above the top of the storm drain pipe.
2. The Contractor shall be responsible for the determination of pipe hole orientation and grade.
3. After placement of the concrete for the base, the bottom manhole ring shall be set level into the wet concrete to form a tight seal. The base concrete shall then be properly cured for a minimum of 24 hours before placing the remaining rings and cone.
4. Cast-in-place base sections will only be used where called for specifically by the City.

B. Precast Base Sections

1. Precast base sections shall be approved by the City and shall conform to ASTM C479. Concrete shall be consolidated by mechanical vibration. Reinforcing shall be provided in the base and walls. Minimum concrete thickness shall be as shown on the City of White Salmon Standard Plans.
2. All shelf area shall be uniformly shaped, have a rough float finish, and slightly slope towards the channel. The shelf shall be above the top of the storm drain pipe.
3. The Contractor shall be responsible for the determination of pipe hole orientation and grade.
4. Precast base sections shall be used unless otherwise specifically called for by the City.

C. Precast Manhole Sections

1. Precast manhole sections shall conform to ASTM C478 and consist of circular sections in the standard 48-inch diameter.
2. No more than two lift holes shall be cast into each section. Holes shall be located as to not damage reinforcing or expose it to corrosion. At the manufacturer's option, steel loops may be provided for handling in lieu of lift holes. All lift holes shall be patched after installation.
3. Precast manhole cones shall be eccentric unless otherwise specified and shall meet ASTM C478.
4. Slabs, cones, and ring sections shall be free from fractures, cracks, rock pockets, or exposed reinforcement.

D. Pipe Connections to Manholes

1. All pipe connections to manholes shall be constructed as shown on the City of White Salmon Standard Plans and shall be watertight.
2. For solid wall PVC and ductile iron pipe an A-Lok pipe connector as manufactured by A-Lok Products, Inc., PSC Flexible Connector as manufactured by Press Seal Gasket Corporation, Kor-N-Seal as manufactured by Core and Seal Company, or approved equal shall be used when precast base sections are used.
3. Profile wall PVC and HDPE pipe to manhole connections shall utilize gaskets or fittings in combination with a non-shrink grout to provide a watertight seal and shall be approved by the City. The Contractor shall submit shop drawings for proposed profile wall PVC and HDPE pipe connections to manholes.
4. All connections shall match the grade and alignment of the pipe entering and exiting each manhole. Manhole pipe connections shall be constructed so flow through the manhole is not restricted in any way.

E. Manhole Rings and Covers

1. Manhole rings and covers shall be Olympic Foundry Model MH30A. The cover can have up to three pick holes and the word "storm" shall be printed on the cover.
2. Castings shall be tough, close-grained, gray iron free from blow holes, shrinkage, and cold sheets. They shall conform to ASTM A48 and shall be smooth, sound, clean, and free from blisters and defects.
3. Castings and covers shall be planed and ground when necessary to ensure flat and true surfaces.
4. Covers shall be true and shall seat within the ring at all points.

2.3 Catch Basins

A. Catch Basins

1. Catch basins shall be precast units manufactured in accordance with ASTM C139 and C913.
2. Concrete shall have a compressive strength of 3,000 psi.
3. Reinforcement in precast structures shall be rebar meeting ASTM A615 Grade 60 or welded wire meeting ASTM A497.
4. Precast bases shall be furnished with cutouts or knockouts. Knockouts for pipes shall have a wall thickness of 2 inches minimum and may be located on all four sides.

B. Frames and Grates

1. Catch basin and area drain grates shall be metal castings conforming to the requirements of ASTM A48, Class 30. Castings shall be tough, close-grained, gray iron free from blow holes, shrinkage, and cold sheets. They shall be smooth, sound, clean, and free from blisters and defects. Castings shall be planed and ground when necessary to ensure flat and true surfaces.
2. Catch basin frames shall be hot dip galvanized A36 steel or approved equal.

C. Oil-Water Separators

1. Oil-water separators shall be The Snout by Best Management Products, Inc. (800 504-8008), or approved equal.
2. Oil-water separators shall be constructed of a corrosion resistant material and be equipped with a watertight access port, a mounting flange, and a means to prevent siphons.
3. The size and position of the oil-water separator shall accommodate the outlet pipe size and allow the bottom of the device to be located 6 inches below the pipe invert elevation. The oil-water separator shall be securely attached to the structure wall with an oil-resistant gasket, corrosion resistant hardware, couplings, etc., for a complete installation.

D. Pipe Connection to Catch Basins

1. All pipe connections to precast units shall be watertight.
2. For solid wall PVC and ductile iron pipe, a 1/2-inch pipe gasket stretched over the pipe shall be used in combination with a non-shrink grout to provide a watertight seal.

3. The profile wall PVC and HDPE pipe connection shall utilize gaskets or fittings in combination with a non-shrink grout to provide a watertight seal and shall be approved by the City.

2.4 Culverts

A. Corrugated Steel

Culverts shall be Type 2 corrugated steel pipe and shall be a minimum 14-gauge with 2 2/3-inch x 1/2-inch corrugations. Fabrication of pipe shall conform to AASHTO M-274 and AASHTO M-36 Specifications. Joints shall be made with corrugated steel culvert bands over 3/8-inch neoprene gaskets. Culvert bands shall be 12 inches wide. Welded seam aluminum coated (aluminized) corrugated steel pipe is required with metallized coating applied inside and out following welding.

B. Reinforced Concrete Culvert Pipe

1. Reinforced concrete culvert pipe shall be round and conform to the requirements of AASHTO M-170 except as modified below. Pipes shall be within the maximum and minimum diameters set forth in AASHTO M-170. The wall thickness and steel area for all classes of pipe that are not described in AASHTO M-170 shall be determined by interpolation from data given in the tables for pipes of diameters next smaller and next larger, respectively.
2. For all classes of pipe, except Class I, which are smaller than the minimum size set forth in AASHTO M-170 for the particular class, the minimum wall thickness shall be 1-3/4-inch and the steel area shall not be less than 0.06 square inch per linear foot of pipe barrel length.
3. All bell and spigot concrete culvert pipe shall be joined with rubber gaskets conforming to AASHTO M-198.

2.5 Stormwater Disposal Systems

A. Drain rock shall be Gravel Backfill for Drains per WSDOT Standard Specification (M41-10) 9-03.12(4),

Gravel Backfill for Drywells per WSDOT M41-10 9-03.12(5), or similar products if approved by the City.

B. Geotextile fabrics used to separate the sides and bottoms of trenches from drain rock shall be as per WSDOT M41-10 9-33.2(1), Table 2. The top of all drain rock trenches in traffic areas shall be covered with separation geotextile fabric per WSDOT M41-10 9-33.2(1), Table 3.

C. Drywells shall be precast units meeting the structural requirements for manholes outlined in this Standard Specification. Seepage ports shall be uniformly located on the sides and bottom of the drywell.

2.6 Locating Wire

- A. Locating wire shall be a minimum of 12 awg UF solid copper with green colored insulation. The use of THHN wire will not be acceptable.
- B. At all splices the connecting ends of the wires shall be overlapped and tied. The ends shall be stripped and connected with a wire nut to ensure an electrical connection and made waterproof with an approved silicone splice kit.
- C. Where location wire is to be secured to exterior of manhole cleanouts, valve boxes, etc., stainless steel pipe straps shall be used.
- D. The splice kit shall be King Technology Model 50-566 or approved equal.

PART 3 - EXECUTION

3.1 Existing Utilities

The Contractor shall be responsible for the actual locating and protecting of existing utilities. If a conflict develops between the design line and grade of a pipeline and an existing utility, the City may adjust the pipeline grade or have the existing utility relocated. See the General Requirements for further requirements.

3.2 Restoration, Finishing, and Cleanup

The Contractor shall restore or replace all paved surfaces, graveled surfaces, curbing, sidewalks, trees and shrubbery, lawns, pastures, fences, and other existing facilities to their original condition. See Standard Specification – "Surface Restoration" for specific requirements.

3.3 Installation of Gravity Storm Drains

- A. Trench Excavation and Backfill
Trench excavation and backfill shall be performed as specified in the Standard Specifications - "Excavation and Backfill of Trenches."
- B. Installation of Pipe
 - 1. Gravity storm drain pipe shall be installed in accordance with the best current practices and as required by the manufacturer. Gravity storm drain pipe, unless otherwise approved by the City, shall be laid by progressing upgrade from the existing or newly constructed storm drain; the pipe shall be installed with bell ends laid upgrade unless otherwise approved. Each pipe shall be properly bedded so as to be supported along the full length of the pipe. A suitable foundation shall be achieved by a slight excavation for the bell at each joint.
 - 2. All joints shall be properly lubricated, where required, and installed in accordance with the installation instructions of the pipe manufacturer, taking particular care to avoid pinching or otherwise causing damage to pipe gaskets. All joints shall be free of dirt and

other foreign matter prior to the joining of the next pipe. All joints shall be restrained to prevent creep and misalignment of joints. All pipe shall have a ring painted around the spigot ends in such a manner as to allow field checking of setting depth of pipe in socket.

3. Gravity storm drain main lines shall be installed with the use of a laser beam and target. The City will provide slopes for each line and "cuts" from a hub set at each manhole. A check hub will also be set by the City 100 feet upstream from each manhole for laser checking by the Contractor. The hub will be for grade checking only. Unless the work involves deep excavations, traffic problems, water problems, or other conditions approved by the City, the trench for the first 100 feet shall not be backfilled until the pipe grade has been checked. The Contractor shall set and aim the laser as controlled by the "cuts" and "slopes." Careful attention shall be given to the setting up of the laser and the periodic checking of its aim, etc. All grade checking of the laser shall be the responsibility of the Contractor.
4. Warning tape shall be located above all storm drain piping at 12 to 16 inches below final grade.
5. All pipe shall be installed true to line except when approved otherwise by the City. A tolerance of $\pm 1/4$ -inch deviation from true grade at each joint will be allowed. Extra care shall be given to the installation of storm drain lines at minimum slopes to avoid flat slopes in the line.
6. All foreign matter and gravel shall be removed from the inside of the pipe and fittings before being installed, and the pipe and fittings shall be kept clean during placement. No pipe shall be laid when conditions exist that, in the opinion of the City, are unsuitable for the placing of pipe. All pipe and manholes shall be covered or plugged at night.
7. The contractor may elect, at his own option, to drain or pump groundwater from the trenches into previously placed new storm drain lines as long as adequate disposal is provided. Adequate provisions shall be made by the Contractor for final disposal of the groundwater from trenches as approved by the City. Discharge water into new storm drain lines shall be properly screened to prevent siltation, debris, and/or gravel from entering the receiving waterway. At the termination of dewatering operations, the Contractor shall thoroughly clean the storm drain lines that were used. No storm drain lines will be accepted as completed until being cleaned and until approved by the City.

C. Testing

1. Deflection Test for PVC and HDPE Pipe All storm drains constructed of PVC and HDPE pipe shall be deflection tested not less than 30 days after the trench backfill and compaction has been completed. The test shall be conducted by pulling a go/no-go solid pointed mandrel or sewer ball through the completed pipeline. The diameter of the mandrel or ball shall be 95 percent of the inside pipe diameter. Testing shall be conducted on a catch basin-to-manhole and manhole-to-manhole basis and shall be done after the line has been completely cleaned and flushed with water. The Contractor shall, at his own expense, locate and repair any sections failing to pass the deflection test and retest the section.

2. Equipment

The Contractor shall perform all work and furnish all materials and equipment as required to perform all required tests.

3.4 Manhole Installation and Connections

A. Construction

1. Manholes shall be constructed to the line, grade, and detail as shown on the City of White Salmon Standard Plans and as approved by the City.
2. Excavation and backfill of the manhole shall be performed in the same manner as specified in Standard Specifications - "Excavation and Backfill of Trenches," where applicable. Backfill shall be brought up evenly on all sides of the manhole.
3. The "U" shaped channels in the manhole bases shall be constructed by the use of properly shaped forms.
4. Intersecting flow channels shall have uniform transitions. All channels inside the manhole shall have smooth troweled finishes.

B. Connection to Existing Manhole

1. All flow lines shall be properly shaped, and all new concrete shall be placed against a clean and sound surface.
2. An approved epoxy bonding agent shall be used on all existing surfaces to be bonded to new concrete or mortar.
3. All applicable conditions for new manholes described previously shall apply.

3.5 Catch Basins

- A. Catch basins shall be constructed to the line, grade, and detail as shown on the City of White Salmon Standard Plans and as approved by the City.

- B. Excavation and backfill shall be performed in the same manner as specified in Standard Specifications - "Excavation and Backfill of Trenches," where applicable. Backfill shall be brought up evenly on all sides of the catch basin.
- C. All catch basins, area drains, and field inlets are to be watertight, including all connections and joints, and any leakage shall be corrected in an approved manner.
- D. New Connections
 - 1. All connections shall match the grade and alignment of the pipe entering and exiting each unit. Pipe connections shall be constructed so flow is not restricted in any way.
 - 2. All holes shall be located to provide the design flow line and direction of any pipe entering the catch basin, area drain, or field inlet. After the pipe connection is made and set to grade, the annular space between the pre-cast unit and the pipe shall be cement grouted to permanently set the flow line of the pipe. Non-shrink cement grout shall be used.
- E. Connection to Existing Catch Basins
 - 1. All connections shall be made in such a manner as to leave the existing catch basin watertight. All new concrete shall be placed against a clean and sound surface.
 - 2. An approved epoxy bonding agent shall be used on all existing surfaces to be bonded to new concrete or mortar.
 - 3. All applicable conditions for new catch basins described previously shall apply.

3.6 Culverts

Culverts shall be bedded and backfilled uniformly on both sides of the pipe at the same time to prevent displacement or buckling of the pipe. Bedding material shall be worked carefully under the pipe haunches and then compacted. Bedding and backfill material shall consist of select native material free of particle sizes greater than 1-1/2-inch in diameter.

3.7 Stormwater Disposal Systems

- A. All Stormwater disposal systems shall be designed by an engineer licensed in the state of Washington. Stormwater disposal structures shall include drainfields, drywells, swales, detention ponds, or other devices used to dispose of stormwater on site. Each design shall be unique to the particular site and shall include all advance exploration necessary to design a

properly functioning stormwater disposal system.

- B. Stormwater disposal systems shall be designed to meet the following minimum requirements:
 - 1. Store 100 percent of a 25-year, 1-hour storm event
 - 2. Percolate 100 percent of a 25-year, 24-hour storm event in 18 hours or less
 - 3. Percolate 100 percent of a 100-year, 24-hour storm event in less than 24 hours.
 - 4. If significant damage is likely to occur to public or private facilities when the storm event exceeds the design criteria or in the event of a system failure, the design engineer shall incorporate design features to minimize damage to neighboring facilities.
- C. The minimum guidelines for injection wells outlined in the Department of Ecology's Stormwater Management Manual for Eastern Washington shall be maintained. Current regulations require that the lowest elevation of any portion of an injection well shall maintain a minimum separation of 5 feet from groundwater.
- D. Infiltration Ponds shall be designed to meet the minimum requirements outlined in the Department of Ecology's Stormwater Management Manual for Eastern Washington. Ponds shall be designed with a minimum of one foot of freeboard from the rim or overflow of the infiltration pond to the maximum ponding level. The bottom of all ponds shall be lined with free draining aggregate and planted with low growing vegetation that will not plug the aggregate.
- E. A complete design including design calculations shall be submitted to the City for approval. The design and design calculations shall be consistent with one of the methods outlined in the Washington State Department of Transportation Hydraulics Manual or the Washington State Department of Ecology Stormwater Management Manual for Eastern Washington.

3.8 Cleaning and Flushing of Completed and Tested Storm Drains

- A. Prior to final inspection of the storm drain system by the City, the Contractor shall flush and clean all parts of the system. All accumulated construction debris, rocks, gravel, sand, silt, and other foreign material shall be removed from the system at or near the closest downstream manhole. If necessary, mechanical rodding or bucketing equipment shall be used.
- C. All storm drain pipes, manholes, and catch basins installed shall be flushed as thoroughly as possible. It must be understood that flushing removes only the lighter solids and cannot be relied upon to remove heavy material allowed to get into the pipes during construction. The Contractor shall provide sufficient water and appropriately sized taps to develop a velocity in the pipes during flushing of at least 2.5 fps.

3.9 Environmental Protection of Catch Basins

The Contractor shall provide below inlet grate devices (filters) at each catch basin. The filters shall be in place during the Contractor's work to prevent sediment from entering the catch basins and shall be maintained until the risk of sediment entering the catch basin from construction activities on the site no

longer exists. When all work is complete, the filters shall be removed by the Contractor.

3.10 Locating Wire

- A. A continuous solid copper tracer or locating wire shall be taped along the top of all storm drainage piping. This wire shall be secured to the top of the pipe at maximum 10-foot intervals using 6-inch strips of 2-inch wide duct tape. All splices shall be tied, electrically continuous, and made waterproof.
- B. The location wire shall be brought to the surface at all catch basins, manholes, outfalls, and terminal line marker fence posts. The wire shall be secured to catch basin, manholes, and posts with stainless steel pipe clamps or other City approved methods.
- C. Access to terminal ends of the locating wire shall be made at all manholes, catch basins, terminal line marker fence posts, and as shown on the City of White Salmon Standard Plans or approved by the City. The result of this installation shall be a continuous wire circuit electrically isolated from ground.

SECTION 5

CONCRETE CURB AND GUTTER, SIDEWALK, AND DRIVEWAY TRANSITIONS

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PART 1 - GENERAL

1.1 Scope of Work

- A. This work shall consist of the construction of Portland Cement concrete curb, curb and gutter, sidewalk, steps, and driveway and alley approaches. They shall be constructed in accordance with the General Requirements and the City of White Salmon Standard Plans.
- B. Work and materials shall conform with the general practices outlined in the Standard Specifications for Road, Bridge, and Municipal Construction - current edition, Washington State Department of Transportation.
- C. Samples of all materials must be submitted to the City for approval, as required in Section E, Materials Submittals, of the General Requirements, prior to incorporation into the work.

PART 2 - MATERIALS

2.1 Concrete Characteristics

Portland Cement concrete for all structures shall have a minimum 28-day strength of 4,000 psi. The material used shall meet current WSDOT or ACI standards. The maximum slump shall not exceed 4 1/2 inches and the air content shall be between 4.0 and 7.0 percent. The mix design shall be provided to the City for review.

2.2 Pre-molded Joint Filler

Pre-molded joint filler for use in expansion (through) joints shall be asphalt-impregnated cane fiber and shall conform to ASTM D1751. The thickness shall be 3/8 inch or match existing adjacent expansion joints.

2.3 Base Aggregate

- A. The base rock used under any of the structures listed in this section of these Standard Specifications shall conform with the requirements of Section 9-03.9(3), of the Standard Specifications for Road, Bridge, and Municipal Construction - current edition (M41-10), Washington State Department of Transportation (WSDOT), and shall be Crushed Surfacing Top Course.
- B. Crushed surfacing will be applied at the following compacted thickness:
 - Concrete Curb and Gutter – 4 inch minimum
 - Sidewalks and Wheelchair Ramps – 4 inch minimum
 - Driveway and Alley Approaches – 6 inch minimum

PART 3 - EXECUTION

3.1 Earthwork

Excavation shall be made to the required depths and to a width that will permit the installation and bracing of forms. All soft and unsuitable material shall be removed from the subgrade and replaced with suitable material. The top 6 inches of any cut section and the full depth of any embankment shall be compacted to a minimum of 90 percent of the standard density as determined by Section 2-03.3(14)D of the WSDOT Standard Specifications (M41-10).

3.2 Base Aggregate

The base aggregate shall be placed as shown on the City of White Salmon Standard Plans and shall be compacted to 95 percent of the standard density as determined by Section 2-03.3(14)D of the WSDOT M41-10.

3.3 Forms

Forms shall be wood or metal and shall extend for the full depth of the concrete. All forms shall be straight, free from ways, and of sufficient strength to resist the pressure of the concrete without springing. Bracing and staking of forms shall be such that the forms remain in both horizontal and vertical alignment until their removal.

3.4 General Placement and Finishing

- A. All work shall be done in conformance to the Standard Specifications for Road, Bridge, and Municipal Construction - current edition, Washington State Department of Transportation.
- B. All concrete shall be placed before the initial set has occurred and unless otherwise authorized by the City. It shall be placed within 1-1/2 hours after water has been added to the mix. The temperature of the concrete at placement shall not be below 50°F or exceed 90°F unless approved otherwise by the City.
- C. The concrete shall be placed on a moist base and deposited as close as possible to its final location and to its required depth. Movement of the concrete horizontally with a vibrator will not be allowed.
- D. Once the concrete has been placed, it shall be struck off to the proper elevation using a straightedge and sawing motion. A smooth surface shall be provided after the concrete has been straight edged by the use of a bull float or Darbie. A wooden bull float shall be used unless the Contractor can show that a magnesium bull float does not seal in the bleed water.
- E. Bull floating shall occur immediately after striking off and before bleed water accumulates on the surface. Bull floating shall be done in such a manner that the surface is not sealed, so bleed water is not trapped below the surface. Care shall be taken not to overwork the surface. The use of a jitterbug or tamper will not be allowed unless approved by the City. Initial edging shall be performed with a wide edger, again in a manner that will avoid sealing the surface.

- F. The concrete shall be allowed to sit until the bleeding has stopped and after the concrete is firm enough to permit a man to walk on the surface leaving footprints no more than 1/4-inch deep. After the waiting period, the concrete may be floated and finished as required.

3.5 Curing

- A. All work shall be done in conformance to the Standard Specifications for Road, Bridge, and Municipal Construction – current edition, Washington State Department of Transportation.
- B. The Contractor shall submit a proposed method of curing to the City prior to placement of any concrete.

3.6 Restrictions Due to Weather

All work shall conform to the Standard Specifications for Road, Bridge, and Municipal Construction – current edition, Washington State Department of Transportation.

A. Cold Weather

- 1. Concrete placement in cold weather (50°F or less) will be permitted only under conditions that shall meet the approval of the City.
- 2. Salts, chemicals, or other foreign materials shall not be mixed with the concrete to prevent freezing, unless such use is authorized by the City in writing.
- 3. All concrete shall be effectively protected from frost action for a period of five days after placement. Upon notice from the City, all concrete that may have become damaged by frost action shall be replaced by the Contractor at his own expense.

B. Hot Weather

- 1. For concrete placed during extremely hot weather (air temperature exceeding 95°F), the aggregate shall be cooled by frequent spraying in such a manner as to utilize the cooling effect of evaporation.
- 2. Curing compound shall be applied as directed by the City.
- 4. The mixing water shall be the coolest available at the site insofar as is practical.

C. Low Humidity/Wind

- 1. Pouring of concrete during periods of low humidity (below 50 percent) and/or windy conditions should be avoided when feasible and economically possible, particularly when large surface areas need to be finished.
- 2. In any event, surfaces exposed to the drying wind shall be covered up immediately after finishing with polyethylene sheets and be water cured continuously as soon as the

concrete has set up.

3.7 Backfill

- A. After the concrete has reached sufficient strength, the space in back of structures shall be backfilled to the required elevation with the proper material, which shall be compacted to a non-yielding condition.
- B. When the entire project has been finished, any damaged structure sections shall be repaired or replaced at no additional cost to the City.

3.8 Curb and Curb and Gutter

A. General

- 1. Concrete curb and curb and gutter shall be constructed in accordance with these Standard Specifications and the City of White Salmon Standard Plans. They can be constructed with forms or with a curbing machine meeting the requirements of these Standard Specifications.
- 2. Curbs located on vertical or horizontal curves shall be constructed to result in a smooth curve.

B. Curbing Machine

- 1. The machine for extruding Portland Cement concrete curb shall be of the self-propelled type equipped with a material hopper, distributing screw, and adjustable curb forming devices capable of placing and compacting Portland Cement concrete to the lines, grades, and cross sections as shown in an even, homogeneous manner.
- 2. A grade line gauge or pointer shall be attached to the machine in such a manner that a continual comparison can be made between the curb being placed and the established curb grade as indicated by the offset guideline.

C. Placement and Finishing

- 1. The top and face of finished curb and curb and gutter shall be true and straight, and the top surface of curb shall be of uniform width free from humps, sags, honeycombs, or other irregularities.
- 2. When a straightedge 6 feet long is laid on the top face of the curb or on the surface of the gutter, the surface shall not vary more than 0.02 feet from the edge of the straightedge except at grade changes or vertical curves.
- 3. The Contractor shall construct all curb and gutter within 0.02 feet of true line, within 0.02 feet of established surface grade, cross section, and slope, and within 0.02 feet of specified thickness.

4. When the curbing machine is used, the Contractor shall feed the concrete into the extruding machine at a uniform rate and operate the machine under sufficient restraint in a forward motion to produce a well compacted mass of concrete.
5. All exposed surfaces of the curb or curb and gutter shall be floated, followed by a light brush finish.
6. If forms are used, they shall be removed after the concrete has taken its initial set and while the concrete is still green enough to finish.
7. Minor defects shall be repaired with mortar containing one part Portland Cement and two parts sand. Honeycombed, slumped, and other structurally defective concrete shall be removed and replaced.
8. All exposed formed surfaces shall receive a rubbed finish utilizing a Carborundum brick or other abrasive until a uniform color and texture is produced.

D. Joints

1. Expansion Joints

- a. Expansion joints shall be provided opposite abutting expansion joints, at the end of curved sections, at connections to existing curbs, adjacent to any structure, and at a minimum spacing of 50 feet.
- b. The width of joints and thicknesses of filler shall match those of the joints and abutting or underlying concrete; elsewhere the filler thickness shall be 3/8 inch.
- c. Each expansion joint shall be at right angles to the structure alignment, vertical to the structure surface, and provide complete separation of new cement concrete.

2. Transverse Contraction Joints

- a. Transverse contraction joints of the weakened plane or dummy type shall be formed in the exposed surfaces opposite contraction joints in abutting Portland Cement concrete and at other locations in the new curb as required to confine the contraction joint spacing to a maximum of 10 feet. The joints shall be formed by grooving, by insertion and removal of plates or other devices, by insertion and leaving in place of preformed bituminous filler, or by sawing.
- b. Contraction joints shall be 3/16-inch in width and a minimum depth of 1/4 of the thickness of the concrete. The edges of joints shall be tooled, unfilled grooves, and shall be clean and neat. Joint filler shall be even and flush with the surface of the concrete.
- c. If the joints are constructed by sawing, the sawing shall be performed as soon as

practical after pouring and prior to the occurrence of any shrinkage cracking.

3.9 Sidewalk and Driveway and Alley Approaches

A. General

Concrete sidewalks shall be constructed in accordance with these Standard Specifications and the City of White Salmon Standard Plans.

B. Placement and Finishing

1. Before the concrete is given the final finishing, the surface of the sidewalk shall be checked with a 10-foot straightedge; any irregularities of more than 1/4-inch in 10 feet shall be eliminated.
2. Edges, including those of expansion joints, shall be rounded with an approved finishing tool.
3. The final surface of the concrete shall receive a medium to coarse cross brooming finish so as to provide a granular or matte texture that will not be slick when wet.
4. Cross brooming shall be transverse to the length of the sidewalk and approaches.

C. Joints

1. Expansion Joints

- a. Expansion joints shall be provided opposite abutting expansion joints, at the end of curved sections, at all corners other than those 90 degrees, at connections to existing sidewalks, adjacent to any structure, and as shown on the City of White Salmon Standard Plans. Unless otherwise directed by the City, expansion joints are required every 50 feet along the length of sidewalks.
- b. The width of the joints and thickness of the filler shall match those of the joints and abutting or underlying concrete; elsewhere, the thickness shall be 3/8 inch.
- c. Each expansion joint shall be at right angles to the structure alignment, vertical to the structure surface, and provide complete separation.

2. Transverse Contraction Joints

- a. Transverse contraction joints are required every 5 feet along the length of sidewalks.
- b. The joints between sections shall be formed by steel templates 1/8-inch in thickness or sawn in with a concrete saw after initial set of the concrete to a minimum depth of 1/4 the thickness of the concrete. Joints shall be at right angles to the alignment.

3.10 Steps

A. General

Steps shall be constructed in accordance with these Standard Specifications and as directed by the City.

B. Placement and Finishing

1. All edges shall be rounded with an approved finishing tool. All horizontal surface of the step shall receive burlap or cross-brooming finish to provide a granular or matte texture which will not be slick when wet.
2. After the forms are removed and while the concrete is still green, the vertical surfaces shall be finished.
3. Minor defects shall be repaired with a mortar containing one part Portland Cement and two parts sand. Honeycombed, slumped, and other structurally defective concrete shall be removed and replaced at no expense to the City.
4. All vertical surfaces shall receive a rubbed finish utilizing a Carborundum brick or other abrasive until a uniform color and texture is produced.

3.11 Reinforcing Bars

- A. Mild steel reinforcing bars shall be furnished, cut, bent, and placed as indicated by the City and to the methods of practice in the Standard Specifications for Road, Bridge, and Municipal Construction – current edition, Washington State Department of Transportation.
- B. At the time of placing concrete, all reinforcement shall be free from loose mill scale, rust, grease, or other coating that might destroy or reduce its bond with concrete. Steel reinforcement not placed in the work shall be stored under cover to prevent rusting and shall be placed on blocking so no steel touches any ground surfaces.
- C. Reinforcing steel shall be in position before concrete placement is begun. All reinforcing steel shall be tied together and supported in such a manner that displacement during placing of concrete will not occur.

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PART 1 - GENERAL

1.1 Scope

- A. The Contractor shall perform all work and furnish all materials to restore the work area including any gravel, asphalt, concrete, lawn, fences, or any other surfaces or items damaged or disturbed by his construction operation. Surface restoration shall follow as closely as possible the backfill and compaction of excavations. The work must also conform to the City of White Salmon Standard Plans and the General Requirements.
- B. Items specified in this Standard Specification are intended to be broad in scope and may not always apply to all items of work to be constructed. All applicable sections, as determined by the City, shall control the Contractor's work.

1.2 Submittals

Samples of all materials must be submitted to the City for approval, as required in Section E, Materials Submittals of the General Requirements, prior to incorporation into the work.

PART 2 - MATERIALS

2.1 Crushed Surfacing

Gravel aggregate shall substantially conform to current standards for crushed surfacing top course or base course, as specified in the Standard Specifications for Road, Bridge, and Municipal Construction (M41-10) -

current edition, Washington State Department of Transportation (WSDOT) or as otherwise approved by the City.

The intent is to specify a gravel which is suitable for use in the restoration of areas disturbed by the Contractor's work and as a base rock under Asphalt Concrete and Portland Cement Concrete, or for use on the shoulders of roads and on parking strips.

2.2 Hot Mixed Asphalt

Hot mix asphalt shall be a Commercial Cl. 1/2-In., PG 64-28 conforming to the Standard Specifications for Road, Bridge, and Municipal Construction - current edition, Washington State Department of Transportation for asphalt concrete pavement, or as specified otherwise. The Contractor shall submit for review by the City data on the asphalt concrete mix to be used. Data shall include aggregates, gradation and tolerances, aggregate suitability, asphalt concrete, mix proportions and tolerances, etc. Design ESAL's for the HMA mix design shall be 0.8 million unless otherwise specified by the City.

2.3 Portland Cement Concrete

Portland Cement concrete for all structures shall have a minimum 28-day strength of 4,000 psi. The material used shall meet current WSDOT or ACI standards. The maximum slump shall not exceed 4 1/2 inches and the air content shall be between 4.0 and 7.0 percent. The mix design shall be provided to the City for review.

2.4 Seed

A. Lawn Seed

Lawn seed shall be a blend of fescue and bluegrass typically used in the area and of the type to match existing lawn areas, and must be approved by the City prior to use.

B. Pasture Seed

Pasture seed shall be a mixture of orchard grass, rye grass, and fescue, native to the area and must be approved by the City prior to use.

2.5 Fertilizer

Inorganic fertilizer shall be commercially available 22-16-8 with 22 percent nitrogen, 16 percent available phosphoric acid, 8 percent soluble potash, and a minimum of 2 percent sulfur, or as approved by the City.

2.6 Topsoil

Topsoil shall be native to the area and shall be approved by the City prior to use.

2.7 Mulch

All mulch shall be straw that has been air dried and seasoned before baling or loading. It shall be free of noxious weeds and other materials detrimental to grass growth.

2.8 Sod

A. Sod shall be 100 percent Kentucky Blue Grass or other types as approved by the City.

B. The sod shall be grown on agricultural land that is cultivated specifically for turf sod. The sod shall be free of weeds, diseases, nematodes, and insects. All sod shall be mature and not less than 10 months old. All sod shall be machine cut to a uniform thickness of 5/8-inch or more, excluding top growth and thatch. The seed mixture must be approved by the City prior to use.

2.9 Hydroseed

A. The hydroseed shall be a specifically designed hydromulch consisting of cellulose fiber, fertilizers, seed, tackifier, etc...

B. The hydromulch shall be specifically processed cellulose fiber containing no growth or germination inhibiting factors. It shall be manufactured in such a manner that, after addition and agitation in slurry tanks with water, the fibers in the material become uniformly suspended to form a homogenous slurry. When sprayed on the ground, the material shall allow absorption and percolation of moisture. Each package of cellulose fiber shall be marked by the manufacturer to show the air dry weight and content.

- C. The fertilizer shall be a complete plant food containing slow release nitrogen, phosphoric acid, and potash in the amounts of 22-16-8. It shall be delivered in uniform composition and be dry and free flowing and delivered in the original unopened containers bearing the manufacturer's guaranteed analysis.
- D. The grass seed shall be certified, blue tagged, cleaned, and delivered in original unopened packages bearing an analysis of the contents. It shall be guaranteed 95 percent pure and have a minimum germination rate of 85 percent within 1 year of test. The seed shall be as agreed upon by the City. The seed shall be applied at a minimum rate of 7 pounds per 1,000 square feet.

2.10 Hot Asphalt-Rubber Joint Sealant

Hot asphalt-rubber joint sealant shall be Roadsaver 221 as manufactured by Crafcro, Inc., or equal.

PART 3 - EXECUTION

3.1 Gravel Surface Restoration

- A. In gravel streets, parking areas, or driveways disturbed by the work, the Contractor shall resurface the areas to the minimum compacted depth specified on the Standard Plans with crushed surfacing top course or base course, as required by the City.
- B. The resurfacing aggregate shall be compacted to 95 percent of the standard density as determined by the requirements of Section 2-03.3(14)D of the WSDOT M41-10.

3.2 Asphalt Street Restoration and Asphalt Parking-Driveway Restoration

- A. Existing asphalt surfaces shall be saw cut on each side of the excavation to provide a vertical, neat, straight-line joint in the surface. Should any asphalt surface be undermined or damaged during construction, the undermined or damaged asphalt shall be similarly saw cut and removed prior to backfill.
- B. Backfill shall be made in accordance with Standard Specifications - "Excavation and Backfill of Trenches."
- C. The crushed surfacing top course under the asphalt pavement shall be replaced to a compacted depth of 8 inches, unless specified otherwise. The crushed surfacing shall be compacted to 95 percent of the standard density as determined by the requirements of Section 2-03.3(14)D of the WSDOT Standard Specifications.
- D. Immediately following backfill and compaction, and until the asphalt concrete is replaced, the crushed surfacing shall be placed and compacted flush with the existing asphalt surface and maintained in a good condition.
- E. In areas of heavy traffic, highway crossings, etc., a temporary cold-mix patch shall be placed and maintained until asphalt surface restoration is accomplished. The cold-mix asphalt concrete

delivered to the project shall be fresh and workable.

- F. Just prior to placing the asphalt concrete, the base rock course and any temporary patch shall be excavated to the depth equal to that of the asphalt concrete to be placed.

G. Placement of Hot Mix Asphalt

1. Hot mix asphalt for all areas, except in the State Highway, shall be of the thickness shown in the City of White Salmon Standard Plans, unless specified otherwise by the City.
2. The restoration of asphalt concrete pavement in the State Highway shall be performed as described on State Highway Crossing Permits.
3. Hot mix asphalt shall be compacted with a steel-wheeled roller and compacted to a minimum of 91 percent of the maximum density as determined by ASTM D2041.
4. Prior to placing the asphalt concrete, an asphalt tack coat shall be applied to the edges of the existing asphalt. An asphalt tack coat shall also be used between lifts should the Contractor elect to patch with multiple lifts. The Contractor shall utilize a paving machine, spreader box, or other approved mechanical equipment to place the asphalt concrete material. No lift of asphalt placed shall have a compacted thickness of less than 1.5 inches or greater than 3.5 inches. The finished asphalt surface shall be flush with the existing surface, uniform in appearance equal to or better than the existing pavement, and shall provide a smooth ride.

3.3 Concrete Sidewalk and Curb Restoration

- A. Existing concrete surfaces shall be saw cut on each side of the excavation to provide a vertical, straight-line joint in the surface. Should any concrete surface be undermined or damaged during construction, the undermined or damaged concrete shall be similarly cut and removed prior to backfill.
- B. Backfill shall be made in accordance with Standard Specifications - "Excavation and Backfill of Trenches."
- C. Crushed surfacing shall be placed on the prepared subgrade. The base rock shall be compacted to 95 percent of the standard density as determined by the requirements of Section 2-03.3(14)D of the WSDOT Standard Specifications.
- D. Any forms used shall be wood or metal and shall be straight and provide a smooth surface. They shall be suitably braced to prevent movement during placement. Joints shall be placed per the City of White Salmon Standard Plans or as directed by the City. The placement and curing of the concrete shall conform to the Standard Specifications for Road, Bridge, and Municipal Construction - current edition, Washington State Department of Transportation. The concrete thickness, section, finish, configuration, etc. shall be per the City of White Salmon Standard Plans.

3.4 General Surface Restoration

A. General

1. The Contractor shall replace or restore, equivalent to their original condition, all surfaces, trees and shrubbery, lawns, agriculture area, pastures and fences, or other existing facilities disturbed by his work unless otherwise specified. Restoration and cleanup shall be a continuing operation and shall be diligently pursued until completed. Surface restoration shall be completed as soon as possible after the underground work is complete.
2. All surplus material, rock and debris, and temporary structures, as well as excess excavation, shall be removed by the Contractor and the entire site of Contractor's operations shall be left in a neat and clean condition.
3. Lawns and pastures in private easement shall be restored to a smooth condition and reseeded with a like mixture of grass unless specified otherwise by the City. When backfilling trenches in private easements, unless otherwise specified, Contractor shall replace topsoil to minimum 1-foot depth or to a depth equal to the original depth, whichever is less. Lawn sod shall be utilized where required by the City.

B. Agricultural Areas

1. Where called for by the City, the existing top soils in the excavation area shall be removed and stockpiled at a separate location from the general excavation material. This topsoil shall not be mixed or contaminated with any other materials.
2. Upon completion of the excavation and after all rocks and unsuitable material have been removed from the work area, the stockpiled topsoil shall be replaced and graded to match the existing ground.

C. Seeding

1. All areas to be seeded shall have a minimum of 6 inches of topsoil.
2. After the backfilling and compaction have been completed, the top 2 inches of the topsoil shall be scarified to provide a good seed bed and the area seeded, fertilized, compacted with a weighted roller, a straw mulch applied, and the initial watering completed.
3. All additional watering of the grass seed shall be the responsibility of the property owners.
4. Unless required otherwise, the seed shall be applied at a minimum rate of 7 pounds per 1,000 square feet, the fertilizer at 10 pounds per 1,000 square feet, and the mulch at a rate needed to provide a minimum mulch thickness of 1 inch.

3.5 Lawn Sod Restoration

A. Preparation of Areas

1. Cultivate the existing ground so the soil is loose and friable for at least a 6-inch depth and suitable for fine grading. Remove vegetative matter, rocks, clods, roots, sticks, debris, and other matter detrimental to the germination and growth of sod from the areas to be sodded.
2. Spread soil amendments and fertilizers evenly over the sod bed at the rates specified below, then thoroughly till into the upper 4 inches of the soil.
3. After tilling, fine-grade and roll the area to provide a fine-textured, smooth, firm surface, free of any undulations or irregularities.
4. The finish grade of the sod bed shall be 1 inch below the finish grade of the walks. Rates of applications shall be as follows:

Material	Rate Per 1,000 Sq. Ft.
Soil Conditioner	6Cu. Yds. (2" Depth)
Fertilizer: 22-16-8	10 Lbs.

B. Planting Season

Perform the work only when local weather and other conditions are favorable to bed preparation and placing of sod. Do not place sod before March 15 or after September 30.

C. Placing Sod

1. Do not place sod until it has been approved. Immediately before placing sod, water the bed to prevent drying of grass roots.
2. Lay the first row in a straight line and place subsequent rows parallel to and tightly against each other. Stagger lateral joints. Do not stretch or overlap the sod. Tightly butt all joints. Do not use sod segments containing less than 2 square feet of surface area, broken, torn, or uneven pieces.
3. After placing sod, diagonally roll and thoroughly water. Apply a second application of fertilizer (22-16-8) at the rate specified for preparation of areas and thoroughly water.

D. Sod Lawn Establishment

1. The establishment period for sod lawn begins after placing of sod in an area is completed. The establishment period will be at least two weeks and ends when accepted by the City. During the established period, adequately water all lawn areas. Keep mowed to a height of 1-1/2 to 2 inches.

2. Do not attempt the first mowing until the sod is firmly rooted and secure in place. Remove no more than 1/3 of the grass leaf during initial or subsequent cuttings.
3. Acceptance of sod lawn will be contingent on the grass being uniform in color, density, and height.

3.6 Hydroseeding

A. Application Rates.

Hydroseeding shall be placed at the following application rates unless otherwise approved by the City.

Material	Application Rat
Mulch	2,000 pounds per acre
Fertilizer: 22-16-8	Lawn 430 pounds per acre
	Dryland Grass 50 pounds per acre
Tackifier	20 pounds per acre
Seed	7 pounds per 1,000 square feet
Wood Cellulose Fiber Tracer	< 250 pounds per acre

- B. Seeding shall not be done during windy weather or when the ground is excessively wet or otherwise un-tillable. Seed will be placed with an approved hydroseeder which utilizes water as the carrying agent, and maintains continuous agitation through paddle blades. Hydroseeding will only be allowed from late September to mid-November unless otherwise approved by the City.
- C. Hydroseeder
 1. Hydroseeder shall have an operating capacity sufficient to agitate, suspend and mix into a homogenous slurry, and the specified amount of seed and water or other material.
 2. Distribution and discharge lines shall be large enough to prevent stoppage and shall be equipped with a set of hydraulic spray nozzles which will provide a uniform distribution of the slurry.
- D. Seed and fertilizer may be applied in one application provided the fertilizer is placed in the hydroseeder tank no more than 30 minutes prior to application. The seed shall have a tracer added to aid uniform application. This tracer shall not be harmful to plant and animal life.
- E. The Contractor shall remove mulch material which falls on plants, roadways, gravel shoulders, structures, areas where mulching is not specified, or which collects at the ends of culverts or accumulates to excessive depths, as directed.

SECTION 7
ROAD WORK

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PART 1 - GENERAL

1.1 Scope

These specifications cover the construction of streets and roadways.

1.2 Submittals

Test results of all materials, and a WSDOT approved Hot Mix Asphalt design must be submitted to the City for approval, as required in Section E, Materials Submittals of the General Requirements, prior to incorporation into the work. In place test results shall also be submitted.

PART 2 - MATERIALS

2.1 Aggregates

All aggregates shall conform to the material requirements as described in the current Washington State Department of Transportation (WSDOT) Standard Specifications for Road, Bridge, and Municipal Construction (M41-10).

Surface aggregates shall be crushed surfacing top course. Aggregate under pavement, curbs, sidewalks, and driveways shall be crushed surfacing top course and/or crushed surfacing base course as referenced on the Standard Plans.

2.2 Hot Mixed Asphalt (HMA)

HMA shall be Class 1/2-In., PG 64-28, and shall be designed for no less than 0.8 million ESAL's, unless otherwise required by or approved by the City. All materials incorporated into the HMA shall conform to the material requirements as described in the current WSDOT M41-10..

2.3 Pavement Markings

Temporary marking materials, glass beads, and paints for pavement markings shall conform to the material requirements as described in the current WSDOT M41-10.

2.4 Construction Geosynthetics

Construction geosynthetics shall conform to the material requirements as described in the current WSDOT M41-10.. The applicable table shall be specified based on the intended use and need.

Part 3 Excavation

3.1 Clearing and Grubbing

All areas to be surfaced shall be cleared and grubbed. All organic material shall be completely removed and disposed of in accordance with federal, state, and local regulations.

3.2 Roadway Excavation

Areas to be surfaced shall be excavated to the lines and grades designated on the approved plans. Excess material shall be hauled off site and disposed of in accordance with federal, state, and local regulations. When rock or other hard material is encountered at subgrade elevation, it shall be excavated the full width of the roadbed to at least 6 inches below subgrade and backfilled with crushed gravel or common borrow material. Any soft or uncompactable material found shall also be removed and replaced with compactable, free draining material. After the subgrade is cut to grade it shall be compacted to 90 percent of standard density as determined by Section 2-03.3(14)D of the M41-10.

3.3 Embankment

Areas on which embankments are to be constructed shall be cleared and grubbed and all organic material removed. The subgrade shall be compacted to 90 percent of maximum density. Embankments shall be constructed in accordance with Section 2-03.3(14) Method B, of the current WSDOT M41-10.

3.4 Crushed Surfacing

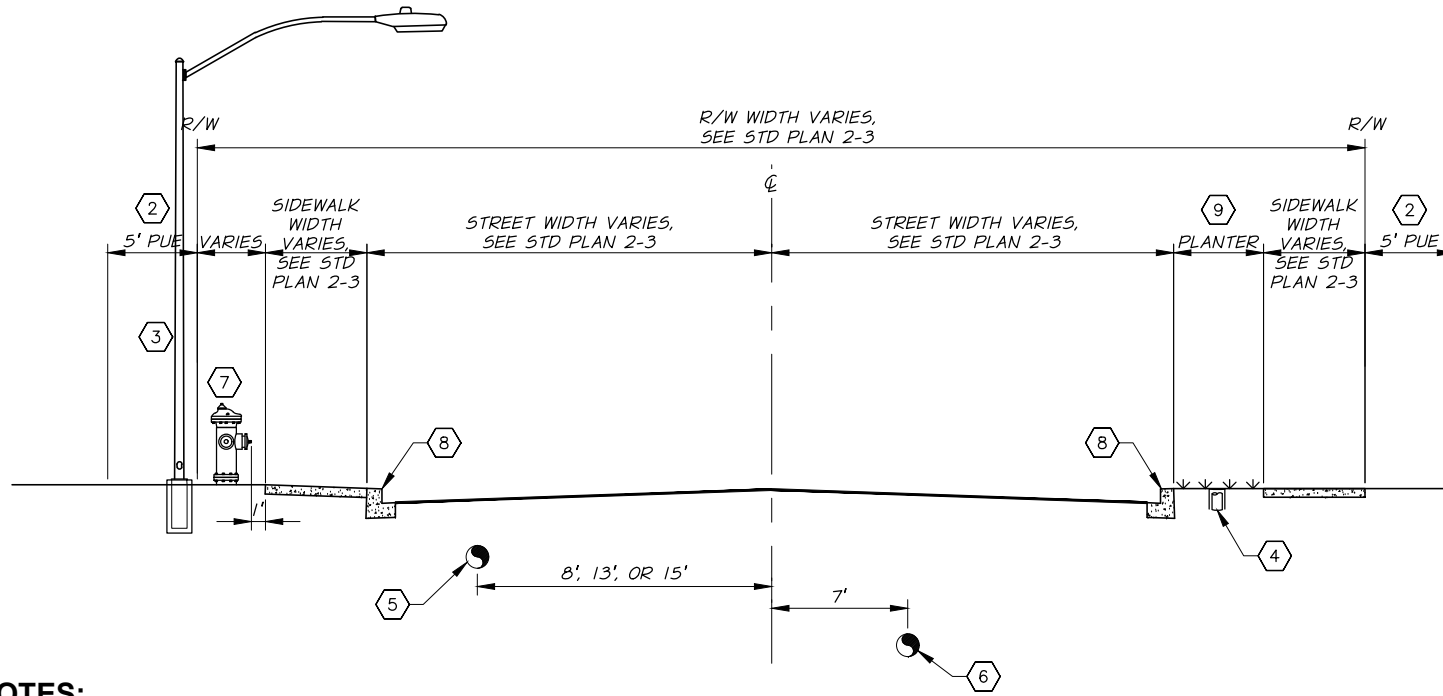
The subgrade shall be properly prepared, tested, and approved by the City of White Salmon prior to the placement of any surfacing materials. Each layer surfacing shall be properly shaped and compacted to at least 95 percent of maximum density as determined by Section 2-03.3(14)D of the WSDOT M41-10 .

3.5 Hot Mix Asphalt (HMA)

HMA shall be placed and compacted in accordance with Section 5-04 of the current WSDOT M41-10. Any HMA placed in travel lanes that fails to meet the acceptance criteria for nonstatistical evaluation may be rejected by the City. Corrective action required for HMA not meeting the specifications will be at the sole discretion of the City. All HMA testing required shall be performed by an independent contractor and submitted to the City.

3.6 Testing

All materials testing shall be performed at the frequency and method specified in the WSDOT Construction Manual and WSDOT M41-10 for the various materials used. Testing shall be performed by a company certified to perform the required test methods and procedures.



GENERAL NOTES:

- 1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES IN AND AROUND THE WORK AREAS. THE CONTRACTOR IS REQUIRED TO CALL THE ONE CALL LOCATE NUMBER A MINIMUM OF 48 HOURS PRIOR TO DIGGING WITHIN THE CITY RIGHT-OF-WAY. THE ONE CALL LOCATE NUMBER IS 1-800-424-5555 OR 811.
- 2 PRIVATE UTILITIES SHALL BE LOCATED IN A 5 FOOT WIDE PRIVATE UTILITY EASEMENT (PUE) IN ALL NEW DEVELOPMENTS. THE TRENCH FOR THE PRIVATE UTILITIES SHALL BE AS REQUIRED BY THE PRIVATE UTILITY AND THE CITY. THE LOCATION OF PRIVATE UTILITIES WHERE NO PUE EXISTS SHALL BE AS DETERMINED BY THE PRIVATE UTILITY COMPANIES AND THE CITY.
- 3 STREET LIGHT MODELS AND SPACING SHALL BE AS APPROVED BY THE CITY. STREET LIGHTS SHALL BE INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS.
- 4 WATER METERS SHALL BE INSTALLED +/- 5 FEET FROM LOT CORNERS WHEN PRACTICAL. WATER METERS SHALL BE INSTALLED 1 FOOT BEHIND THE SIDEWALK IN THE PUE WHEN NO PLANTER STRIP IS REQUIRED, AND SHALL BE CENTERED IN THE PLANTER STRIP WHEN A PLANTER STRIP IS REQUIRED OR PRESENT. WATER METERS SHALL NOT BE LOCATED IN DRIVEWAYS. SEWER SERVICES SHALL BE INSTALLED 10-FEET TOWARD THE CENTER OF THE LOT FROM THE WATER SERVICE.
- 5 WATER LINES TYPICALLY SHALL BE INSTALLED ON THE NORTH OR WEST SIDE OF THE STREET, AND SHALL BE INSTALLED PARALLEL TO AND AT THE FOLLOWING DISTANCES FROM THE RIGHT OF WAY CENTERLINE: 15 FEET FOR ARTERIAL AND COMMERCIAL/INDUSTRIAL STREETS, 13 FEET FOR COLLECTOR STREETS, AND 8 FEET FOR LOCAL STREETS. WHEN CONFLICTS OCCUR, ALTERNATE LOCATIONS MAY BE APPROVED THE CITY PROVIDED THAT A MINIMUM SEPARATION OF 3 FEET IS MAINTAINED BETWEEN THE CURB AND WATERLINE.
- 6 SANITARY SEWER LINES TYPICALLY SHALL BE INSTALLED ON THE SOUTH OR EAST SIDE OF THE STREET AND SHALL BE INSTALLED PARALLEL TO AND 7 FEET FROM THE RIGHT OF WAY CENTERLINE. WHEN CONFLICTS OCCUR, ALTERNATE LOCATIONS MAY BE APPROVED THE CITY PROVIDED THAT A MINIMUM SEPARATION OF 3 FEET IS MAINTAINED BETWEEN THE CURB AND SEWER LINE.
- 7 FIRE HYDRANTS SHALL BE INSTALLED AT LOCATIONS AND SPACING APPROVED BY THE CITY.
- 8 AT ALL LOCATIONS WHERE WATER OR SEWER LINES OR SERVICES CROSS UNDER THE CURB, A "W" FOR WATER AND A "S" FOR SEWER SHALL BE STAMPED ON THE FACE OF THE CURB.
- 9 WHEN REQUIRED BY THE CITY, PLANTER STRIP(S) SHALL BE INSTALLED BETWEEN THE CURB AND SIDEWALK ON ONE OR BOTH SIDES OF THE STREET. THE MINIMUM PLANTER STRIP WIDTH SHALL BE 5 FEET.

**CITY OF
WHITE SALMON**

STREET UTILITY LOCATIONS

NTS

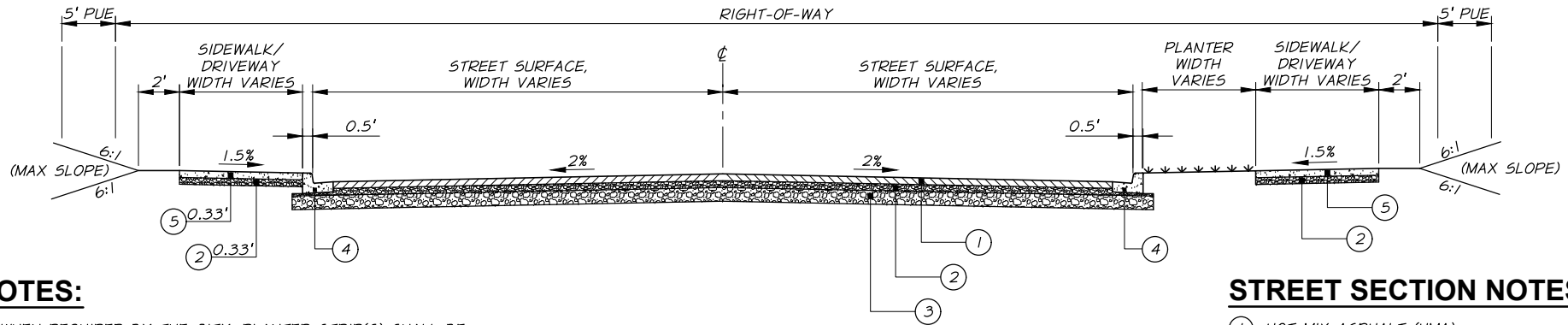
AUGUST 2022
REVISION DATE

**STANDARD
PLAN**

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NOTES:

1. WHEN REQUIRED BY THE CITY, PLANTER STRIP(S) SHALL BE INSTALLED BETWEEN THE CURB AND SIDEWALK ON ONE OR BOTH SIDES OF THE STREET. THE MINIMUM PLANTER STRIP WIDTH SHALL BE 5 FEET.
2. HMA AND CRUSHED SURFACING THICKNESSES SHOWN ARE MINIMUMS. TRAFFIC OR SITE CONDITIONS MAY REQUIRE ADDITIONAL THICKNESSES.
3. SITE CONDITIONS MAY REQUIRE THAT GEOTEXTILE FABRIC BE PLACED BETWEEN THE CRUSHED SURFACING AND SUBGRADE.

TYPICAL STREET SECTION

NTS

STREET SECTION NOTES

- ① HOT MIX ASPHALT (HMA)
- ② CRUSHED SURFACING TOP COURSE (CSTC)
- ③ CRUSHED SURFACING BASE COURSE (CSBC)
- ④ CEMENT CONCRETE CURB AND GUTTER
- ⑤ CEMENT CONCRETE SIDEWALK/DRIVEWAY

TYPICAL STREET SECTIONS TABLE

TYPE OF STREET	MINIMUM RIGHT-OF-WAY WIDTH	SURFACE WIDTH CURB TO CURB	MAXIMUM GRADE	HMA DEPTH NON-TRUCK ROUTE	HMA DEPTH TRUCK ROUTE	CSTC DEPTH	CSBC DEPTH	SIDEWALK LOCATION WIDTH
ARTERIAL	60'	40'	12%	4"	5"	4"	8"	BOTH SIDES 8' MIN
NEIGHBORHOOD COLLECTOR	50'	30'	15%	4"	5"	4"	8"	BOTH SIDES 5' MIN
RESIDENTIAL OR LOCAL ACCESS	40'	20'	16%	3"		4"	4"	BOTH SIDES 5' MIN
INDUSTRIAL	60'	40'	12%		5"	4"	8"	NONE REQ'D
COMMERCIAL	60'	40'	12%	4"	5"	4"	8"	BOTH SIDES 8' MIN
ALLEY-ONE WAY	20'	12'	16%	3"	4"	4"	4"	NONE
ALLEY-TWO WAY	20'	18'	16%	3"	4"	4"	4"	NONE
CUL-DE-SAC	50' RADIUS	38' RADIUS	12%	3"		4"	4"	BOTH SIDES 5' MIN

**CITY OF
WHITE SALMON**

TYPICAL STREET SECTION

NTS

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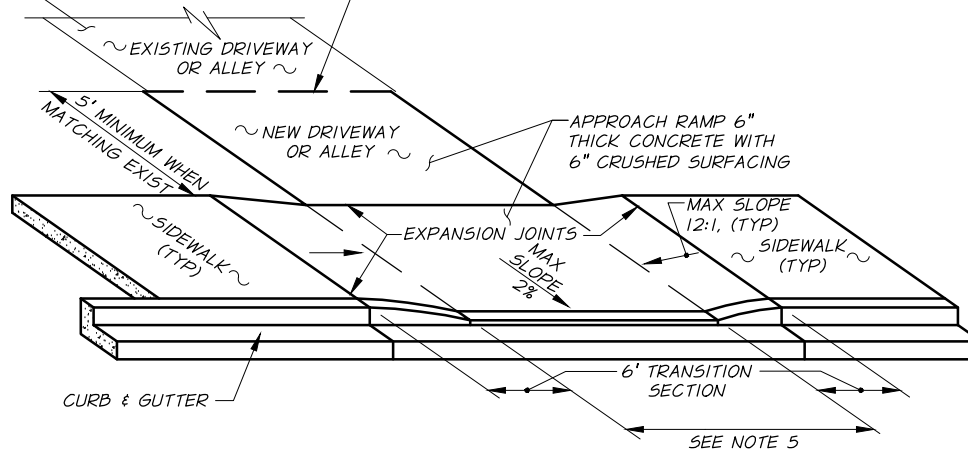
**STANDARD
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1-2

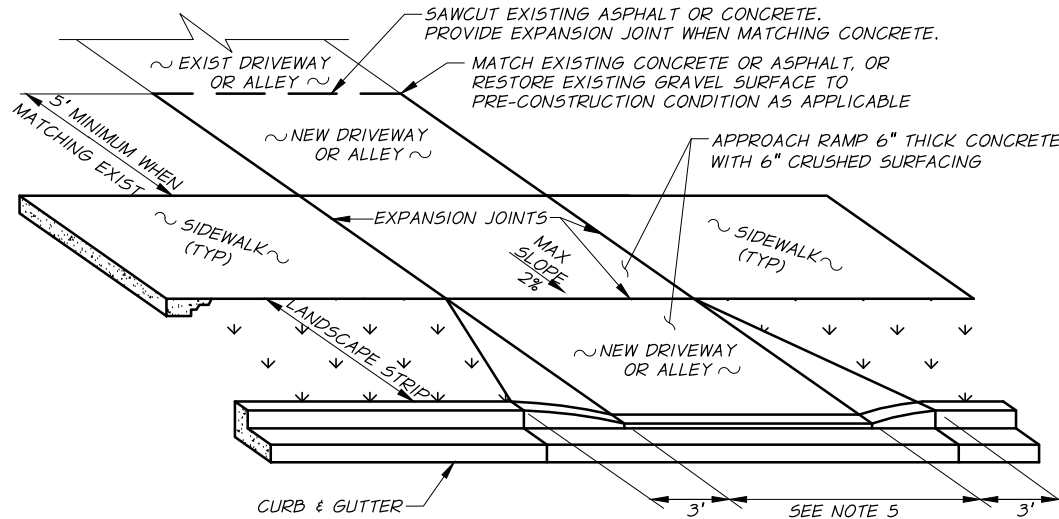
PAGE 1-1

MATCH EXISTING CONCRETE OR ASPHALT, OR RESTORE EXISTING GRAVEL SURFACE TO PRE-CONSTRUCTION CONDITION AS APPLICABLE

SAWCUT EXISTING ASPHALT OR CONCRETE. PROVIDE EXPANSION JOINT WHEN MATCHING CONCRETE.



DRIVEWAY/ALLEY APPROACH WITH ATTACHED SIDEWALK



DRIVEWAY/ALLEY APPROACH WITH DETACHED SIDEWALK

NOTES:

1. WHERE THE DRIVEWAY EXCEEDS 12' IN WIDTH, A CONTRACTION JOINT SHALL BE PLACED LONGITUDINALLY ALONG THE CENTERLINE OF THE DRIVEWAY.
2. NO MONOLITHIC POURS ARE ALLOWED. SIDEWALKS, CURB AND GUTTER, AND DRIVEWAYS SHALL BE POURED SEPARATELY WITH EXPANSION JOINTS AS NOTED.
3. THICKNESS SHALL BE 6" FOR ALL DRIVEWAY AND ALLEY APPROACHES, WITH 4000 PSI CONCRETE. 6" CRUSHED SURFACING TOP COURSE SHALL BE PLACED UNDER CONCRETE.
4. FINISH SHALL BE LIGHT BROOMED.
5. RESIDENTIAL DRIVEWAYS SHALL BE A MINIMUM OF 10' AND A MAXIMUM OF 20' IN WIDTH. COMMERCIAL DRIVEWAYS SHALL BE A MINIMUM OF 10' AND A MAXIMUM OF 40' IN WIDTH. ALLEY APPROACHES SHALL BE A MINIMUM OF 12' AND A MAXIMUM OF 18' IN WIDTH.

**CITY OF
WHITE SALMON**

CONCRETE DRIVEWAY AND ALLEY APPROACH

NTS

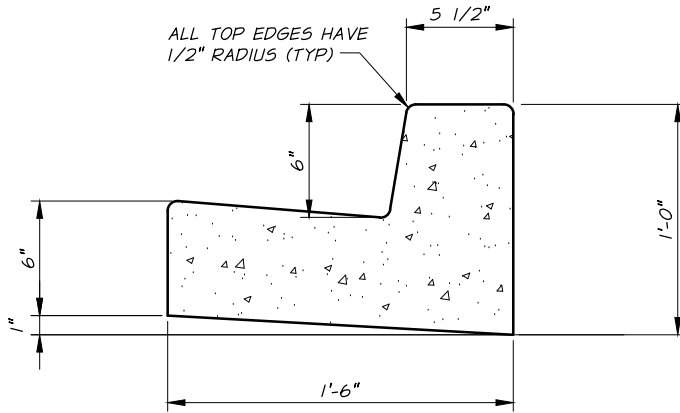
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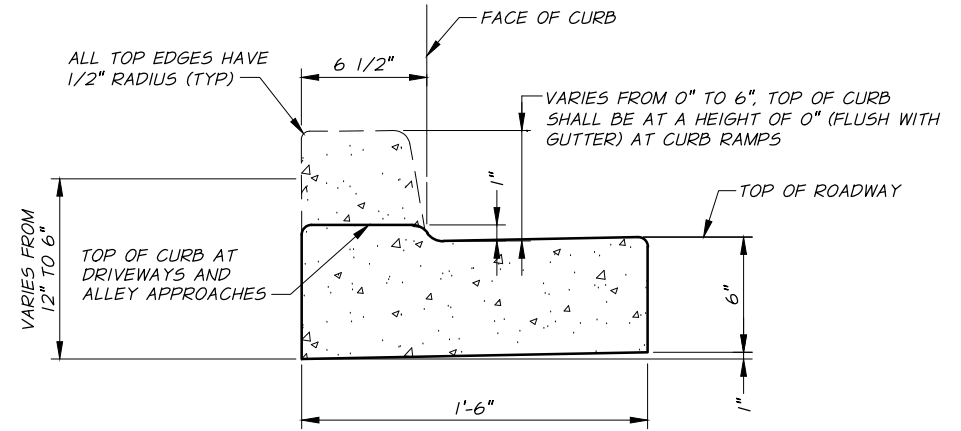
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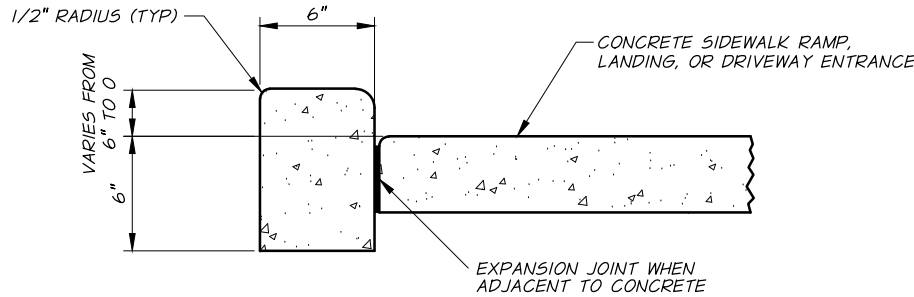
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CURB & GUTTER



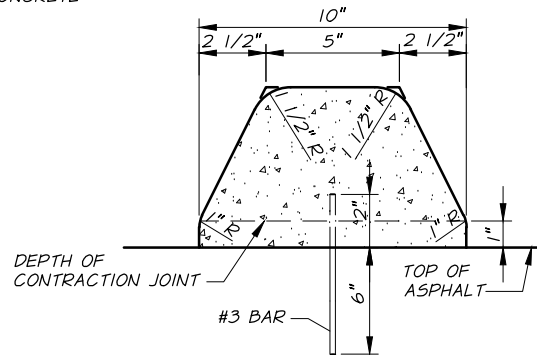
**DEPRESSED CURB SECTION
AT DRIVEWAY AND ALLEY ENTRANCES**



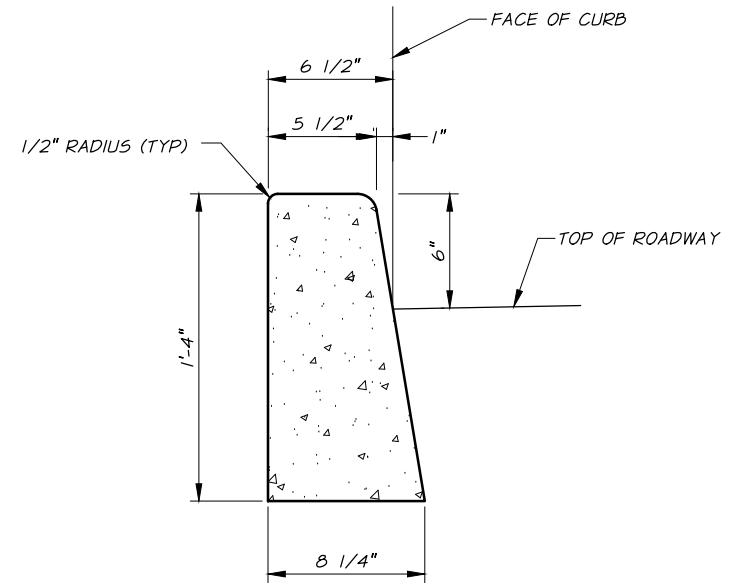
PEDESTRIAN CURB

NOTES:

1. CURB CONTRACTION JOINT SHALL BE CONSTRUCTED AT 10' ON CENTER, AND AT CHANGES IN DIRECTION AND GRADE.
2. CURB EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM OF 50' ON CENTER.
3. ALL CURBS, CURBS AND GUTTERS SHALL BE PLACED ON A MINIMUM OF 6" CRUSHED SURFACING.



EXTRUDED CONCRETE CURB



TRAFFIC CURB

**CITY OF
WHITE SALMON**

CONCRETE CURBS AND CURB & GUTTER

NTS

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PLAN**

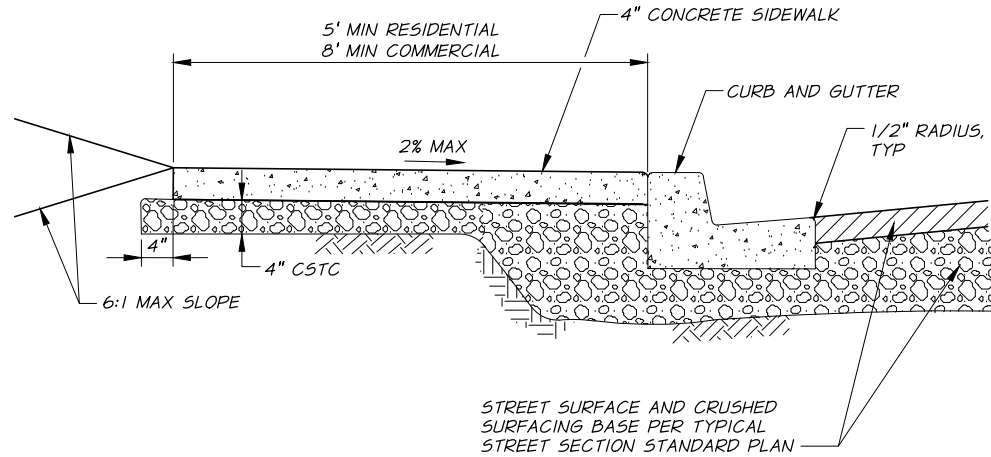
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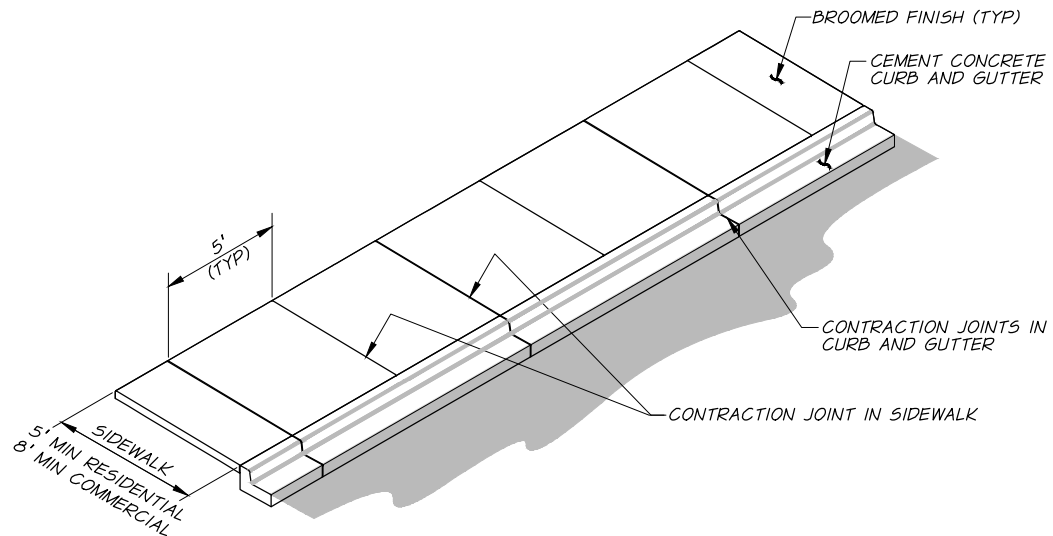
88

NOTES:

1. FINISH SHALL BE LIGHT BROOM.
2. ALL RETRO FIT WORK SHALL BE SAWCUT SMOOTH AND EVEN AT THE CURB, SIDEWALK, AND GUTTER EDGES.
3. CURB & GUTTER, DRIVEWAY & SIDEWALK SHALL NOT BE POURED AS ONE SECTION.
4. IN AREAS WHERE SIDEWALK IS ADJACENT TO SLOPES THAT MAY CAUSE MATERIAL TO ERODE ONTO THE SIDEWALK, INSTALL A CONCRETE PEDESTRIAN CURB PER STANDARD PLAN 2-5 AT THE BACK OF THE SIDEWALK.
5. CONSTRUCTION/EXCAVATION SHOULD BE LIMITED TO 1' FROM EDGE OF SIDEWALK, WHEREVER POSSIBLE TO REDUCE THE AMOUNT OF LANDSCAPE AND GENERAL SURFACE RESTORATION.
6. ATTACHED SIDEWALK DETAILS SHOWN. DETACHED SIDEWALK SHALL BE CONSTRUCTED IN SAME MANNER AS ATTACHED SIDEWALK.
7. SIDEWALK CONTRACTION JOINTS SHALL BE CONSTRUCTED AT 5' ON CENTER. EXPANSION JOINTS SHALL BE CONSTRUCTED AT A MAXIMUM OF 50' ON CENTER AND SHALL MATCH CURB CONTRACTION JOINTS WHEN SIDEWALK IS ADJACENT TO THE CURB.



SIDEWALK DETAIL



JOINT AND FINISH DETAIL

**CITY OF
WHITE SALMON**

CONCRETE SIDEWALK

NTS

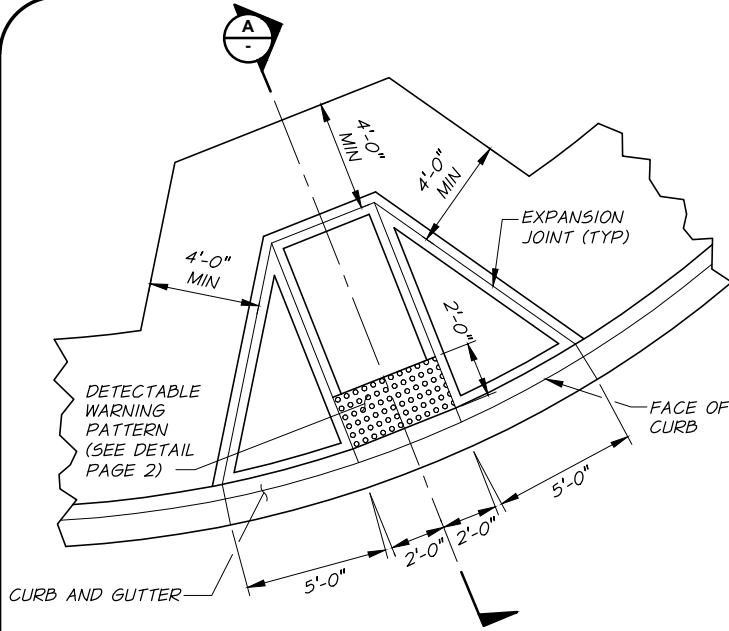
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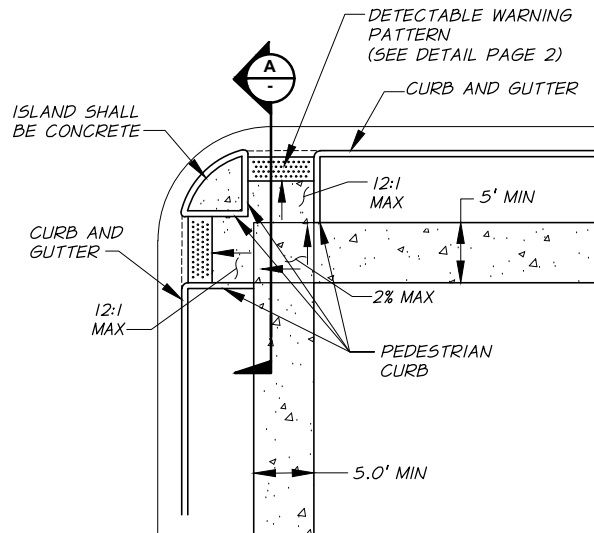
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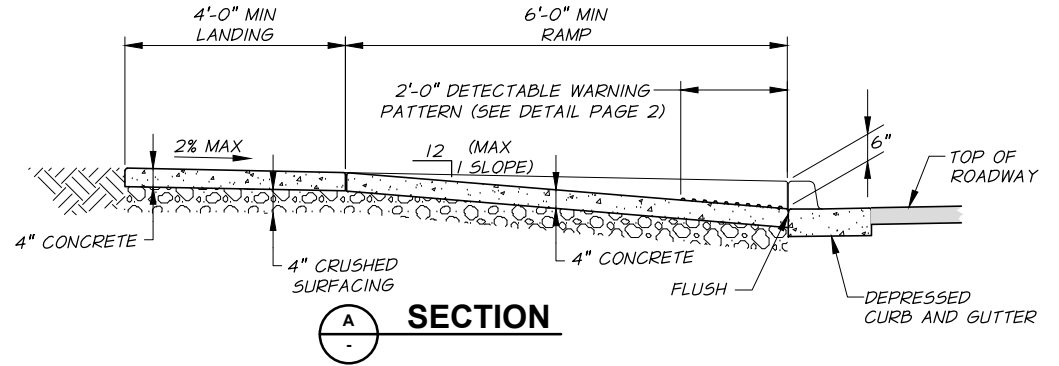
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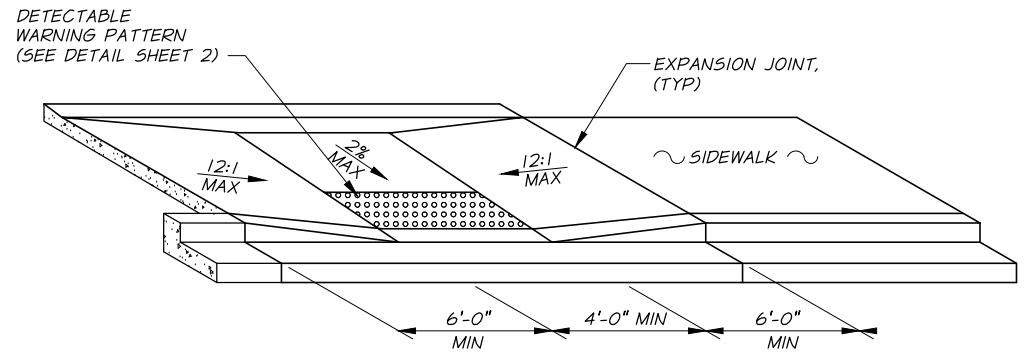
CURB RAMP TYPE 1



CURB RAMP TYPE 3



SECTION



CURB RAMP TYPE 2

NOTES:

1. THE BOTTOM OF THE RAMP SHALL HAVE A 4'x4' LEVEL AREA (NOT IN EXCESS OF 2% IN ANY DIRECTION).
2. RAMP SLOPES SHALL NOT BE STEEPER THAN 12H:1V.
3. TO THE MAXIMUM EXTENT FEASIBLE, RAMP CROSS SLOPES SHALL NOT EXCEED 2%.
4. AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES, OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
5. THE TYPE OF CURB RAMP SHALL BE CHOSEN TO BEST FIT THE INSTALLATION LOCATION AND SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION.

**CITY OF
WHITE SALMON**

CONCRETE CURB RAMPS

NTS

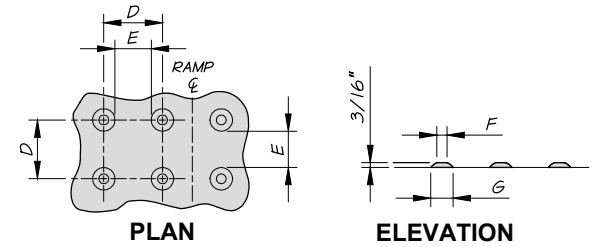
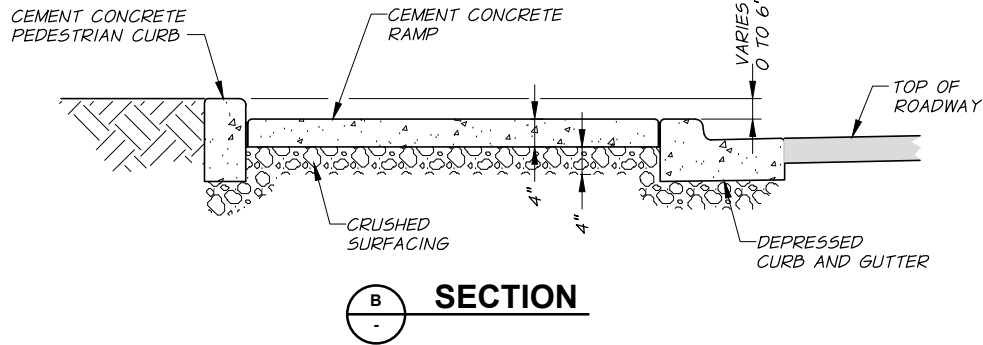
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PLAN**

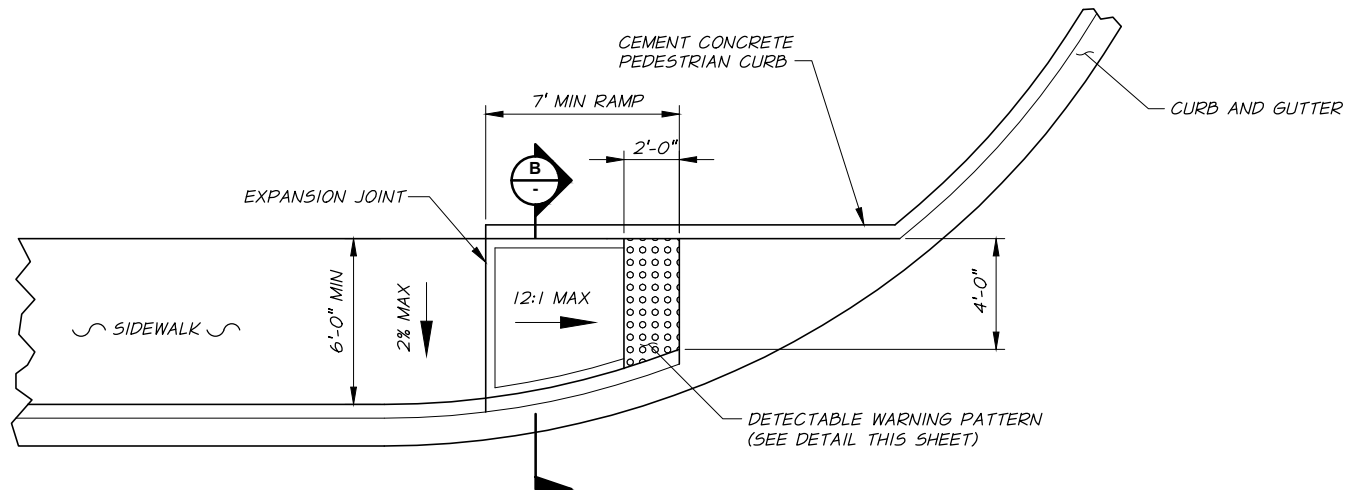
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**DETECTABLE WARNING
PATTERN DETAIL**



**CITY OF
WHITE SALMON**

CONCRETE CURB RAMPS
NTS

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REVISION DATE

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PLAN**

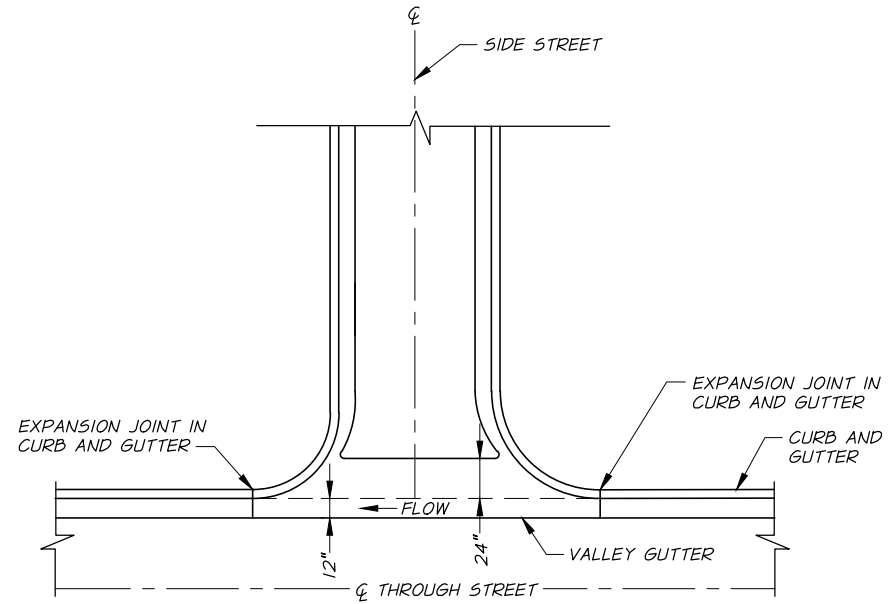
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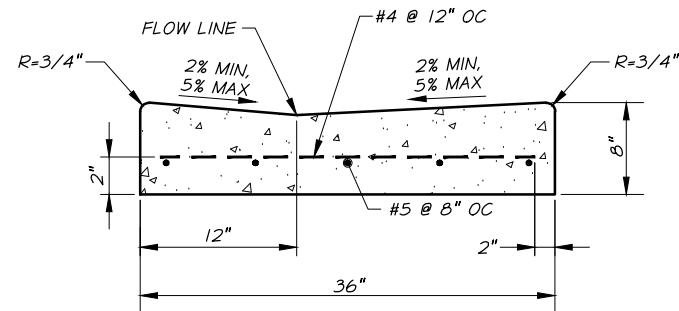
91

NOTES:

1. CONCRETE VALLEY GUTTER SHALL BE PLACED ON A MINIMUM OF 6" CRUSHED SURFACING.
2. FLOW LINE OF CONCRETE VALLEY GUTTER SHALL MATCH FLOW LINE OF CURB AND GUTTER.
3. CONCRETE VALLEY GUTTER SHALL ONLY BE CONSTRUCTED AT LOCATIONS APPROVED BY THE CITY.



PLAN



CROSS SECTION

**CITY OF
WHITE SALMON**

CONCRETE VALLEY GUTTER
NTS

AUGUST 2022
REVISION DATE

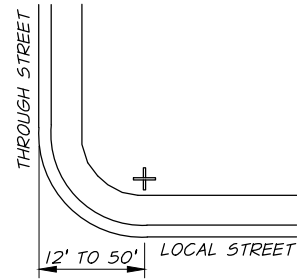
**STANDARD
PLAN**

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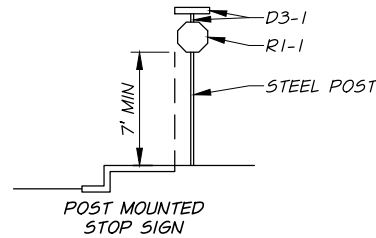
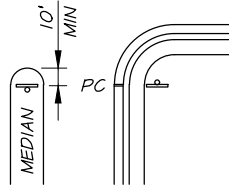
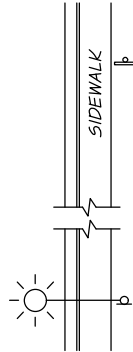
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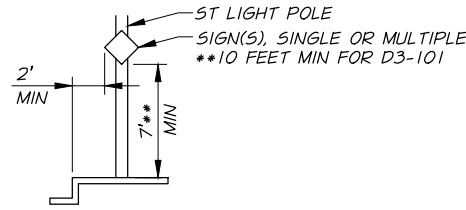
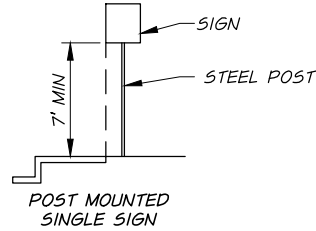
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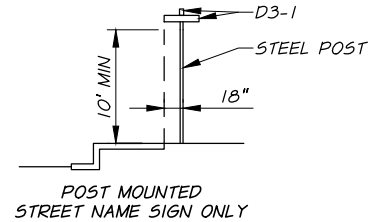
TYPICAL PLACEMENT



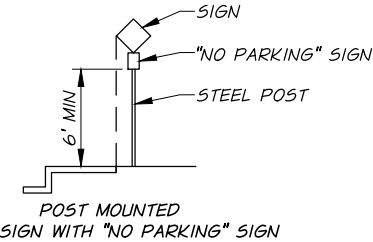
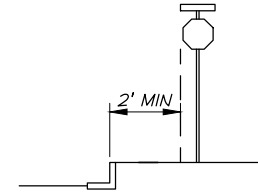
CORNER INSTALLATION



MID-BLOCK INSTALLATION



INSTALLATION ADJACENT TO CURB



STANDARD SIGNS

SIGN	TYPE	SIZE
R1-1	STOP	30"x30"
R1-2	YIELD	30"x30"x30"
R2-1	SPEED	24"x30"
R8-3a	NO PARKING SYMBOL	12"x12"
D3-1	STREET NAME SIGN WITH BLOCK NUMBER	6"x VARIES

NOTES:

1. SIGNS TO BE INSTALLED BACK OF SIDEWALK AND EDGE OF SIGN TO BE EVEN WITH BACK OF SIDEWALK UNLESS OTHERWISE APPROVED BY THE CITY.
2. IN AREAS WITHOUT A SIDEWALK, EDGE OF SIGN TO BE 2' FROM FACE OF CURB.
3. SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND WSDOT "SIGN FABRICATION MANUAL". THEY SHALL BE THE STANDARD SIZE AND LETTERING APPROPRIATE FOR CONVENTIONAL URBAN AREAS UNLESS OTHERWISE NOTED. STREET NAME LETTER SIZE SHALL BE AS PER MUTCD TABLE 2D-2.
4. ALL SIGN PLAQUES SHALL BE MADE OF ALUMINUM AND HAVE A MINIMUM THICKNESS OF 0.08 INCHES. ANY SIGN WITH A DIMENSION OVER 30" SHALL HAVE A MINIMUM THICKNESS OF 0.125 INCHES.
5. BOLTS, NUTS, RIVETS AND METAL WASHERS SHALL BE GALVANIZED OR CADMIUM PLATE STEEL. INSTALL A FLAT WASHER, OF SAME DIAMETER, BEHIND RIVET ON THE SIGN FACE FOR STABILITY.
6. POSTS SHALL CONFORM TO CITY STD PLAN 1-7 PAGE 3.
7. REFLECTIVE SHEETING SHALL BE AS A MINIMUM 3M DIAMOND GRADE DG3 SERIES 4000 UNLESS A HIGHER GRADE IS SPECIFIED. ALL SIGNS MUST BE COVERED WITH 3M 1160 SERIES FILM WITH PREMASK FOR PROTECTION FROM GRAFFITI (EXCEPT D3-101).
8. ALL MOUNTING HARDWARE FOR STREET LIGHT POLES MUST BE BAND-IT OR APPROVED EQUAL. THE HARDWARE REQUIRED IS 3/4" x .030 STAINLESS STEEL BANDS, 3/4" STAINLESS STEEL EAR LOCK BUCKLES, AND STAINLESS STEEL FLARED LEG BRACKETS WITH ONE BOLT.
9. ALL SIGNS AND SIGN PLACEMENT MUST HAVE APPROVAL OF THE PUBLIC WORKS DIRECTOR.
10. ALL OLD AND/OR UNUSED BANDS AND FASTENERS MUST BE REMOVED.

**CITY OF
WHITE SALMON**

STREET SIGN INSTALLATION - TYPICAL SIGN LOCATION

NTS

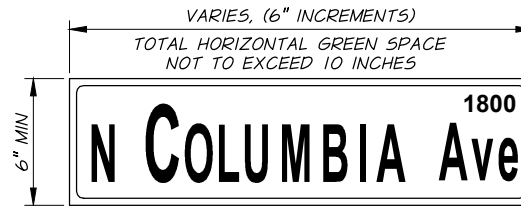
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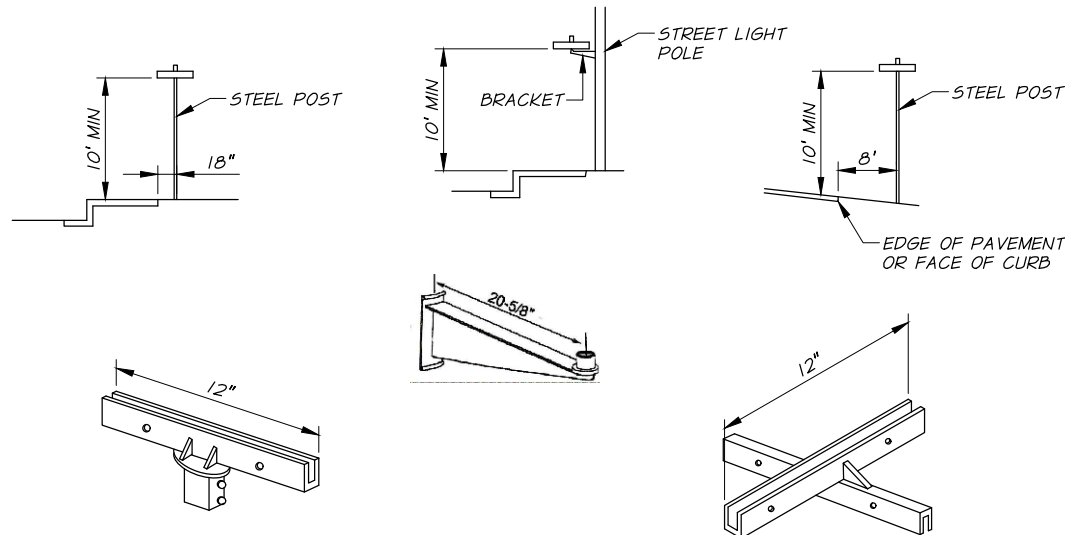
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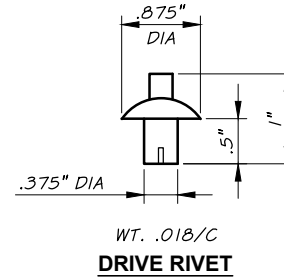
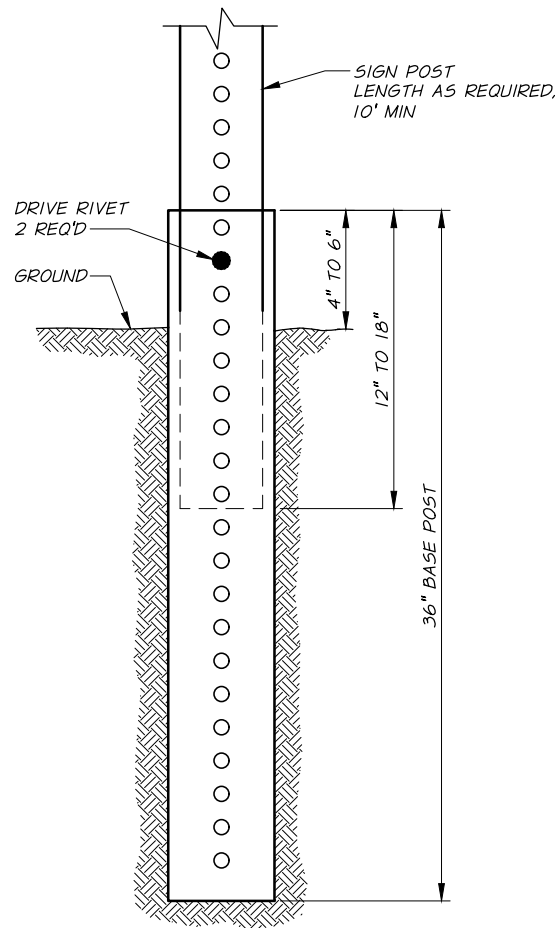
NOTES:

1. STREET NAME SIGN SHALL BE PER D3-1 OF THE WSDOT SIGN FABRICATION MANUAL.
2. REFLECTORIZED WHITE LETTERS, NUMBERS AND BORDER ON REFLECTIVE GREEN BACKGROUND. LETTERS ARE TO BE HIGHWAY GOTHIC, SERIES "C". LETTERS AND SPACING TO BE PER THE STATE OF WASHINGTON SIGN FABRICATION MANUAL. HIGHWAY GOTHIC, SERIES "B" SHALL BE PERMITTED WHEN SIGN LENGTH EXCEEDS 36".
3. LETTERS, NUMBERS, BORDER AND BACKGROUND ARE TO BE 3M DIAMOND GRADE D63 REFLECTIVE SHEETING SERIES 4000.
4. STREET NAME SIGNS SHALL BE INSTALLED ON THE SIGN POST OR STREET LIGHT STANDARD BY MEANS OF AN ALUMINUM SIGN BRACKET APPROPRIATE FOR THE SPECIFIC APPLICATION APPROVED BY THE CITY.



STREET SIGN BRACKETS

STREET NAME SIGN
(D3-1)



NOTES:

1. POSTS SHALL BE TELESAR BRAND SQUARE TUBING OR APPROVED EQUAL. SIGN POST MUST BE BREAK AWAY TYPE POSTS IN COMPLIANCE WITH NCHRP 350 CRASH TEST CRITERIA.
2. ALL FASTENINGS OF TUBING JOINTS AND CONNECTIONS SHALL UTILIZE A MINIMUM OF TWO DRIVE RIVETS.
3. ALL POSTS SHALL BE COLD ROLLED STEEL WITH A GALVANIZED COATING.
4. BASE POST MUST BE DRIVEN WITH A MECHANICAL DRIVER UNLESS OTHERWISE APPROVED BY THE CITY PUBLIC WORKS DIRECTOR.

PART	TUBE SIZE	MIN. WALL THICKNESS	LENGTH
BASE POST	2.25" x 2.25"	12 GAGE	3'
SIGN POST	2" x 2"	14 GAGE	LENGTH AS REQ'D 10' MIN

**CITY OF
WHITE SALMON**

STREET SIGN INSTALLATION - TYPICAL SIGN POST

NTS

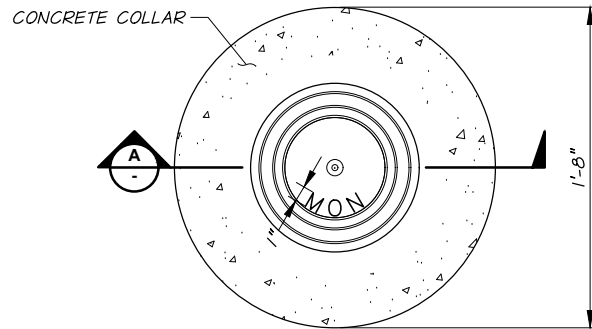
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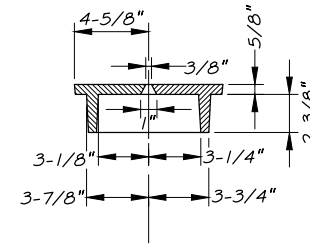
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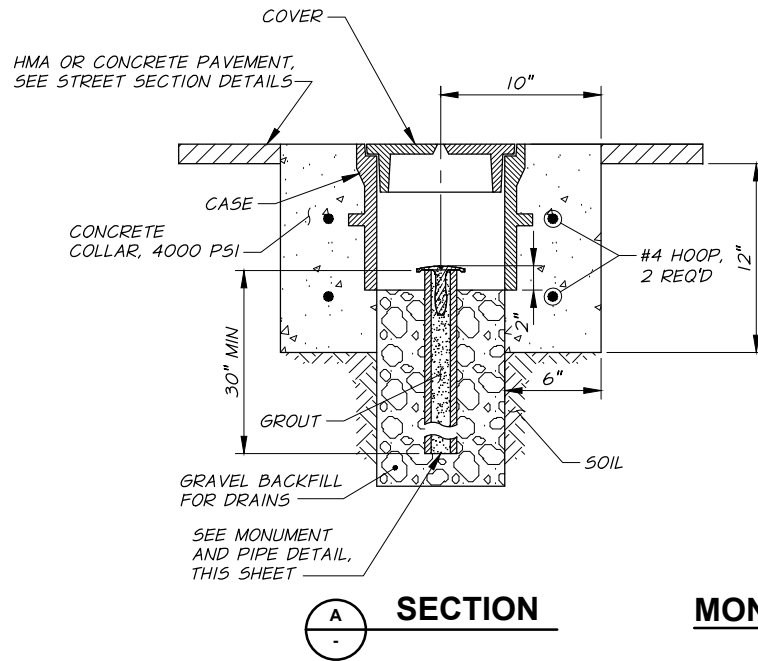
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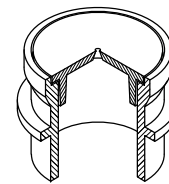
APPROXIMATE WEIGHTS	
CASE	60 LBS
COVER	19 LBS
TOTAL	79 LBS



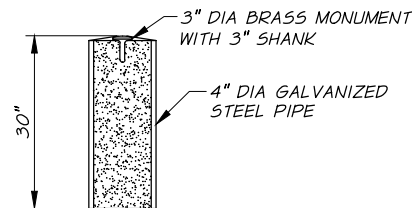
COVER



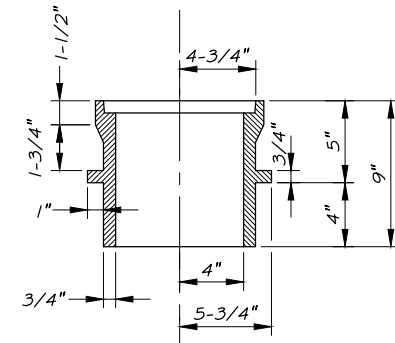
SECTION



ISOMETRIC



MONUMENT AND PIPE DETAIL



CASE

NOTES:

1. DIMENSIONS MAY VARY ACCORDING TO MANUFACTURER.
2. BASE TO BE PLACED ON A WELL COMPACTED FOUNDATION.
3. MONUMENT CASE TO BE INSTALLED BY CONTRACTOR.
4. MONUMENTS TO BE SET AT ALL STREET CENTERLINE CONTROL POINTS:
 - A) INTERSECTION OF ALL STREETS.
 - B) PT AND PC OF CURVES.
5. WASHINGTON LICENSED PROFESSIONAL LAND SURVEYOR OR PARTY UNDER THE LICENSED LAND SURVEYOR'S DIRECT SUPERVISION TO REFERENCE MONUMENT LOCATION FOR INSTALLATION AND PUNCH BRASS MONUMENT AFTER INSTALLATION. THE MONUMENT SHALL BE SET IN SUCH A FASHION AS TO INSURE THAT THE PUNCH MARK MAY BE SET WITHIN A MAXIMUM DISTANCE OF 1/2-INCH FROM THE CENTER OF THE MONUMENT. MONUMENT TO BE SUPPLIED AND SET BY CONTRACTOR USING SURVEY CROSS TIES.

CITY OF
WHITE SALMON

MONUMENT CASE AND COVER

NTS

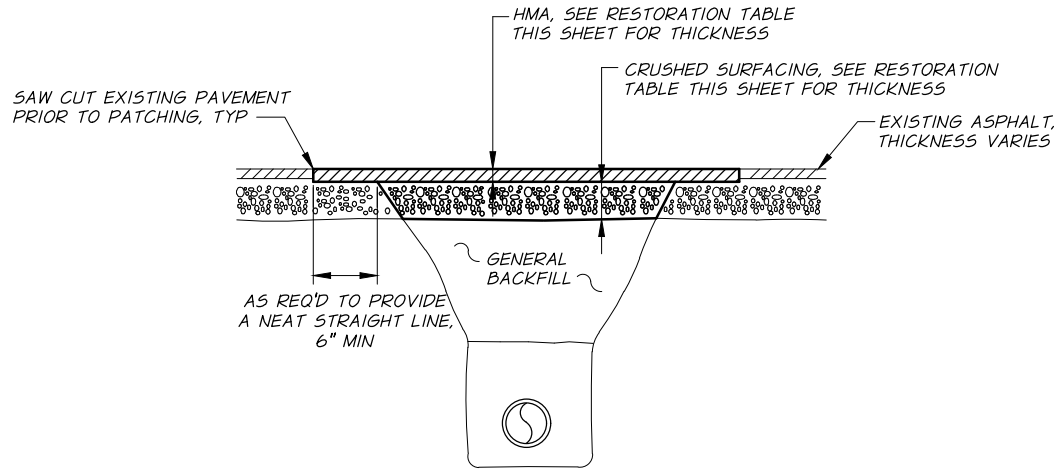
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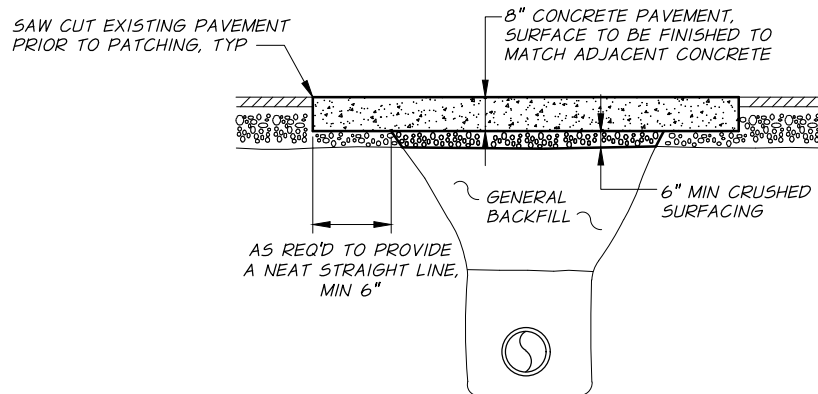
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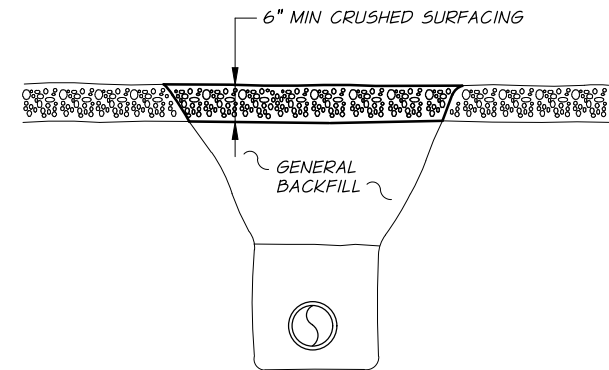


MINIMUM HMA CRUSHED SURFACE RESTORATION THICKNESS		
TYPE	CRUSHED SURFACING	HMA
ARTERIAL	10"	5"
COLLECTOR	8"	5"
LOCAL RESIDENTIAL	8"	4"

ASPHALT PAVED STREETS AND ROADWAYS



CONCRETE STREETS



GRAVEL STREETS, ALLEYS, SHOULDERS, AND PARKING AREAS

**CITY OF
WHITE SALMON**

TRENCH RESTORATION
NTS

AUGUST 2022
REVISION DATE

**STANDARD
PLAN**

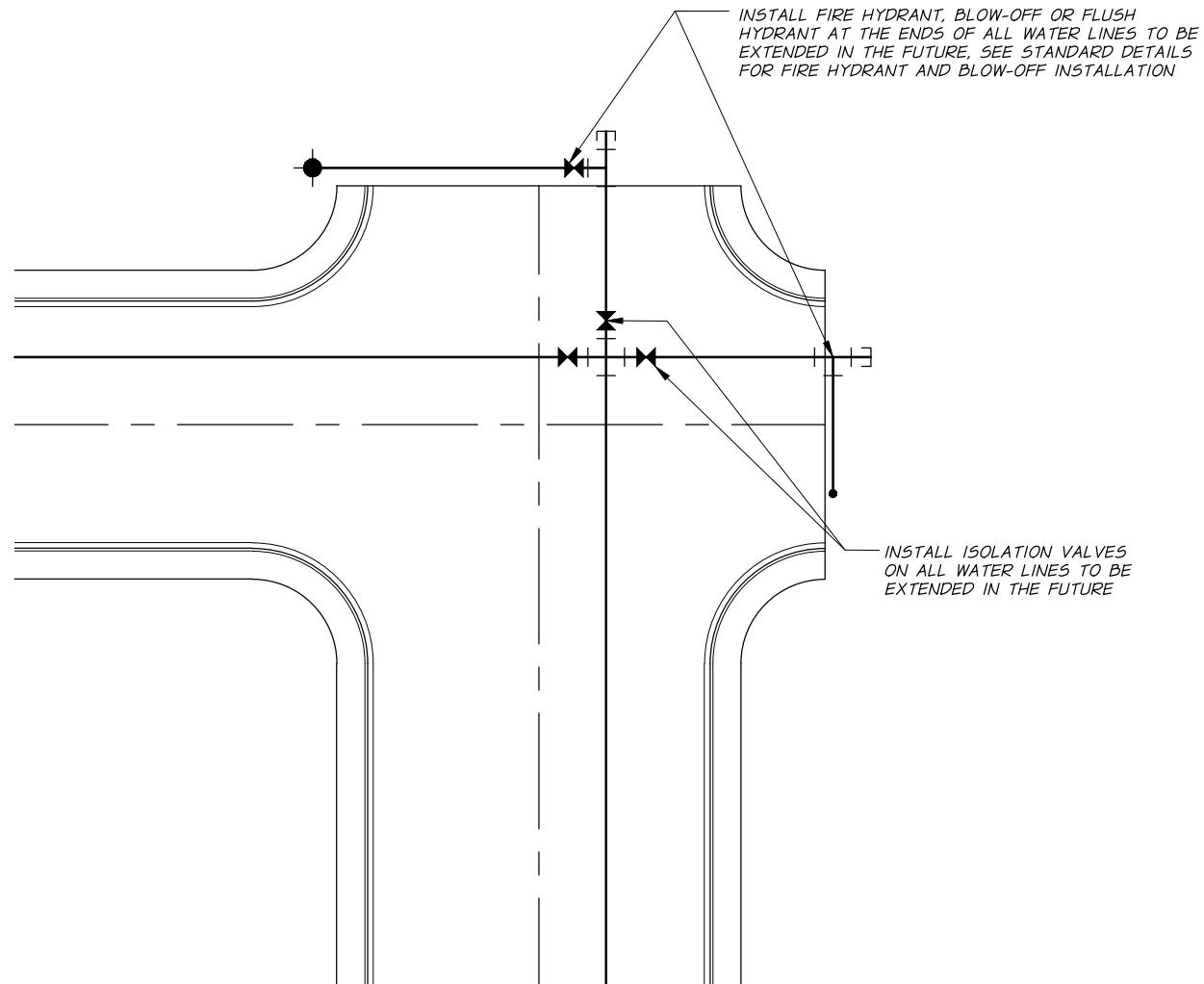
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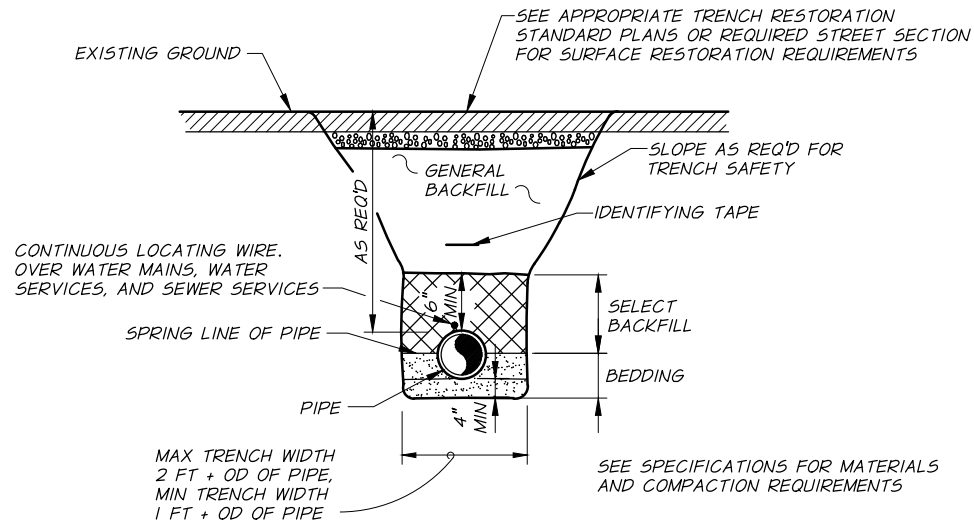
PAGE 1-1

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FUTURE MAINLINE EXTENSIONS

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**CITY OF
WHITE SALMON**

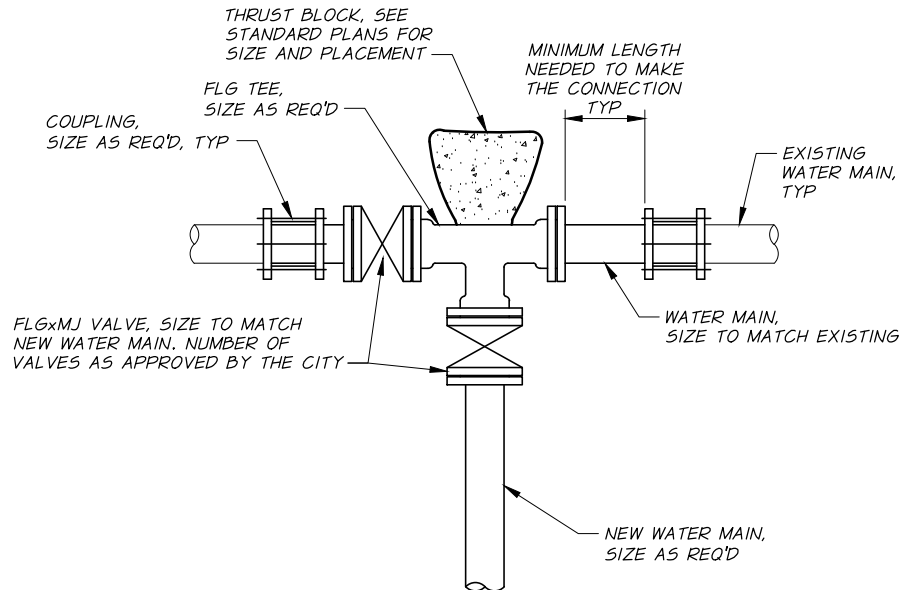
TRENCH EXCAVATION AND BACKFILL

NTS

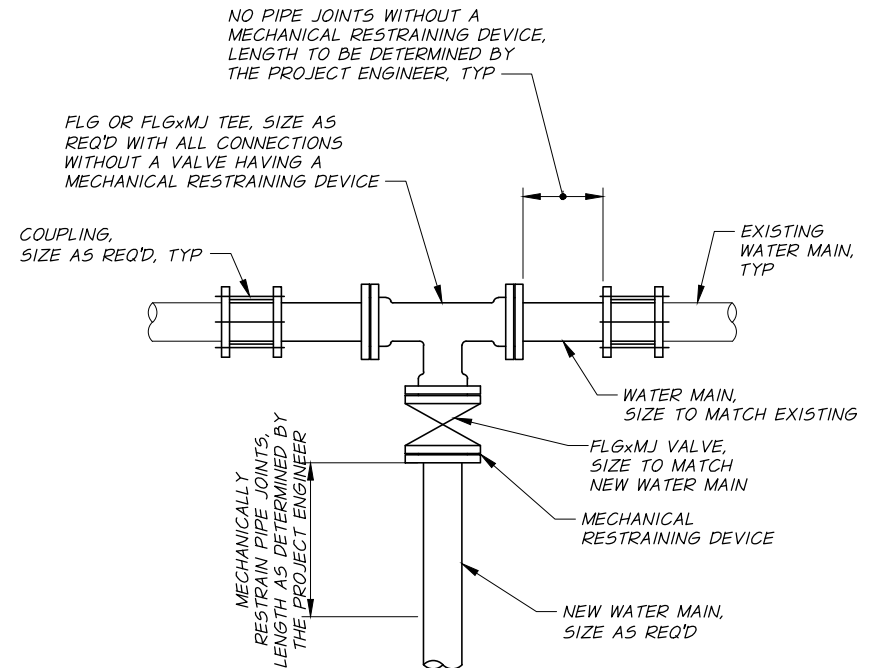
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THRUST BLOCK ALTERNATIVE



MECHANICAL RESTRAINT ALTERNATIVE

NOTES:

1. ALL CONNECTIONS TO EXISTING WATER MAINS SHALL BE MECHANICALLY RESTRAINED. WHEN EXISTING CONDITIONS PREVENT THE USE OF MECHANICAL RESTRAINTS, THRUST BLOCKS MAY BE USED WITH THE APPROVAL OF THE CITY.
2. MECHANICAL RESTRAINT LENGTHS SHALL BE DESIGNED BY AN ENGINEER LICENSED IN THE STATE OF WASHINGTON.

**CITY OF
WHITE SALMON**

CONNECTION TO EXISTING WATER MAIN

NTS

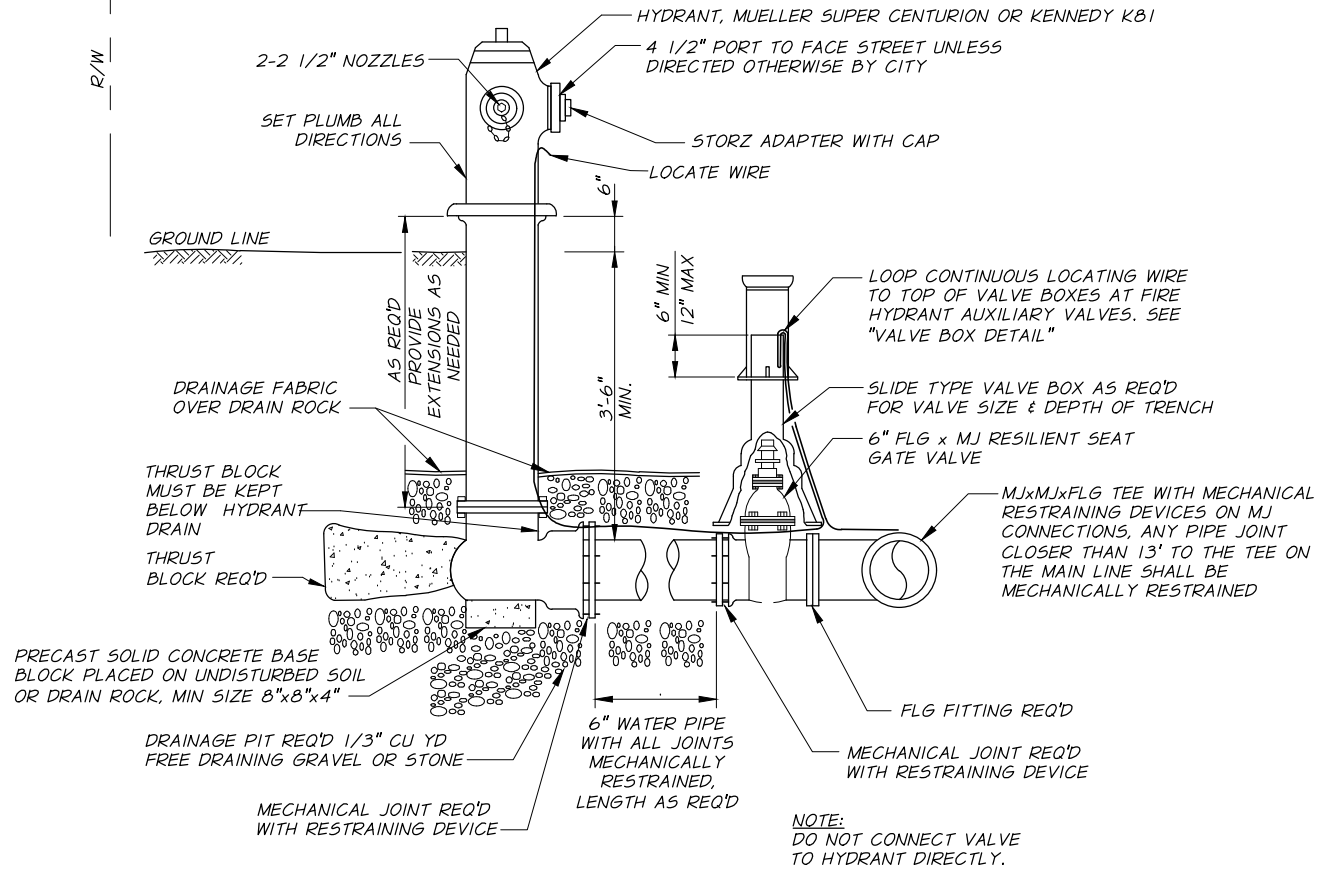
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FIRE HYDRANT AND AUXILIARY VALVE DETAIL

**CITY OF
WHITE SALMON**

FIRE HYDRANT AND AUXILIARY VALVE

NTS

AUGUST 2022
REVISION DATE

**STANDARD
PLAN**

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FIRE HYDRANT BARRICADE

STANDARD PLAN

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1. FIRE HYDRANT BARRICADES REQUIRED WHEN HYDRANT NOT PLACED BEHIND CURB.
2. 4" DIAMETER STEEL PIPE SHALL BE PLUMB.
3. LOCATE PIPES EQUIDISTANT FROM FIRE HYDRANT.
4. PLACE BARRICADES AT ALL FOUR CORNERS OF HYDRANT IF VEHICLES ARE ALLOWED TO DRIVE BEHIND HYDRANT.
5. BARRICADES TO BE PRIMED AND PAINTED THE SAME COLOR AS THE FIRE HYDRANT

THRUST BLOCK NOTES

1. CONNECTIONS SHALL BE MECHANICALLY RESTRAINED WHEN THRUST RESTRAINTS ARE REQUIRED. WHEN EXISTING CONDITIONS PREVENT THE USE OF MECHANICAL RESTRAINTS, THRUST BLOCKS MAY BE USED WITH THE APPROVAL OF THE CITY. THRUST BLOCK SIZES SHALL BE DETERMINED BY THIS STANDARD PLAN AND THE FIELD CONDITIONS.
2. THRUST BLOCKS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:
 - A. ALL CHANGES IN DIRECTION.
 - B. ALL DEAD-ENDS
 - C. ALL VALVES 8-INCHES AND LARGER SHALL BE SIZE FOR CLOSED CONDITION.
EXCEPTIONS:
 - (1) WHEN RESTRAINED JOINT PIPE IS USED ON BOTH SIDES OF VALVE.
 - (2) WHEN VALVE IS RESTRAINED JOINT CONNECTED TO A FITTING WHICH HAS APPROPRIATE THRUST BLOCKING.
 - D. AT LOCATIONS SPECIFICALLY CALLED OUT ON THE DRAWINGS.
 - E. AT TEMPORARY DEAD ENDS DURING PIPE INSTALLATIONS AS REQUIRED FOR TEMPORARY PRESSURE TESTING.
 - F. AT OTHER LOCATIONS REQUIRED BY ENGINEER.
3. THRUST BLOCKS SHALL BE SIZED AS REQUIRED BY SOIL CONDITIONS AND DESIGN PRESSURE.
4. PLACE CONCRETE AGAINST UNDISTURBED TRENCH WALL.
5. SEE SPECIFICATIONS FOR CONCRETE AND ANCHOR RODS.
6. ALL CONCRETE SHALL BE PLACED SO THAT PIPE, FITTING JOINTS, BOLTS AND NUTS, ETC., WILL BE ACCESSIBLE FOR REPAIRS.
7. PLACE ONE LAYER OF VISQUEEN BETWEEN FITTING AND CONCRETE TO FACILITATE FUTURE REMOVAL OF THRUST BLOCK.
8. ALL THRUST BLOCKS SHALL BE SIZED FOR 150 PSI WATER PRESSURE OR THE SYSTEM PRESSURE TIMES 1.5, WHICHEVER IS GREATER.
9. IF THE REQUIRED BEARING AREA IS LESS THAN 1 SQUARE FOOT, A THRUST BLOCK SHALL NOT BE REQUIRED.

DETERMINATION OF THRUST BLOCK BEARING AREA

1. DETERMINE THRUST (T) FOR TYPE OF FITTING OR JOINT AND SIZE OF PIPE FROM TABLE NO. 1 OR TABLE NO. 3. ADJUST THE THRUST @ 100 PSI TO THE THRUST AT THE TEST PRESSURE.
2. DETERMINE BEARING CAPACITY (B) OF SOIL FROM TABLE NO. 2.
3. DETERMINE REQUIRED BEARING AREA (A) AS FOLLOWS:

$$A = \frac{T * F}{B}$$
 (WHERE F IS PRESSURE DESIGN FACTOR)

EXAMPLE: DESIGN PRESSURE = 150 PSI
 PIPE = 12"
 FITTING = TEE
 SOIL - SANDY GRAVEL
 FROM TABLE NO. 1: T = 15,050 LB.
 PRESSURE DESIGN FACTOR $F = \frac{150 \text{ PSI}}{100 \text{ PSI}} = 1.50$
 FROM TABLE NO. 2: B = 3000 LB/SQ.FT.
 $A = \frac{15,050 \times 1.50}{3000} = 7.5 \text{ SQ.FT.} = 8 \text{ SQ.FT.}$

(ROUND UP TO NEAREST WHOLE SQ.FT.)

TABLE 1

THRUST AT FITTINGS IN POUNDS AT 100 PSI OF PRESSURE					
PIPE SIZE	TEES AND DEAD ENDS	90° ELBOW	45° ELBOW	22 1/2° ELBOW	11 1/4° ELBOW
4"	1,680	2,310	1,290	660	340
6"	3,770	5,320	2,890	1,480	750
8"	6,690	9,460	5,120	2,620	1,320
10"	10,440	14,780	8,010	4,090	2,050
12"	15,050	21,280	11,520	5,880	2,960
14"	20,490	28,960	15,680	8,000	4,020
16"	26,750	37,830	20,470	10,440	5,260
18"	33,850	47,870	25,910	13,210	6,640
20"	41,790	59,090	31,980	16,310	8,190
24"	60,170	85,100	46,060	23,490	11,800

TABLE 2

SOIL	SAFE BEARING LOAD LB/SQ.FT.
SOFT CLAY	500
SILT	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND AND GRAVEL CEMENT WITH CLAY	4,000
HARD CLAY	4,000

TABLE 3

SIDE THRUST PER 100 LB/SQ.IN. PRESSURE PER DEGREE OF DEFLECTION			
PIPE SIZE	SIDE THRUST-LB	PIPE SIZE	SIDE THRUST-LB
4"	N/A	14"	360
6"	N/A	16"	470
8"	N/A	18"	600
10"	190	20"	730
12"	270	24"	1,050

**CITY OF
WHITE SALMON**

THRUST BLOCK SIZING

NTS

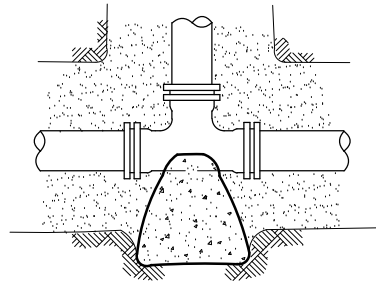
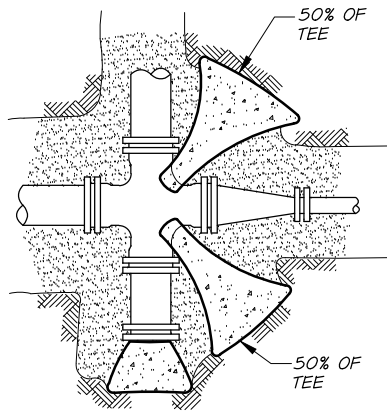
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**STANDARD
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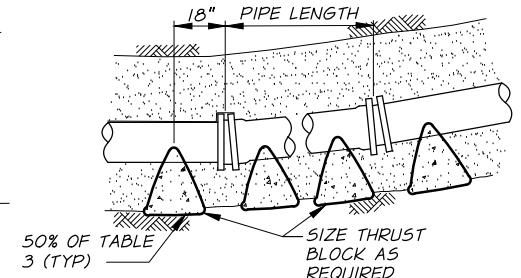
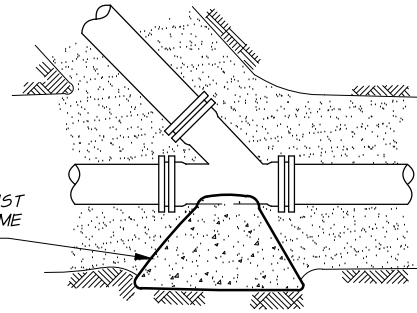
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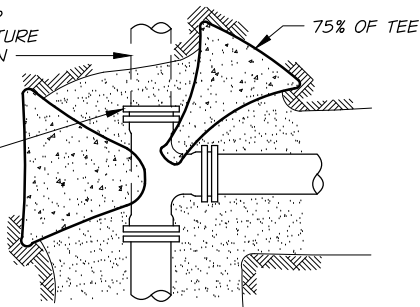


SIZE THRUST
BLOCK SAME
AS TEE

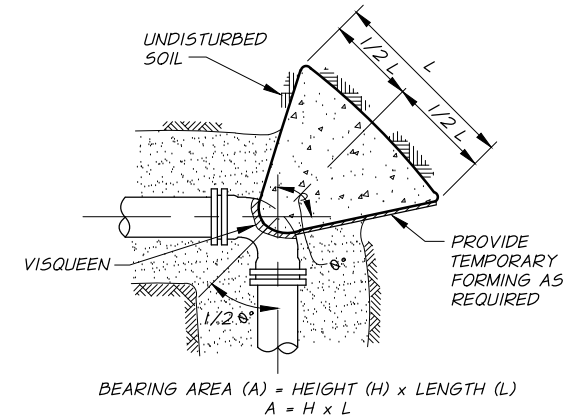
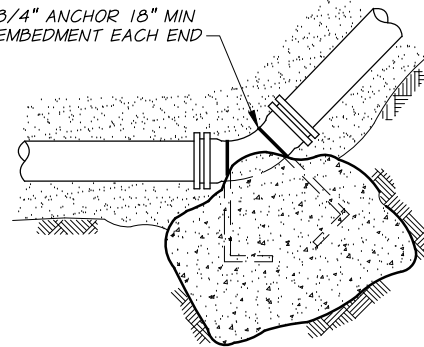


PROVIDE CLEAR
SPACE FOR FUTURE
PIPE EXTENSION

RESTRAINED
JOINT END
PLUG OR
CAP

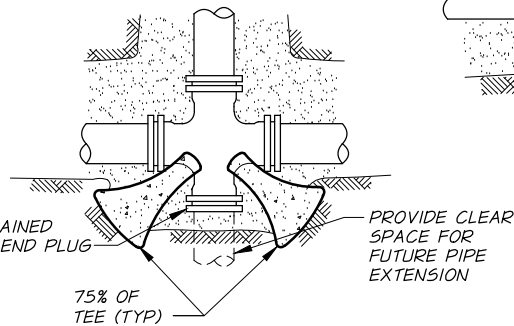


3/4" ANCHOR 18" MIN
EMBEDMENT EACH END

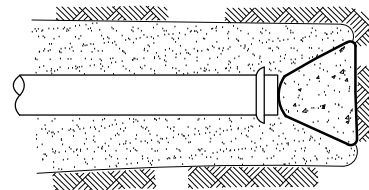


BEARING AREA (A) = HEIGHT (H) x LENGTH (L)
 $A = H \times L$

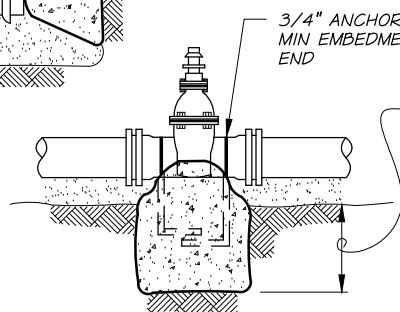
RESTRAINED
JOINT END PLUG



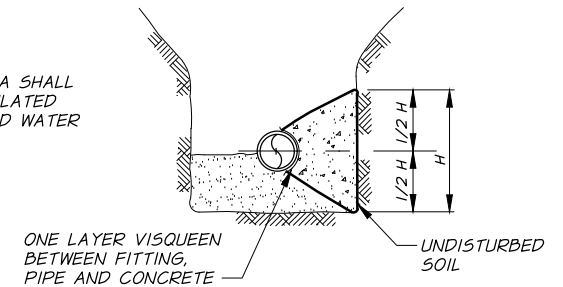
PROVIDE CLEAR
SPACE FOR
FUTURE PIPE
EXTENSION



3/4" ANCHOR RODS 18"
MIN EMBEDMENT EACH
END



BEARING AREA SHALL
BE AS CALCULATED
FOR DEAD END WATER
LINE



FOR VALVES LARGER THAN 12"

**CITY OF
WHITE SALMON**

THRUST BLOCK REQUIREMENTS AND LOCATIONS

NTS

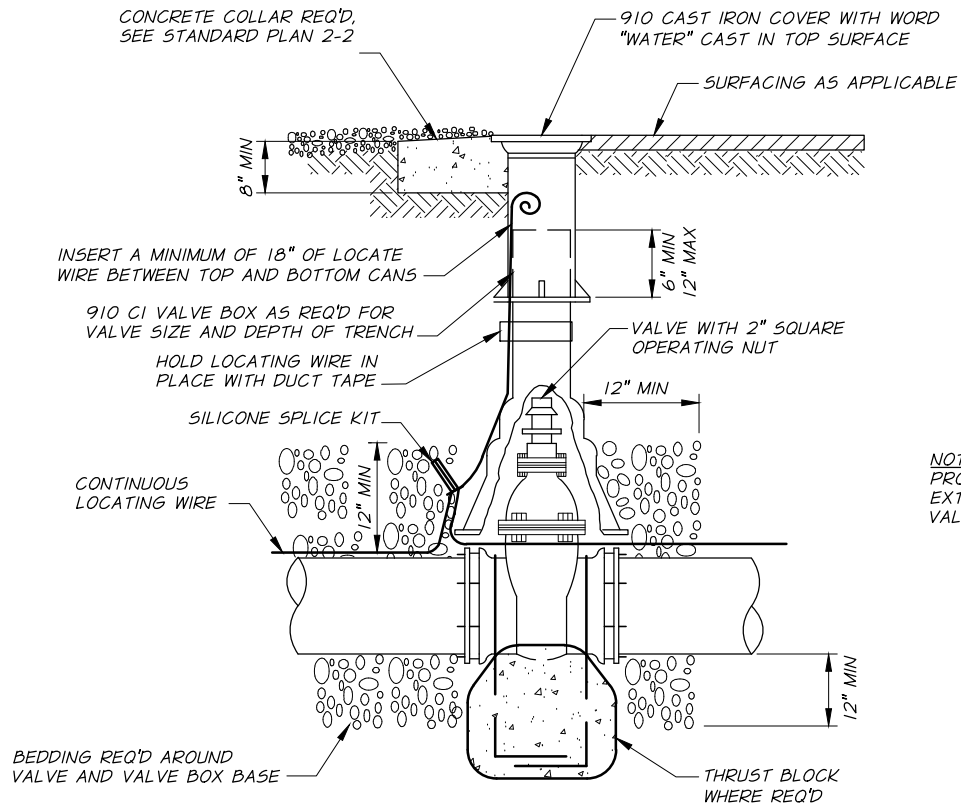
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PLAN**

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NOTE:
PROVIDE WATER VALVE STEM
EXTENSION WHEN DEPTH TO
VALVE NUT EXCEEDS 4.5 FT.

**CITY OF
WHITE SALMON**

VALVE BOX
NTS

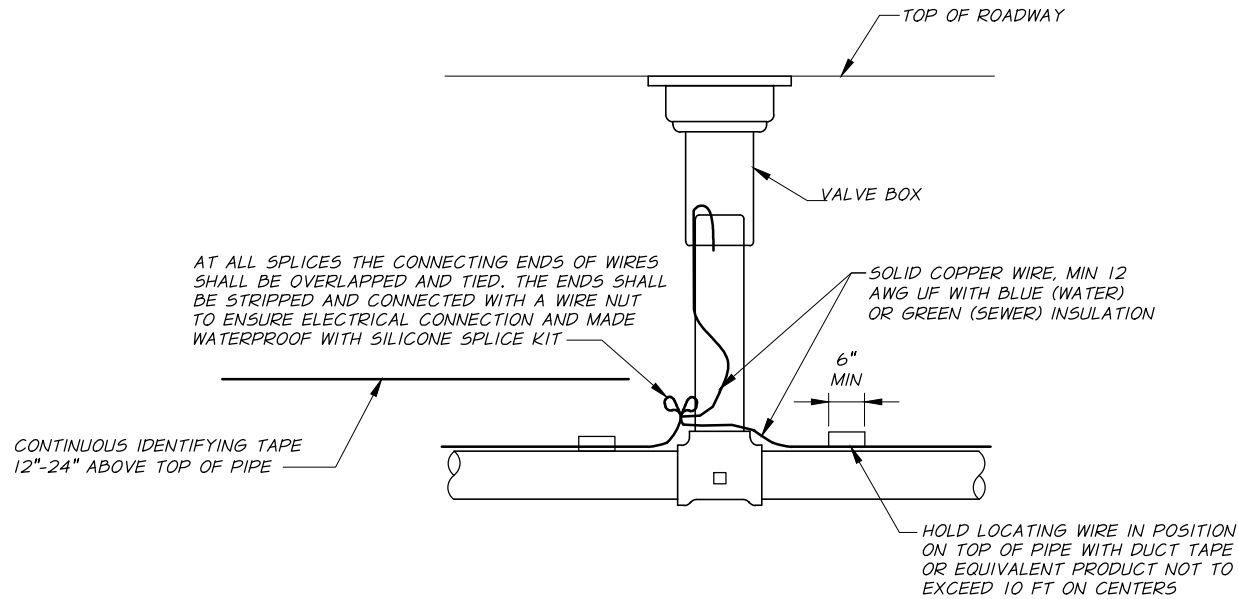
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IDENTIFYING TAPE LEGEND				
TYPE	COLOR	SIZE	DETECTABLE	IMPRINT
STORM SEWER	GREEN	3"	YES	CAUTION BURIED SEWER LINE BELOW
SANITARY SEWER	GREEN	3"	YES	CAUTION BURIED SEWER LINE BELOW
WATER	BLUE	3"	YES	CAUTION BURIED WATER LINE BELOW

**CITY OF
WHITE SALMON**

CONTINUOUS LOCATING WIRE AND IDENTIFYING TAPE

NTS

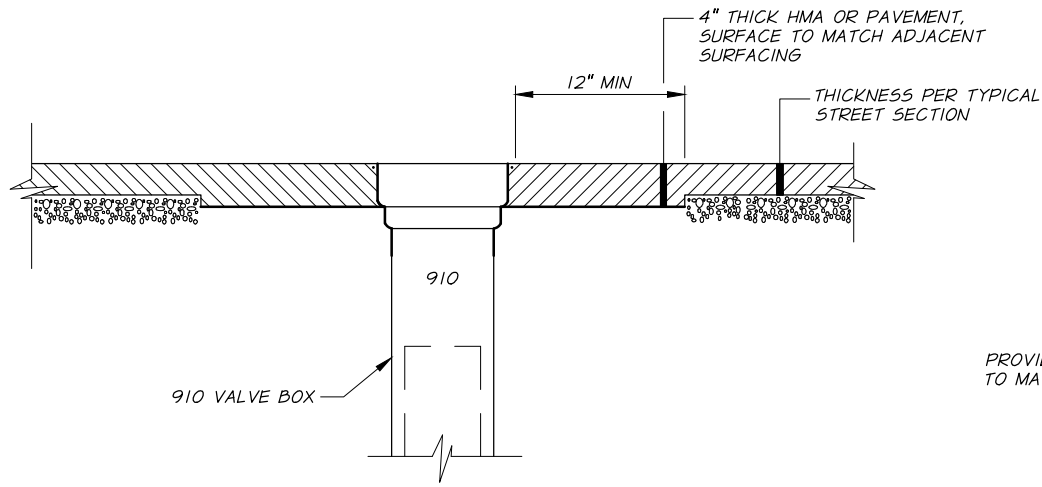
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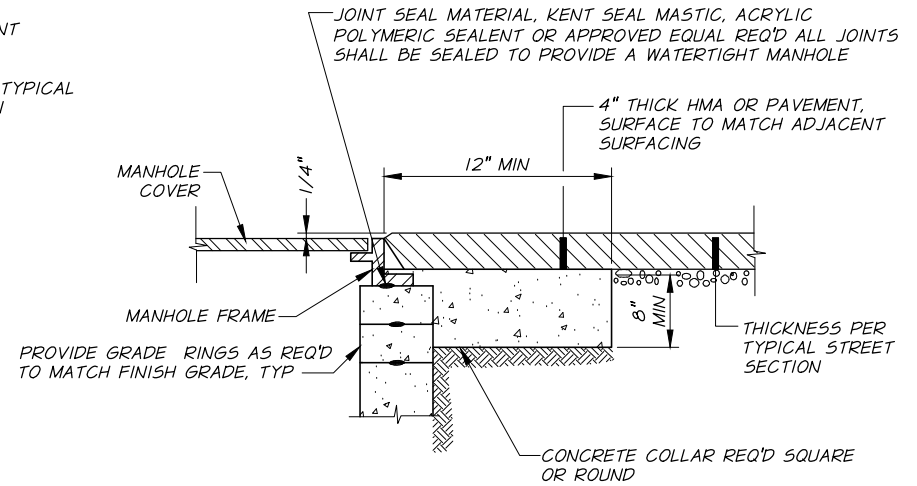
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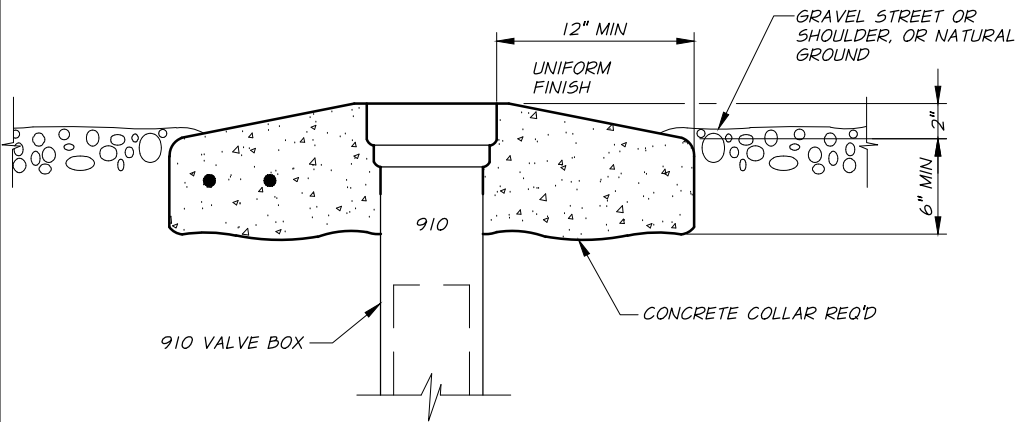
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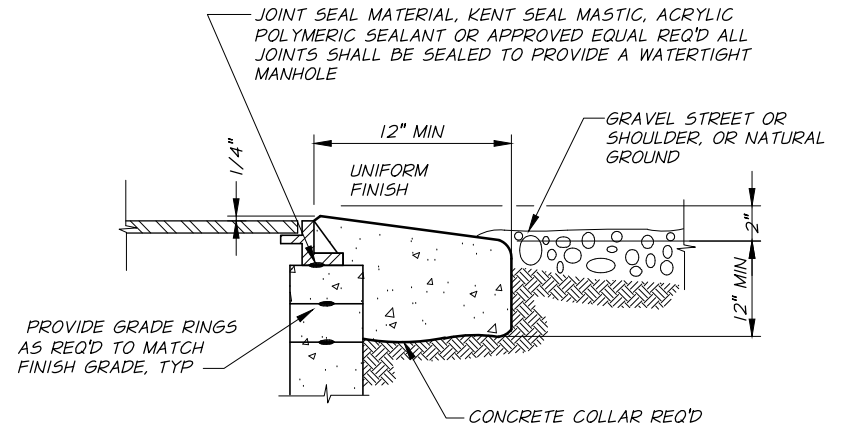
VALVE BOX - IN ASPHALT OR CONCRETE PAVEMENT



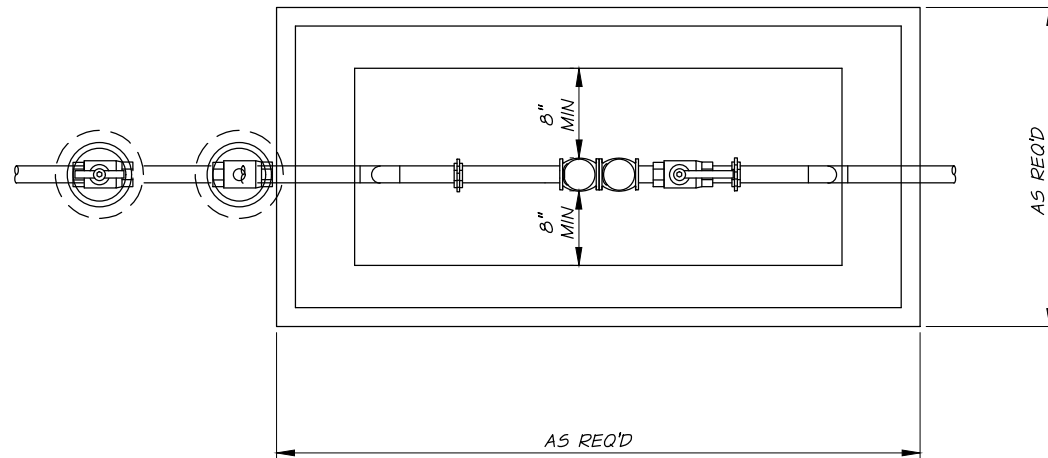
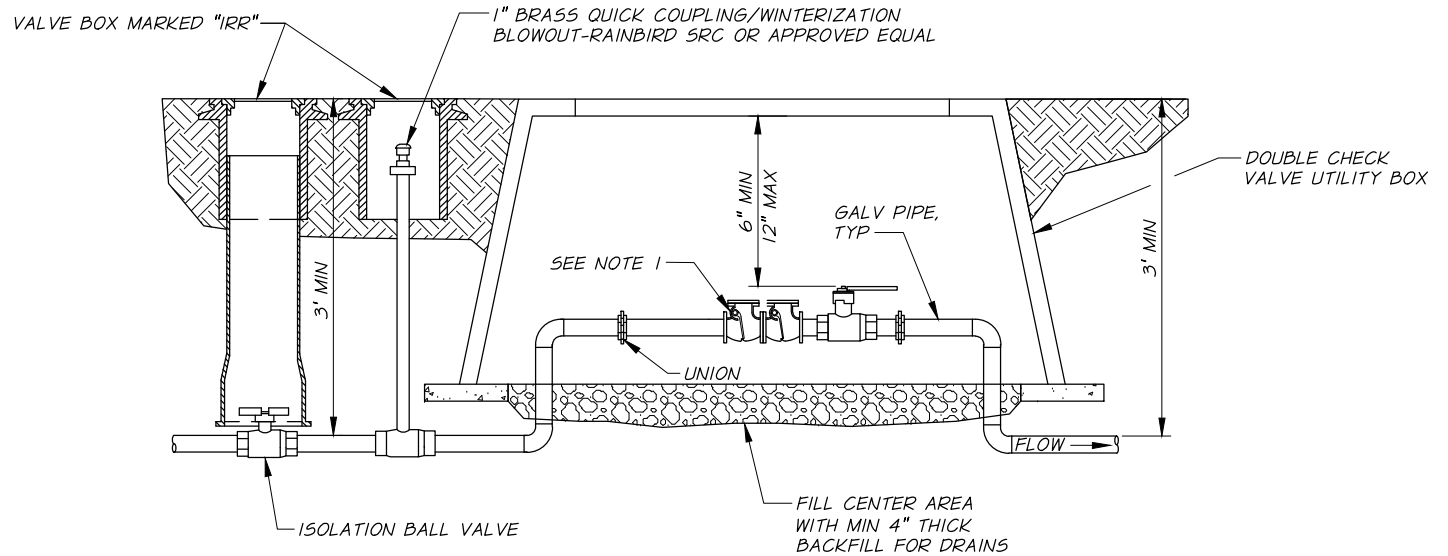
MANHOLE - IN ASPHALT OR CONCRETE PAVEMENT



VALVE BOX - IN GRAVEL STREET OR NATURAL GROUND



MANHOLE - IN GRAVEL STREET OR NATURAL GROUND



NOTES

1. DOUBLE CHECK VALVE MUST BE ON THE LATEST DEPARTMENT OF HEALTH APPROVED LIST OF BACKFLOW PREVENTION ASSEMBLIES.
2. A CITY CROSS CONNECTION SPECIALIST MUST BE PRESENT DURING INSTALLATION.

**CITY OF
WHITE SALMON**

DOUBLE CHECK VALVE FOR 3/4" TO 2 1/2" WATER SERVICE

NTS

AUGUST 2022
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PLAN**

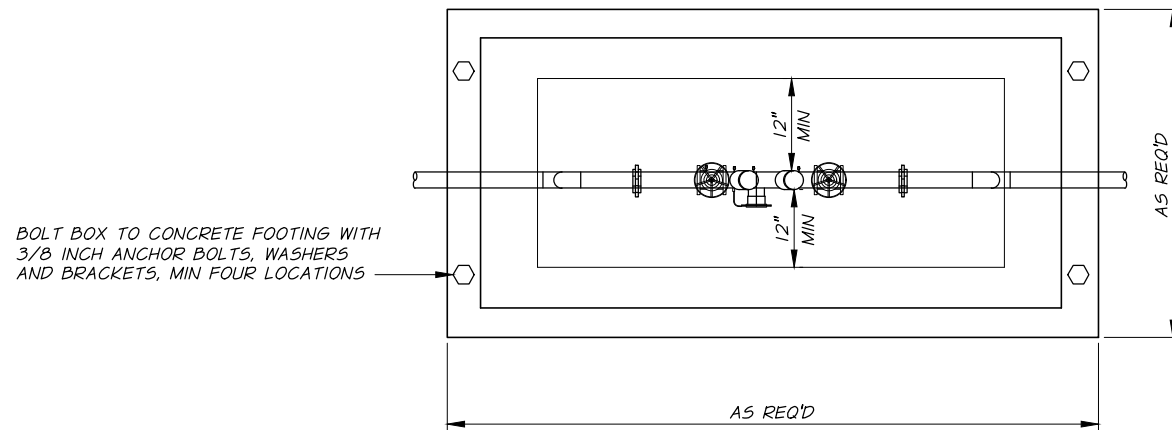
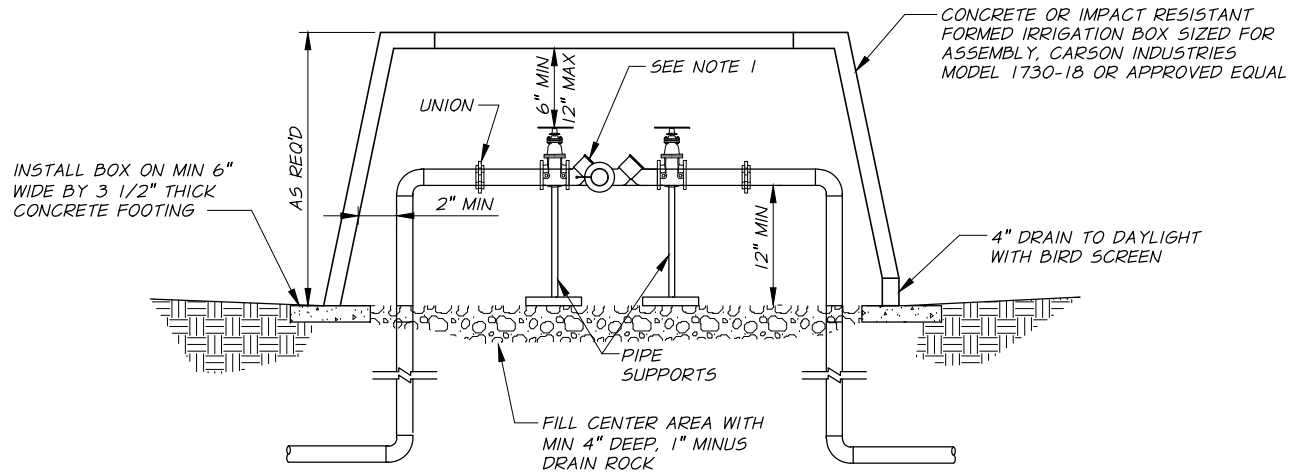
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NOTES:

1. MUST BE ON THE LATEST DEPT. OF HEALTH APPROVED LIST OF BACKFLOW PREVENTION ASSEMBLIES.
2. MUST BE INSTALLED ABOVE GROUND MINIMUM 12 INCHES.
3. A CITY CROSS CONNECTION SPECIALIST MUST BE PRESENT DURING INSTALLATION.
4. WHEN INSTALLED INSIDE A BUILDING, A FLOOR DRAIN SIZED TO ACCEPT MAXIMUM DISCHARGE FROM THE RELIEF ASSEMBLY IS REQUIRED.
5. FREEZE PROTECTION AND WINTERIZATION IS THE RESPONSIBILITY OF THE OWNER.
6. RISERS AND ALL PIPE IN BOX TO BE GALVANIZED STEEL.
7. USE GALVANIZED PIPE SUPPORTS FOR 2 1/2" AND LARGER SERVICE. SET SUPPORTS ON CONCRETE BLOCKS.
8. PROVIDE DAYLIGHT DRAIN FOR OUTDOOR INSTALLATIONS.



**CITY OF
WHITE SALMON**

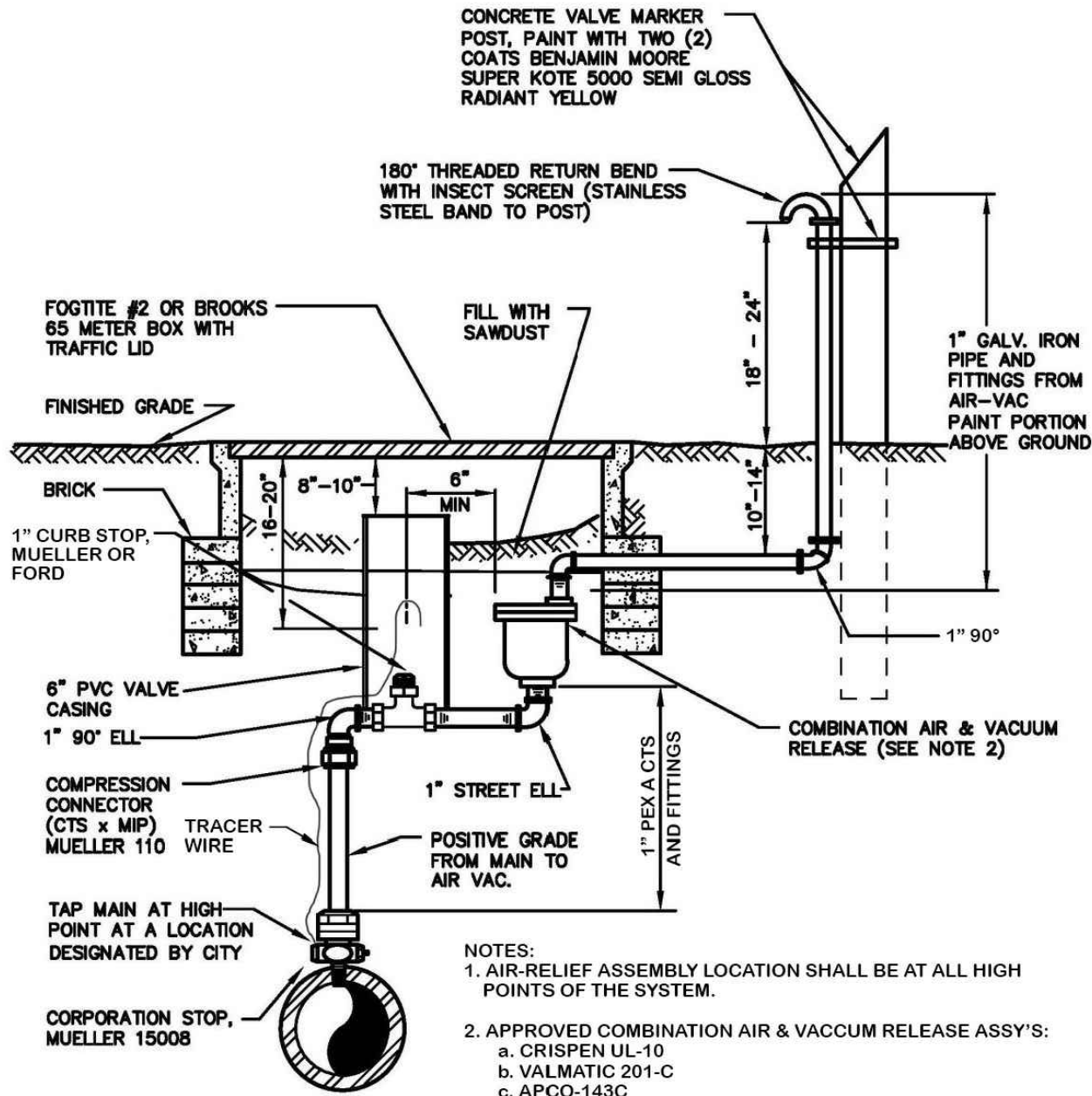
REDUCED PRESSURE BACKFLOW FOR 3/4" & LARGER WATER SERVICE

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CITY OF
WHITE SALMON

1" AIR RELEASE ASSEMBLY

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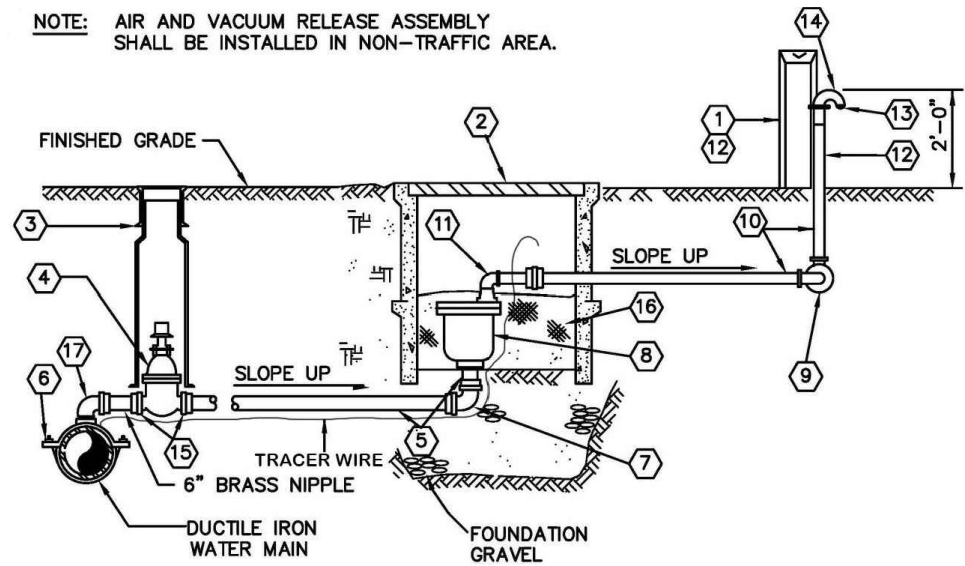
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- ① CONCRETE VALVE MARKER POST
- ② METER BOX, #2
- ③ CAST IRON VALVE BOX
- ④ 2" AWWA RESILIENT SEAT GATE VALVE THD X THD, WITH OPERATING NUT
- ⑤ 2" PEX A CTS
- ⑥ DOUBLE STRAP STAINLESS STEEL SERVICE CLAMP
- ⑦ 90° COMPRESSION X COMPRESSION
- ⑧ 2" COMBINATION AIR & VACUUM RELEASE ASSEMBLY:
 - A. APCO MODEL 144
 - B. CRISPIN MODEL CRAL 2
 - C. VALMATIC
- ⑨ 2, 2"X90° ELL
- ⑩ 2" PEX A CTS (FIELD LOCATE NEXT TO EXISTING PROPERTY LINE)
- ⑪ 2"X90° ELL
- ⑫ PAINT PORTION ABOVE GROUND WITH TWO COATS OF SEMI GLOSS RADIANT YELLOW
- ⑬ 2" BEEHIVE STRAINER
- ⑭ 2" OPEN PATTERN RETURN BEND
- ⑮ STRAIGHT COUPLING, COMPRESSION TO M.I.P.
- ⑯ 90° BEND FEMALE X M.I.P.

NOTE: AIR AND VACUUM RELEASE ASSEMBLY SHALL BE INSTALLED IN NON-TRAFFIC AREA.



NOTES:

1. ALL PIPING BETWEEN DOUBLE STRAP SADDLE AND INLET SIDE OF COMBINATION AIR AND VACUUM ASSEMBLY SHALL BE PEX A OR BRASS.
2. TAP WATER MAIN AT HIGH POINT, LOCATION TO BE DETERMINED BY THE CITY.

**CITY OF
WHITE SALMON**

2" AIR RELEASE ASSEMBLY

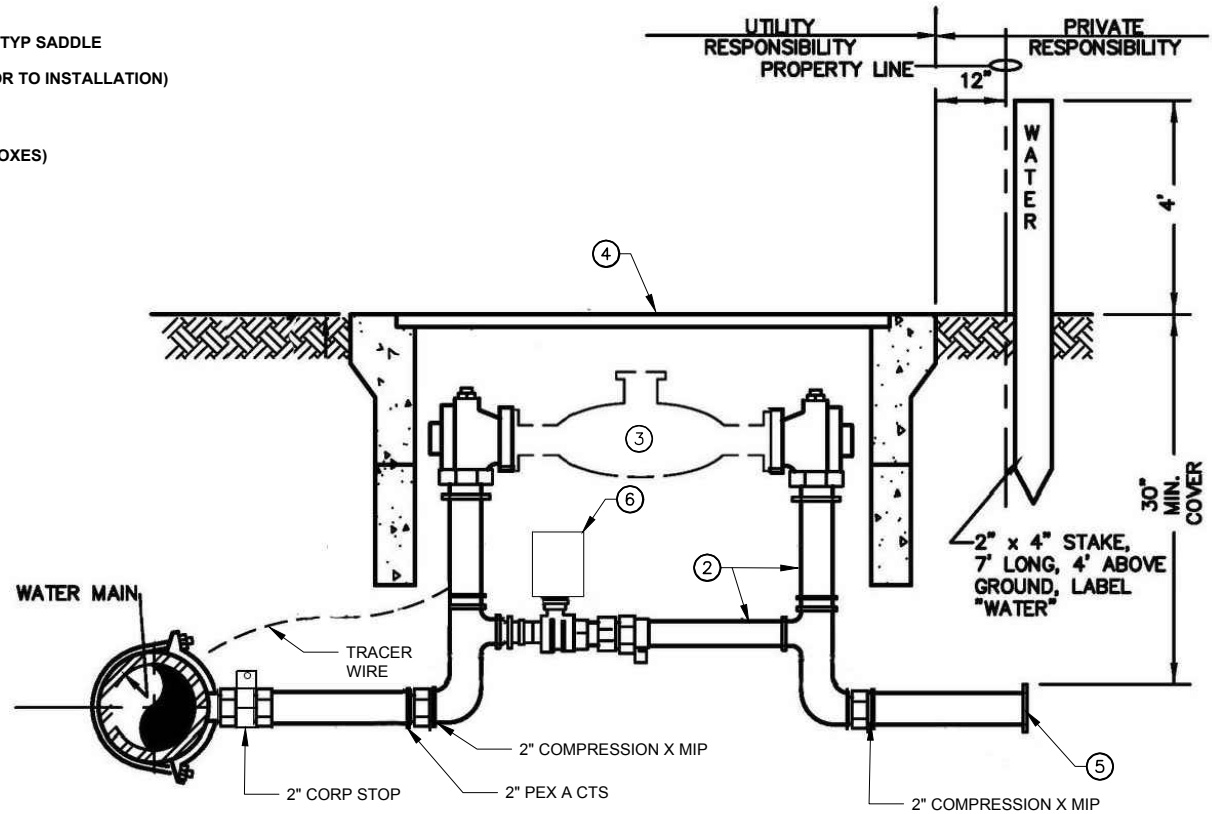
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- ① ROMAC STYLE 202S STAINLESS STEEL DOUBLE STRAP TYP SADDLE
- ② METER SETTER, 2" (LENGTH DETERMINED BY CITY PRIOR TO INSTALLATION)
- ③ METER (FURNISHED BY CITY) 17 1/4" LONG
- ④ METER BOX WITH STEEL TRAFFIC COVER (FURNISH 2 BOXES)
- ⑤ 2" CAP
- ⑥ 6" PVC PIPE OVER BY-PASS VALVE



**CITY OF
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2" WATER SERVICE INSTALLATION

NTS

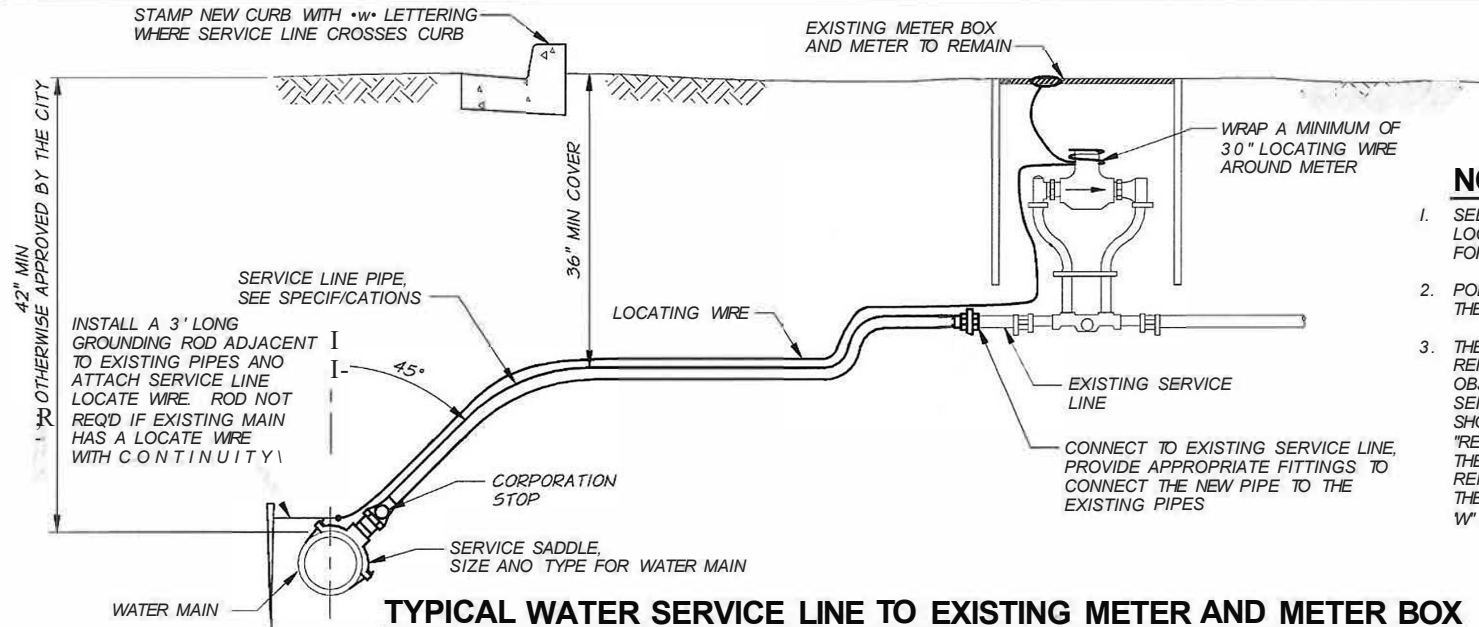
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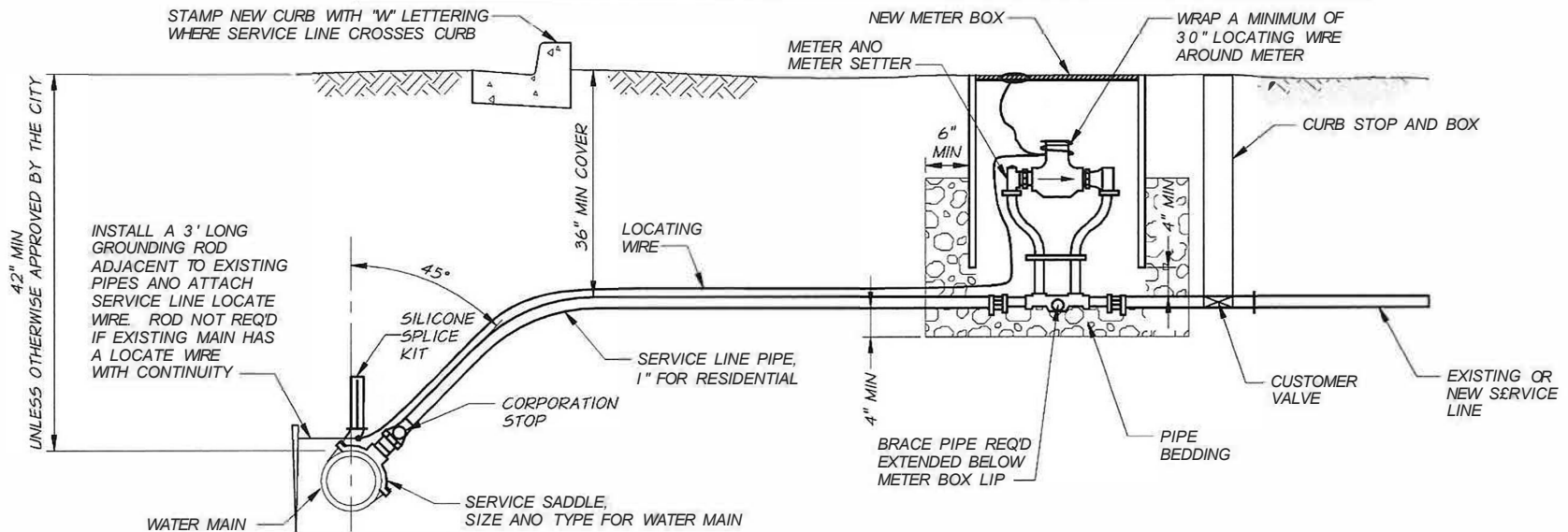
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NOTES:

1. SEE STANDARD PLAN 1-1 FOR LOCATION OF WATER METER AND 3-9 FOR WATER METER INSTALLATION.
2. POLYETHYLENE PIPE AS DESCRIBED IN THE SPECIFICATIONS SHALL BE USED.
3. THE CONTRACTOR SHALL PROVIDE TWO REFERENCES FROM PERMANENT OBJECTS TO THE END OF WATER SERVICE LINE. THESE TIES SHALL BE SHOWN AND DIMENSIONED ON THE "RECORD DRAWINGS" PREPARED BY THE CONTRACTOR. WHEN NEW OR REPLACEMENT CURBS ARE INSTALLED, THE CURB SHALL BE STAMPED WITH A "W" AT THE POINT OF CROSSING.

TYPICAL WATER SERVICE LINE TO EXISTING METER AND METER BOX



TYPICAL WATER SERVICE LINE WITH NEW METER AND METER BOX

CITY OF
WHITE SALMON

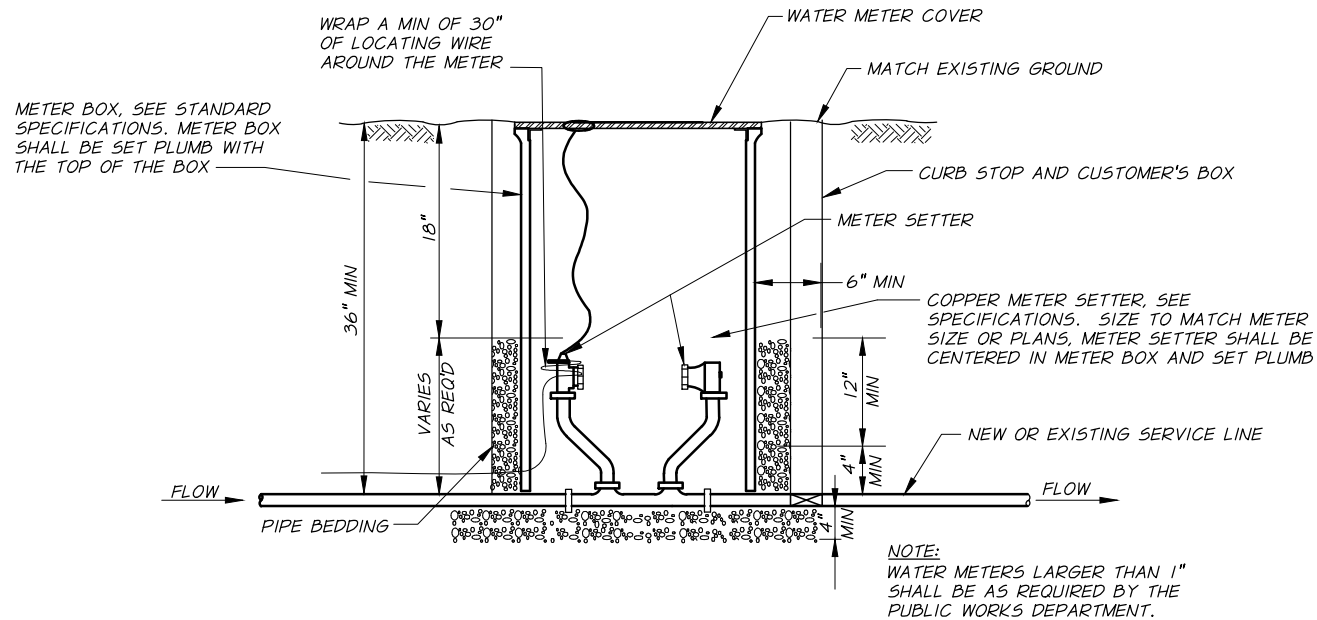
WATER SERVICE CONNECTIONS

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**CITY OF
WHITE SALMON**

WATER METER INSTALLATION, 1"

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WATER METER INSTALLATION IN TRAFFIC AREAS

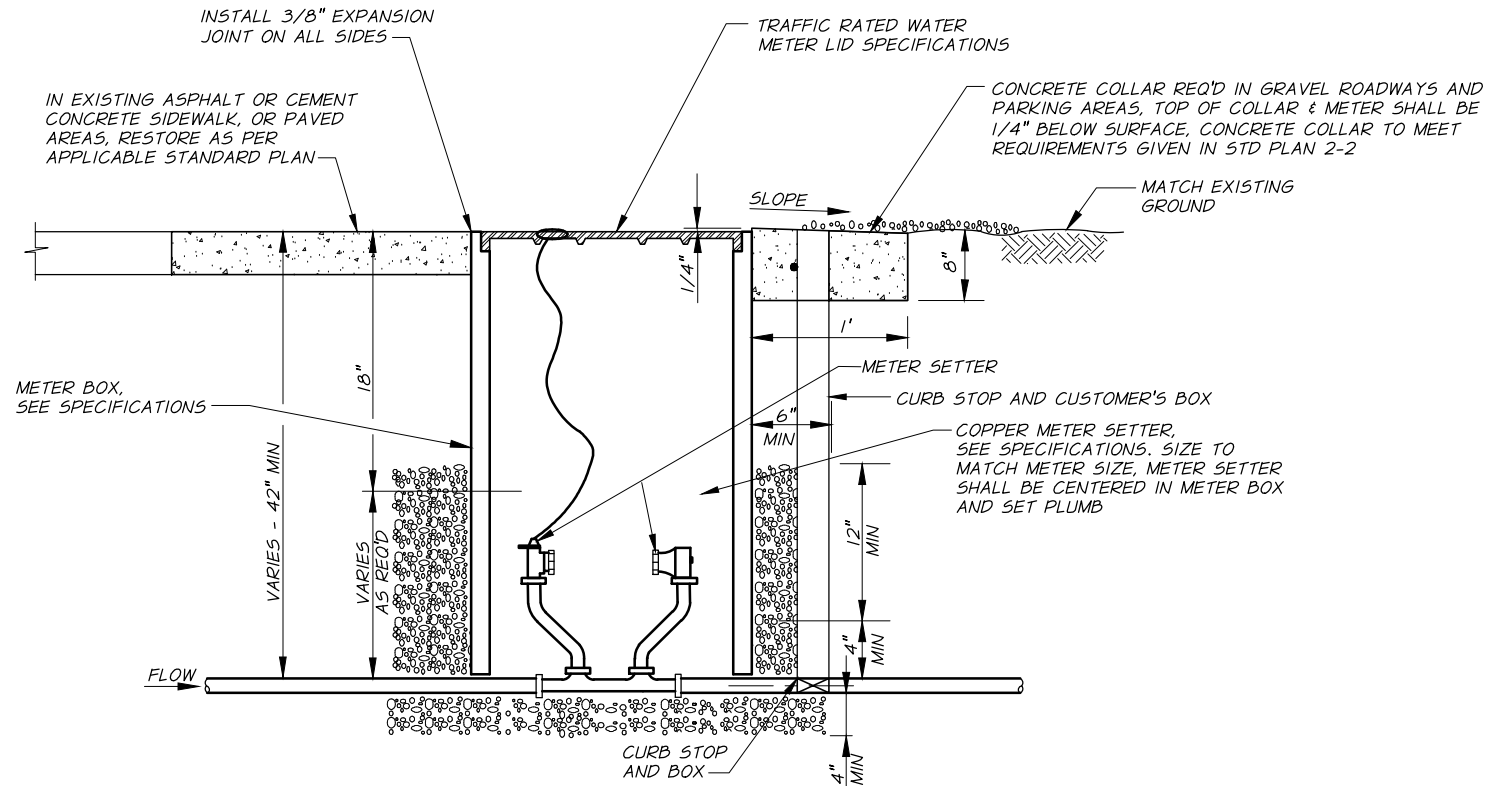
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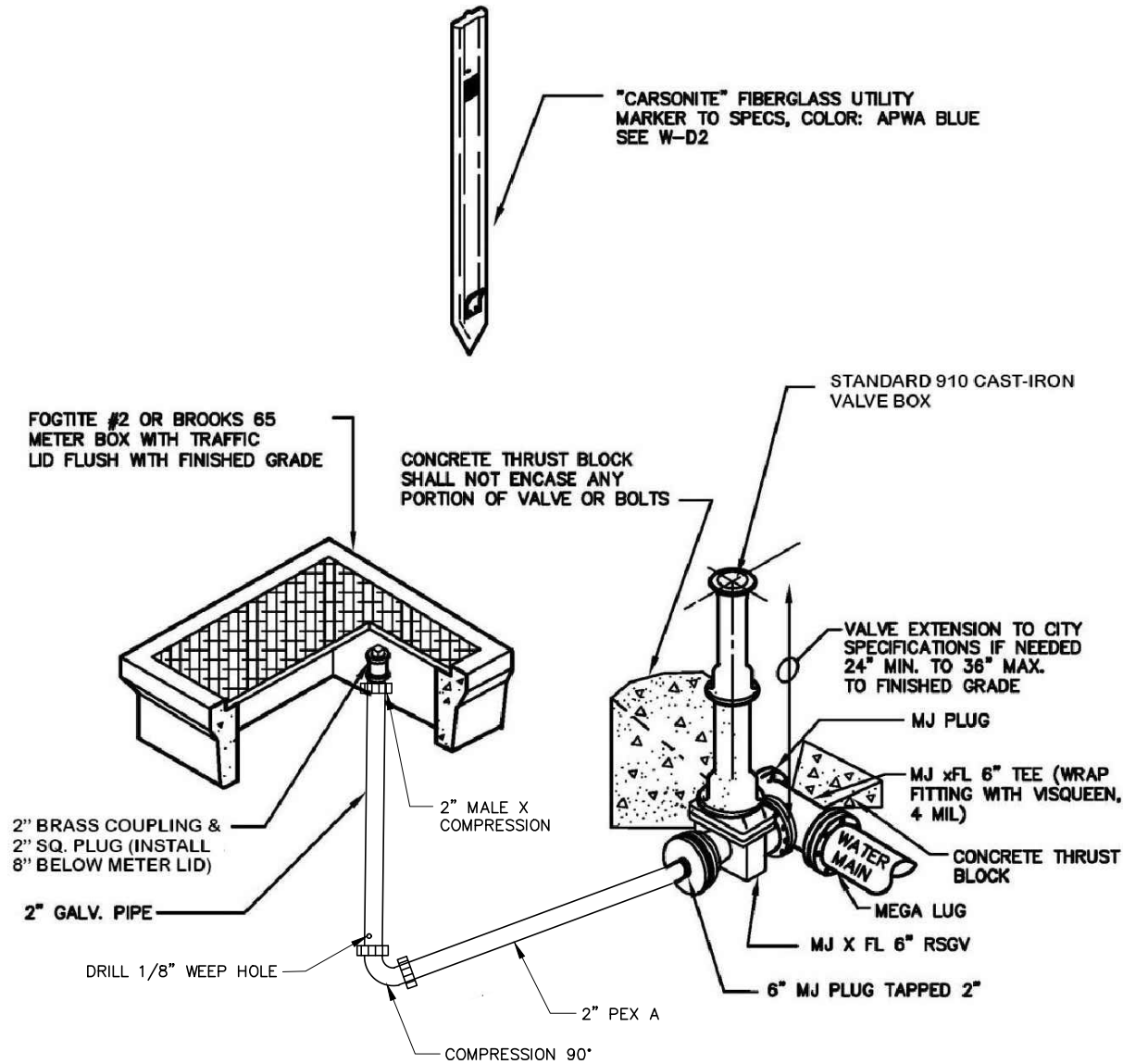
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**CITY OF
WHITE SALMON**

2" BLOWOFF ASSEMBLY

NTS

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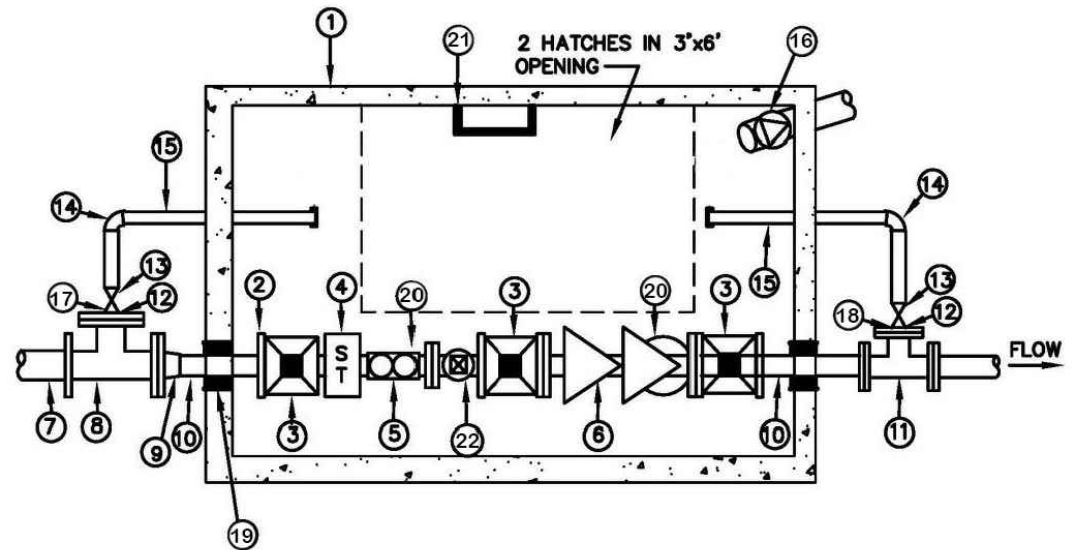
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- ① UTILITY VAULT 4484-LA OR APPROVED EQUAL
- ② UNIFLANGE ADAPTER
- ③ 3" RWGV
- ④ 3" STRAINER
- ⑤ MASTER METER 3" OCTAVE METER W/RADIO READ REGISTER
- ⑥ STATE HEALTH DEPT. APPROVED 3" DOUBLE CHECK VALVE ASSEMBLY
- ⑦ 4" DIP
- ⑧ 4" TEE (MJ X FL) W/MEGA LUGS
- ⑨ 4" X 3" REDUCER (4" PE X 3" MJ) W/MEGA LUG
- ⑩ 3" DIP
- ⑪ 3" TEE (MJ X FL) W/MEGA LUGS
- ⑫ 2" BRASS CLOSE NIPPLE
- ⑬ 2" RWGV W/STANDARD VALVE BOX AND COVER
- ⑭ 2" BRASS ELBOW
- ⑮ 2" THREADED BRASS PIPE OR OTHER APPROVED MATERIAL
- ⑯ 6" PVC DRAIN TO DAYLIGHT OR CB. MINIMUM SLOPE 1% SCREENS AT BOTH ENDS W/BACKWATER VALVE IN VAULT
- ⑰ 4" BLIND FLANGE TAPPED 2"
- ⑱ 3" BLIND FLANGE TAPPED 2"
- ⑲ NON-SHRINK WATER TIGHT GROUT, INLETS AND OUTLETS
- ⑳ PLACE PIPE SUPPORTS STANDON S-92 OR EQUAL UNDER ASSEMBLY IN TWO PLACES
- ㉑ GALV STEEL LADDER, LOCATE AS DIRECTED BY CITY, SECURE TO VAULT
- ㉒ 3" TEE (FL), 3" BLIND FLANGE TAPPED 2" (FIP), 2" CLOSENIPPLE BRASS, 2" BALL VALVE, 2" MIPx 2 1/2" NST HOSE NOZZLE, 2 1/2" NST CAP

*LARGER SERVICES REQUIRE 3" FITTINGS AND PIPE BE REPLACED WITH LARGER/LIKE SIZE.

**4" DIAMETER AND SMALLER DIP SHALL BE CLASS 53 IF USED IN A THREADED APPLICATION.



**CITY OF
WHITE SALMON**

3" AND LARGER WATER SERVICE AND INSTALLATION

NTS

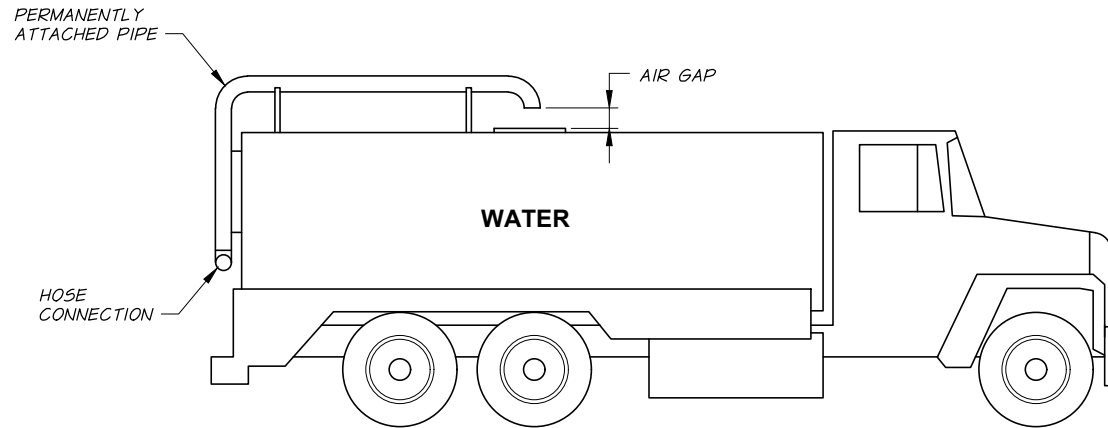
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NOTES:

1. MINIMUM AIR GAP SHALL BE 2x PIPE INSIDE DIAMETER OR 2" WHICHEVER IS GREATER.
2. ALL INSTALLATIONS ARE SUBJECT TO APPROVAL BY THE CITY.
3. FLEXIBLE HOSES OR TUBING WHICH MAY BE BENT OR EASILY ALTERED TO REDUCE THE AIR GAP ARE NOT ALLOWED.
4. WATER TRUCKS MUST BE FILLED AT LOCATIONS APPROVED BY THE CITY THROUGH A DESIGNATED METERED ASSEMBLY.

**CITY OF
WHITE SALMON**

MINIMUM AIR GAP FOR WATER TRUCKS

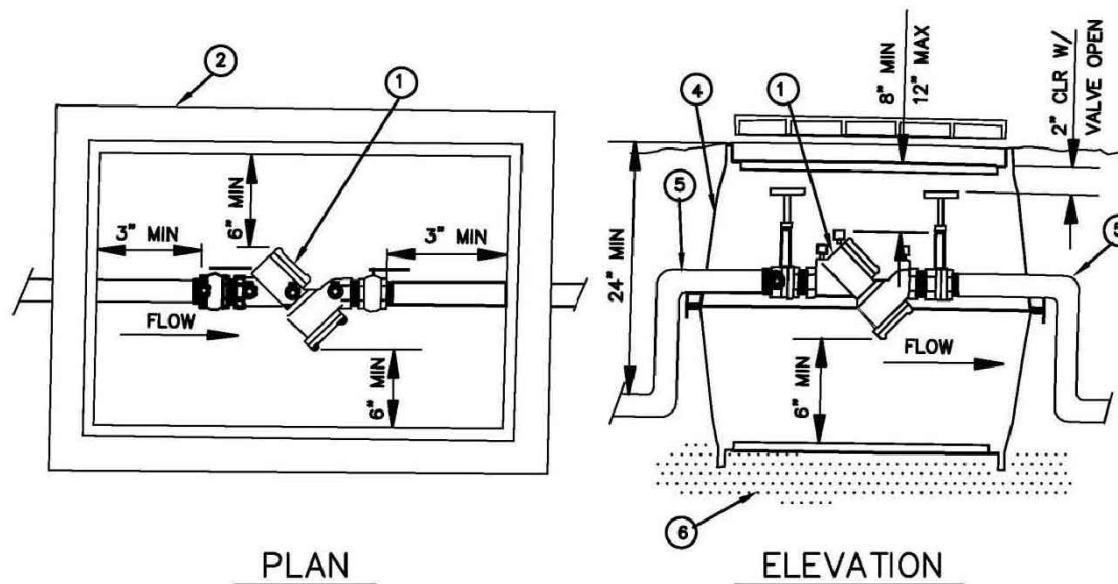
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LEGEND

- ① STATE APPROVED DOUBLE CHECK VALVE ASSEMBLY
- ② IN NON-TRAFFIC AREAS USE:
PRECAST CONCRETE VAULT (UTILITY VAULT CO 233-LA, OR APPROVED EQUAL) OR
METER BOX (FOGITE #2 OR BROOKS #65)
IN TRAFFIC AREAS:
A TRAFFIC LOADED BOX MUST BE USED AND LOCATION APPROVED BY THE CITY
PRIOR TO INSTALLATION.
- ③ ALL ASSEMBLIES SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH WASHINGTON STATE
DEPARTMENT OF HEALTH REQUIREMENTS.
- ④ THERE MUST BE A 4" MIN LAYER OF FREE DRAINING GRAVEL AT THE BOTTOM OF BOX.
- ⑤ ANGLES MAY BE IN OR OUT OF BOX SO LONG AS SUFFICIENT ROOM IS ALLOWED AT EACH
END FOR VALVE OPERATOR AND DCVA REPAIR OR MAINTENANCE.
- ⑥ PROVIDE FREE DRAINING SOIL.

NOTES

1. ALL TEST COCKS MUST HAVE BRASS CAPS.
2. TEST COCKS MUST FACE UP OR SIDEWAYS WHICH EVER IS MORE ACCESSIBLE

**CITY OF
WHITE SALMON**

DOUBLE CHECK VALVE ASSEMBLY FOR 2" AND SMALLER SERVICE

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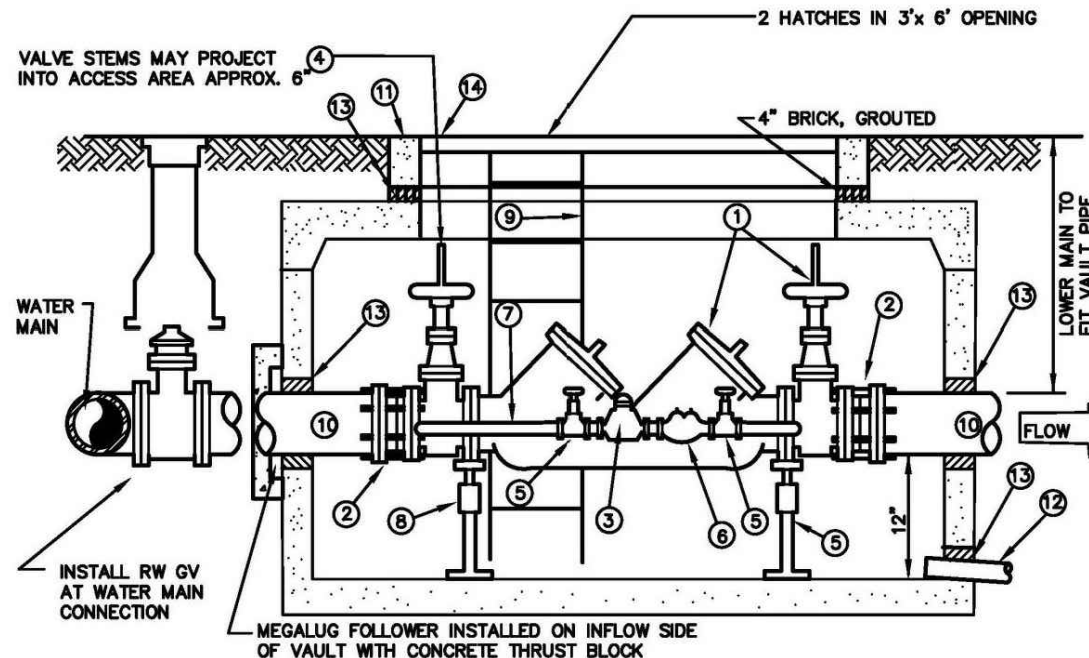
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NO.	DESCRIPTION
1	STATE APPROVED DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) BACKFLOW PREVENTION ASSEMBLY WITH O.S.&Y. R.W. GATE VALVE
2	ROMAC STYLE 'FCA 501' FLANGED COUPLING ADAPTER
3	5/8" X 3/4" MASTER METER W/ALLEGRO RADIO READ REGISTER: 6 WHEEL READING IN GALLONS
4	LOCATE CENTER OF VALVE 15" FROM CENTER OF VAULT TO ALLOW STEMS TO EXTEND INTO ACCESS OPENING WHEN APPLICABLE.
5	3/4" SHUTOFF VALVE; BRASS BALL VALVE
6	STATE APPROVED 3/4" DOUBLE CHECK VALVE ASSEMBLY (DCVA)
7	BRASS DETECTOR CHECK PIPING (BY PASS LINE)
8	2 EA. GALVANIZED ADJUSTABLE STANCHIONS (LOCATE AT ENDS OF DOUBLE CHECK ASSEMBLY)
9	GALVANIZED STEEL LADDER, LOCATE AS DIRECTED BY CITY, SECURE TO VAULT
10	PIPE SPOOK, CL. 52 D.I., PLAN END
11	"UTILITY VAULT" OR APPROVED EQUAL WITH 4" BRICK AND ADJUSTABLE COVER; 2 ACCESS HATCHES; EXCEPT 3 HATCHES FOR 10" DCDA. LW PRODUCTS OR EQUAL, H-20 LOADING
	4" DCDA, USE 575 LA + 57 AT (4'-2" X 6'-6" X 4'-0" INSIDE)
	6" DCDA, 4484 LA + 57 AT (4'-4" X 8'-4" X 6'-2" INSIDE)
	8" DCDA, 5106 LA + 57 AT (5'-0" X 10'-6" X 4'-4" INSIDE)
	8" DCDA, 5106 LA + 57 AT (5'-0" X 10'-6" X 6'-2" OR 4'-4" INSIDE)
	10" DCDA, 5106 LA + 5106 AT (3 HATCH) (5'-0" X 10'-6" X 6'-2" OR 4'-4")
12	6" PVC DRAIN, DISCHARGE TO DAYLIGHT OR TO CATCH BASIN. MINIMUM SLOPE 1% UNLESS OTHERWISE APPROVED. ADD SCREENS AT BOTH ENDS.
13	WATERTIGHT GROUT, INLET AND OUTLET PIPE, DRAIN PIPE AND BRICK ACCESS OPENING
14	SIGN READING "DANGER-PERMIT REQUIRED-CONFINED SPACE, DO NOT ENTER"



NOTE:
AFTER PRESSURE TEST AND PURITY SAMPLES ARE RECEIVED, A CERTIFIED BACKFLOW ASSEMBLY TESTER SHALL SUPPLY CITY WITH A WRITTEN TEST REPORT ON EACH BACKFLOW ASSEMBLY.

CITY OF
WHITE SALMON

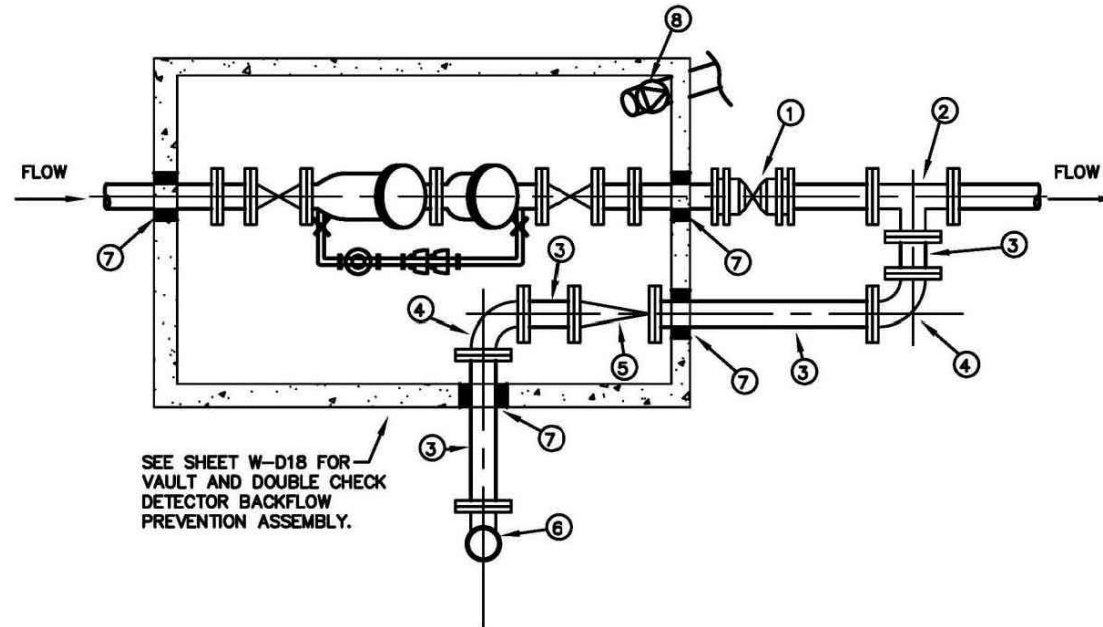
DOUBLE CHECK VALVE DETECTOR BACKFLOW PREVENTION ASSY.

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NO.	DESCRIPTION
1	POST INDICATOR VALVE, MJ WITH MEGALUGS
2	MAIN LINE SIZE X 4" TEE, MJ WITH MEGALUGS
3	4" DUCTILE IRON PIPE, CLASS 52*
4	4" x 90° BENDS, MJ WITH MEGALUGS
5	4" FLAPPER CHECK VALVE WITH BALL CHECK DRAIN VALVE, MJ WITH MEGALUGS
6	FIRE DEPARTMENT CONNECTION 5" STORZ ADAPTER. CONNECTION TO COMPLY WITH FIRE DEPARTMENT REQUIREMENTS. ALL ABOVE GROUND PIPING TO BE PAINTED SAME COLOR RED AS P.I.V.
7	WATERTIGHT GROUT
8	6" PVC DRAIN TO DAYLIGHT OR CB, MINIMUM SLOPE 1%. SCREEN AT BOTH ENDS W/BACKWATER VALVE IN VAULT

* 4" DIAMETER AND SMALLER DUCTILE IRON PIPE SHALL BE CLASS 53 IF USED IN A THREADED APPLICATION.

**CITY OF
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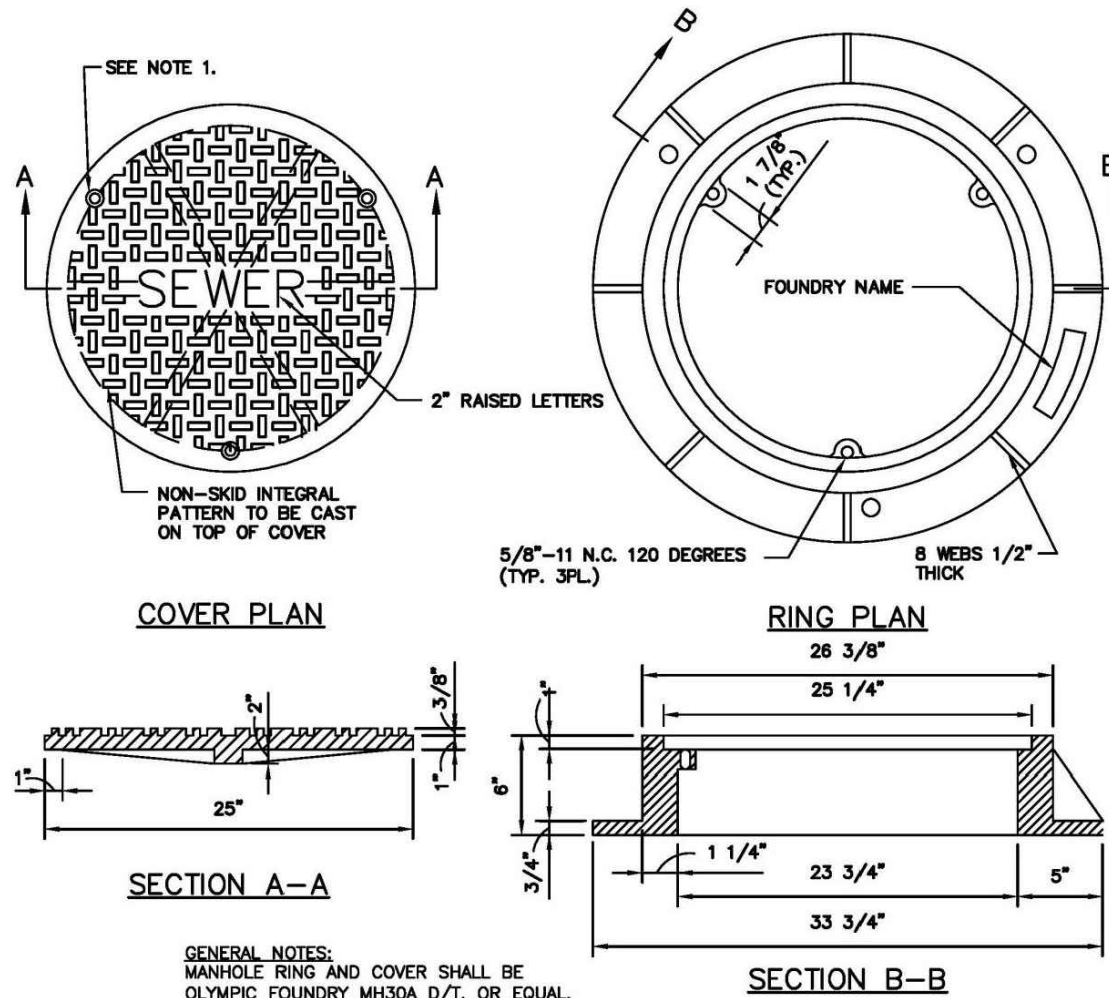
FIRE LINE CONNECTION

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COVER NOTES:

1. USE WITH THREE LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) BOLTS, 3" LONG.
2. COVER MATERIAL IS DUCTILE IRON ASTM A536 GRADE 80-55-06.
3. SHALL CONFORM TO SEC. 9-05.15 OF THE STANDARD SPECIFICATIONS, AS MODIFIED HEREIN.
4. APPROXIMATE WEIGHT OF COVER IS 150 LBS.
5. RATING - H30.

RING NOTES:

1. RING SHALL HAVE THREE 5/8"-11 NC HOLES THROUGH RING AT 120°.
2. RING MATERIAL IS GREY IRON, ASTM A-48 CLASS 30.
3. SHALL CONFORM TO SEC. 9-05.15 OF THE STANDARD SPECIFICATIONS, AS MODIFIED HEREIN.
4. APPROXIMATE WEIGHT OF RING IS 215 LBS.
5. RATING - H30.

**CITY OF
WHITE SALMON**

STANDARD MANHOLE FRAME AND COVER

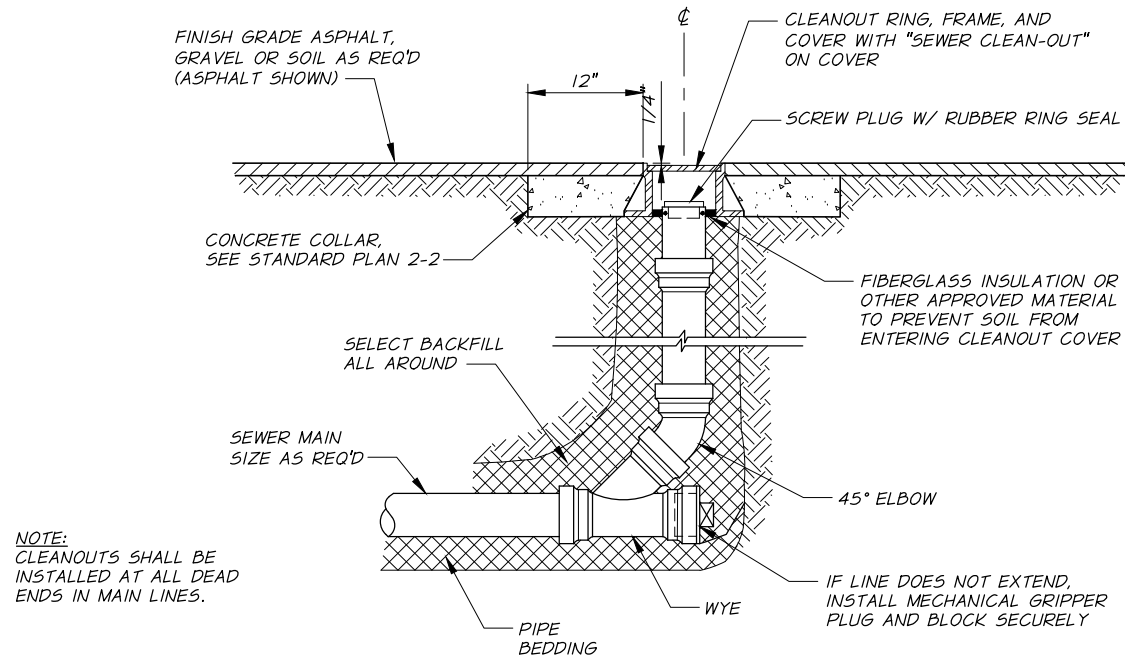
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**CITY OF
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SANITARY SEWER CLEANOUT

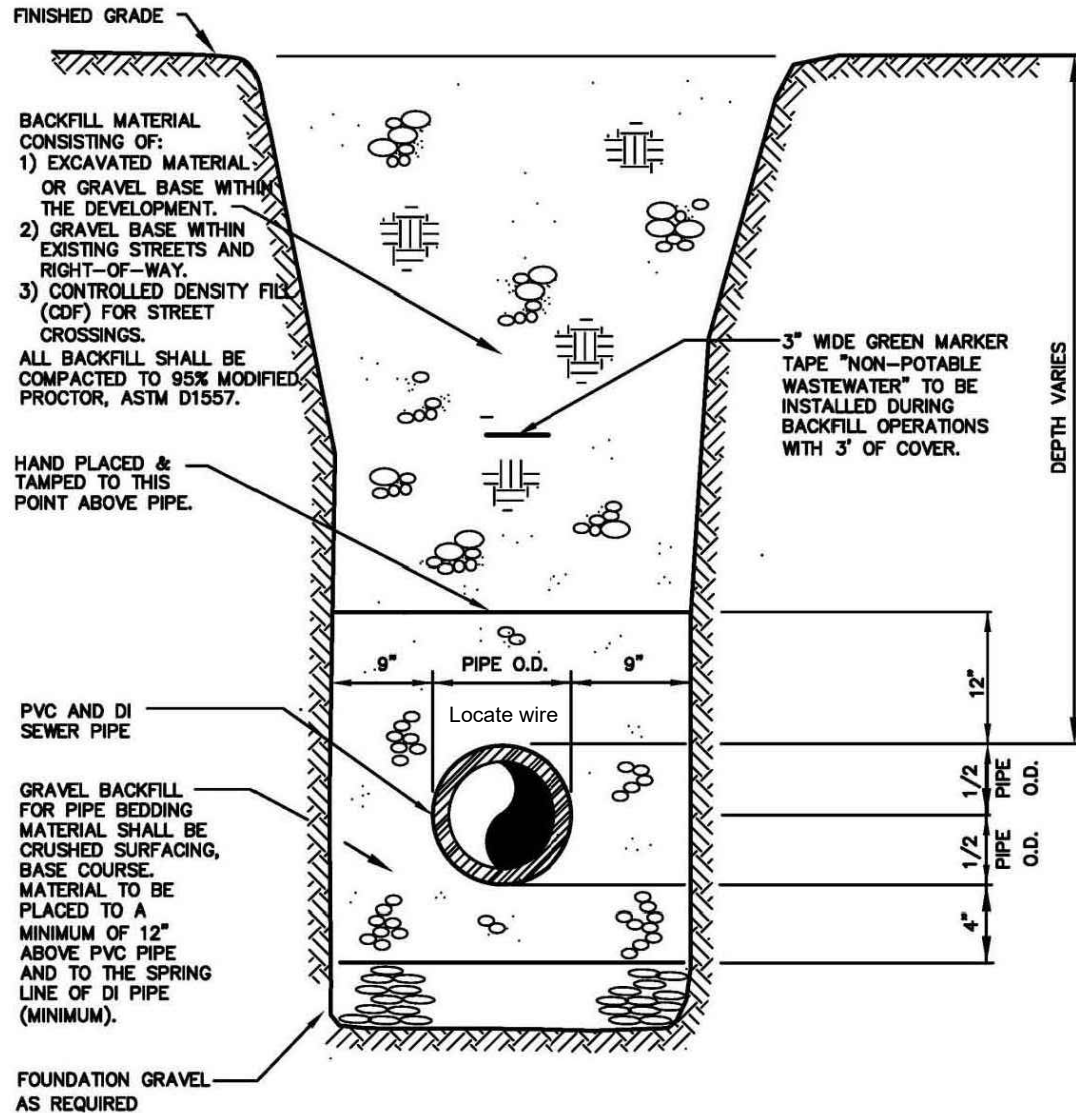
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NOTES:

THE DEVELOPER SHALL PROVIDE THE CITY WITH LABORATORY TEST RESULTS INDICATING COMPACTION OF THE TRENCHES MEET THE REQUIREMENT OF 95% MODIFIED PROCTOR, ASTM D1557

**CITY OF
WHITE SALMON**

SANITARY SEWER TYPICAL TRENCH SECTION

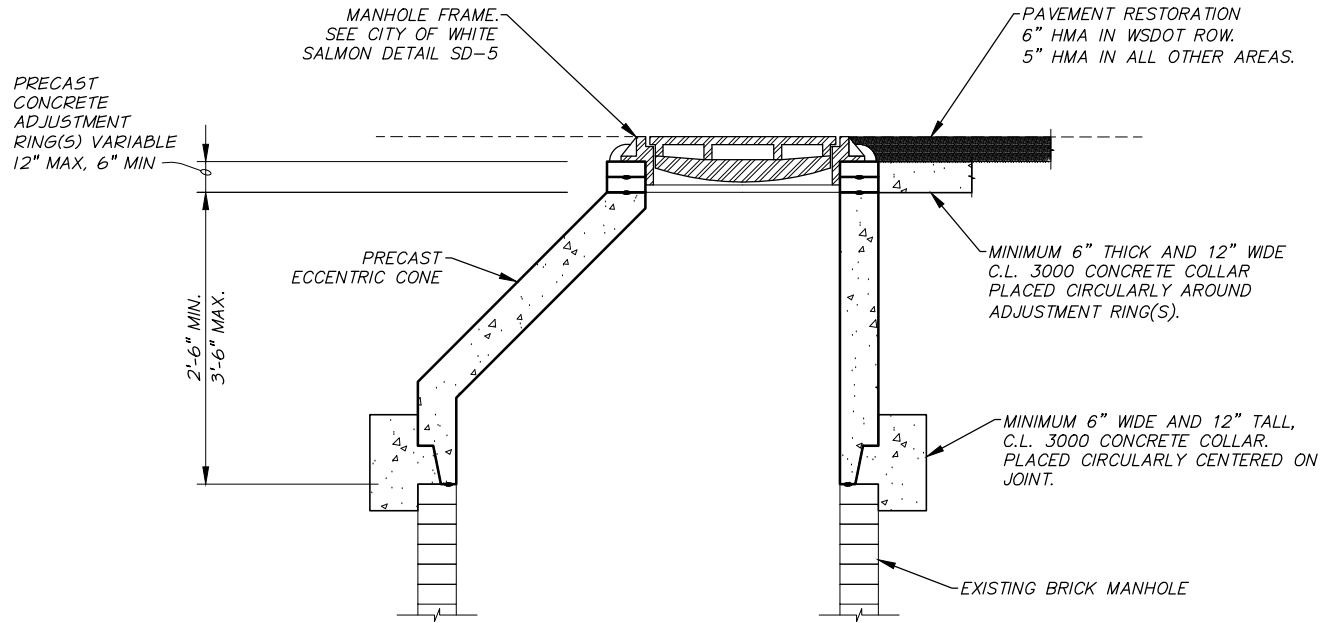
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CONSTRUCTION NOTES

1. PRECAUTIONS MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE MANHOLE DURING THE ENTIRE REMOVAL AND RECONSTRUCTION PROCESS. THE CONTRACTOR WILL BE REQUIRED TO CLEAN THE SEWER AT NO ADDITIONAL COST TO THE OWNER.
2. CUT AND REMOVE ASPHALT PAVEMENT, AROUND THE EXISTING MANHOLE AND CASTING. 10' x 10' MAXIMUM RECTANGULAR FOR CONE INSTALLATION CENTERED ABOUT THE EXISTING MANHOLE. 6' x 6' MAXIMUM RECTANGULAR FOR FRAME AND LID CASTING REPLACEMENT ONLY.
3. REMOVE AND DISPOSE OF ASPHALT, CASTING, AGGREGATE/NATIVE MATERIAL AROUND THE MANHOLE, AND EXISTING BRICK MASONRY CHIMNEY TO AT LEAST THE DEPTH NEEDED FOR INSTALLATION OF NEW PRECAST ECCENTRIC CONE TO A SOLID STRUCTURE.
4. REMOVE THE MATERIAL TO A MINIMUM OF 6 INCHES BELOW THE LEVEL OF THE TOP OF THE REMAINING MASONRY. CLEAN THE TOP SURFACE OF THE REMAINING MASONRY MANHOLE. THE OWNER/ENGINEER SHALL INSPECT THE MASONRY MANHOLE FOR STRUCTURAL INTEGRITY PRIOR TO RECONSTRUCTION.
5. PROVIDE A GROUT LEVELING COURSE OF NOT LESS THAN 1/2" PRIOR TO PLACEMENT OF THE NEW PRECAST ECCENTRIC CONCRETE CONE AND A WATERTIGHT SEAL BETWEEN THE EXISTING WALL AND NEW CONE. A CONCRETE COLLAR SHALL BE POURED AROUND THE JOINT. COLLAR TO BE MINIMUM 6 INCHES WIDE AND 12 INCHES HIGH CENTERED ON THE JOINT.
6. BACKFILL THE NEW CONE WITH WELL-GRADED 3/4-0" CRUSHED ROCK CONFORMING TO THE REQUIREMENTS OF SECTION 9-03.9(3) CRUSHED SURFACING TOP COURSE, WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION M41-10 CURRENT EDITION. THE CRUSHED SURFACING SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR.
7. MANHOLE STEPS NOT REQUIRED.

**CITY OF
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MANHOLE CHIMNEY REHABILITATION DETAIL

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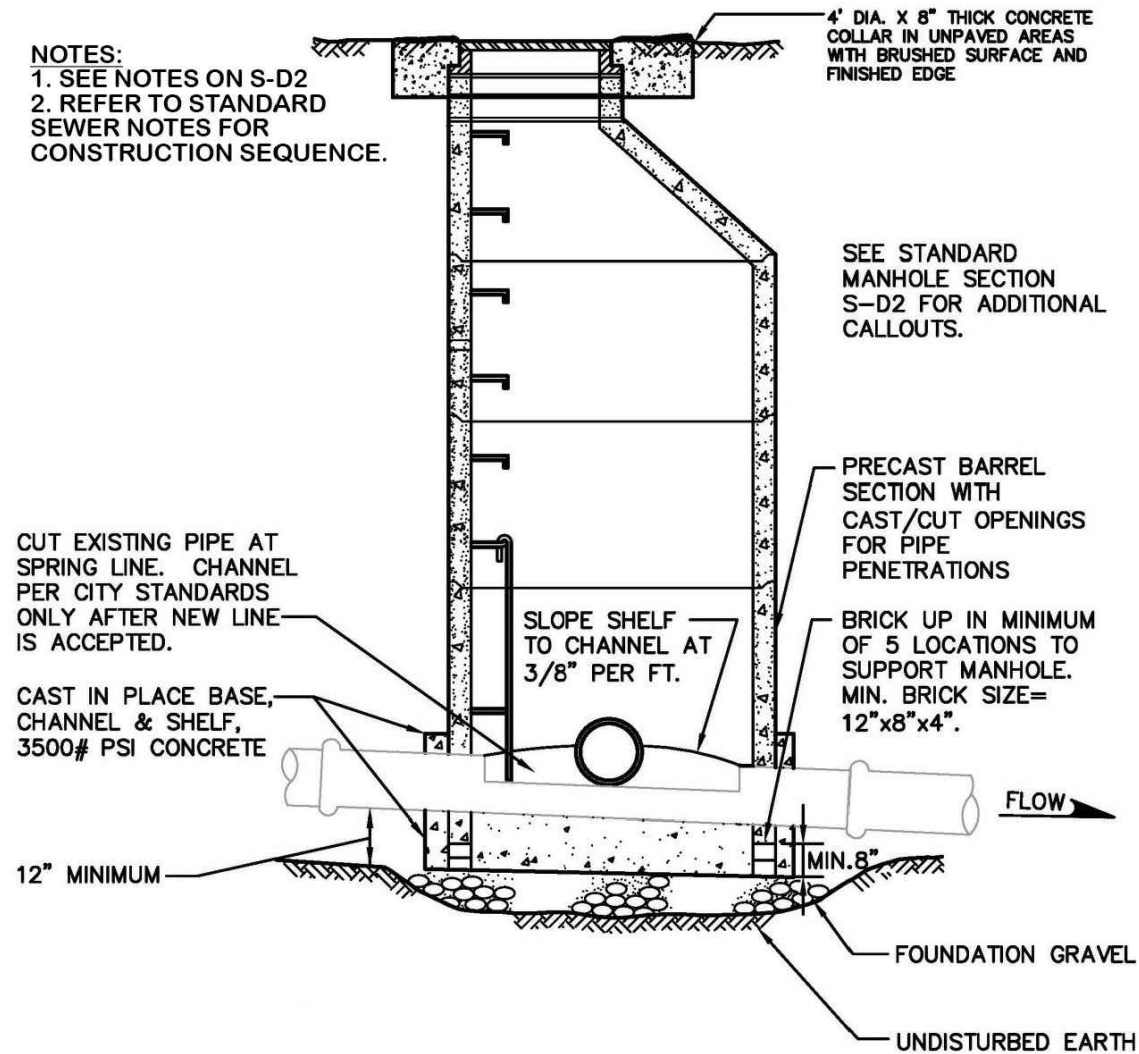
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NOTES:

1. SEE NOTES ON S-D2
2. REFER TO STANDARD SEWER NOTES FOR CONSTRUCTION SEQUENCE.



**CITY OF
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SANITARY SEWER SADDLE MANHOLE

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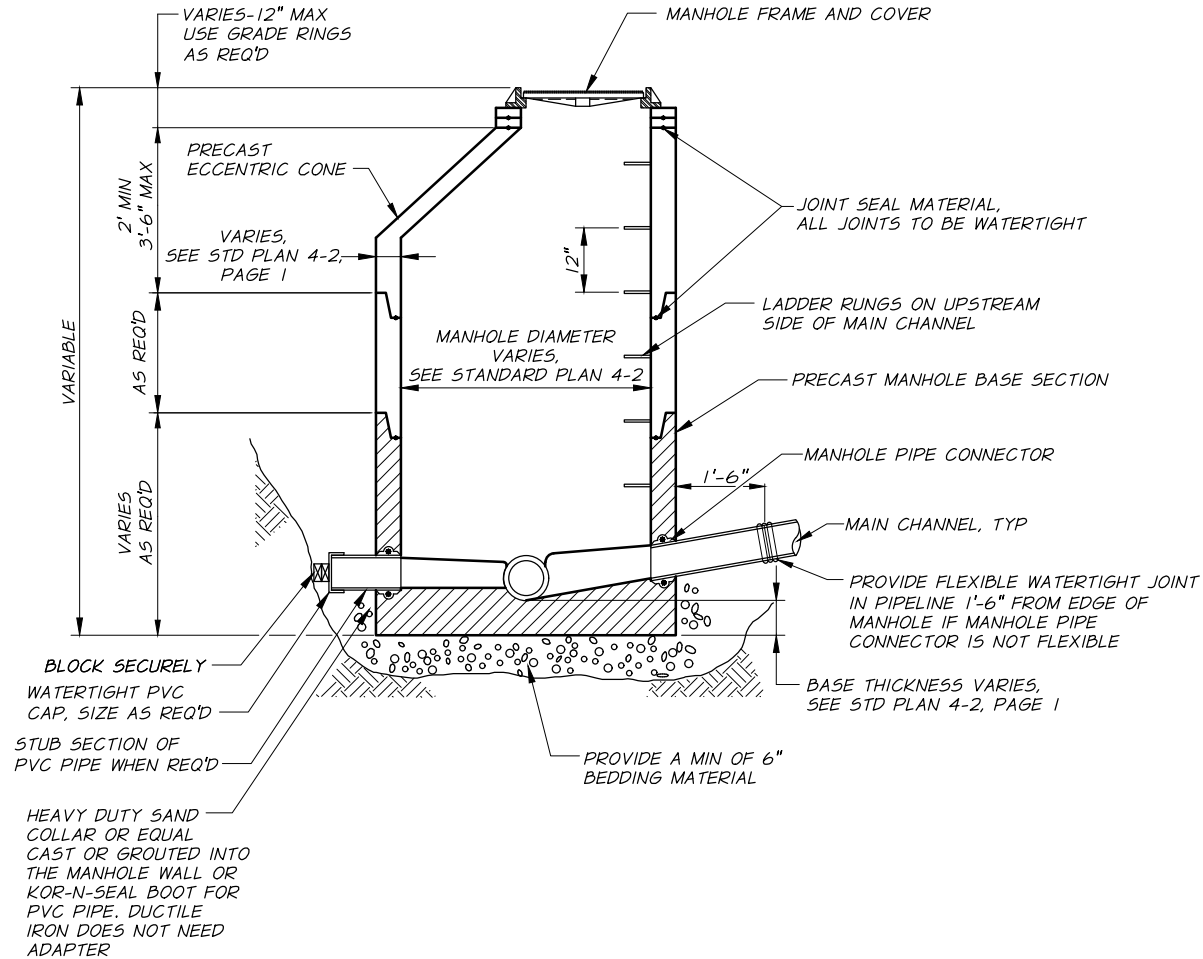
- NOTE:
THIS DETAIL IS CONCEPTUAL ONLY.
EACH BASE WILL HAVE IT'S OWN
UNIQUE LAYOUT.

48" FOR DEPTH < 20 FT.
54" FOR DEPTH ≥ 20 FT.
60' FOR PIPE DIA. ≥ 20 FT.
72" FOR PIPE DIAM. ≥ 24"

MANHOLE DIMENSION TABLE

DIAMETER	WALL THICKNESS	BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS	BASE REINFORCING STEEL IN ² /ft. IN EACH DIRECTION	
					SEPARATE BASE	INTEGRAL BASE
48"	4"	6"	36"	8"	0.23	0.15
54"	4.5"	8"	42"	8"	0.19	0.19
60"	5"	8"	48"	8"	0.25	0.25

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STANDARD PRECAST BASE MANHOLE

**CITY OF
WHITE SALMON**

STANDARD MANHOLE

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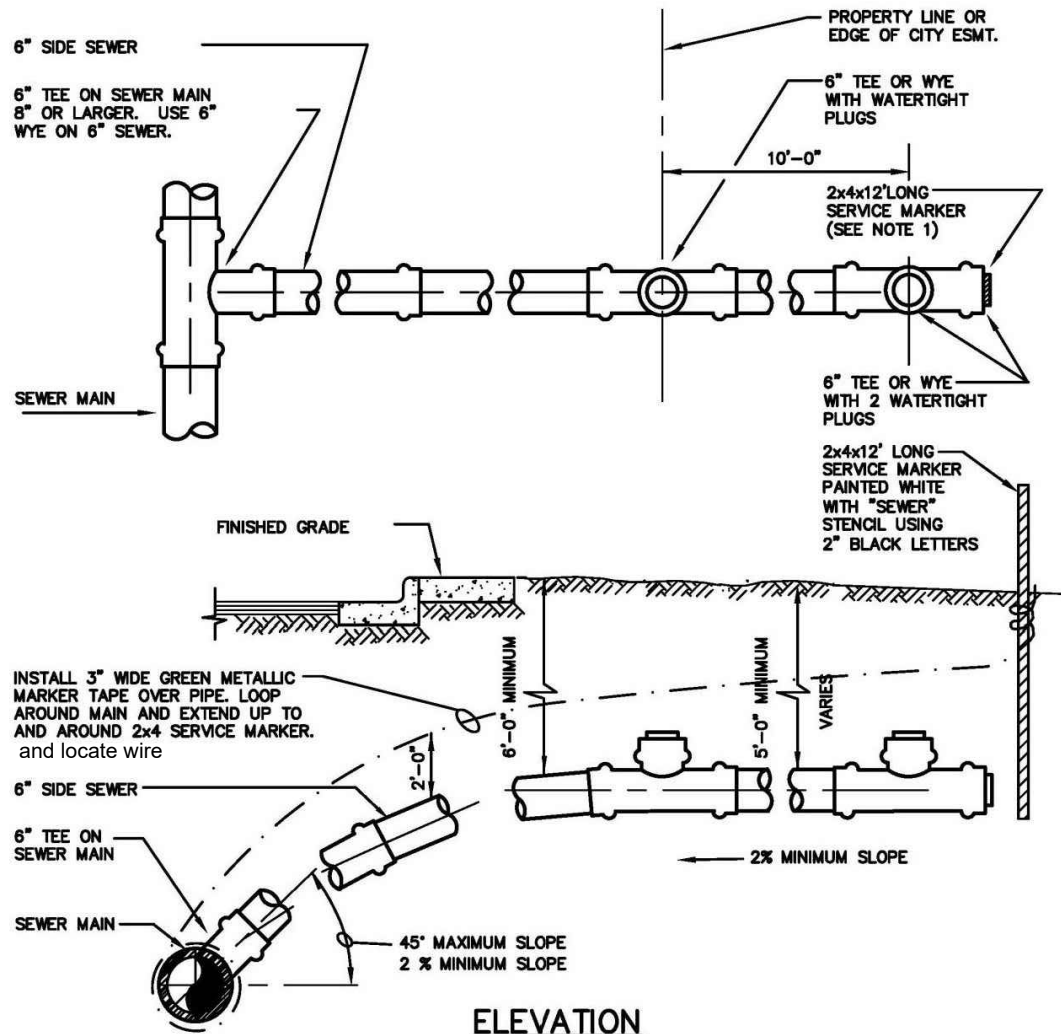
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NOTES:

1. PAINT PORTION OF SERVICE MARKER THAT IS ABOVE FINISHED GRADE WITH WHITE PAINT. STENCIL WITH BLACK LETTERS "S/S" USING 3" HIGH LETTERS. LOCATE MARKER AT END OF EACH SERVICE.
2. SIDE SEWER TO BE LOCATED NEAR CORNER OF LOT ON LOWER SIDE OF PROPERTY UNLESS OTHERWISE APPROVED BY THE CITY.
3. MAXIMUM DEFLECTION NOT TO EXCEED PIPE MANUFACTURER RECOMMENDATIONS.
4. MANHOLE PER S-D2 REQUIRED 10' INTO PROPERTY ON ALL SIDE SEWERS OTHER THAN SINGLE FAMILY.

**CITY OF
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STANDARD SIDE SEWER

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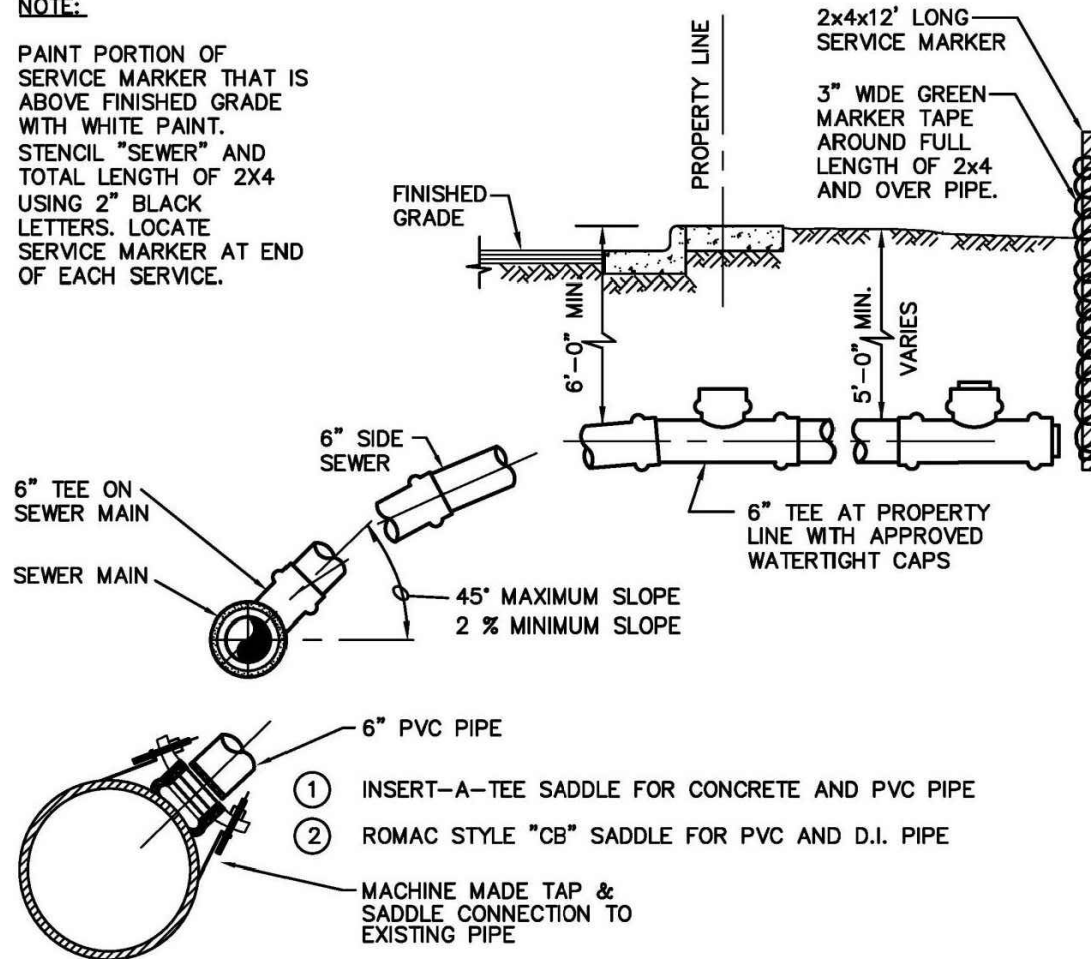
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NOTE:

PAINT PORTION OF SERVICE MARKER THAT IS ABOVE FINISHED GRADE WITH WHITE PAINT. STENCIL "SEWER" AND TOTAL LENGTH OF 2X4 USING 2" BLACK LETTERS. LOCATE SERVICE MARKER AT END OF EACH SERVICE.



NOTES:

1. SEE STANDARD SIDE SEWER DETAIL FOR NEW CONSTRUCTION.
2. DEVELOPER TO PROVIDE ALL MATERIALS, TRAFFIC CONTROL, PERMITS, SHORING AND MISC. WORK AS REQUIRED TO TAP THE MAIN AND INSTALL THE SIDE SEWER.
3. CUT-IN TEES ARE PERMITTED ONLY WITH CITY APPROVAL.
4. Install locate wire

**CITY OF
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SIDE SEWER LATERAL

NTS

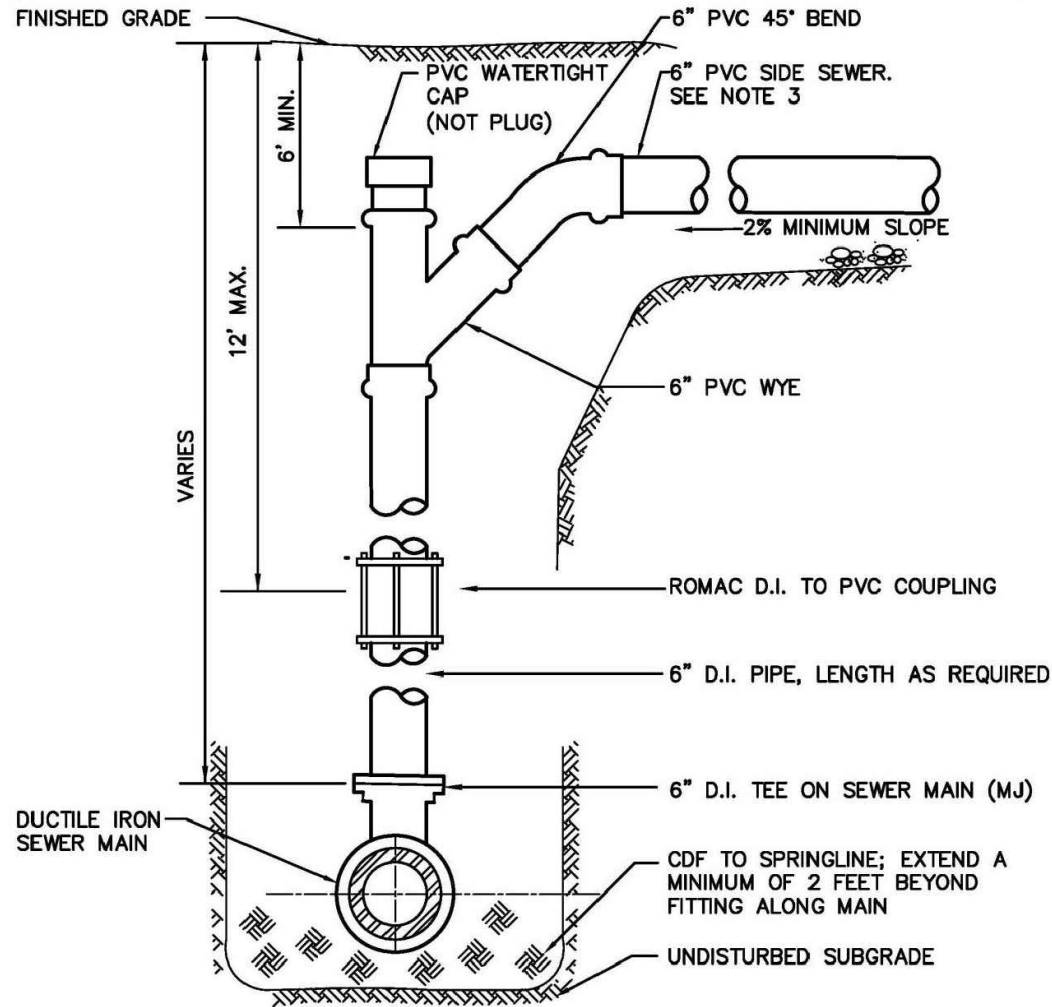
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NOTES:

1. USE OF STANDING SIDE SEWER REQUIRES CITY APPROVAL.
2. USE WILL ONLY BE CONSIDERED WHEN DEPTH OF MAIN EXCEEDS 18' AND REQUIRED DEPTH OF SIDE SEWER IS LESS THAN 10' AT PROPERTY LINE, AND WHERE STANDARD SIDE SEWER CONNECTION IS NOT FEASIBLE.
3. EXTEND 6" CLEANOUT TO SURFACE AT PROPERTY LINE (OR OTHER LOCATION AS DETERMINED BY THE CITY).
4. REFER ALSO TO STANDARD SIDE SEWER DETAIL FOR ADDITIONAL REQUIREMENTS.

**CITY OF
WHITE SALMON**

STANDING SIDE SEWER

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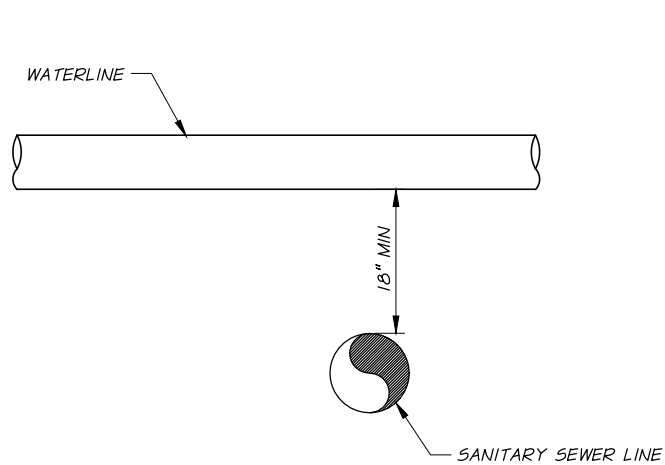
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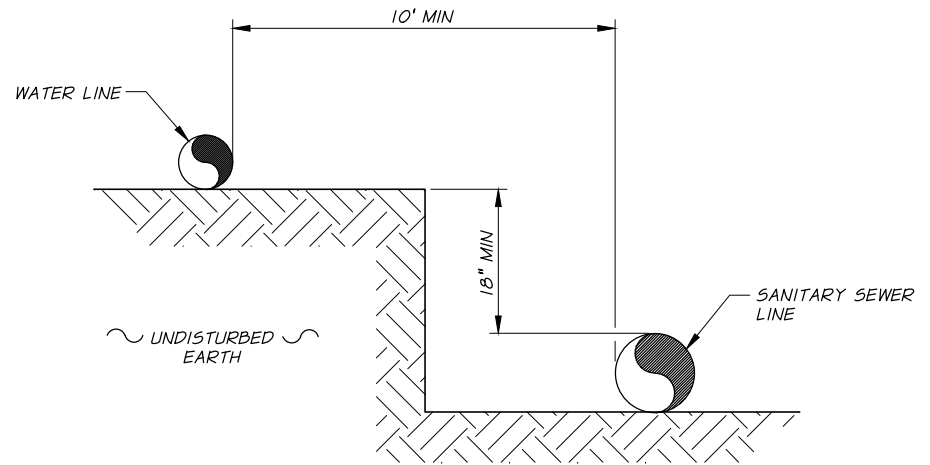
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PERPENDICULAR CONSTRUCTION



PARALLEL CONSTRUCTION

NOTE:

IF THE MINIMUM SEPARATION SHOWN ABOVE CANNOT BE ACHIEVED, THEN THE REQUIREMENTS FOR WATER/SEWER SEPERATION OUTLINED IN SECTION C1-9 OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY'S "CRITERIA FOR SEWAGE WORKS DESIGN", CURRENT EDITION SHALL BE FOLLOWED.

**CITY OF
WHITE SALMON**

MINIMUM WATER/SEWER SEPARATION

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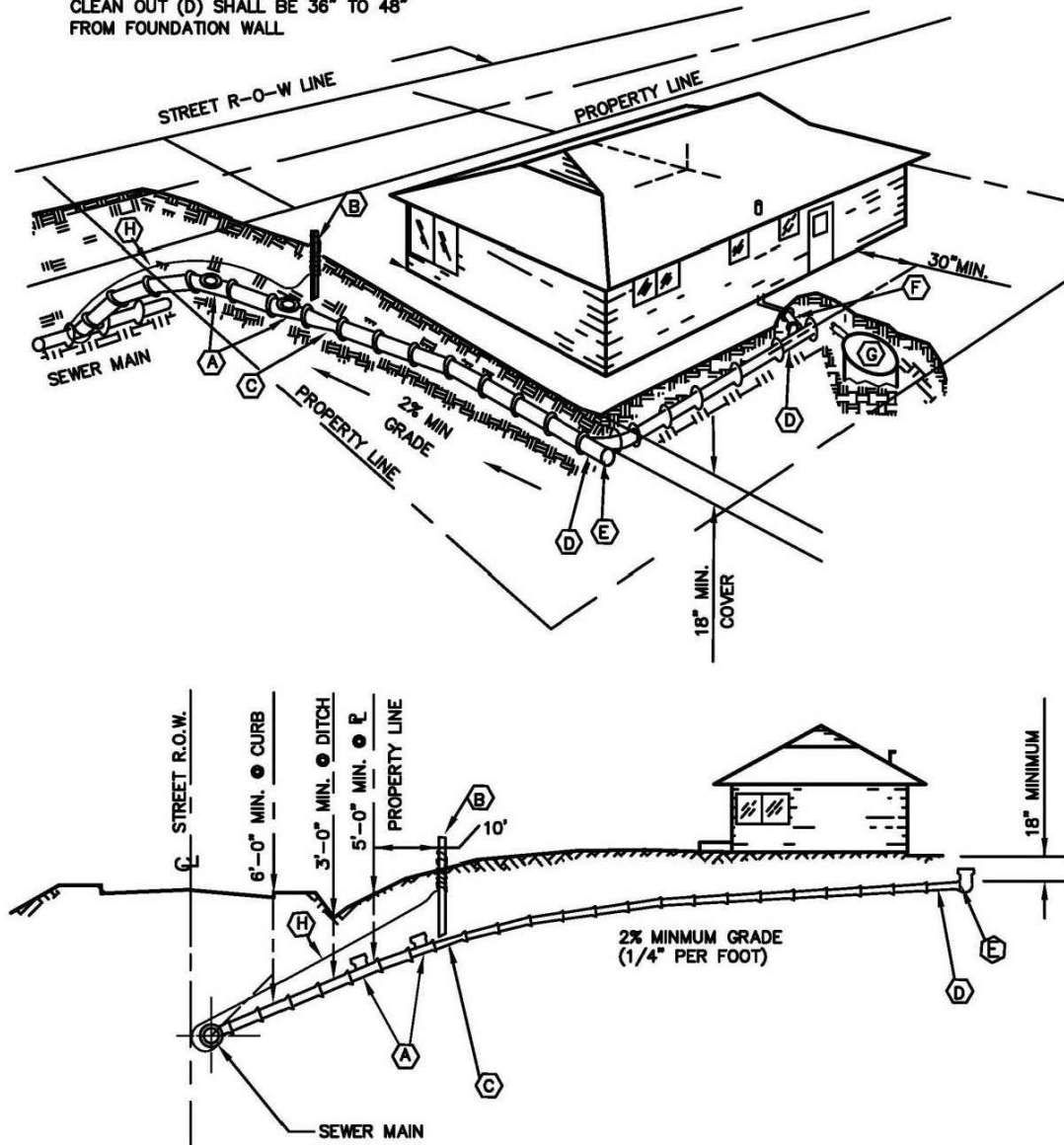
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NOTE:
CLEAN OUT (D) SHALL BE 36" TO 48"
FROM FOUNDATION WALL



**CITY OF
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TYPICAL SIDE SEWER CONNECTION

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- A. INSPECTION TEE
- B. 2 X 4 SERVICE MARKER
- C. APPROVED 6" X 4" REDUCER (SINGLE FAMILY RESIDENCE ONLY)
- D. WYE (CLEANOUT) AND 45 DEGREE BEND
- E. CLEANOUT WITH APPROVED PLUG. CLEANOUT SHALL BE BROUGHT TO WITHIN 18" OF SURFACE IN UNPAVED AREA OR BROUGHT TO SURFACE IN PAVED AREA WITH CAST-IRON COVER.
- F. 45 DEGREE BEND. CONNECT HOUSE SEWER PIPE TO SIDE SEWER WITH APPROVED ADAPTER.
- G. EXISTING SEPTIC TANK – CUT AND PLUG INLET LINE, PUMP TANK DRY AND FILL TANK WITH SUITABLE MATERIAL.
- H. FURNISH AND INSTALL 3" WIDE GREEN METALLIC MARKER TAPE AT 2' OVER PIPE. LOOP AROUND MAIN AND EXTEND UP TO AND AROUND 2"X4" SERVICE MARKER.

GENERAL NOTES

1. SIDE SEWER PIPE SHALL BE 4" OR LARGER FOR SERVICING SINGLE FAMILY AND 6" FOR SERVICING MULTIPLE (DUPLEXES), COMMERCIAL ESTABLISHMENTS, SCHOOLS, OR ANY BUILDING OTHER THAN SINGLE FAMILY RESIDENCES, DUCTILE IRON OR PVC ASTM 3034, AND SHALL BE INSTALLED AT 2% MIN. GRADE (1/4" FALL PER FOOT). CONSTRUCTION ON PRIVATE PROPERTY MAY BE DONE BY OWNER BUT REQUIRES A PERMIT.
2. ALL PIPE JOINTS SHALL BE RUBBER GASKET TYPE.
3. ALL PIPE SHALL BE BEDDED AND ENCASED WITH CRUSHED SURFACING 1-1/4" BASE COURSE ROCK IN ACCORDANCE WITH SECTION 9-03-9(3) OF THE WSDOT STANDARD SPECIFICATIONS, UNLESS OTHERWISE APPROVED BY THE CITY. BEDDING MATERIAL SHALL BE INSTALLED WITH A MINIMUM OF 3" BELOW THE BOTTOM OF THE PIPE TO 6" ABOVE THE TOP OF THE PIPE UNLESS OTHERWISE APPROVED BY THE CITY. BEDDING WITH SAND OR PEA GRAVEL WILL NOT BE ACCEPTED
4. ON PRIVATE PROPERTY MIN. COVER SHALL BE 18" OVER TOP OF PIPE AT 30" DISTANCE FROM BUILDING.
5. PARALLEL WATER AND SEWER LINES SHALL BE 10' APART HORIZONTALLY WHEREVER POSSIBLE.
6. CLEANOUTS AT STRUCTURE CONNECTION SHALL BE 30" FROM STRUCTURE WALL UNLESS APPROVED BY THE CITY.
7. CLEANOUTS ARE REQUIRED FOR 45° BEND OR ANY COMBINATION OF BENDS EQUAL TO 45° OR GREATER. DISTANCE BETWEEN CLEANOUTS SHALL NOT EXCEED 100'. CLEANOUT SHALL BE A PLUGGED TEE OR A PLUGGED WYE LATERAL.
8. 6" SEWER PIPE IS REQUIRED IN THE STREET RIGHT-OF-WAY AND SHALL HAVE A 2% MIN. GRADE. CONSTRUCTION IN STREET MUST BE DONE BY A STATE LICENSED SIDE SEWER CONTRACTOR AND REQUIRES A RIGHT OF WAY PERMIT FROM THE CITY OR COUNTY.
9. SIDE SEWER SHALL BE INSPECTED BY THE CITY PRIOR TO BACKFILLING. SIDE SEWER SHALL BE PLUGGED & TESTED IN PRESENCE OF CITY INSPECTOR BY FILLING WITH WATER. LEAKAGE RATE SHALL NOT EXCEED 0.31 GAL/HR FOR 4" PIPE & 0.47 GAL/HR FOR 6" PIPE, PER 100' OF PIPE.
10. THE OWNER AND/OR HIS/HER CONTRACTOR HEREBY AGREE TO SAFEGUARD THE WORK DONE UNDER THIS PERMIT IN SUCH A MANNER AS TO PREVENT INJURY AND/OR DAMAGE TO THE PUBLIC. SUCH PRECAUTIONS SHALL INCLUDE THE EMPLOYMENT OF ALL NECESSARY DITCH SAFEGUARDS SUCH AS LANTERNS, BARRICADES, A TRENCH BOX FOR ANY DITCH OVER 4' DEEP AND SAFE ACCESS OR EGRESS THROUGH THE WORKING AREA.
11. BACK-WATER VALVES MAY BE REQUIRED IF DWELLING HAS POSSIBILITY OF SEWAGE BACKING UP INTO THE DWELLING.

**CITY OF
WHITE SALMON**

SIDE SEWER INFORMATION

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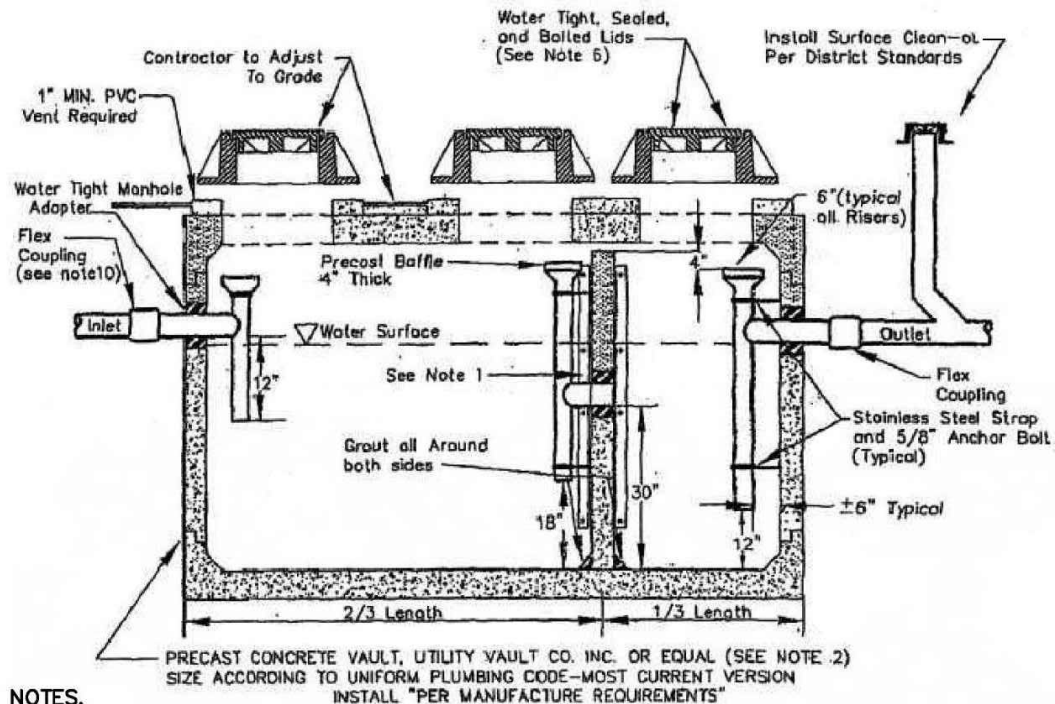
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NOTES.

1. IF VAULT IS NOT SLOTTED TO ACCEPT PRECAST CONC. BAFFLE THEN PRECAST CONC. SHALL BE HELD IN PLACE BY (2) 3"x3"x3/8" ANGLE (4 FT. LONG) ATTACHED TO VAULT WALL WITH (4 EA.) 1/2" BOLTS AND NUTS (WITH WASHERS) SPACED 14" O.C. ANGLE AND FASTENERS SHALL BE STAINLESS STEEL.
2. PRECAST VAULT AND BAFFLE SHALL HAVE KNOCKOUTS AT ALL PIPE OPENINGS. IF KNOCKOUTS ARE NOT PRESENT THEN PIPE OPENINGS SHALL BE 2" LARGER THAN PIPE DIAMETER.
3. POSITION RISERS BELOW ACCESS OPENINGS TO ALLOW CLEAR ACCESS TO RISER AND VAULT CHAMBER.
4. LOCATE INTERCEPTOR WITHIN CLOSE PROXIMITY OF DRIVE FOR ACCESS BY MAINT. VEHICLE.
5. CONNECTIONS TO CONCRETE WALLS REQUIRE WATERTIGHT MANHOLE ADAPTERS. SEAL ALL PIPE CONNECTIONS WITH NON-SHRINK GROUT.
6. LIDS, FRAMES, AND BOLTS SHALL MEET CITY STANDARDS FOR MANHOLE LIDS AND/OR CLEANOUTS AS APPLICABLE.
7. GRAY-WATER ONLY. BLACK-WATER SHALL BE CARRIED BY SEPARATE SIDE SEWER.
8. CLEANOUT REQUIRED PER CITY STANDARDS.
9. FILL WITH CLEAN WATER PRIOR TO START-UP OF SYSTEM.
10. ROMAC 501 FLEX COUPLING OR APPROVED EQUAL.
11. DISCHARGE REQUIRED TO COMPLY WITH CITY DISCHARGE LIMITS.
12. ALL RINGS AND COVERS SHALL BE BOLT-LOCKING TYPE. COMPLY WITH CITY STANDARDS.
13. GREASE INTERCEPTORS SHALL HAVE VENTING PER UNIFORM PLUMBING CODE (1" MINIMUM).
14. VAULT AND FITTINGS SHALL BE WATERTIGHT.
15. VAULT OPENINGS MUST PROVIDE ABILITY TO OBTAIN SAMPLE OF DISCHARGE AND VISUALLY INSPECT INLET AND DISCHARGE.

**CITY OF
WHITE SALMON**

GREASE INTERCEPTOR

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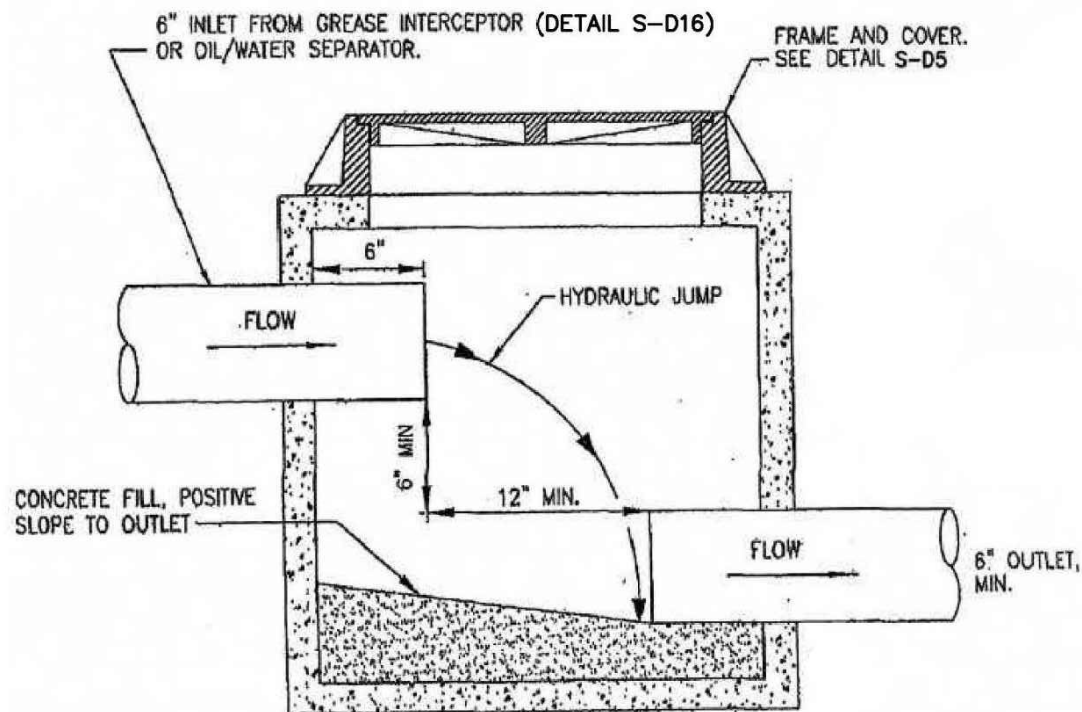
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NOTES:

1. COMPLY WITH ALL REGULATORY REQUIREMENTS OF JURISDICTIONAL AUTHORITY.
2. OUTLET PIPE SHALL BE OF EQUAL OR GREATER DIAMETER THAN THE INLET PIPE.
3. STRUCTURE AND FRAME AND COVER SHALL BE H-20 LOAD RATED IF LOCATED IN TRAFFIC AREA.

**CITY OF
WHITE SALMON**

**SAMPLE CHAMBER FOR GREASE INTERCEPTOR &
OIL/WATER SEPARATOR**

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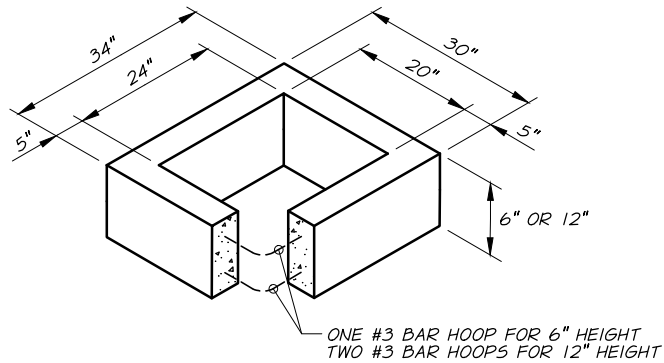
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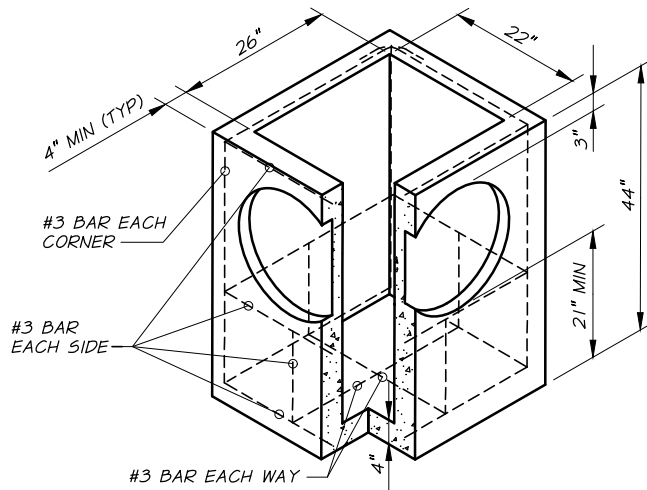
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RECTANGULAR ADJUSTMENT SECTION



PRECAST BASE SECTION

GENERAL NOTES

1. MINIMUM CATCH BASIN REINFORCEMENT IS SHOWN. WIRE MESH REINFORCEMENT MAY BE ALLOWED ON A CASE BY CASE BASIS.
2. THE KNOCKOUT DIAMETER SHALL NOT BE GREATER THAN 20". KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM TO 2.5" MAXIMUM. PROVIDE A 1.5" MINIMUM GAP BETWEEN THE KNOCKOUT WALL AND THE OUTSIDE OF THE PIPE. AFTER THE PIPE IS INSTALLED, FILL THE GAP WITH JOINT MORTAR IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 9-04.3.
3. THE MAXIMUM DEPTH FROM THE FINISHED GRADE TO THE LOWEST PIPE INVERT SHALL BE 5'.
4. THE PRECAST BASE SECTION MAY HAVE A ROUNDED FLOOR, AND THE WALLS MAY BE SLOPED AT A RATE OF 1:24 OR STEEPER.
5. THE OPENING SHALL BE MEASURED AT THE TOP OF THE PRECAST BASE SECTION. ALL PICKUP HOLES SHALL BE GROUTED FULL AFTER THE BASIN HAS BEEN PLACED.
6. GRATE TYPE SHALL BE DESIGNED FOR THE PARTICULAR APPLICATION. VANED GRATES SHALL BE USED IN CURB FLOW LINES. HERRINGBONE GRATES SHALL BE USED IN OTHER LOCATIONS.
7. ALL PIPES SHALL BE CUT FLUSH TO THE INSIDE FACE OF THE CATCH BASIN AND GROUTED IN PLACE WITH NON-SHRINK MATERIAL.

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
SOLID WALL PVC (WSDOT STD SPEC 9-05.12(1))	15"

**CITY OF
WHITE SALMON**

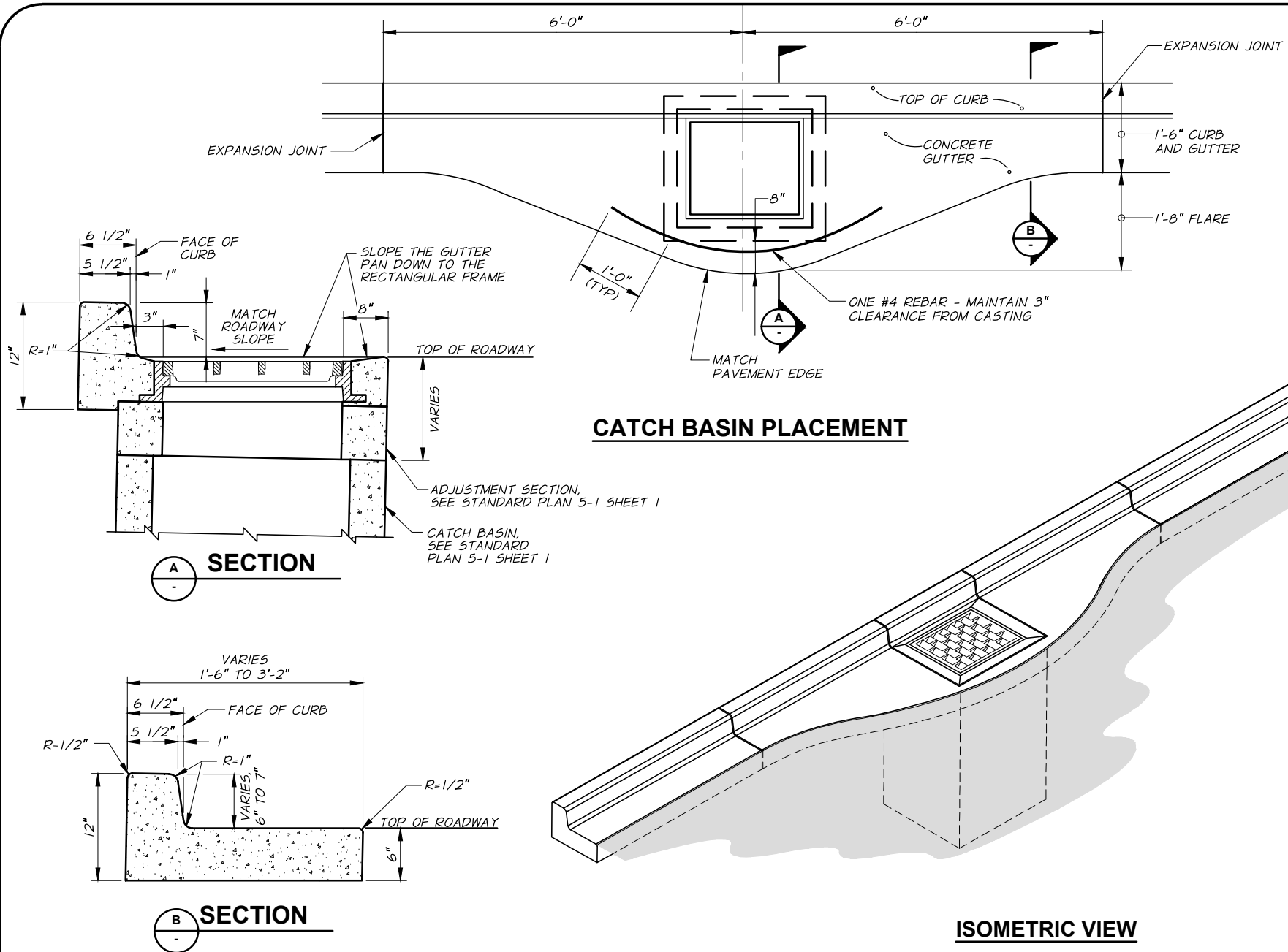
CATCH BASIN
NTS

AUGUST 2022
REVISION DATE

**STANDARD
PLAN
4-1**

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**CITY OF
WHITE SALMON**

CATCH BASIN AND GUTTER INSTALLATION

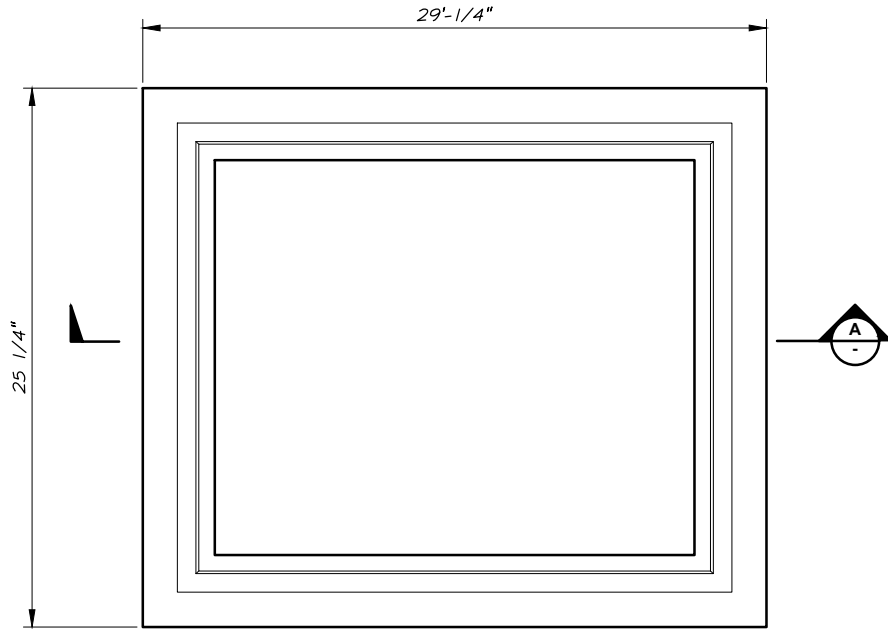
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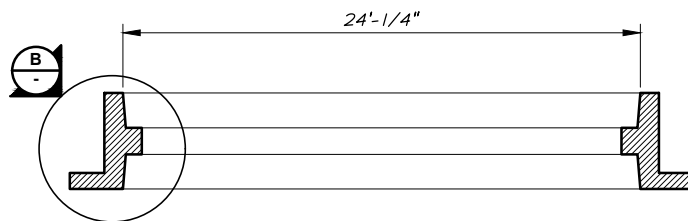
**STANDARD
PLAN**

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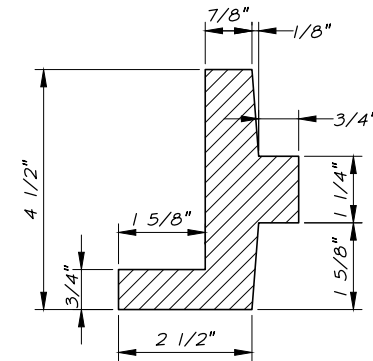
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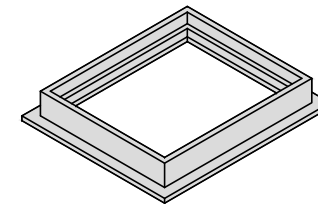
SECTION A-A

NOTES

1. REFER TO WSDOT STANDARD SPECIFICATION 9-05.15(2) FOR ADDITIONAL REQUIREMENTS.
2. REFER TO STANDARD PLAN 5-3 FOR GRATE DETAILS.



SECTION B-B



ISOMETRIC VIEW

**CITY OF
WHITE SALMON**

CATCH BASIN FRAME

NTS

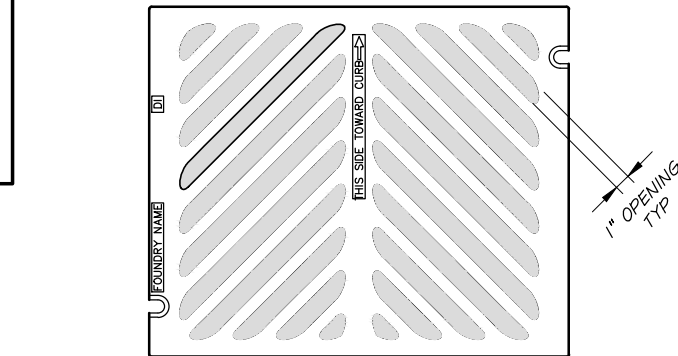
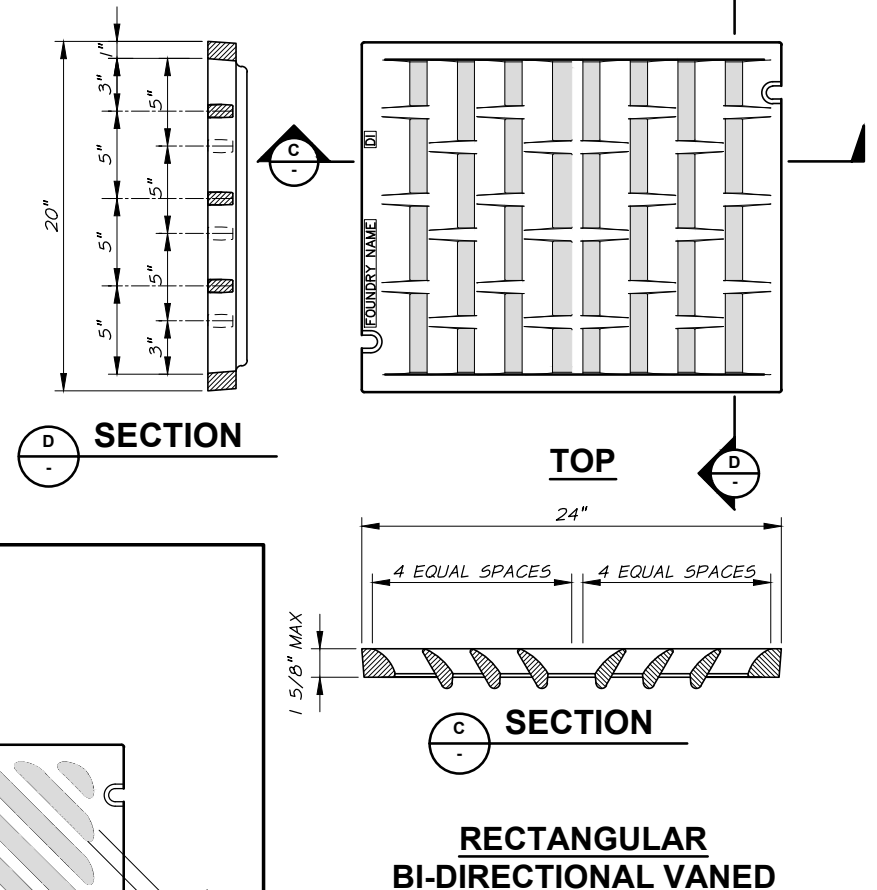
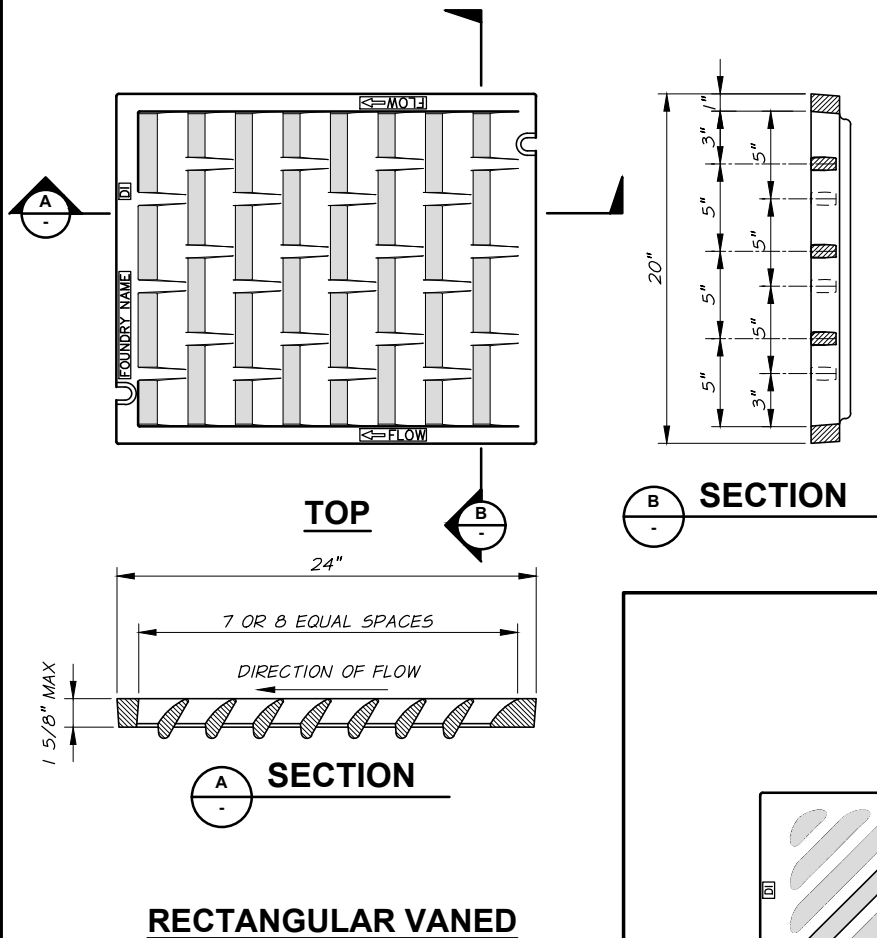
AUGUST 2022
REVISION DATE

**STANDARD
PLAN**

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ONE DIRECTIONAL VANED GRATES SHALL BE USED WHERE THE GUTTER GRADE FLOWS THROUGH THE INLET.

BI-DIRECTIONAL VANED GRATES SHALL BE USED AT LOW POINTS IN GUTTERS.

HERRINGBONE GRATES SHALL ONLY BE USED IN NON CURBED AREAS WITH MULTIDIRECTIONAL FLOW.

**CITY OF
WHITE SALMON**

CATCH BASIN GRATES

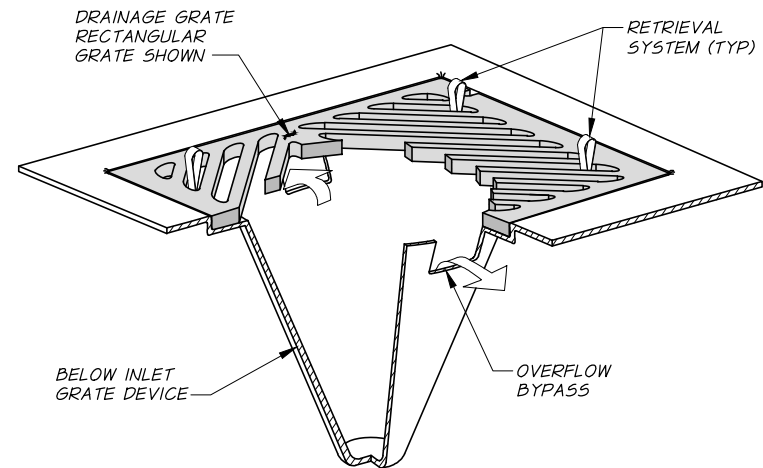
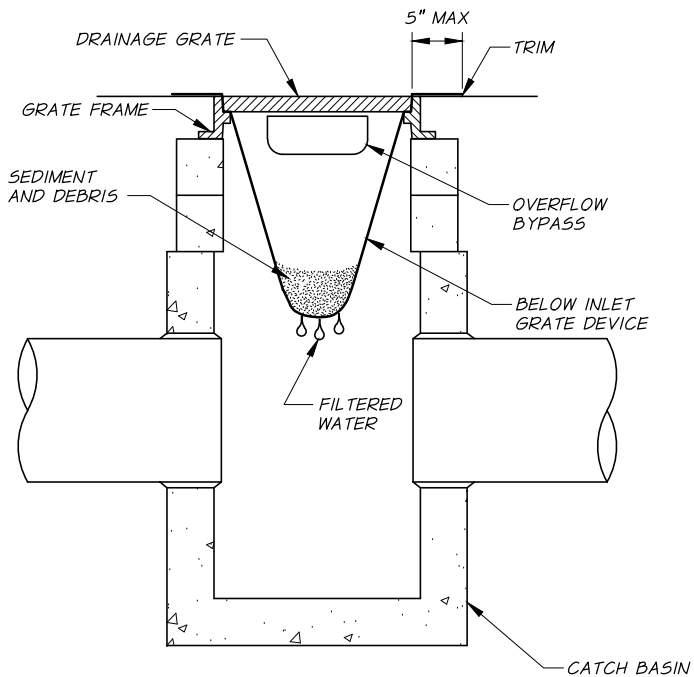
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AUGUST 2022
REVISION DATE

**STANDARD
PLAN**

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NOTES:

1. PRIOR TO ANY CONSTRUCTION ACTIVITY, ALL EXISTING CATCH BASINS WITHIN THE DRAINAGE AREA OF THE PROJECT SHALL BE FILLED WITH A BELOW INLET GRATE DEVICE TO PROTECT THE EXISTING STORM DRAINAGE SYSTEM.
2. NEW CATCH BASINS SHALL IMMEDIATELY BE FITTED WITH BELOW INLET GRATE DEVICES FOLLOWING INSTALLATION.
3. THE BELOW INLET GRATE DEVICES SHALL NOT BE REMOVED UNTIL APPROVED BY THE PUBLIC WORKS DIRECTOR.
4. TO FURTHER PREVENT CONTAMINATION OF STORM DRAIN SYSTEMS, ALL SOIL TRACKED ONTO STREETS SHALL BE CLEANED OFF/SWEPT DAILY.
5. OTHER EROSION CONTROL METHODS MAY BE NECESSARY DURING CONSTRUCTION AND GRADING DEPENDING ON THE CONTRACTOR'S CONSTRUCTION TECHNIQUES.
6. THE CITY MAY REQUIRE THE CONTRACTOR TO CLEAN OR REPLACE THE STORMWATER SYSTEMS IF THEY BECOME CONTAMINATED DURING CONSTRUCTION.

**CITY OF
WHITE SALMON**

STORM DRAIN INLET PROTECTION

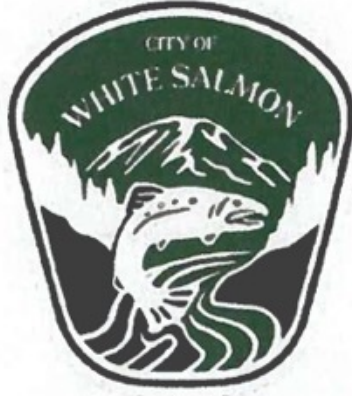
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AUGUST 2022
REVISION DATE

**STANDARD
PLAN**
4-4
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File Attachments for Item:

B. Approval of Bid - Garfield Paving Project - Pioneer Surveying



Department Head: JC
Clerk/Treasurer: SMP
City Administrator: T.P.
Mayor: MK

COUNCIL REPORT



Business Item



Consent Agenda

Needs Legal Review:

Yes, completed

Meeting Date:

March 15, 2023

Agenda Item:

Approval of Bid Package for Garfield Street Improvement Project

Presented By:

Andrew Dirks, PW Foreman

Action Required:

Approval of the Garfield Street Improvement Project Bid Package provided by Pioneer Engineering.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to approve the Garfield Street Improvement Project Bid Package provided by Pioneer Engineering.

Explanation of Issue:

Attached you will find the Garfield Street Improvement Project Proposed bid documents for the construction of the Garfield Street reconstruction and paving.

This project is primarily funded by TIB Grant Funds.

The project improvements include:

- Grind and repave of NW Garfield Ave. from NW Washington St. to NW Lincoln St. and complete road reconstruct from NW Lincoln St. to W Jewett Blvd.
- New ADA sidewalk ramps with a crosswalk connecting the two on the south side of NW Washington St. on NW Garfield Ave.
- Sawcut and match the edge of existing pavement at NW Lincoln St (Improvements done in 2017 including road reconstruct, curb gutter and sidewalk and ADA ramps at all four corners of the intersection)
- Connect to existing sidewalk at NW Lincoln St and install new curb, gutter and sidewalk from NW Lincoln St. to W Jewett Blvd.
- End Sidewalk on the west side of NW Garfield Ave at W Jewett Blvd. at the start of the walking path.
- Connect to existing sidewalk on the east side of NW Garfield Ave. at W Jewett Blvd. and install ADA ramp.
- Install catch basin on the east side of NW Garfield Ave. with 12" storm line connecting to existing catch basin on the south side of W Jewett Blvd.
- Relocate existing stop sign on the west side of NW Garfield Ave. at W Jewett Blvd.
- Sawcut and match existing pavement at W Jewett Blvd.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.
4. Other action as desired by council.

Fiscal Analysis:

The adopted budget contains \$275,355 for this purpose. This includes \$262,873 of TIB grant funding and \$6,241 of City match funds.

Recommendation of Staff/Committee:

Staff is recommending the council approve the Bid Package submitted by Pioneer Engineering.

Follow Up Action:

If approved by council, the bid advertisement will be published March 22 and March 29, 2023 in the DJC and Columbia Gorge Newspaper.

Pioneer Surveying will:

- Conduct a pre-bid meeting on April 5, 2023 at 1:00pm in the City Council Chambers.
- Facilitate the Sealed Bid opening on April 12, 2023 at 11:00am. Bids will be opened on April 12, 2023 at 11:15am in the City Council Chambers.
- Provide Bid Recommendation to the city by April 14, 2023 for inclusion in the April 19, 2023 council packet.

On April 19 Council will review the bids and engineer recommendation and award the contract for the project.

Construction for the project is scheduled to begin on June 19, 2023.

CITY OF WHITE SALMON
KLICKITAT COUNTY
WASHINGTON
CONTRACT DOCUMENTS
FOR
2023 GARFIELD STREET IMPROVEMENT PROJECT
TIB PROJECT NUMBER: 6-E-936(008)-1



FOR INFORMATION CALL:
DUSTIN CONROY 509-773-4945

DATE: 2/13/23

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WASHINGTON STATE PREVAILING WAGE RATES

AMENDMENTS TO THE STANDARD SPECIFICATIONS

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DETAILS AND DRAWINGS

Under Separate Cover

ADVERTISEMENT FOR BIDS

Sealed bids for the construction of **2023 GARFIELD STREET IMPROVEMENTS for the CITY OF WHITE SALMON** will be received by the CITY OF WHITE SALMON, at City Hall, PO Box 2139, **100 N. Main**, White Salmon, WA 98672 until **11:00 AM, APRIL 12, 2023, LOCAL TIME**

Bids received after 11:00 AM will not be considered. Bids will then be collected and transported in a sealed carton to the City Council Chambers at 119 NE Church Street in White Salmon. At approximately 11:15 AM Local Time, or as close thereto as possible, bids will be publicly opened.

The contract documents, and any plans and specifications will be on file after **March 22, 2023** at 100 N Main, White Salmon, WA 98672 and will be open to inspection. City contact is Jeff Cooper, Interim Public Works Operations Manager, 509-493-1133; fax 509-493-1231.

The City of White Salmon is an equal opportunity and affirmative action employer. Small, minority- and women-owned businesses are encouraged to submit bids. All work performed on the project will be subject to prevailing state wage rates. This project is funded by a grant implemented through the Washington State Transportation Improvement Board (TIB), and The City of White Salmon.

DESCRIPTION OF WORK:

The project includes the following approximate major work descriptions:

Base Bid: 292 cyd of excavation, 575 tons of crushed surfacing, 350 tons of hot mix asphalt, 1,296 syd of pavement grinding, 984 syd of pavement removal, 644 feet of curb and gutter, 220 syd of concrete sidewalk and driveway, 81 feet of 12" storm and 1 catch basins.

BIDDING DOCUMENTS:

Free-of-charge access to project bid documents (plans, specifications, addenda, and Bidders List) is provided to Prime Bidders, Subcontractors, and Vendors by going to www.bxwa.com and clicking on "Posted Projects", "Public Works", and "City of White Salmon". This online plan room provides Bidders with fully usable online documents with the ability to: download, view, print, order full/partial plan sets from numerous reprographic sources, and a free online digitizer/take-off tool. It is recommended that Bidders "Register" in order to receive automatic e-mail notification of future addenda and to place themselves on the "Self-Registered Bidders List". Bidders that do not register will not be automatically notified of addenda and will need to periodically check the on-line plan room for addenda issued on this project. Contact Builders Exchange of Washington at (425) 258-1303 should you require assistance with access or registration.

Bids must be submitted on the form of proposal specified in the Contract Documents. The CITY OF WHITE SALMON reserves the right to reject any or all proposals and to waive irregularities or informalities as well as award separate schedules in any manner that may benefit the CITY OF WHITE SALMON.

PRE-BID CONFERENCE: A one-time pre-bid conference and job site review will be held at **1:00 pm April 5, 2023** at City Council Chambers, 119 NE. Church St., White Salmon WA to discuss the project and answer any questions.

BID SECURITY: A certified or bank cashier's check in the amount of five percent (5%) of the bid amount, payable to the City of White Salmon or bid bond executed by a licensed bonding company is required with each bid.

By: _____ Marla Keethler, Mayor

Date: _____

INFORMATION TO BIDDERS

BIDS will be received by The City of White Salmon (herein called the "OWNER"),

at City Hall, White Salmon, WA 98620 until the date and time specified in the

Invitation to bid and then at said office publicly opened and read aloud.

Each BID must be submitted in a sealed envelope, addressed to City Clerk, City Hall, at P.O. Box 2139, 100 N. Main, White Salmon, WA, 98672. Each sealed envelope containing a BID must be plainly marked on the outside as BID for 2023 Garfield Street Improvement Project and the envelope should bear on the outside the Bidder's name, address, and license number if applicable, and the name of the project for which the BID is submitted. If forwarded by mail, the sealed envelope containing the BID must be enclosed in another envelope addressed to the OWNER at City Hall, White Salmon, WA 98672.

All BIDS must be made on the required BID form. All blank spaces for BID prices must be filled in, in ink or typewritten, and the BID form must be fully completed and executed when submitted. Only one copy of the BID form is required. Receipt of any Addenda shall be noted on the outside, bottom left corner of the sealed envelope.

The OWNER may waive any informalities or minor defects or reject any and all BIDS. Any BID may be withdrawn prior to the above scheduled time for the opening of BIDS or authorized postponement thereof. Any BID received after the time and date specified shall not be considered. No BIDDER may withdraw a BID within 90 days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the OWNER and the BIDDER.

BIDDERS must satisfy themselves of the accuracy of the estimated quantities in the BID Schedule by examination of the site and a review of the drawings and specifications including ADDENDA. After BIDS have been submitted, the BIDDER shall not assert that there was a misunderstanding concerning the quantities of WORK or of the nature of the WORK to be done.

The OWNER shall provide to BIDDERS prior to BIDDING, all information which is pertinent to, and delineates and describes, the land owned and rights-of-way acquired or to be acquired.

The CONTRACT DOCUMENTS contain the provisions required for the construction of the PROJECT. Information obtained from an officer, agent, or employee of the OWNER or any other person shall not affect the risks or obligations assumed by the CONTRACTOR or relieve the contractor from fulfilling any of the conditions of the contract.

Each BID must be accompanied by a BID bond payable to the OWNER for five percent of the total amount of the BID. As soon as the BID prices have been compared, the OWNER will return the BONDS of all except the three lowest responsible BIDDERS. When the Agreement is executed the bonds of the two remaining unsuccessful BIDDERS will be returned. The BID BOND of the successful BIDDER will be retained until the payment BOND and performance BOND have been executed and approved, after which it will be returned. A certified cashier's check may be used in lieu of a BID BOND.

A performance BOND and a payment BOND each in the amount of 100 percent of the CONTRACT PRICE, with a corporate surety approved by the OWNER, will be required for the faithful performance of the contract.

Attorneys-in-fact who sign BID BONDS or payment BONDS and performance BONDS must file with each BOND a certified and effective dated copy of their power of attorney.

The party to whom the contract is awarded will be required to execute the Agreement and obtain the performance BOND and payment BOND within twenty (20) calendar days from the date when NOTICE OF AWARD is delivered to the BIDDER. The NOTICE OF AWARD shall be accompanied by the necessary Agreement and BOND forms. In case of failure of the BIDDER to execute the Agreement, the OWNER may consider the BIDDER in default, in which case the BID BOND accompanying the proposal shall become the property of the OWNER.

The OWNER within twenty (20) days of receipt of acceptable performance BOND, payment BOND and Agreement signed by the party to whom the Agreement was awarded shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the OWNER not execute the Agreement within such period, the BIDDER may by WRITTEN NOTICE withdraw the signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the OWNER.

The NOTICE TO PROCEED shall be issued within ten (10) days of the execution of the Agreement by the OWNER. Should there be reasons why the NOTICE TO PROCEED cannot be issued within such period; the time may be extended by mutual agreement between the OWNER AND CONTRACTOR. All permitting and approval must be completed prior to NOTICE TO PROCEED being issued. This is including but not limited to County and WSDOT permits and approval. If the NOTICE TO PROCEED has not been issued within the ten (10) day period or within the period mutually agreed upon, the CONTRACTOR may terminate the Agreement without further liability on the part of either party. If NOTICE TO PROCEED can not be issued for any reason the OWNER reserves the right to postpone or terminate the project without compensation to the CONTRACTOR.

The OWNER may make such investigations as deemed necessary to determine the ability of the BIDDER to perform the WORK, and the BIDDER shall furnish to the OWNER all such information and data for this purpose as the OWNER may request. The OWNER reserves the right to reject any BID if the evidence submitted by, or investigation of, such BIDDER fails to satisfy the OWNER that such BIDDER is properly qualified to carry out the obligations of the Agreement and to complete the WORK contemplated therein.

A conditional or qualified BID will not be accepted.

Award will be made to the lowest responsive BIDDER according to what the City determines to be most beneficial of the possible alternatives or options.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the PROJECT shall apply to the contract throughout.

Each BIDDER is responsible for inspecting the site and for reading and being thoroughly familiar with the CONTRACT DOCUMENTS. The failure or omission of any BIDDER to do any of the foregoing shall in no way relieve any BIDDER from any obligation in respect to its BID.

Further, the successful BIDDER agrees to abide by the requirements under Executive Order No. 11246, as amended, including specifically the provisions of the equal opportunity clause set forth in the Contract Documents.

The successful BIDDER shall supply the names and addresses of major material SUPPLIERS and SUBCONTRACTORS when required to do so by the owner.

Inspection trips for prospective BIDDERS will leave from the office of The City of White Salmon at the time specified in the advertisement.

The ENGINEER is Pioneer Surveying and Engineering Inc. The ENGINEER'S address is 125 Simcoe Drive, Goldendale, WA 98620.

These contract documents shall be used in conjunction with the 2016 WSDOT/APWA Standard Specifications for Road, Bridge and Municipal Construction and with the WSDOT Standard Plans (M21-01), both of which are hereby made a part of these contract documents.

AUTHORIZED REPRESENTATIVE

The City shall act as advisor in all matters relating to the Contract, and:

- A. Shall determine the amount, quality, acceptability and fitness of the work materials and equipment which are to be paid for under the Contract, and approve all pay estimates prior to payment by the City;
- B. Shall decide all questions relative to the true construction, interpretation, meaning and intent of the contract documents;
- C. Shall decide all questions relative to the classification and measurement of quantities and materials, and the fulfillment of this Contract;
- D. Shall have the power to reject or disapprove of work or material which does not conform to the contract documents;
- E. May direct the sequence of work where such direction is for the purpose of avoiding conflict with other work being performed by the City or by others in the same general locality. Nothing herein shall be construed as requiring the purchasing agent to direct the method or manner of performing the work.

The decision of the authorized representative in the matters described above shall be final.

The Authorized City Representative for this bid is:

Troy Rayburn
City Administrator
City of White Salmon
P.O. Box 2139, 100 N. Main
White Salmon, WA 98672
(509) 493-1133

DISQUALIFICATION OF BIDDERS

The City may at its discretion determine that a bidder is not responsible and reject their Proposal for any of the following reasons:

- A. More than one Proposal submittal on the same project from a bidder under the same or different name;
- B. Evidence of collusion on prior or present bid process;
- C. Bidder not qualified for the work involved or to the extent of his bid;
- D. Unsatisfactory performance record, judged from the standpoint of conduct of work, workmanship or progress as shown by past or current work for the City;
- E. Uncompleted work, whether for the City or otherwise, which might hinder or prevent the prompt completion of the work bid upon;
- F. Failure to pay or settle bills for labor or materials on any former or current contracts;
- G. Bidder has previously defaulted in the performance of or failed to complete a written public contract, or has been convicted of a crime arising from a previous public contract;
- H. Any other inability, financial or otherwise, to perform the work;
- I. Bidder is not authorized to do business in the State of Washington;
- J. For any other reasons deemed proper by the City.

REJECTION OF BIDS

The City reserves the right to reject any or all bids and to not make an award. The award of the contract, if made by the City, will be made to the qualified bidder submitting the lowest responsible bid as defined above, if it is to the city's best interest to accept such bid. The right is reserved by the City to waive any informalities or errors in the bid that, in the sole opinion of the City do not materially affect the bid.

LICENSES AND PERMITS

The successful bidder and all sub-contractors shall acquire and/or possess a current City of White Salmon business License and any other licenses and permits which may be required to fulfill obligations of the Contract arising from this Call for bids.

GUARANTY

All manufactures warrantees and guarantees are to be made to the city of White Salmon

If, within the warranty period, repairs or changes are required in connection with the work the manufacture or his representatives shall promptly, without expense to the owner:

- A: Place in satisfactory condition all guaranteed work;
- B: Correct all damage to the building, site, equipment or contents which is the result of the use of materials, equipment or workmanship which are inferior, defective, or not in accordance with the terms of the contract; and,
- C: Correct any work, material, equipment, or contents of building, structure or site disturbed in fulfilling the guarantee.

Repairs, replacements or changes made under the warranty requirements shall be warranted for the specified warranty period, or for one year. Beginning on the date of the acceptance of the repairs, replacements or changes.

BIDDERS CHECK LIST

**BIDDERS MUST COMPLETE THE FOLLOWING DOCUMENTS IN THEIR INITIAL BID
TO BE CONSIDERED RESPONSIVE**

Proposal

Certification of Site Inspection

Bid Schedule

Non-Collusion Declaration

Bid Bond

Certification of Bidder's Experience and Qualifications

List of Subcontractors

Compliance Statement

Notice to Prospective Subcontractors

Signature Page

Mandatory Bidder Responsibility Checklist

Statement of Bidder Qualifications

PROPOSAL

NOTE TO BIDDER: Please use **BLACK** ink for completing this Proposal form.

City of White Salmon, WA

Project Title: 2023 Garfield Street Improvement Project

Bidder: _____

Address: _____

Contractor's Washington State Registration No. _____

Contractor's Washington State Industrial Ins. No. _____

Washington State Tax ID _____

Bidder's person to contact for additional information on this Proposal:

Name: _____

Telephone: _____

CERTIFICATION OF SITE INSPECTION

To the City of
White Salmon, Washington

1. The undersigned hereby certifies that they have personally examined the location and construction details of work as described on the plans and specifications for 2023 Garfield Street Improvement Project

Further, that they have personally inspected the site, that they have satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved; including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents. This Proposal is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Proposal, at the following schedule of rates and prices.

2. Unit prices for all items, all extensions and the total amount of the bid are required to be shown.

3. This project will be constructed for any or all of the Bid Schedules

1. Bid Schedule 1 Base Garfield Street

The City reserves the right to award combined or separate bids deemed most advantageous to the City.

The bidder shall submit a proposal for all bid schedules and alternatives.

4. Bidder acknowledges receipt of the following Addendum:

CITY OF WHITE SALMON
2023 Garfield Street Improvement Project
BID SCHEDULES 1

BASE BID - GARFIELD					
BID SCHEDULE 1 - BASE BID					
Item No.	Description	Units	Quantity	Unit Price	Total Price
1	MOBILIZATION	LS	1	\$ -	\$ -
2	RESET TRAFFIC SIGNS	EA	1	\$ -	\$ -
3	ADJUST COVERS AND GRATES TO GRADE (COMMON PROPOSAL)	EA	2	\$ -	\$ -
4	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1	\$ -	\$ -
5	UNSUITABLE TRENCH AND FOUNDATION MATERIAL (COMMON PROPOSAL)	CY	150	\$ -	\$ -
6	SHORING OR EXTRA EXCAVATION (CLASS A)	LS	1	\$ -	\$ -
7	EXCAVATION	CY	292	\$ -	\$ -
8	CRUSHED SURFACING, BASE COURSE	TON	428	\$ -	\$ -
9	CRUSHED SURFACING, TOP COURSE	TON	147	\$ -	\$ -
10	COMMERCIAL HMA	TON	350	\$ -	\$ -
11	GEOTEXTILE FABRIC	SY	1005	\$ -	\$ -
12	PAVEMENT GRINDING	SY	1296	\$ -	\$ -
13	PAVEMENT REMOVAL	SY	984	\$ -	\$ -
14	CURB RAMP	EA	3	\$ -	\$ -
15	CURB AND GUTTER	LF	644	\$ -	\$ -
16	CONCRETE SIDEWALK	SY	192	\$ -	\$ -
17	CONCRETE DRIVEWAY	SY	28	\$ -	\$ -
18	PAINTED CROSSWALK LINES	LF	315	\$ -	\$ -
19	PAINTED STOP LINE	LF	53	\$ -	\$ -
20	PROJECT TEMPORARY TRAFFIC CONTROL	LS	1	\$ -	\$ -
21	ESC LEAD	DAY	25	\$ -	\$ -
22	SURFACE RESTORATION	LS	1	\$ -	\$ -
23	CATCH BASIN - STANDARD GRATE	EA	1	\$ -	\$ -
24	12" DIA HDPE STORM SEWER PIPE	LF	81	\$ -	\$ -
25	RELOCATE FENCE	LF	155	\$ -	\$ -
SUBTOTAL SCHEDULE 1					\$ -
Total Schedule 1					\$ -
City Funding					\$ -
Tib Funding					\$ -

NON - COLLUSION AFFIDAVIT

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct.

1. That the undersigned person(s), firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. **That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.**

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (USDOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of USDOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned,

As Principal, and

as Surety, are hereby held and firmly bound unto The City of White Salmon

as OWNER in the penal sum of _____ for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed, this _____ day of _____, 2023 _____. The Condition of

the above obligation is such that whereas the Principal has submitted to

a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing, for the

_____.

NOW, THEREFORE,

(a) If said BID shall be rejected, or

(b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attachment hereto (properly completed in accordance with said BID) and shall furnish a BOND for faithful performance of said contract, and for the payment of all persons performing Labor furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Principal (L.S.)

Surety

By: _____

IMPORTANT - Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized the transact business in the state where the project is located.

**CERTIFICATION OF BIDDER'S
EXPERIENCE AND QUALIFICATIONS**

The undersigned bidder certifies that they are at the time of bidding, and shall be, throughout the period of the contract, licensed by the State of Washington to do the type of work required under the terms of the contract documents. Bidder further certifies that they are skilled and regularly engaged in the general class and type of work called for in the contract documents.

The bidder represents that they are competent, knowledgeable and have special skills on the nature, extent and inherent conditions of the work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the particular facilities which may create, during the construction program, unusual or peculiar unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that they are aware of such peculiar risks and that he has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction work with respect to such hazards.

The undersigned bidder further certifies that they are not included on the U.S. Comptroller General's consolidated list of persons or firms currently debarred for violations of various Public Contracts incorporating Labor Standards Provisions.

Signed this _____ day of _____, 2023__

Name of Bidder

Contractor's License No. & State

Signature of Bidder

LIST OF SUBCONTRACTORS

	Name	Category of Work	Approximate Amount
1	<hr/>	<hr/>	<hr/>
2	<hr/>	<hr/>	<hr/>
3	<hr/>	<hr/>	<hr/>
4	<hr/>	<hr/>	<hr/>
5	<hr/>	<hr/>	<hr/>
6	<hr/>	<hr/>	<hr/>
7	<hr/>	<hr/>	<hr/>
8	<hr/>	<hr/>	<hr/>
9	<hr/>	<hr/>	<hr/>
10	<hr/>	<hr/>	<hr/>

COMPLIANCE STATEMENT

This statement relates to a proposed contract with _____

(Name of borrower or grantee)

I am the undersigned bidder or prospective contractor. I represent that :

1. I _____ have, _____ have not, participated in a previous contract or subcontract subject to executive order 11246 (regarding equal employment opportunity) or a preceding similar Executive order.
2. If I have participated in such a contract or subcontract, I _____ have, _____ have not, filed all compliances reports that I have been required to file in connection with the contract or subcontract.

If the proposed contract is for \$50,000 or more and I have 50 or more employees, I also represent that --

3. I _____ have, _____ have not previously had contracts subject to the written affirmative action program requirements of the Secretary of Labor.
4. If I have participated in such a contract or subcontract, I _____ have, _____ have not, developed and placed on file at each establishment affirmative action programs as required by the rules and regulations of the Secretary of Labor.

I understand that if I have failed to file any compliance reports that have been required of me, I am not eligible and will not be eligible to have my bid considered or to enter into the proposed contract unless and until I make an arrangement regarding such reports that is satisfactory to the Farmers Home Administration or to the office where the reports are required to be filed.

I also certify that I do not maintain or provide for my employees any segregated facilities at any of my establishments, and that I do not permit my employees to perform their services at any location, under my control, where segregated facilities are maintained. I certify further that I will not maintain or provide for my employees any segregated facilities at any of my establishments, and that I will not permit my employees to perform their services at any location, under my control, where segregated facilities are maintained. I agree that a breach of this certification is a violation of the Equal Opportunity clause in my contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom or otherwise. I further agree that (except where I have obtained identical certifications for proposed subcontractors for specific time periods) I will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that I will retain such certifications in my files; and that I will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods): (See Next Page)

**NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENTS FOR
CERTIFICATIONS OF NON-SEGREGATED FACILITIES**

A certification of Nonsegregated Facilities, as required by the May 9, 1967, order (32F.R. 7439, May 19, 1967) on Elimination of Segregated Facilities, by the Secretary of Labor, must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Opportunity clause. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually).

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

<hr/>	<hr/>
Signature of Bidder or Prospective Contractor	Date
 <hr/>	
 <hr/>	
 <hr/>	
Address (including Zip Code)	

PROPOSAL

SIGNATURE OF AUTHORIZED OFFICIAL (S)

SIGNATURE

TITLE

SIGNATURE

TITLE

FIRM NAME: _____

ADDRESS: _____

PHONE/FAX _____

Sworn to before me this

_____ day of _____, 2023

Notary Public

Corporate Seal
(If bid is by Corporation)

Mandatory Bidder Responsibility Checklist	
General Information	
Project Name:	Project Number:
Bidder's Business Name:	Bid Submittal Deadline:
Contractor Registration https://fortress.wa.gov/lni/bbip/	
License Number:	Status: Active: Yes <input type="checkbox"/> No <input type="checkbox"/>
Effective Date (must be effective on or before Bid Submittal Deadline):	Expiration Date:
Contractor and Plumber Infraction List http://www.lni.wa.gov/tradeslicensing/contractors/hirecon/infractions/	
Is Bidder on Infraction List? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Current UBI Number http://dor.wa.gov/content/doingbusiness/registermybusiness/brd/	
UBI Number:	Account Closed: Open <input type="checkbox"/> Closed <input type="checkbox"/>
Industrial Insurance Coverage https://fortress.wa.gov/lni/crpsi/MainMenu.aspx	
Account Number:	Account Current: Yes <input type="checkbox"/> No <input type="checkbox"/>
Employment Security Department Number	
Employment Security Department Number:	
<ul style="list-style-type: none"> Has Bidder provided account number on the Bid Form? Yes <input type="checkbox"/> No <input type="checkbox"/> And/or have you asked the Bidder for documentation from Employment Security Department on account number? Yes <input type="checkbox"/> No <input type="checkbox"/> 	
State Excise Tax Registration Number http://dor.wa.gov/content/doingbusiness/registermybusiness/brd/	
Tax Registration Number:	Account Closed: Open <input type="checkbox"/> Closed <input type="checkbox"/>
Not Disqualified from Bidding – http://www.lni.wa.gov/TradesLicensing/PrevWage/AwardingAgencies/DebarredContractors/default.asp	
Is the Bidder listed on the "Contractors Not Allowed to Bid" list of the Department of Labor and Industries? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Checked by:	
Name of Employee:	Date:

Statement of Bidders Qualifications

Name of Firm: _____

Address: _____

Phone #: _____ Fax #: _____

Email: _____

Contact Person on this Project: _____

How many years the Contractor has been engaged, under the current name shown above, in the construction business? _____

List at least three major projects of similar nature which have been completed, by the Prime Contractor, in the last five years; including the gross dollar amount of each project, the Owner of the projects name and telephone number, and the Engineer's name.

	Project Name	Gross Amount	Owner	Phone #	Engineer
1)					
2)					
3)					
4)					
5)					
6)					
7)					

General nature of work performed by the Contractor: _____

—

Bidder agrees that the Owner shall have the right to obtain credit reports.

Yes: _____ No: _____

List the number of superintendents or responsible employees in a supervisory position that work for you at this time that will be working on this project and how long they have worked for your company?

Have you changed bonding companies in the last 5 years? If so, why? _____

Have you ever been involved in a lawsuit or arbitration proceeding in any way relating to a construction project?

List the parties, proceedings, claims asserted by all parties, and the disposition of the case. _____

Do you have any outstanding payments due to the Department of Revenue? If so, please explain.

NOTICE OF AWARD

TO: _____

PROJECT Description: 2023 Garfield STREET IMPROVEMENTS

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for BIDS dated February, 2023 and Information for Bidders.

You are hereby notified that your BID has been accepted for items in the amount of _____

You are required by the Information for Bidders to execute the Contract and furnish the required CONTRACTOR's Performance BOND, Payment BOND and certificates of insurance within twenty (20) calendar days from the date of this Notice to you.

If you fail to execute said Contract and to furnish said BONDS within twenty (20) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____ day of _____, 2023.

By: _____

Title: MAYOR

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by

_____ on this the _____ day of _____, 2023.

BY _____ TITLE _____

CONTRACT

THIS CONTRACT, made this _____ day of _____, 2023, by and between
CITY OF WHITE SALMON, hereinafter called "OWNER" and _____

doing business as (an individual,) or (a partnership,) or (a corporation) hereinafter called "CONTRACTOR".

WITNESSETH: That for and in consideration of the payments and agreements herein after mentioned:

- I. The CONTRACTOR will commence and complete the construction of the
2023 GARFIELD STREET IMPROVEMENT PROJECT

2. The CONTRACTOR will furnish all of the materials, supplies, tools, equipment, labor, and other services necessary for the construction and completion of the PROJECT described herein.

3. The CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS within 10 calendar days after the date of the NOTICE TO PROCEED and will complete the same within 25 working days unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS.

4. The CONTRACTOR agrees to perform all of the work described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of \$ _____ or as shown in the BID SCHEDULES.

5. The term "CONTRACT DOCUMENTS" MEANS and includes the following:

- (A) Advertisement for BIDS
- (B) Information for BIDDERS
- (C) BID
- (D) BID BOND
- (E) Agreement
- (F) WSDOT/APWA Standard Specifications and Plans
- (G) Amendments and Special Provisions
- (H) Payment Bond
- (I) Performance Bond
- (J) NOTICE OF AWARD
- (K) NOTICE TO PROCEED
- (L) CHANGE ORDER
- (M) Drawings prepared by PIONEER SURVEYING AND ENGINEERING INC. AND CITY OF WHITE SALMON
- (N) SPECIFICATIONS prepared or issued by PIONEER SURVEYING AND ENGINEERING INC., AND THE CITY OF WHITE SALMON.

(M) ADDENDA:

NO. _____, DATED _____, 2023

_____, _____, 2023

_____, _____, 2023

6. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS.

7. The Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, The parties hereto have executed or caused to be executed by their duly authorized official, this Agreement in THREE (3) copies each of which shall be deemed an original on the date first above written.

CONTRACTOR:

BY _____

NAME _____
(Please Type)

ADDRESS _____

(SEAL)

ATTEST:

NAME _____
(Please Type)

OWNER:

EMPLOYER IDENTIFICATION

NUMBER _____

WASHINGTON STATE

TAX ID NO: _____

CITY OF WHITE SALMON

BY _____

NAME _____

(Please Type)

TITLE _____

(SEAL)

ATTEST:

NAME _____
(Please Type)

TITLE _____

PERFORMANCE BOND

We _____, as Principal, and _____ as Surety, being a surety company incorporated under the laws of the State of _____ and authorized to conduct a surety business in the State of Washington, jointly and severally bind ourselves, our heirs, successors and assigns as set forth herein to _____ The City of White Salmon, A Washington Municipal corporation (hereinafter called the Owner) for payment of the penal sum of \$_____ (US), lawful money of the United States in connection with the Owner's award to the Contractor for a contract for construction ("Contract") of the following Project:

2023 GARFIELD STREET IMPROVEMENT PROJECT

THE CONDITION OF THIS OBLIGATION IS SUCH that if the Contractor shall in all respects faithfully perform all obligations and provisions in the said Contract, this obligation shall become null and void; otherwise, it shall remain in full force and effect, and Surety shall defend and indemnify Owner against any loss or damage due to the failure of the Principal to strictly perform all obligations of the contract.

This bond shall remain in force for a period of at least two years after the Substantial Completion Date of the project, with respect to defective workmanship and materials, and shall otherwise secure all other obligation of the Contractor throughout any other periods of limitation.

This bond is provided pursuant to an in compliance with RCW Chapter 39.08, the terms and requirements of which statute are incorporated herein as though fully set forth.

Surety agrees that no change, extension of time, modification, or addition to the terms of the Contract, or the work to be performed there under, or to the specifications shall in any way affect its obligation on this bond, and it hereby waives notice thereof.

The Contractor and Surety agree that if the Owner is required to engage the services of an attorney in connection with the enforcement of this bond, each shall be jointly and severally liable to pay the Owner reasonable attorneys' fees, costs and expenses incurred, with or without suit, in addition to the penal sum.

Surety certifies that it is an authorized surety bond issuer, properly authorized to transact surety business in Washington. Surety agrees to be bound by the laws of the State of Washington and Subject itself to the jurisdiction of the courts of the State of Washington.

PERFORMANCE BOND-Continued

Executed in 3 original counterparts on _____, 2023.

CONTRACTOR

By _____

(Title)

(Attach Acknowledgment of authorized representative of Contractor).

Any claims under this bond made in accordance with RCW 39.08 may be addressed to:

(Name and address of Surety)

(Name and address if Surety's agent for service of
process in Washington if different from above)

(Telephone No. of Surety's Washington Agent)

(Attach acknowledgment)

Surety

By _____
Its Attorney-in-Fact

NOTICE:

Sureties must be authorized to conduct surety business in Washington and have an agent for service of process in Washington. Certified copy of Power of Attorney must be attached.

Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and must be authorized to transact business in the State where the Project is located. In addition the Surety must not exceed the bonding limits set forth in the circular.

LABOR AND MATERIAL PAYMENT BOND

We _____, as Principal, and _____ as Surety, being a surety company incorporated under the laws of the State of _____ and authorized to conduct a surety business in the State of Washington, jointly and severally bind ourselves, our heirs, successors and assigns as set forth herein to _____ The City of White Salmon, A Washington municipal corporation (hereinafter called the Owner) for payment of the penal sum of \$_____ (US), lawful money of the United States in connection with the Owner's award to the Contractor for a contract for construction ("Contract") of the following Project:

2023 Garfield STREET IMPROVEMENTS

THE CONDITION OF THIS OBLIGATION IS SUCH that if the Contractor shall in all respects faithfully perform all obligations and provisions in the said Contract, and pay all laborers, mechanics, subcontractors, material men, taxing authorities and all persons who supply such person or persons, or subcontractors with material, equipment and supplies for the carrying on of such work, this obligation shall become null and void; otherwise, it shall remain in full force and effect, and Surety shall defend and indemnify Owner against any loss or damage due to the failure of the Principal to strictly perform all obligations of the contract.

This bond shall be in force until completion of the project and acceptance by the Owner, and also for such period thereafter during which the law allows claims to be filed and sued upon.

This bond is provided pursuant to an in compliance with RCW Chapter 39.08, the terms and requirements of which statute are incorporated herein as though fully set forth.

Surety agrees that no change, extension of time, modification, or addition to the terms of the Contract, or the work to be performed there under, or to the specifications shall in any way affect its obligation on this bond, and it hereby waives notice thereof.

The Contractor and Surety agree that if the Owner is required to engage the services of an attorney in connection with the enforcement of this bond, each shall be jointly and severally liable to pay the Owner reasonable attorneys' fees, costs and expenses incurred, with or without suit, in addition to the penal sum.

Surety certifies that it is an authorized surety bond issuer, properly authorized to transact surety business in Washington. Surety agrees to be bound by the laws of the State of Washington and Subject itself to the jurisdiction of the courts of the State of Washington.

LABOR AND MATERIAL PAYMENT BOND-Continued

Executed in 3 original counterparts on _____, 2023.

CONTRACTOR

By _____

(Title)

(Attach Acknowledgment of authorized representative of Contractor).

Any claims under this bond made in accordance with RCW 39.08 may be addressed to:

(Name and address of Surety)

(Name and address if Surety's agent for service of
process in Washington if different from above)

(Telephone No. of Surety's Washington Agent)

(Attach acknowledgment)

Surety

By _____
Its Attorney-in-Fact

NOTICE:

Sureties must be authorized to conduct surety business in Washington and have an agent for service of process in Washington. Certified copy of Power of Attorney must be attached.

Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and must be authorized to transact business in the State where the Project is located. In addition the Surety must not exceed the bonding limits set forth in the circular.

CERTIFICATE OF OWNERS' ATTORNEY. (Optional)

I, the undersigned, _____, the duly authorized and acting legal representative of _____, do hereby certify as follows:

I have examined the attached contract (s) and performance and payment bond (s) and the manner of execution thereof, and I am of the opinion that each of the aforesaid agreements are adequate and have been duly executed by the proper parties thereto acting through their duly authorized representatives; that said representatives have full power and authority to execute said agreements on behalf of the respective parties named thereon; and that the foregoing agreements constitute valid and legally binding obligations upon the parties executing the same in accordance with terms, conditions, and provisions thereof.

Date:

NOTE: Delete phrase "performance and payment bonds" when not applicable.

NOTICE TO PROCEED

TO: _____

DATE: _____

PROJECT: 2023 GARFIELD STREET
IMPROVEMENT PROJECT

You are hereby notified to commence WORK in accordance with the Agreement dated _____, 2023____, on or before _____, 2023____, and you are to complete the WORK within _____ consecutive working days thereafter. The date of completion of all WORK is therefore _____, 2023____.

Liquidated damages shall be per WSDOT Standard Specifications 1-08.9:

LD = (0.15) x contract amount / working days = cost/day

LD = (0.15) x _____ / _____ = \$ _____ / day

BY: _____

TITLE: _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by

this the _____, 2023____

BY: _____

TITLE: _____

Employer Identification
Number _____

State of Washington
Department of Labor & Industries
Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 2/13/2023

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Klickitat	Fence Erectors	Fence Erector	\$45.69	<u>6Z</u>	<u>1M</u>		View
Klickitat	Fence Erectors	Fence Laborer	\$45.69	<u>6Z</u>	<u>1M</u>		View
Klickitat	Flaggers	Journey Level	\$48.83	<u>6Z</u>	<u>1M</u>		View
Klickitat	Laborers	Anchor Machines	\$53.43	<u>6Z</u>	<u>1M</u>		View
Klickitat	Laborers	Application (including Pot Power Tender For Same), Applying Protective Material By Hand Or Nozzle On Utility Lines Or Storage Tanks On Project	\$52.84	<u>6Z</u>	<u>1M</u>	<u>8S</u>	View
Klickitat	Laborers	Asbestos Removal	\$53.43	<u>6Z</u>	<u>1M</u>		View
Klickitat	Laborers	Asphalt Plant Laborers	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Asphalt Raker	\$53.93	<u>6Z</u>	<u>1M</u>		View
Klickitat	Laborers	Asphalt Spreaders	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Ballast Regulators	\$53.43	<u>6Z</u>	<u>1M</u>		View
Klickitat	Laborers	Batch Weighman	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Bit Grinder	\$53.43	<u>6Z</u>	<u>1M</u>		View
Klickitat	Laborers	Brick Pavers (Dry)	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Broomers	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Brush (power Saw)	\$52.84	<u>6Z</u>	<u>1M</u>	<u>8S</u>	View
Klickitat	Laborers	Brush Burners And Cutters	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Burners	\$52.84	<u>6Z</u>	<u>1M</u>	<u>8S</u>	View
Klickitat	Laborers	Car And Truck Loaders	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Carpenter Tender	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Change-house Man Or Dry Shack Man	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Chipping Guns	\$52.84	<u>6Z</u>	<u>1M</u>	<u>8S</u>	View
Klickitat	Laborers	Choker Setters	\$52.06	<u>6Z</u>	<u>1M</u>	<u>8T</u>	View
Klickitat	Laborers	Choker Splicer	\$52.84	<u>6Z</u>	<u>1M</u>	<u>8S</u>	View
Klickitat	Laborers	Chuck Tender	\$52.84	<u>6Z</u>	<u>1M</u>	<u>8S</u>	View
Klickitat	Laborers	Clary Power Spreader And Similar Types	\$52.84	<u>6Z</u>	<u>1M</u>	<u>8S</u>	View

Klickitat	Laborers	Clean Up Laborers	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Clean-up Nozzleman-green-cutter (concrete Rock, Etc.)	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Concrete Crew, Bull Gang	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Concrete Laborers	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Concrete Nozzlemen	\$53.93	6Z	1M		View
Klickitat	Laborers	Concrete Power Buggyman	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Concrete Saw Operator	\$53.43	6Z	1M		View
Klickitat	Laborers	Concrete Saw Operator (walls)	\$53.93	6Z	1M		View
Klickitat	Laborers	Confined Space / Hole Watch	\$48.83	6Z	1M		View
Klickitat	Laborers	Crusher Feeder	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Curing, Concrete	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Demolition And Wrecking Charred Materials	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Demolition, Wrecking And Moving Laborers	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Drill Doctor	\$53.43	6Z	1M		View
Klickitat	Laborers	Drill Operators, Air Tracks, Cat Drills, Wagon Drills, Rubber-mounted Drills And Other Similar Types, Including At Crusher Plants	\$53.93	6Z	1M		View
Klickitat	Laborers	Dry Pack Machine	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Dry Stack Walls	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Dumpers, Road Oiling Crew	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Dumpmen (for Grading Crew)	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Elevator Feeders	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Erosion Control Specialist	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Final Clean-up	\$48.83	6Z	1M		View
Klickitat	Laborers	Fine Graders	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Fire Watch	\$48.83	6Z	1M		View
Klickitat	Laborers	Form Strippers (not Swinging Stages)	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	General Laborer	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Grade Checker	\$53.93	6Z	1M		View
Klickitat	Laborers	Guard Rail, Median Rail, Reference Post Guide Post, Right-of-way Marker	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Guniting Nozzleman	\$53.93	6Z	1M		View
Klickitat	Laborers	Guniting Nozzleman Tender	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Guniting Or Sand Blasting Pot Tender	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Hand Placed Sand Blasting (wet)	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Handlers Or Mixers Of All Materials Of An Irritating Nature (including Cement & Lime)	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Hazardous Waste Worker	\$53.43	6Z	1M		View

Klickitat	Laborers	High Scalers, Strippers And Drillers Covers Work In Swinging Stages, Chairs Or Belts, Under Extreme Conditions Unusual To Blasting, Barring Down, Or S	\$53.93	6Z	1M		View
Klickitat	Laborers	Jackhammer	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Laser Beam	\$53.93	6Z	1M		View
Klickitat	Laborers	Laser Beam (pipe Laying) - Applicable When Employee Assigned To Move, Set Up, Align	\$53.93	6Z	1M		View
Klickitat	Laborers	Laser Beam (tunnel) - Applicable When Employee Assigned To Move, Set Up, Align	\$53.93	6Z	1M		View
Klickitat	Laborers	Lead Abatement	\$53.43	6Z	1M		View
Klickitat	Laborers	Leverman Or Aggregate Spreaders (flaherty And Similar Types)	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Loading Spotters	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Loop Installation	\$53.93	6Z	1M		View
Klickitat	Laborers	Manhole Building	\$53.43	6Z	1M		View
Klickitat	Laborers	Material Yard Man (including Electrical)	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Miner - Tunnel	\$53.93	6Z	1M		View
Klickitat	Laborers	Miner - Tunnel	\$53.93	6Z	1M		View
Klickitat	Laborers	Mold Remediation Or Removal	\$53.43	6Z	1M		View
Klickitat	Laborers	Multiple Tampers	\$53.43	6Z	1M		View
Klickitat	Laborers	Nippers And Timbermen	\$53.43	6Z	1M		View
Klickitat	Laborers	Nuclear Plant Worker - Lead Shield	\$53.43	6Z	1M		View
Klickitat	Laborers	Paving Breakers	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Pilot Car	\$48.83	6Z	1M		View
Klickitat	Laborers	Pipe Doping & Wrapping	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Pipe Layer All Types	\$53.93	6Z	1M		View
Klickitat	Laborers	Pittsburgh Chipper Operator Or Similar Types	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Post Hold Digger, Air, Gas Or Electric	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Pot Tender	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Powderman	\$53.93	6Z	1M		View
Klickitat	Laborers	Powderman Tender	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Power Jacks	\$53.43	6Z	1M		View
Klickitat	Laborers	Power Saw Operators (bucking & Falling)	\$53.43	6Z	1M		View
Klickitat	Laborers	Pressure Washer	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Pumpcrete Nozzleman	\$53.93	6Z	1M		View
Klickitat	Laborers	Railroad Track Laborers	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Ribbon Setter, Head	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Ribbon Setters (including Steel Forms)	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Rigger/Signal Persion	\$52.06	6Z	1M	8T	Vi

Klickitat	Laborers	Rip Rap Man (hand Placed)	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Rip Rap Man (head)	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Road Pump Tender	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Sand Blasting (dry)	\$53.43	6Z	1M		View
Klickitat	Laborers	Scaffold Tender	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Sewer Labor	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Sewer Timbermen	\$53.43	6Z	1M		View
Klickitat	Laborers	Signalman	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Skipman	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Slopers	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Spraymen	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Stake Chaser	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Stake-setter	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Stockpiler	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Tampers	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Tie Back Shoring	\$52.84	6Z	1M	8S	View
Klickitat	Laborers	Timber Faller And Bucker (hand Labor)	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Toolroom Man (at Job Site)	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Track Liners	\$53.43	6Z	1M		View
Klickitat	Laborers	Traffic Control Laborer	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Traffic Control Supervisor	\$53.93	6Z	1M		View
Klickitat	Laborers	Tugger Operator	\$53.43	6Z	1M		View
Klickitat	Laborers	Tunnel Bullgang (above Ground)	\$53.93	6Z	1M		View
Klickitat	Laborers	Tunnel Chuck Tenders	\$53.93	6Z	1M		View
Klickitat	Laborers	Tunnel Motorman - Dinky Locomotive	\$53.93	6Z	1M		View
Klickitat	Laborers	Tunnel Muckers, Brakemen	\$53.93	6Z	1M		View
Klickitat	Laborers	Tunnel Powderman	\$53.93	6Z	1M		View
Klickitat	Laborers	Tunnel Shield Operator	\$53.93	6Z	1M		View
Klickitat	Laborers	Vibrating Screed	\$53.43	6Z	1M		View
Klickitat	Laborers	Vibrators (all Types)	\$53.43	6Z	1M		View
Klickitat	Laborers	Water Blaster	\$53.43	6Z	1M		View
Klickitat	Laborers	Weight-man-crusher (aggregate When Used)	\$52.06	6Z	1M	8T	View
Klickitat	Laborers	Welder	\$53.43	6Z	1M		View
Klickitat	Laborers - Underground Sewer & Water	General Laborer and Topman	\$53.93	6Z	1M		View
Klickitat	Laborers - Underground Sewer & Water	Pipe Layer	\$53.93	6Z	1M		View
Klickitat	Power Equipment Operators	Air Filtration Equipment(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt Plant (any Type) (assistant Engineer Required) (group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Burner & Reconditioner (any Type), (asst To Engineer If Required)(group 5)	\$60.37	7B	4G	8U	View

Klickitat	Power Equipment Operators	Asphalt, Extrusion Machine Operator(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Paver (screed Man Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Pugmill (any Type) (group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Raker(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Roller (any Asphalt Mix)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler Under 8 Ft Lateral Cut(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler, 8 Ft Lateral Cut & Over(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler, Groundman(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Screed(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Asphalt, Truck Mounted Spreader, With Screed(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Auger Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Auto Grader Or "trimmer" (grade Checker Required)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Back Filling Machine (assistant To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Backhoe, Robotic, Track And Wheel Type Up To And Including 20,000 Lbs. With Any Attachments(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Band Wagons (in Conjunction With Whell Excavator)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Bell Man (any Type Of Communication)(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Blade Any Type(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Blade, Robotic(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Boatman(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Boatman, Licensed(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Bobcat, Skid Steer (< 1yd) (group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Boom Type Lifting Device, 5 Ton Capacity Or Less(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Boring Machine (asst To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Broom Self-propelled, Construction Job Site(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Bulldozer Operator, 20,000 Lbs Or Less, Or 100 Horse Or Less(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Bulldozer Operator, Over 20,000 Lbs And More Than 100 Horse Up To 70,000 Lbs(group 4)	\$61.61	7B	4G	8U	View

Klickitat	Power Equipment Operators	Bulldozer Over 70,000 Lbs Up To And Including 120,000 Lbs(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators	Bulldozer Over 120,000 Lbs And Above(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Bulldozer Robotic Equipment(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Cable-plow (any Type)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Cableway 25 Ton & Over(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Cableway Up To 25 Ton(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Canal Trimmer (grade Oiler Required)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Cat Drill (john Henry)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Cement Pump(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Challenger(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Chip Spreading Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Chippers (asst To Engineer If Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Churn Drill & Earth Boring Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Combination Heavy Duty Mechanic-welder, When Required To Do Both(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Compactor Self Propelled Without Blade(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Compactor With Blade Self Propelled(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Compactor, Multi-engine(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Compactor, Robotic(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Compressor (any Power) 1,250 Cu Ft And Over Total Capacity(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Compressor Operator (any Power) Under 1,250 Cu Ft Total Capacity(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete Batch Plant And/or Wet Mix (3 Units Or More) (group1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete Batch Plant And/or Wet Mix Operator (1 & 2 Drums) (group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete Batch Plant Quality Control(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete Breaker (assistant To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete Canal Line, Assistant To Engineer Required(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete Curing Machine (riding Type)(group 6)	\$57.15	7B	4G	8U	View

Klickitat	Power Equipment Operators	Concrete Diamond Head Profiler(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete Paving Road Mixer(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete Planer(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete Saw(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Automatic Slip Form Paver (asst To Engineer Required)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Combination Mixer & Compressor Operator, Guniting Work(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Curb Machine Mechanical Berm, Curb And/or Curb And Gutter(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Finishing Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Grout Plant(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Grouting Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Joint Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Mixer Mobile(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Mixer Single Drum Any Capacity(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Paving Machine 8' And Less (asst To Engineer Required)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Placing Boom(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Pump Truck(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Pump(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Pumpcrete Operator (any Type)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Reinforced Tank Banding Machine (asst To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Slip Form Pumps, Power Driven Hydraulic Lifting Device For Concrete Forms(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Spreader(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Telebelt(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Concrete, Treated Base Roller Operator, Oiling(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Conveyor Operator Or Assistant(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Conveyored Material Hauler(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Bridge Locomotive, Gantry And Overhead(group 4)	\$61.61	7B	4G	8U	View

Klickitat	Power Equipment Operators	Crane, Carry Deck(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Chicago Boom & Similar Types(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Floating (derrick Barge) 30 Ton But Less Than 150 Ton (asst To Engineer Required) (group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Floating 150 Ton But Less Than 250 Ton (asst To Engineer Required) (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Floating 250 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	\$70.16	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Floating Clamshell 3 Cu. Yds. & Over (fireman Or Diesel Electric Engineer Required)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Floating Clamshell, Dragline Etc. Operator Under 3 Cu. Yds. Or Less Than 30 Ton (diesel-electric Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Hydraulic 200 Ton Through 399 Ton (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Hydraulic 50 Ton Through 89 Ton With Luffing Or Tower Attachment(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Hydraulic 50 Ton Through 89 Tons(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Hydraulic 90 Ton Through 199 Ton With Luffing Or Tower Attachment (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Hydraulic 90 Ton Through 199 Ton(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Hydraulic Crane 200 Ton Through 300 Ton With Luffing Or Tower Attachment(group 1)	\$70.16	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Hydraulic Crane 400 Ton And Over(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Hydraulic Crane Over 300 Ton Through 399 Ton With Luffer Or Tower Attachment(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Hydraulic Under 50 Ton(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Lattice Boom 200 Ton Through 299 Ton, With Over 200' Boom(group 1)	\$70.16	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Lattice Boom 300 Ton Through 399 Ton(group 1)	\$70.16	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Lattice Boom 300 Ton Through 399 Ton, With Over 200' Boom(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Lattice Boom 50 Ton Through 89 Ton With 150' Boom	\$64.94	7B	4G	8U	Vi

		Or Less(group 3)					
Klickitat	Power Equipment Operators	Crane, Lattice Boom 50 Ton Through 89 Ton With Over 150' Boom	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Lattice Boom 90 Ton Through 199 Ton With 150' - 200' Boom(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Lattice Boom Under 50 Ton(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Lattice Boom, 200 Ton Through 299 Ton With 200' Boom Or Less (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Lattice Boom, 90 Ton Through 199 Ton With Over 200' Boom (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Shovel, Dragline Or Clamshell 3 Cu. Yds. But Less Than 5 Cu. Yds. (asst To Engineer Required)(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Tower Crane With 175' Tower Or Less And With Less Than 200' Jib(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Tower Crane With Over 175' Tower Or Over 200' Jib (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Tugger(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Whirley 90 Ton And Over (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crane, Whirley Under 90 Ton(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crusher Feeder(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crusher Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Crusher Plant(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Deckhand(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Derrick Operator Under 100 Ton (two Operators Required When Swing Control Is Remote From Hoist)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Diesel-electric Engineer (plant Or Floating)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Directional Drill Over 20,000 Lbs Pullback(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Drill Assistant(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Drill Cat Operator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Drill Directional Type Less Than 20,000 Lbs Pullback(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Drill Doctor And/or (bit Grinder)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Drill Mud Mixer(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Drill Oscillator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Drill, Directional Locator(group 6)	\$57.15	7B	4G	8U	View

Klickitat	Power Equipment Operators	Driller, Percussion, Diamond, Core, Cable, Rotary & Similar Type(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Elevating Grader Operator, Tractor Towed Requiring Operator Or Grader(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Elevating Loader Operator (any Type)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Elevator To Move Personnel Or Materials(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Excavator Over 80,000 Lbs Through 130,000 Lbs(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators	Excavator Operator, Over 20,000 Lbs Through 80,000 Lbs(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Excavator Operator, Over 130,000 Lbs(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Fireman(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Floating, Crane 350 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators	Fork Lift(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Fork Lift, Over 10 Ton Or Robotic(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Generator Operator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Grade Checker(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Grade Setter / Layout From Plans(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Grade-all(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Guardrail Machines, I.e. Punch, Auger, Etc.(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Guardrail Punch Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Hammer Operator (pile Driver) (group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Heavy Duty Repairman Assistant(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Heavy Equipment Robotics Operator Or Mechanic(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Helicopter Hoist(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Helicopter Radioman (ground) (group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Helicopter When Used In Erecting Workcrane(group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Hoist Operator, Single Drum(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Hoist, 2 Drums Or More(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Hoist, Stiff Leg, Guy Derrick Or Similar Type, 50 Ton And Over(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Hydraulic Backhoe Track Type Up To And Including 20,000	\$60.37	7B	4G	8U	View

		Lbs(group 5)					
Klickitat	Power Equipment Operators	Hydraulic Backhoe Wheel Type (any Make)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Hydraulic Pipe Press(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Hydro Axe (loader Mounted Or Similar Type)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Hydrographic Seeder Machine Straw, Pulp Or Seed(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Hydrostatic Pump Operator(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Internal Full Slab Vibrator Operator(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Jack Operator, Elevating Barges, Barge Operator, Self-unloading (asst To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Laser Screed(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Lattice Boom Crane 400 Ton And Over(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators	Lime Spreader, Construction Job Site(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Loaders Operator, Front End & Overhead, 25,000 Lbs And Less Than 60,000 Lbs(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Loaders, 120,000 Lbs And Above(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Loaders, 60,000 Lbs And Less Than 120,000 Lbs(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators	Loaders, Rubber-tire Type, Less Than 25,000 Lbs(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Log Skidders(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Master Environmental Maintenance Mechanic(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Material Handler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Mechanic, Heavy Duty(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Mixer Box (c.t.b., Dry Batch, Etc.)(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Parts Man (tool Room)(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Pavement Grinder And Or Grooving Machine (riding Type) (group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Pile Driver Operator (not Crane Type) (asst To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Pipe Bending, Cleaning, Doping And Wrapping Machines(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Pipe, Cast In Place Pipe Laying Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Plant Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Pump (any Power)(group 6)	\$57.15	7B	4G	8U	Vi

Klickitat	Power Equipment Operators	Pump Operator, More Than 5 Pumps (any Size)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Ballast Compactor, Regulator Or Tamper Machines(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Ballast Tamper Multi-purpose(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Brakeman, Switchman, Motorman(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Car Mover(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Clip Applicator(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, High Rail Self Loader Truck(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Lo-railer(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Locomotive, 40 Ton And Over (asst To Engineer Required)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Shuttle Car Operator(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Speedswing(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Switchman(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Tamping Machine, Mechanical, Self-propelled(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rail, Track Liner(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Remote Controlled Earth Moving Equipment(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rigger(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Roller Grading (not Asphalt) (group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Rubber-tired Dozers And Pushers(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Scraper All Types(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Service Oiler (greaser)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Shovel, Dragline, Clamshell, 5 Yards And Over(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Side-boom(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Skip Loader, Drag Box(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Stump Grinder (loader Mounted Or Similar Type)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Surface Heater And Planer(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Sweeper Self-propelled, Construction Job Site(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tar Pot Fireman (power Agitated) Or Not(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tractor Rubber-tired, 50 Hp Flywheel & Under(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tractor, Rubber-tired Over 50 Hp Flywheel(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Trenching Machine 3 Ft Depth And Deeper (asst To The	\$61.61	7B	4G	8U	Vi

		Operator If Required)(group 4)					
Klickitat	Power Equipment Operators	Trenching Machine Operator, Maximum Digging Capacity 3 Ft Depth(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Truck Crane Oiler-driver(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Truck, All Terrain Or Track Type(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Truck, Barrel Type(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Truck, Boom(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Truck, Off-road Trucks, Articulated And Non-articulated Trucks(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Truck, Offroad Trucks, Articulated And Non-articulated Trucks(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Truck, Vacuum(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Truck, Water(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tub Grinder(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel Boring Machine Mechanic(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel Boring Machine(group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel Segment Plant(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel Separation Plant(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel Shaef Loader(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel, Locomotive, Dinkey(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel, Micro Boring Tunnel Machine(group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel, Mucking Machine(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel, Power Jumbo Setting Slip Forms, Etc.(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators	Tunnel, Shield Operator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Ultra High Pressure Water Jet Cutting Tool System Operator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Underwater Equipment, Remote Or Otherwise(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators	Vacuum Blasting Machine Operator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Water Pulls, Water Wagon(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Welder's Assistant(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Welder; Heavy Duty, Certified Or Not(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators	Welding Machine(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators	Wheel Excavation Any Size (grade Oiler Required)(group 2)	\$66.10	7B	4G	8U	View

Klickitat	Power Equipment Operators	Wire Mat Or Brooming Machine(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Air Filtration Equipment(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant (any Type) (assistant Engineer Required) (group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Burner & Reconditioner (any Type), (asst To Engineer If Required)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Extrusion Machine Operator(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Paver (screed Man Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Pugmill (any Type) (group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Raker(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roller (any Asphalt Mix)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler Under 8 Ft Lateral Cut(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler, 8 Ft Lateral Cut & Over(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler, Groundman(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Screed(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Asphalt, Truck Mounted Spreader, With Screed(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Auger Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Auto Grader Or "trimmer" (grade Checker Required)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Back Filling Machine (assistant To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Backhoe, Robotic, Track And Wheel Type Up To And Including 20,000 Lbs. With Any Attachments(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Band Wagons (in Conjunction With Whell Excavator)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Bell Man (any Type Of Communication)(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Blade Any Type(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Blade, Robotic(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Boatman(group 6)	\$57.15	7B	4G	8U	View

Klickitat	Power Equipment Operators-Underground Sewer & Water	Boatman, Licensed(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Bobcat, Skid Steer (< 1yd)(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Boom Type Lifting Device, 5 Ton Capacity Or Less(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Boring Machine (asst To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Broom Self-propelled, Construction Job Site(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Bulldozer Operator, 20,000 Lbs Or Less, Or 100 Horse Or Less(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Bulldozer Operator, Over 20,000 Lbs And More Than 100 Horse Up To 70,000 Lbs(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Bulldozer Over 70,000 Lbs Up To And Including 120,000 Lbs(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Bulldozer Over 120,000 Lbs And Above(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Bulldozer Robotic Equipment(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Cable-plow (any Type)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Cableway 25 Ton & Over(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Cableway Up To 25 Ton(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Canal Trimmer (grade Oiler Required)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Cat Drill (john Henry)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Cement Pump(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Challenger(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Chip Spreading Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Chippers (asst To Engineer If Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Churn Drill & Earth Boring Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Combination Heavy Duty Mechanic-welder, When Required To Do Both(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Compactor Self Propelled Without Blade(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Compactor With Blade Self Propelled(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Compactor, Multi-engine(group 4)	\$61.61	7B	4G	8U	View

Klickitat	Power Equipment Operators-Underground Sewer & Water	Compactor, Robotic(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Compressor (any Power) 1,250 Cu Ft And Over Total Capacity(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Compressor Operator (any Power) Under 1,250 Cu Ft Total Capacity(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Batch Plant And/or Wet Mix (3 Units Or More) (group1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Batch Plant And/or Wet Mix Operator (1 & 2 Drums) (group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Batch Plant Quality Control(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Breaker (assistant To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Canal Line, Assistant To Engineer Required(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Curing Machine (riding Type)(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Diamond Head Profiler(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Paving Road Mixer(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Planer(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete Saw(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Automatic Slip Form Paver (asst To Engineer Required)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Combination Mixer & Compressor Operator, Guniting Work(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Curb Machine Mechanical Berm, Curb And/or Curb And Gutter(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Finishing Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Grout Plant(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Grouting Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Joint Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Mixer Mobile(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Mixer Single Drum Any Capacity(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Paving Machine 8' And Less (asst To Engineer Required)(group 5)	\$60.37	7B	4G	8U	View

Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Placing Boom(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Pump Truck(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Pump(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Pumpcrete Operator (any Type)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Reinforced Tank Banding Machine (asst To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Slip Form Pumps, Power Driven Hydraulic Lifting Device For Concrete Forms(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Spreader(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Telebelt(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Concrete, Treated Base Roller Operator, Oiling(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Conveyor Operator Or Assistant(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Conveyored Material Hauler(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Bridge Locomotive, Gantry And Overhead(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Carry Deck(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Chicago Boom & Similar Types(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Floating (derrick Barge) 30 Ton But Less Than 150 Ton (asst To Engineer Required) (group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Floating 150 Ton But Less Than 250 Ton (asst To Engineer Required) (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Floating 250 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	\$70.16	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Floating Clamshell 3 Cu. Yds. & Over (fireman Or Diesel Electric Engineer Required)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Floating Clamshell, Dragline Etc. Operator Under 3 Cu. Yds. Or Less Than 30 Ton (diesel-electric Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 200 Ton Through 399 Ton (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 50 Ton Through 89 Ton With Luffing Or	\$66.10	7B	4G	8U	View

		Tower Attachment(group 2)					
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 50 Ton Through 89 Tons(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 90 Ton Through 199 Ton With Luffing Or Tower Attachment (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 90 Ton Through 199 Ton(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic Crane 200 Ton Through 300 Ton With Luffing Or Tower Attachment(group 1)	\$70.16	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic Crane 400 Ton And Over(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic Crane Over 300 Ton Through 399 Ton With Luffer Or Tower Attachment(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic Under 50 Ton(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 200 Ton Through 299 Ton, With Over 200' Boom(group 1)	\$70.16	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 300 Ton Through 399 Ton(group 1)	\$70.16	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 300 Ton Through 399 Ton, With Over 200' Boom(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 50 Ton Through 89 Ton With 150' Boom Or Less(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 50 Ton Through 89 Ton With Over 150' Boom	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom 90 Ton Through 199 Ton With 150' - 200' Boom(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom Under 50 Ton(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom, 200 Ton Through 299 Ton With 200' Boom Or Less (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Lattice Boom, 90 Ton Through 199 Ton With Over 200' Boom (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Shovel, Dragline Or Clamshell 3 Cu. Yds. But Less Than 5 Cu. Yds. (asst To Engineer Required)(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Tower Crane With 175' Tower Or Less And With Less Than 200' Jib(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Tower Crane With Over 175' Tower Or Over 200' Jib (group 1)	\$68.00	7B	4G	8U	View

Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Tugger(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Whirley 90 Ton And Over (group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crane, Whirley Under 90 Ton(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crusher Feederman(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crusher Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Crusher Plant(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Deckhand(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Derrick Operator Under 100 Ton (two Operators Required When Swing Control Is Remote From Hoist)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Diesel-electric Engineer (plant Or Floating)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Directional Drill Over 20,000 Lbs Pullback(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Drill Assistant(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Drill Cat Operator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Drill Directional Type Less Than 20,000 Lbs Pullback(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Drill Doctor And/or (bit Grinder)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Drill Mud Mixer(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Drill Oscillator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Drill, Directinal Locator(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Driller, Percussion, Diamond, Core, Cable, Rotary & Similar Type(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Elevating Grader Operator, Tractor Towed Requiring Operator Or Grader(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Elevating Loader Operator (any Type)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Elevator To Move Personnel Or Materials(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Excavator Over 80,000 Lbs Through 130,000 Lbs(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Excavator Operator, Over 20,000 Lbs Through 80,000 Lbs(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Excavator Operator, Over 130,000 Lbs(group 2)	\$66.10	7B	4G	8U	View

Klickitat	Power Equipment Operators-Underground Sewer & Water	Fireman(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Floating, Crane 350 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Fork Lift(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Fork Lift, Over 10 Ton Or Robotic(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Generator Operator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Grade Checker(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Grade Setter / Layout From Plans(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Grade-all(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Guardrail Machines, I.e. Punch, Auger, Etc.(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hammer Operator (pile Driver) (group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Heavy Duty Repairman Assistant(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Heavy Equipment Robotics Operator Or Mechanic(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Helicopter Hoist(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Helicopter Radioman (ground) (group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Helicopter When Used In Erecting Workcrane(group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hoist Operator, Single Drum(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hoist, 2 Drums Or More(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hoist, Stiff Leg, Guy Derrick Or Similar Type, 50 Ton And Over(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hydraulic Backhoe Track Type Up To And Including 20,000 Lbs(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hydraulic Backhoe Wheel Type (any Make)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hydraulic Pipe Press(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hydro Axe (loader Mounted Or Similar Type)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hydrographic Seeder Machine Straw, Pulp Or Seed(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Hydrostatic Pump Operator(group 6)	\$57.15	7B	4G	8U	View

Klickitat	Power Equipment Operators-Underground Sewer & Water	Internal Full Slab Vibrator Operator(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Jack Operator, Elevating Barges, Barge Operator, Self-unloading (asst To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Laser Screed(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Lattice Boom Crane 400 Ton And Over(group 1)	\$72.32	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Lime Spreader, Construction Job Site(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Loaders Operator, Front End & Overhead, 25,000 Lbs And Less Than 60,000 Lbs(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Loaders, 120,000 Lbs And Above(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Loaders, 60,000 Lbs And Less Than 120,000 Lbs(group 3)	\$64.94	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Loaders, Rubber-tire Type, Less Than 25,000 Lbs(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Log Skidders(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Master Environmental Maintenance Mechanic(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Material Handler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Mechanic, Heavy Duty(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Mixer Box (c.t.b., Dry Batch, Etc.)(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Parts Man (tool Room)(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Pavement Grinder And Or Grooving Machine (riding Type) (group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Pile Driver Operator (not Crane Type) (asst To Engineer Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Pipe Bending, Cleaning, Doping And Wrapping Machines(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Pipe, Cast In Place Pipe Laying Machine(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Plant Oiler(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Pump (any Power)(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Pump Operator, More Than 5 Pumps (any Size)(group 5)	\$60.37	7B	4G	8U	View

Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Ballast Compactor, Regulator Or Tamper Machines(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Ballast Tamper Multi-purpose(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Brakeman, Switchman, Motorman(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Car Mover(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Clip Applicator(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, High Rail Self Loader Truck(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Lo-railer(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Locomotive, 40 Ton And Over (asst To Engineer Required)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Shuttle Car Operator(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Speedswing(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Switchman(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Tamping Machine, Mechanical, Self-propelled(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rail, Track Liner(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Remote Controlled Earth Moving Equipment(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rigger(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Roller Grading (not Asphalt) (group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Rubber-tired Dozers And Pushers(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Scraper All Types(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Service Oiler (greaser)(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Shovel, Dragline, Clamshell, 5 Yards And Over(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Side-boom(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Skip Loader, Drag Box(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Stump Grinder (loader Mounted Or Similar Type)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Surface Heater And Planer(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Sweeper Self-propelled, Construction Job Site(group 5)	\$60.37	7B	4G	8U	View

Klickitat	Power Equipment Operators-Underground Sewer & Water	Tar Pot Fireman (power Agitated) Or Not(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tractor Rubber-tired, 50 Hp Flywheel & Under(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tractor, Rubber-tired Over 50 Hp Flywheel(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Trenching Machine 3 Ft Depth And Deeper (asst To The Operator If Required)(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Trenching Machine Operator, Maximum Digging Capacity 3 Ft Depth(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler-driver(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Truck, All Terrain Or Track Type(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Truck, Barrel Type(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Truck, Boom(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Truck, Off-road Trucks, Articulated And Non-articulated Trucks(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Truck, Offroad Trucks, Articulated And Non-articulated Trucks(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Truck, Vacuum(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Truck, Water(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tub Grinder(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel Boring Machine Mechanic(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel Boring Machine(group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel Segment Plant(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel Separation Plant(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel Shaef Loader(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel, Locomotive, Dinkey(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel, Micro Boring Tunnel Machine(group 1)	\$68.00	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel, Mucking Machine(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel, Power Jumbo Setting Slip Forms, Etc.(group 5)	\$60.37	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Tunnel, Shield Operator(group 4)	\$61.61	7B	4G	8U	View

Klickitat	Power Equipment Operators-Underground Sewer & Water	Ultra High Pressure Water Jet Cutting Tool System Operator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Underwater Equipment, Remote Or Otherwise(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Vacuum Blasting Machine Operator(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Water Pulls, Water Wagon(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Welder's Assistant(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Welder; Heavy Duty, Certified Or Not(group 4)	\$61.61	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Welding Machine(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Wheel Excavation Any Size (grade Oiler Required)(group 2)	\$66.10	7B	4G	8U	View
Klickitat	Power Equipment Operators-Underground Sewer & Water	Wire Mat Or Brooming Machine(group 6)	\$57.15	7B	4G	8U	View
Klickitat	Traffic Control Stripers	Journey Level	\$53.26	7P	1K		View
Klickitat	Truck Drivers	Asphalt Mix Over 20 Yards	\$57.60	5D	1V	8M	View
Klickitat	Truck Drivers	Asphalt Mix To 20 Yards	\$57.40	5D	1V	8M	View
Klickitat	Truck Drivers	Dump Truck	\$57.40	5D	1V	8M	View
Klickitat	Truck Drivers	Dump Truck & Trailer	\$57.60	5D	1V	8M	View
Klickitat	Truck Drivers	Other Trucks	\$57.29	5D	1V	8M	View
Klickitat	Truck Drivers - Ready Mix	Transit Mixers 20 yards and under	\$57.60	5D	1V	8M	View
Klickitat	Truck Drivers - Ready Mix	Transit Mixers over 20 yards	\$57.94	5D	1V	8M	View

SPECIAL PROVISIONS

INTRODUCTION

The following Special Provisions supersede any conflicting provisions of the current Standard Specifications for Road, Bridge, and Municipal Construction and the foregoing amendments to the Standard Specifications and are made a part of this contract.

TERMS

Where the terms "State" or "Contracting Agency" appear in the Standard Specifications and the Special Provision, the "City of White Salmon" shall be used for this contract. Where the terms "Engineer" or "Secretary of Transportation" appear in the Standard Specifications and the Special Provisions, "City of White Salmon" or their "designated representative" shall be used for this contract. Where the terms "Department" or "Department of Transportation" appear in the Standard Specifications and the Special Provisions, "City Council of White Salmon" shall be used for this contract. Where the term "Superior Court" appears in the Standard Specifications and the Special Provision, "Superior Court of Klickitat County" shall be used for this contract.

DIVISION 1 GENERAL REQUIREMENTS

DESCRIPTION OF WORK

The project includes the following approximate major work descriptions:

Base Bid: 292 cyd of excavation, 575 tons of crushed surfacing, 350 tons of hot mix asphalt, 1,296 syd of pavement grinding, 984 syd of pavement removal, 644 feet of curb and gutter, 220 syd of concrete sidewalk and driveway, 81 feet of 12" storm and 1 catch basins.

COORDINATION OF CONTRACT DOCUMENTS, PLANS, SPECIAL PROVISIONS, SPECIFICATIONS, AND ADDENDA

Section 1-04.2 of the Standard Specifications is modified in part 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, 3, 4, 5, 6, and 7; 2 presiding over 3, 4, 5, 6, and 7; and so forth):

1. Addenda,
2. Proposal Form,
3. Special Provisions,
4. Contract Plans,
5. Amendments to the Standard Specifications,
6. Standard Specifications, and
7. *Standard Plans*.

On the Contract Plans, Working Drawings, and *Standard Plans*, figured dimensions shall take precedence over scaled dimensions.

GENERAL NOTES

1. The Contractor shall procure and conform to all construction permits required by the City. The Contractor shall pay for all project permit costs. A City business license will be required and approval and proper permitting of dump site will be required before any work begins. Any additional permits needed for all project work to take place will be the contractor's responsibility.
2. All materials and workmanship for facilities in street right of way or easements shall conform to the approving agency's construction specification wherein each has jurisdiction including, but not limited to the City of White Salmon, Washington Department of Health (DOH) and Washington Department of Ecology (DOE).
3. The Contractor shall perform all work necessary to complete the project in accordance with the approved construction drawings and specifications including such incidentals as may be necessary to meet applicable agency requirements and provide a completed project.
4. The Contractor shall notify all utility companies a minimum of 48 business hours (2 business days) prior to start of construction and comply with all other requirements of the serving utilities.
5. Any inspection by the City or other agencies shall not, in any way, relieve the Contractor from any obligation to perform the work in strict compliance with the contract documents, applicable codes and agency requirements.
6. The Contractor shall erect and maintain barricades, warning signs, and traffic cones per city requirements in accordance with the manual on uniform traffic control devices (MUTCD) with Washington amendments. Access to driveways shall be maintained at all times. All traffic control measures shall be approved and in place prior to any construction activity.
7. Contractor shall submit an asbuilt set of plans following construction completion and prior to project acceptance.
8. Material submittals shall be made for all materials used for the project.
9. Other work designated to Project Engineer- Change Orders, Force Account, CI2 testing, pressure testing, problems with customers and or connections, changes in the field.

CONSTRUCTION STAKING

The Engineer will provide the following:

1. Control points and benchmarks on the job site;
2. Offset stakes for curbs, manholes, catch basins, water/sewer/storm lines, and other appurtenances.
3. Location stakes for miscellaneous items.

It shall be the contractor's responsibility to preserve all construction stakes and benchmarks. Replacement caused by damage shall be made by the Engineer at the expense of the Contractor.

It shall be the contractor's responsibility to verify the correctness of the CADD drawings prior to staking.

The Contractor shall provide a minimum of 3 working days notice ahead for staking to the Engineer.

LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

LIABILITY

The Contractor shall be liable for the payment of all fines and penalties resulting from failure to comply with the federal, state, and local pollution control requirements.

LOAD LIMITS

Legal load limits as described in Section 1-07.7(2) shall be adhered to.

HAULING ON OTHER THAN STATE HIGHWAYS

If the sources of materials provided by the Contractor necessitate 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.

TEMPORARY EROSION CONTROL

The contractor shall perform all temporary water pollution/erosion control measures in accordance with the Storm Water Pollution Prevention Plan (SWPPP), permits and local, state and federal law. The City will obtain the Construction Storm water General Permit. The SWPPP for the project is available upon request.

The contractor shall identify and provide the ESC Lead in accordance with Section 8.01 of the Standard specifications. The ESC Lead shall implement the Plan and all erosion control measures required to conform to state water quality standards.

The ESC Lead will be measured and paid for as per day and shall include all work necessary to install/maintain/remove BMP's in accordance with 8-01 of the standard specifications, monitoring and measuring requirements, submitting all discharge monitoring reports and inspection reports by the 5th of the month to the City. ESC lead is included in both the Base and Alternate bids.

SPILL PREVENTION CONTROL AND COUNTERMEASURES

The contractor shall prepare a project specific SPCC Plan in accordance with Section 1-07.15(1) as revised by the amendments. The SPCC Plan shall be paid for as lump sum.

UTILITIES

Section 1-07.17 is supplemented by the following:

EXISTING UTILITIES AND FACILITIES:

1. The location and descriptions of existing utilities shown on the drawing are compiled from available records and/or field surveys. The Engineer, The City of White Salmon and Utility Companies do not guarantee the accuracy or completeness of such records. The

Contractor shall field verify locations and sizes of all existing utilities prior to construction at no expense to the City of White Salmon.

2. The Contractor shall field verify location and depth of all existing utilities where new facilities cross. Contractor shall be responsible for exposing potential utility conflicts far enough ahead of construction to make necessary grade or alignment modifications without delaying the work. If grade or alignment modifications are necessary the Contractor shall notify the Engineer and the Engineer shall obtain approval from the City prior to construction. All utility crossings shall be potholed as necessary prior to excavating or boring to allow the contractor to prevent grade or alignment conflicts.
3. All facilities shall be maintained in-place by the Contractor unless otherwise shown or directed. Contractor shall take all precautions necessary to support, maintain or otherwise protect existing utilities and other facilities at all times during construction. The Contractor is to leave existing utilities in an equal or better than original condition and to the satisfaction of the City.
4. Waterlines and other utilities or interfering portions of utilities that are to be abandoned in place shall be removed by the contractor to the extent necessary to accomplish the work. The Contractor shall plug the exposed ends of all abandoned utilities with a manufactured plug or concrete.
5. The Contractor shall remove all signs, mailboxes, fences, landscaping, etc. As required to avoid damage during construction and replace them to existing or better condition.
6. Any septic tanks encountered during construction shall be pumped out. Contractor shall break the tank and backfill with pea gravel unless otherwise required by public agencies having jurisdiction. Septic tank removal shall be in accordance with county sanitarian requirements. The Contractor shall coordinate and pay all costs associated with removing or abandoning septic tanks. The Contractor shall notify the City upon discovery of tanks not shown on the plans and obtain concurrence from the City prior to proceeding with the work. The Contractor shall provide a detailed cost breakdown of all work related to said removal or abandonment. The Contractor will be reimbursed on a time and materials basis or at a negotiated price as agreed to by the City.
7. The Contractor shall be responsible for managing construction activities to ensure that public streets and right of ways are kept clean of mud, dust or debris. Dust abatement shall be maintained by adequate watering of the site by the Contractor. Streets shall be swept by the contractor as necessary to keep clean
8. All existing or constructed manholes, cleanouts, monuments, gas valves, water valves and similar structures shall be adjusted to match finish grades of the pavement, sidewalk, landscape area or median strip wherein they lie. Verify that all valve boxes and risers are clean and centered over the operation nut. Adjustment after placement of the final asphalt course will not be allowed.

UNLOCATED OR MISLOCATED UTILITIES:

1. Any cost incurred by the Contractor due to un-located or mis-located utilities, including but not limited to city waterlines (mains and services). City sewer lines (mains and side sewers), city storm drains, electrical lines, gas lines, telephone lines, cable television lines shall not be the responsibility of the City and no payment from the City shall be forthcoming for any work related to these un-located or mis-located utilities. The Contractor shall include any cost associated with this item in other items of work.

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 the project.

The Contractor shall call the Utility Location Request Center (One Call Center), for field location, not less than two, nor more than ten business days before the scheduled date for commencement of excavation which may affect underground utility facilities, unless otherwise agreed upon by the parties involved. A business day is defined as any day other than Saturday, Sunday, or a legal local, State or Federal Holiday. The telephone number for the One Call Center is 1-800-424-5555. If no one-number locator service is available, notice shall be provided individually to those owners known to or suspected of having underground facilities within the area of proposed excavation.

The Contractor is alerted to the existence of Chapter 19.122 RCW, a law relating to underground utilities. Any cost to the Contractor incurred as a result of this law shall be at the Contractor's expense.

No excavation shall begin until all known facilities, in the vicinity of the excavation area, have been located and marked.

The following addresses and telephone numbers of utility companies known or suspected of having facilities within the project limits are supplied for the Contractor's convenience:

Water/Sewer/Street	City of White Salmon	Fred Simonson	509-493-1137
Telephone	Embarq	Bill Muncey	541-387-9346
Power	Klickitat PUD	Mike Blumenstein	509-493-2255
Gas Pipeline	Northwest Natural	Sheri Clark	503-226-4211ext.2045
Cable	Charter Communications	Mark Voorde	509-731-0272

PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE

In addition to the requirements of Section 1-07.18, the Contractor shall comply with the following:

The cost to name the State as being insured as required by Section 1-07.18 shall be reported to the Engineer on DOT Form 421-025, Public Liability And Property Damage Insurance Certification. This certification shall identify only the cost to provide insurance coverage for the State in accordance with Section 1-07.18 and shall not include any cost for the Contractor's portion of the insurance. The Contractor shall make every effort to identify the cost. However, in the event the cost is not identifiable, the Contractor will be permitted to report that fact in order to comply with the requirements of this subsection. The certification shall be submitted to the Engineer as soon as the cost can be identified but not later than when the Contractor signs and returns the Final Contract Voucher Certification for final payment as provided in Section 1-09.9. This certification shall be subject to audit, in accordance with Section 1-09.12, to ensure the costs are properly reported.

WORK ADJACENT TO PRIVATE PROPERTY

The Contractor shall conduct his work in such a manner as to minimize the inconvenience to the public, traffic, and property owners.

The Contractor shall confine his operations to easements and public rights-of-way. Where the Contractor is installing improvements on private property, he shall keep his operations to a minimum.

The Contractor must provide the 48-hour prior notice to the Owner before entering upon private property. Upon the completion of each day's work, the Contractor shall make provisions as may be required to ensure access by all property owners to their property. The Contractor must backfill all pipe ditches along roadways at the end of each day. Without prior approval from the Engineer, not more than 200 feet of ditch can be open at any time. In areas where rock is encountered and it is not feasible to backfill the ditch at the end of the day, a barrier acceptable to the Engineer shall be placed along the open trench.

The Contractor shall prevent dust nuisance by applying water as necessary, and also at times and in locations required by the Engineer. Water shall be included in other items of work and no separate payment shall be made.

SAFETY AND HEALTH

The Contractor shall comply with Safety and Health, Health Regulations for Construction, promulgated by the Secretary of Labor under Section 107 of the Contract Work Hours and Safety Standards Act, as set forth in Title 29, C.F.R. Copies of these regulations may be obtained from Labor Building, 14th and Constitution Avenue NW, Washington, DC 20013.

The Contractor shall also comply with the provisions of the Federal Occupational Safety and Health Act, as amended, and all applicable state and local laws, regulations, and codes related to safety and health and Washington State Safety Standards for Construction work (Chapter 296-155 WAC as issued 5/00).

NOISE POLLUTION

The Contractor shall take all reasonable measures for the suppression of noise resulting from work operations consistent with the applicable local regulations regarding noise control levels.

Mobile engine driven cranes, loaders, and similar material handling equipment; engines used in stationary service for standby power; and air compressors from high and low pressure service shall be equipped with exhaust and air intake silencers designed for the maximum degree of silencing. The type of silencer required is that specified by the applicable noise regulations for use in critical noise problem locations such as high density residential, hotel, and hospital areas.

PUBLIC CONVENIENCE

The Contractor shall conduct his work in such a manner as to minimize the inconvenience to the public, traffic, and property owners.

The Contractor shall confine his operations to easements and public rights-of-way. Where the Contractor is installing improvements on private property, he shall keep his operations to a

minimum. Work during weekdays shall be between 7 am and 7 pm. Work on weekends shall be between 8 am and 5 pm.

The Contractor must provide the 48-hour prior notice to the Owner before entering upon private property. Upon the completion of each day's work, the Contractor shall make provisions as may be required to ensure access by all property owners to their property. The Contractor must backfill all pipe ditches along roadways at the end of each day. Without prior approval from the Engineer, not more than 200 feet of ditch can be open at any time. In areas where rock is encountered and it is not feasible to backfill the ditch at the end of the day, a barrier acceptable to the Engineer shall be placed along the open trench.

The Contractor shall prevent dust nuisance by applying water as necessary, and also at times and in locations required by the Engineer.

PROJECT TEMPORARY TRAFFIC CONTROL

The Contractor shall provide Traffic Control Plans 72 hours prior to construction for approval. Construction Signing and Traffic Control Plan must be submitted to the City and approved prior to start of construction and any work in the public right-of-way.

The Contractor shall notify the City a minimum of 72 hours in advance of any construction requiring partially closing the road. Access may require temporary sheeting.

The Contractor shall take all necessary measures to maintain a normal flow of vehicular and pedestrian traffic to prevent accidents and to protect the work throughout the construction stages until completion of the work. The Contractor shall make the necessary arrangements to reroute traffic, provide and maintain barriers, cones, guards, barricades, and construction warning and regulatory signs. The Contractor shall take effective measures necessary to protect all other portions of the work during construction and until completion. This includes providing and maintaining all necessary barriers, barricade lights, guards, temporary crossovers, and watchmen in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways," U.S. Department of Transportation, Federal Highway Administration. Failure to comply will be cause for the project to be temporarily shut down until corrections are made.

The Contractor shall daily clean up areas exposed to traffic and place type II barricades, lights and reflective cones that are fully functioning at the end of each shift.

Project Temporary Traffic Control shall be paid by lump sum. Traffic control devices, supervisor, flagging, and all Class A construction signing necessary shall be included in this item.

PROGRESS SCHEDULING

At the pre-construction conference, the Contractor shall furnish to the Engineer a construction schedule, which shall be mutually agreed upon. Any subsequent substantial changes in the Contractor's schedule shall be submitted to the Engineer for his approval.

Five percent (5%) withheld in accordance with Section 1-09.9(1) of the Standard Specifications.

REQUIREMENTS ON COUNTY ROADS

The Contractor shall comply with all requirements of the Klickitat County Department. The Contractor shall not be allowed to haul on the County road rights-of-way during the winter months, except as determined by the County Road Departments.

DISPOSAL OF SURPLUS MATERIAL

No disposal site is provided. The contractor shall make all arrangements for disposal. Landowner approval and required permits must be given to Engineer prior to Excavation.

MATERIALS SOURCE

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 City, 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.

RESTORATION OF IMPROVEMENTS

The Contractor shall remove such existing structures, including signs, curbs, gutters, pipelines and utility poles, as may be necessary for the performance of the work and shall rebuild the structures thus removed in as good a condition as found with the requirements specified. He shall also repair existing structures which may be damaged as a result of the work under this contract.

Cultivated or planted areas and other surface improvements which are damaged by actions of the Contractor shall be restored as nearly as possible to their original condition. Landscaping areas will need to be widened where sidewalk locations shift. Materials will match those behind the existing adjacent walk. Additional plants will not be required unless separately contracted for with the adjacent landowner.

Existing culverts, guard posts, barricades, mailboxes and fences shall be protected and replaced if damaged.

The Contractor shall immediately correct or replace existing equipment, controls or systems which are damaged as a result of his operations.

The Contractor shall restore or replace in kind damages to private property, public or private utilities, or the Owner's property caused by his operations. All areas outside the limits of the work that have been disturbed by the Contractor shall be smoothed, reshaped, and restored to conform to the surrounding undisturbed areas. All areas shall be cleaned up in a workmanlike manner free of litter, debris, and excess materials.

The Contractor shall plan his operation, equipment, and materials storage so they do not unreasonably limit accessibility of City and Klickitat County personnel, and other persons in the construction area.

The Contractor shall be solely responsible for any trespass on adjacent property or injury thereto resulting from or in connection with his operations. He shall hold the Owner harmless from any claims that may result because of his trespass or the deposit of debris upon adjacent property.

No separate measurement or payment will be made for restoration of improvements which are considered incidental to other items or work.

CONSTRUCTION SITE CONTROLS

The contractor shall keep the work site clean and free from rubbish and debris. Materials and equipment shall be removed from the site when they are no longer necessary. Upon completion of the work and before final acceptance, the work site shall be cleared of equipment, unused materials and rubbish to present a clean and neat appearance.

The Contractor shall not discharge smoke, dust, and other contaminants into the atmosphere that violate the regulations of any legally constituted authority. He shall also abate dust nuisance by cleaning, sweeping, and sprinkling with water, or other means as necessary. The use of water, in amounts which result in mud on public streets is not acceptable as a substitute for sweeping or other methods.

CLEARING AND GRUBBING

Clearing and grubbing on this project shall be performed in accordance with Section 2-01. No separate measurement or payment will be made for clearing and grubbing on this project, it being considered incidental to construction, and payment therefore being included in other items of work.

PLANING BITUMINOUS PAVEMENT

Section 5-04.3(14) is supplemented with the following:

All planed material shall be hauled to the City Maintenance Yard and distributed at the direction of the Public Works Supervisor.

Care shall be taken to not damage the valve boxes while adjusting them. Valve boxes damaged, due to the Contractor's operations, shall be repaired or replaced by the Contractor at no additional cost to the Contracting Agency and to the satisfaction of the Engineer.

Section 5-04.4 is supplemented with the following:
Measurement shall be for actual square yards planed.

Section 5-04.5 is supplemented with the following:
Payment will include all costs associated with planing surface, excavating material, loading, hauling material and depositing material for City forces to grade.

ASPHALT REMOVAL

Section 2-02.3(3) is supplemented with the following:

Care shall be taken to not damage the valve boxes while adjusting them. Valve boxes

damaged, due to the Contractor's operations, shall be repaired or replaced by the Contractor at no additional cost to the Contracting Agency and to the satisfaction of the Engineer. Measurement shall be for actual square yards removed.

The unit cost shall include all costs associated with asphalt removal, excavating material, loading, hauling and depositing material at an approved disposal site.

BALLAST AND CRUSHED SURFACING

Ballast and Crushed Surfacing for top course and base course shall be in accordance with Section 4-04 and 9-03 of the Standard Specifications

Crushed surfacing under the following surfaces: Concrete driveways and sidewalks shall be included in those items and no separate payment will be made.

Base course under roadway shall be paid per ton.

Top course under roadway shall be paid per ton.

Weigh tickets for crushed surfacing will be collected by the inspector on site for each load.

The unit price for crushed surfacing base course, hauling, placing, watering, compacting, and all other work as specified.

SURFACE RESTORATION

The Contractor shall perform all work and furnish all materials to restore any gravel, asphalt, or concrete surface damaged or disturbed by his construction operation. The Contractor shall be responsible for maintaining a road surface suitable for travel by the public from the time of excavation until the road surface has been restored. Such work includes dust control, temporary patching, curb replacement, signing, grading, matching to existing driveways and alleys, and filling of potholes on temporary street surfaced, etc. The Contractor shall be responsible for all claims and damages resulting from his failure to maintain a suitable surface.

All surfaces and surface improvements affected by the Contractors' operations shall be restored to a condition equal to or better than pre-construction conditions. The Engineer shall be the sole judge as to the equality of materials and work when comparing post-construction conditions to pre-construction conditions. Restoration shall be fully completed within two weeks after backfilling is done.

Surface restoration of earth areas and slopes shall consist of the removal of rocks larger than 3" from the top 3" of the backfill and replacement of topsoil (Type B) in accordance with Section 9-14. It is recommended that the topsoil be kept separated during excavation. Grass seed shall be mixed as follows and applied with an approved hydroseeder or as an option with seed and mulch:

Fairway, Douglas, or Ephraim-Crested Wheat Grass	12.5#/acre
Arriba, Barton or Rosana-Western Wheat Grass	12.5#/acre
Durar-Hard Fescue	12.5#/acre
Covar, Azay, MX-86, Mechlenberg-Sheep Fescue	12.5#/acre
Fertilizer (26-13-13)	385#/acre
Mulch	1400#/acre

Hot Mix Asphalt (HMA) shall conform to Section 5-04 of the Standard Specifications for commercial HMA. A mix design shall be submitted for approval.

Surface restoration for asphalt areas shall be paid for by the ton for HMA surfacing.

The maximum pay width for HMA surfacing shall be 4.00 feet unless approved otherwise.

Extra excavation in those areas exceeding the limits will not be allowed. Disturbing areas of existing asphalt outside of these limits will result in asphalt replacement without compensation.

Surface restoration for gravel areas, grass areas, slopes, ditches and all other work not specified shall be paid per lump sum of the surface restoration bid item.

EXCAVATION AND EMBANKMENT

Excavation and embankment shall conform to Section 2-03 of the Standard Specifications.

Only one determination of the original ground elevation will be made on this project. Measurement for excavation will be based on the original ground elevations determined during the topographic survey. Control stakes will be set during construction to provide the Contractor with all essential information for the construction of excavation and embankments.

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

Earthwork quantities may be computed by means of electronic data processing equipment.

The excavation of existing sidewalks, driveways, and curb and gutters is included in this item. All costs associated with removal, loading,

Copies of all survey data and calculations of quantities will be available to the contractor.

The unit contract price per cubic yard for excavation and grading for roadway, including hauling shall include all materials, tools, labor, work, and equipment necessary for excavation to the grade lines shown including but not limited to hauling, shaping, and grading per section 2-03, subgrade preparation per section 2-06, compacting, testing, and loading.

TRENCH EXCAVATION, BEDDING AND BACKFILL

Trench excavation, bedding and backfill shall be done in accordance with Section 7-08 and 7-09 of the Standard Specifications.

Bedding material shall be gravel backfill for pipe zone bedding per Section 9-03.12(3) of the Standard Specifications.

All trenches shall be backfilled or plated at the end of each day. No trench will be left open at night or on weekends.

Trench backfill shall be in accordance with the trenching details. The Contractor shall have the option of using CDF in lieu of crushed surfacing. Crushed surfacing shall be compacted to 95%. The Contractor shall provide compaction tests to verify that backfill meets the 95% density requirements. Any areas not meeting the requirements shall be removed and re-compacted.

CDF shall meet the requirements of Section 2-09.3(1)E of the Standard Specifications.

Bedding material and backfill material will be approved by the Engineer.

Trench excavation, bedding material, backfill and CDF shall be included in the linear foot price for piping or other related items of work and no separate payment will be made therefore.

In those areas where CDF is required by the Engineer, payment will be by the cubic yard. No adjustment for decreases in quantities will be made since this item is designated as a common proposal in accordance with Section 1-04.6.

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

This Item shall comply with Sections 2.02 and of the Standard Specifications.

This work consists of removing, handling, and disposing of material and debris encountered during excavation for roadway, trench, or sidewalks. This bid item is to include any existing pipes, thrust blocks, utilities, structures for utilities, manholes, catch basins, riprap, buried concrete, logs or debris, asphalt pavement, existing concrete or rock walls, fences, landscape items, and any other structures or obstructions that must be removed to complete the project as shown on the Plans and detailed in these contract provisions. Any salvageable materials or items shall be delivered to the City.

Removal of structures and obstructions shall be paid for by lump sum.

EXTRA TRENCH EXCAVATION

Extra trench excavation required by changes in grade shall be in accordance with Section 7-09.3(7) of the Standard Specifications and shall include replacement with suitable backfill. Known locations where more than 3' of cover is required due to conflict with existing or future utilities is specified on the plans.

Extra excavation will be paid for by the cubic yard, in place, additional rock required, and all include hauling. There shall be no adjustment for decreases in quantities since this item is designated as a common proposal in accordance with Section 1-04.6.

REMOVAL AND REPLACEMENT OF UNSUITABLE TRENCH & FOUNDATION MATERIAL

Unsuitable Material below the bottom of the trenches and foundations shall be removed to the depth directed by the Engineer and backfilled and foundation material in accordance with Section 2.03.3(14)E and 7-09.3(8) of the Standard Specifications.

Where unsuitable trench and foundation excavation is required, payment shall include replacement with suitable backfill.

Removal and replacement of unsuitable foundation & extra trench excavation shall be paid for by cubic yard, in place, and include hauling and there shall be no adjustment for decreases in quantities since this item is designated as a common proposal in accordance with Section 1-04.6.

SHORING

Shoring shall comply with Section 2-09.5 and 7-08.3(1)B of the Standard Specifications and shall be paid for per lump sum.

ROCK EXCAVATION

Rock excavation shall be in accordance with Section 7-09.3(7)B of the Standard Specifications.

In addition to the requirements of the Standard Specifications, the following shall also apply:

The Contractor shall give 24 hour notification to the City, White Salmon Police Department, and all property owners within 500 feet of the blast area at least 24 hours prior to any blasting operations. Blasting shall be done in accordance with Safety and Health regulations of the State of Washington.

Rock excavation shall be paid for by the cubic yard. No adjustment in the bid price for decreases or increases will be made since this item is designated as a "common proposal" in accordance with Section 1-04.6.

The transportation, handling, storage, and use of explosives shall be subject to the provisions of Page 287 of Subpart U, Blasting and the use of Explosives, Section 1518.900, General Provisions of the Department of Labor, "Safety and Health Regulations for Construction," and applicable provisions of the Bureau of Reclamation Supplement thereto and the State of Washington Department of Labor and Industries "Safety and Health Regulations for Construction Work" WAC 296, Chapter 40, pages 330 through 400. The Contractor shall maintain an inventory record of storage and withdrawal of all explosives. This record shall be available to the Engineer and he shall promptly be notified of any loss or theft of explosives. The Contractor shall provide such reasonable and adequate protective facilities as are necessary to prevent loss or theft of explosives. Overnight storage of explosives and detonators outside of the magazines will not be permitted.

When drilling in rock or other dust producing material, the dust shall be controlled within the safe hygienic limits as specified in the "Threshold Limit Values of Airborne Contaminates" published by the American Conference of Governmental Industrial Hygienists.

All percussion-type drilling shall be performed with drilling apparatus equipped with water or chemical dust-control systems or other equivalent means of controlling the dust. Pressure tanks used in the suppression equipment shall conform to ASME Boiler and pressure Vessel Code. Section VII for Unfired Pressure Vessels. Equipment and solution used shall be suitable for operation in freezing weather. Dust-control devices are not required on jackhammers, provided the operators wear approved-type dust respirators when dust concentrations exceed safe hygienic limits.

Since the excavation and blasting operations are adjacent to private improvements, the Contractor shall take adequate precautions to fully protect all property from damage caused by blasting operations. All blasting shall be carried out in such a manner as to minimize vibrations that reach adjacent structures, and the Contractor shall take such precautions to ensure that such vibrations as recorded at the nearest buildings or structures are not of such magnitude as to cause damage.

Flyrock shall be controlled through proper spacing of the charges and through the use of blast mats or mounding soil over the shot after loading.

Removal of rock by hammering will be allowed. The Contractor shall be responsible for testing (by a licensed laboratory) of the rock to determine if it meets the definition of Section 7-09.3(7)B of the Standard Specifications if any disagreements arise as to what constitutes rock.

REPAIR WATERLINE

Existing water mains and services shall be maintained at all times. Damaged lines shall be repaired by the contractor at no cost to the City.

STORM SEWER

Storm sewers shall be 12" corrugated smooth interior polyethylene pipe, as specified in Sections 7-04 and 9-05.20 and constructed in accordance with Section 7-08 of the Standard Specifications and the plans. Once a particular type and manufacturer is selected the contractor shall use that type for the entire project. In areas where not under new roadway construction, all backfilling will be done according to the trenching details shown on the plans and will be included in this pipe price.

Excavation, bedding and backfill for storm sewer shall be as shown and payment shall be considered as included in the linear foot price for storm sewer.

Manhole covers shall contain the word "STORM" in 2" raised letters. Manholes shall conform to Section 7-05. Manholes shall be installed over 6 inches of bedding material. All lift holes must be grouted from the outside of the manhole prior to backfilling. Manhole rims in paved areas or shoulders shall be installed flush with the pavement. All pipe connections into new manholes shall be installed with an approved entry coupling or gasket.

Manholes shall be measured by each for each type installed. The unit price bid per each manhole shall be full compensation for the manhole in place complete, including; new or salvaged frames and covers, connections to sewer pipes, excavation, backfill, removal and disposal of existing manhole (where required), testing, and all incidental work required for a complete facility.

CATCH BASIN

Catch Basins shall conform to Section 7 of the Standard Specifications. Catch basins in streets shall be concrete catch basins. Once the contractor has decided on the type they shall be used throughout the project. Concrete catch basins bases may be either precast or cast in place conforming to WSDOT Type I, in accordance with Standard Plan B-1 and B-2e. Catch basins shall be backfilled with approved $\frac{3}{4}$ " crushed rock.

Locations of combination Inlets with a curb opening grate or flat grade inlets will be specified on the plans. Flat grate inlet shall conform to Standard Plan B-2b.

The unit price bid per each, for either Catch Basin - Combination Inlet, shall include the frame and grate, insert debris trap, excavation, backfill and all costs for furnishing the catch basins completed and placed.

The unit price bid per each, for either Catch Basin – Type I, Flat grate Inlet, shall include the frame and grate, insert debris trap, excavation, backfill and all costs for furnishing the catch basins completed and placed.

COMPACTION TESTING

The contractor shall provide compaction tests for trench backfill and for compaction of base and top course and for Hot Mix Asphalt. A plan for compaction testing shall be submitted for approval.

The plan shall outline the number of compaction tests required for trenching and for the layers of top course and ballast to satisfactorily guarantee that the requirements for compaction are met. If testing indicates failure to comply with the requirements additional tests will be required at no cost.

Compaction testing will be required under all roadways and ditches every 300 feet. If testing indicates failure to comply with the requirements additional tests will be required at no cost.

Maximum density and optimum moisture content shall be in accordance with Section 2-03.3(14)D of the Standard Specifications and shall be done by an independent testing laboratory and shall be submitted to the Engineer prior to any compaction tests. Written compaction tests results from an independent testing laboratory must be received within 48 hours of the test and prior to placing asphalt pavement.

Compaction testing shall be included in other items of work and no separate payment shall be made.

WORK BREAKDOWN BY SCHEDULE

Note: The following work descriptions are general and intended to give the contractors a basic idea of the work divisions between schedules. Contractors are advised that changes to the specifications may be made by addendum, and receipt and understanding of each addendum must be shown on the bid sheet. Failure to certify receipt and inclusion of addendums may result in bid rejection.

OTHER CONTRACTORS: It is expressly understood that more than one contractor may be working on the site, and that each contractor must cooperate and communicate with the other contractors so that no delays or conflicts arise. The work and presence and reasonable adjustment of schedules to allow for work by other contractors is a part of the work description and shall not be the basis for any claim against the City of White Salmon.

GENERAL STANDARDS: It is understood that provision and appropriate installation of materials and equipment are included in each Schedule unless specifically exempted or listed as work elsewhere. At a minimum, all work must meet the Contract Specifications, the International Building Code, WSDOT Standard Specifications, the National electrical Code and the manufacturer's recommendations. All work shall be tested for compliance with specifications and shall pass the various tests prior to acceptance by the City.

SUBMITTALS: The Contractor must submit for approval, prior to ordering, three (3) copies of any and all manufactured equipment or material. This includes, AT A MINIMUM, all piping, fittings, valves, valve boxes, control valves, and additional equipment necessary for the construction of a complete project.

Coordination will be critical when new mainline is brought in use to eliminate shut down of water service to customers for longer than 8 hours. All customers will need to be notified when this will take place.

HOT MIX ASPHALT (HMA)

Hot Mix Asphalt on this project will be performed under the following revisions to the Standard Specifications.

Delete Section 5-04.3(9)B Mixture Acceptance – Statistical Evaluation

Add the following paragraph of Section 9-03.8(6):

For the determination of a Project Mix Design, the Contractor shall submit to the Engineer's representative, a recent (24 month max.) approved mix design of grade "**Commercial HMA**" which will be reviewed for acceptance in accordance with 5.04.3(9)D.

Tonnage tickets must be presented to inspector with each load. Any portion of any load that is taken back to the plant, removed from the project site, or rejected will be deducted from the tonnage ticket. Partial loads taken back will be reweighed with a corrected tonnage ticket to be presented to the inspector. New HMA temporary ramps that are removed will be paid for at the discretion of the engineer.

Commercial HMA will be paid per ton.

CONCRETE CURB AND GUTTER

The cement concrete curb and gutter shall be constructed in accordance with section 5-05, 6-02, and 8-04 of the Standard Specifications and as further described in the Plans. All curbs and gutters shall be constructed with air entrained concrete Class 4000.

Curing shall be performed by applying a colorless sealing compound to the surface of the concrete immediately after it has set sufficiently to permit such application. Curing compound shall meet the requirements of Section 9-23.2 except that it shall be colorless. Curing compound shall be approved by the Engineer.

Mastic expansion joints shall be placed at all points of tangency and matching sidewalk joints.

No concrete shall be poured against dry forms or dry subgrade.

Concrete cylinders will be taken by the Engineer each day.

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.

The unit price bid shall include all labor and materials necessary to forming, placing, buck-outs, depressed sections, joint fillers, curing, barricades, reinforcement, and any other items of cost necessary to the installation, complete in place.

Measurement for payment will be the lineal foot of curb or curb and gutter in place, and measurement will be made along the back line of the curb.

SIDEWALK AND DRIVEWAY APRONS

Sidewalks and driveway aprons shall be constructed in accordance with section 5-05, 6-02, 8-06, and 8-14 of the Standard Specifications and as further described herein and shown on the Plans.

All driveways shall be constructed with air entrained concrete Class 4000, sidewalks will be allowed to meet class 3000.

Mastic expansion joints shall be placed at all points of tangency and matching sidewalk joints.

No concrete shall be poured against dry forms or dry subgrade.

Concrete cylinders will be taken by the Engineer each day.

Curing shall be performed by applying a colorless sealing compound to the surface of the concrete immediately after it has set sufficiently to permit such application. Curing compound shall meet the requirements of Section 9-23.2 except that it shall be colorless. Curing compound shall be approved by 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.

Premolded joint filler shall be 3/8 inch thick shall be placed 15 foot on center and the beginning and end of any curve. Dummy joints shall be at 5'0" intervals. Sidewalk and curb joints shall coincide. Joint filler shall be placed between all new work and existing sidewalks, structures, etc. The cost of this premolded joint filler shall be merged in the unit prices bid for Sidewalks.

The unit price bid per square yard for Sidewalk shall include all costs for furnishing the sidewalks complete in place including excavation, embankment, 2" dead rolled leveling top course material and work, forming around meter boxes, mail boxes or other obstructions and all other work necessary.

The unit price bid per square yard for driveway apron shall include all costs for furnishing the driveways complete in place including excavation, embankment, 2" dead rolled leveling top course material and work, forming around meter boxes or other obstructions, and all other work necessary.

Where stairs or other existing concrete is connected to the current sidewalk, the Contractor shall reconnect them

CURB RAMP

Curb ramps shall be provided as shown on the plans and shall fully comply with ADA requirements as possible.

The unit price bid per each for Curb Ramps shall include only the extra labor and any other special materials (including pedestrian curb) required to form and finish the ramp. Installation shall result in drainage to existing structures and failure to achieve acceptable drainage will result in modification at the contractor's expense.

All costs of concrete, compaction, etc. will be paid under the unit prices for sidewalk.

REINFORCED PEDESTRIAN CURB CONCRETE WALL

Reinforced concrete walls shall be constructed in accordance with section 6-11 of the Standard Specifications. The cubic yard price shall include, but not be limited to excavation, bedding, backfill, concrete, and reinforcement.

PEDESTRIAN CURB

Cement concrete pedestrian curb shall be in accordance with 8-04 of the Standard Specifications and the plans. Pedestrian curb shall be installed as shown on the plans and details.

Pedestrian curb shall be included in other items of work such as curb ramps, sidewalk and driveway aprons and no separate payment shall be made.

RESET TRAFFIC SIGNS

Existing signs will be removed and reset with existing posts as shown and directed.

The price per each should include all work to remove, install and materials, including the foundations and posts. Replacement of existing signs and posts that are damaged will be furnished by the City.

ADJUST COVERS AND GRATES TO GRADE

Manhole covers, catch basin grates, clean outs, valve covers and meter boxes shall be adjusted to finished grade in accordance with 7-05 of the Standard Specifications. This item is only for existing covers, meter boxes and grates that will not be replaced during construction.

Payment will be made per each and includes all materials and work required to adjust each.

PAVEMENT MARKINGS

Pavement markings shall be in accordance with Section 8-22 of the Standard Specifications. The Contractor shall provide temporary markings as required during the phasing of the construction. The cost for any temporary markings shall be included in other items of work.

Crosswalk lines will be paid for as Painted Crosswalk Line, per linear foot at a 1' width.

Centerline lines will be paid for as Painted Line, per linear foot at a 4" width.

RELOCATE FENCE

Existing fences identified on the plans will be removed and reset with existing posts, rails and wire as shown and directed. Fences to be relocated are within the right of way and are of varying types.

The price per linear foot should include all work to remove and relocate, including the existing wire, rails and posts. Additional material needed, will be paid for in compliance with Section 1-09.6 (2) of the Standard Specifications.

SAWCUTTING

Where shown on the Plans or where directed in the field by the engineer, the Contractor shall make a neat vertical saw-cut at the boundaries of the area to be removed. Care shall be taken during sawcutting so as to prevent damage to the existing asphalt concrete, or concrete, to remain in place. Any pavement or concrete damaged by the contractor outside of the area scheduled for removal due to the Contractors operations or negligence shall be replaced and repaired by the Contractor at no additional cost to the City. All saw cuts shall be continuous and full depth at locations approved of by the engineer.

All costs associated with sawcutting shall be included in other items of work.

GEOTEXTILE

Geotextile fabric for stabilization shall be Mirafi 600X or equal.

The manufacturer's certificate of compliance shall include the following information about each geotextile roll to be used:

Manufacturer's name and current address
Full product name
Proposed geotextile uses(s)

If the manufacturer of the proposed geotextile(s) has not previously submitted a geotextile for initial source approval for the proposed use and obtained approval, a sample of each proposed geotextile shall be submitted to the Engineer.

The geotextile samples shall be cut from the geotextile roll with scissors, sharp knife, or other suitable method which produces a smooth geotextile edge and does not cause geotextile ripping or tearing. The samples shall not be taken from the outer wrap of the geotextile roll nor the inner wrap of the core.

Acceptance will be by manufacturer's certificate of compliance, submitted with a sample of each geotextile roll to be used:

The manufacturer's certificate of compliance shall include the following information about each geotextile roll to be used:

Manufacturer's name and current address
Full product name
Geotextile roll number
Proposed geotextile uses(s)
Certified test results

During periods of shipment and storage, the geotextile shall be kept dry at all times and shall be stored off the ground. Under no circumstances, either during shipment or storage, shall the material be exposed to sunlight, or other form of light which contains ultraviolet rays, for more than five calendar days.

The area to be covered by the geotextile shall be graded to a smooth, uniform condition free from ruts, potholes, and protruding objects such as rocks or sticks. The geotextile shall be spread immediately ahead of the covering operation. The geotextile shall not be left exposed to sunlight during installation for a total of more than five calendar days. The geotextile shall be laid smooth without excessive wrinkles. Under no circumstances shall the geotextile be dragged through mud or over sharp objects which could damage the geotextile. The cover material shall be placed on the geotextile in such a manner that a minimum of 6 inches of material, depending on the survivability of the geotextile, will be between the equipment tires or tracks and the geotextile at all times. Construction vehicles shall be limited in size and weight such that rutting in the initial lift above the geotextile is not greater than 3 inches deep, to prevent overstressing the geotextile. Turning of vehicles on the first lift above the geotextile will not be permitted. End-dumping the cover material directly on the geotextile will not be permitted. Compaction of the first lift above the geotextile shall be limited to routing of placement and spreading equipment only. No vibratory compaction will be allowed on the first lift.

Pegs, pins, or the manufacturer's recommended method shall be used as needed to hold the geotextile in place until the specified cover material is placed.

Should the geotextile be torn or punctured or the overlaps or sewn joints disturbed, as evidenced by visible geotextile damage, subgrade pumping, intrusion, or roadbed distortion, the backfill around the damaged or displaced area shall be removed and the damaged area repaired or replaced by the Contractor at no cost to the City. The repair shall consist of a patch of the same type of geotextile placed over the damaged area. The patch shall overlap the existing geotextile a minimum of 2 feet from the edge of any part of the damaged area.

The geotextile shall either be overlapped a minimum of 2 feet at all longitudinal and transverse joints, or the geotextile joints shall be sewn together.

Construction geotextile, for stabilization and landscape will be measured by the square yard for the ground surface area actually covered. The unit contract prices for Geotextile as included in the proposal shall be full pay to complete the work as specified.

CITY OF WHITE SALMON

NW GARFIELD AVE. RE-CONSTRUCTION 2023 STREET IMPROVEMENT PROJECT

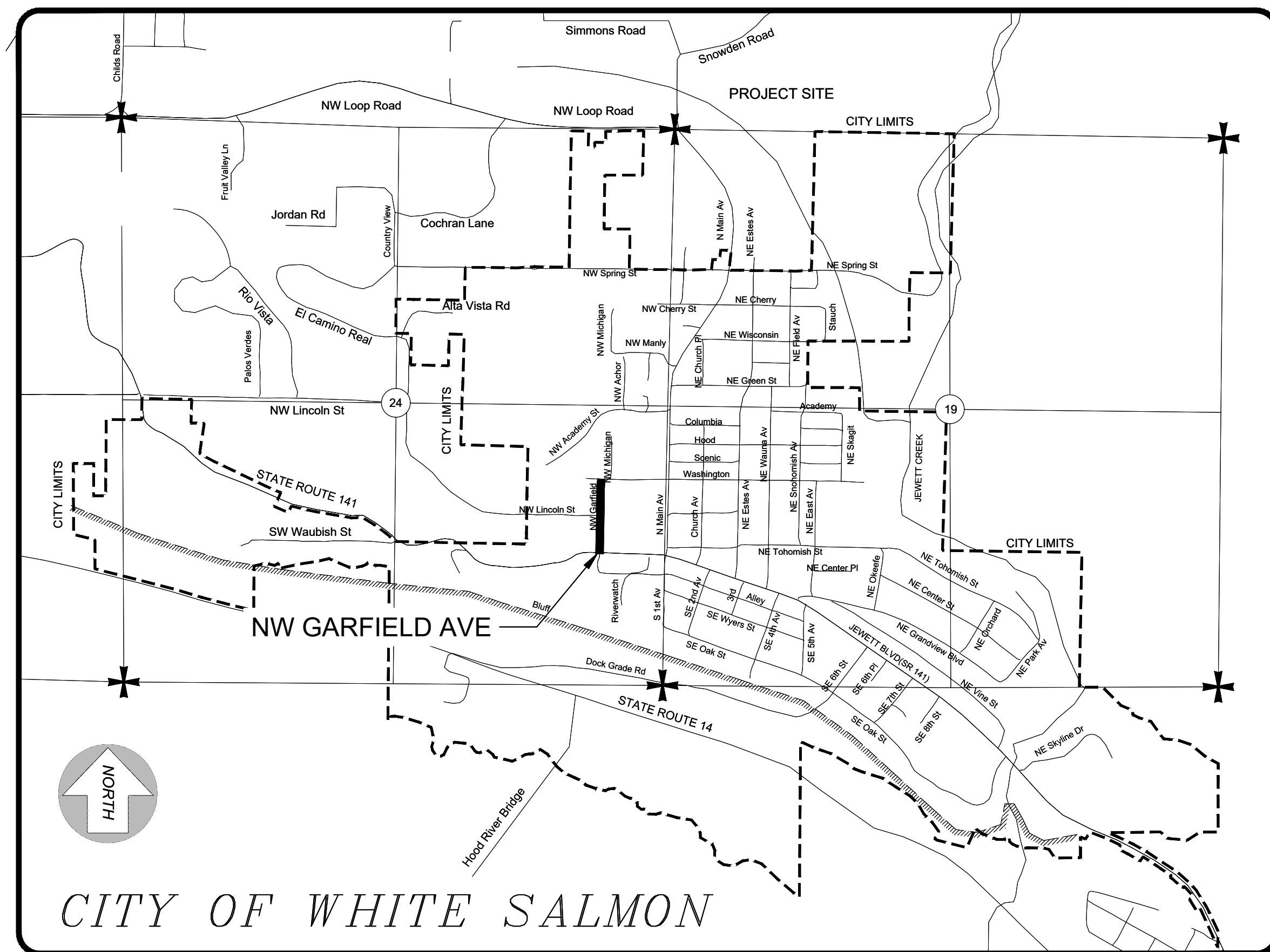
WHITE SALMON OFFICIALS

MAYOR:
COUNCIL:

CITY ADMINISTRATOR:

MARLA KEETHLER
PATTY FINK
DAVID LIINDLEY
JASON HARTMANN
JIM RANSIER
BEN GIANT
TROY RAYBURN

SECTION'S: 24, T 3 N, R 10 E,
19, T 3 N, R 11 E, WM CITY
OF WHITE SALMON KLICKITAT
COUNTY, WASHINGTON



VICINITY MAP
NOT TO SCALE

CALL BEFORE YOU DIG 1-800-424-5555

NEW		EXISTING
NEW 8" PVC WATER LINE	WATER LINE(NEW 2009)LINE)	8" PVC WATER LINE
NEW 8" PVC SEWER LINE	SEWER LINE	8" SEWER
NEW 12" STORM LINE	STORM DRAIN LINE	12" STORM
■	CATCH BASIN	□ C.B.
①	STORM MANHOLE	①
②	SEWER MANHOLE	②
⌂	WATER VALVE	⌂ or ⌂
WM	WATER METER	WM or WM
FH	FIRE HYDRANT	⊗ FH or ● FH
⊗	SURVEY MONUMENT	
⊗	MAILBOX CABINET	
□	MAILBOX	□
□	UTILITY POLE	□
⊙	UTILITY POLE W/STREET LIGHT	⊙
⊙	ELECTRICAL VAULT	⊙
P	TELEPHONE PEDESTAL	P
□	UNDERGROUND POWER	□
	UNDERGROUND TELEPHONE	UG POWER
	GAS	UG TELEPHONE
	FENCE LINE	GAS LINE
	ASPHALT	o
	SIDEWALK	
	ROUNDABOUT	

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SPECIFICATIONS

ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE
CURRENT EDITION OF THE WSDOT/APWA STANDARD
SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL
CONSTRUCTION AND THE CURRENT EDITION OF THE WSDOT
STANDARD PLANS.

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE FROM FIELD SURVEY INFORMATION & EXISTING DRAWINGS. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER, DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN EXACT LOCATION INDICATED, ALTHOUGH THEY HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

		Pioneer Surveying & Engineering, Inc. Civil/Structural Engineering and Land Planning		125 E. Simcoe Drive Goldendale, Washington 98620 Phone (509) 773-4945, Fax (509) 773-5886, E-Mail pse@gorge.net	
		1-18-2023			
GARFIELD AVENUE		WHITE SALMON, WA		COVER	
Revisions		Date		No.	
FINAL SUBMITTED FOR REVIEW		2-13-2023 3-25-2021		3.0 2.0	
FINAL SUBMITTED FOR REVIEW		12-8-2020		1.0	
SHEET NO.					
0.0					
SCALE: AS NOTED					
JOB NO.			REV.		
20-702					

GENERAL NOTES:

1. THE CONTRACTOR SHALL PROCURE AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY. THE CONTRACTOR SHALL PAY FOR ALL PROJECT PERMIT COSTS.
2. ALL MATERIALS AND WORKMANSHIP FOR FACILITIES IN STREET RIGHT OF WAY OR EASEMENTS SHALL CONFORM TO THE APPROVING AGENCY'S CONSTRUCTION SPECIFICATION WHEREIN EACH HAS JURISDICTION INCLUDING, BUT NOT LIMITED TO THE CITY OF WHITE SALMON, KLIKITAT COUNTY ROAD DEPARTMENT, WASHINGTON DEPARTMENT OF HEALTH(DOH), WASHINGTON DEPARTMENT OF ECOLOGY (DOE), AND THE WASHINGTON DEPARTMENT OF TRANSPORTATION (WSDOT).
3. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
4. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 48 BUSINESS HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION AND COMPLY WITH ALL OTHER REQUIREMENTS OF THE SERVING UTILITIES.
5. ANY INSPECTION BY THE CITY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES AND AGENCY REQUIREMENTS.
6. THE CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY REQUIREMENTS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH WASHINGTON AMENDMENTS. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY.

EXISTING UTILITIES AND FACILITIES:

1. THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWING ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER, THE CITY OF WHITE SALMON AND UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF SUCH RECORDS. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AT NO EXPENSE TO THE CITY OF WHITE SALMON.
2. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE OR ALIGNMENT MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE OR ALIGNMENT MODIFICATIONS ARE NECESSARY THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY PRIOR TO CONSTRUCTION. ALL UTILITY CROSSINGS SHALL BE POTHOLED AS NECESSARY PRIOR TO EXCAVATING OR BORING TO ALLOW THE CONTRACTOR TO PREVENT GRADE OR ALIGNMENT CONFLICTS.
3. ALL FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR IS TO LEAVE EXISTING UTILITIES IN AN EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY.
4. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE TO BE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE EXPOSED ENDS OF ALL ABANDONED UTILITIES WITH A MANUFACTURED PLUG OR CONCRETE.
5. THE CONTRACTOR SHALL REMOVE ALL SIGNS, MAILBOXES, FENCES, LANDSCAPING, ETC. AS REQUIRED TO AVOID DAMAGE DURING CONSTRUCTION AND REPLACE THEM TO EXISTING OR BETTER CONDITION.
6. IF ANY SEPTIC TANKS ARE ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE CITY UPON DISCOVERY OF TANKS, OBTAIN CONCURRENCE FROM THE CITY PRIOR TO PROCEEDING WITH THE WORK. REALIGNMENT OR CASING MAY BE REQUIRED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE THAT PUBLIC STREETS AND RIGHT OF WAYS ARE KEPT CLEAN OF MUD, DUST OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR. STREETS SHALL BE SWEEPED BY THE CONTRACTOR AS NECESSARY TO KEEP CLEAN.
8. ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENTS, GAS VALVES, WATER VALVES, METER BOXES, AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADES OF THE PAVEMENT, SIDEWALK, LANDSCAPE AREA OR MEDIAN STRIP WHEREIN THEY LIE. VERIFY THAT ALL VALVE BOXES AND RISERS ARE CLEAN AND CENTERED OVER THE OPERATION NUT. ADJUSTMENT AFTER PLACEMENT OF THE FINAL ASPHALT COURSE WILL NOT BE ALLOWED.

UNLOCATED OR MISLOCATED UTILITIES:

1. ANY COST INCURRED BY THE CONTRACTOR DUE TO UNLOCATED OR MISLOCATED UTILITIES, INCLUDING BUT NOT LIMITED TO CITY WATERLINES (MAINS AND SERVICES), CITY SEWER LINES (MAINS AND SIDE SEWERS), CITY STORM DRAINS, ELECTRICAL LINES, GAS LINES, TELEPHONE LINES, AND CABLE TELEVISION LINES SHALL NOT BE THE RESPONSIBILITY OF THE CITY AND NO PAYMENT FROM THE CITY SHALL BE FORTHCOMING FOR ANY WORK RELATED TO THESE UNLOCATED OR MISLOCATED UTILITIES. THE CONTRACTOR SHALL INCLUDE ANY COST ASSOCIATED WITH THIS ITEM IN OTHER ITEMS OF WORK.

FLEXIBLE PAVEMENT PATCH SECTION
TRENCH TYPE A NOTES:

1. ASPHALT CONCRETE OR CONCRETE SHALL BE CUT WITH AN ASPHALT OR CONCRETE CUTTING SAW.
2. NO MATERIAL SHALL BE PLACED ON THE DRIVING SURFACE DURING EXCAVATION OR DURING THE BACKFILL PROCESS. USE EITHER THE BACKSIDE OF THE DITCH OR DIRECT FILL INTO OR FROM A DUMP TRUCK. ANY MUD OR DEBRIS TRACKED OR DROPPED ONTO THE ROADWAY SURFACE SHALL BE BROOMED OR WASHED OFF DAILY.
3. REMOVE ALL ASPHALT FROM JOB SITE, NONE SHALL BE ALLOWED AS BACKFILL. ALL ASPHALT PRODUCTS SHALL BE DISPOSED OF USING REGULATED REQUIREMENTS.
4. REPLACE MATERIALS IN 6" LIFTS, USING AN APPROVED COMPACTOR ON EACH LIFT. RUBBER TIRE ROLLING OR A BACKHOE BUCKET WILL NOT BE SUITABLE. SOME APPLICATIONS WILL REQUIRE CONTROLLED DENSITY FILL.
5. NO UTILITY CUTS SHALL BE LEFT OPEN OVERNIGHT WITHOUT BARRICADES AND OPERATIONAL LIGHTS ATTACHED. NO OPEN DITCHES ALLOWED OVERNIGHT IN THE TRAVELED WAY. ANCHORED STEEL PLATES WILL BE AUTHORIZED FOR PERIODS OF LESS THAN 24 HOURS.
6. MAINTENANCE BETWEEN COMPLETION OF BACKFILL AND SURFACING SHALL BE MONITORED AND REPAIRED AS NEEDED TO KEEP THE TRAVELED WAY IN AS SAFE OF CONDITION AS POSSIBLE. ANY COST ASSOCIATED WITH THIS ITEM SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
7. ALL LOOSE MATERIAL SHALL BE BROOMED OR WASHED OFF THE ROADWAY SURFACE PRIOR TO PATCHING. ALL OVERSIZED MATERIAL (OVER 3") THAT WAS EXPOSED DURING EXCAVATION, SHALL BE REMOVED FROM THE JOB SITE UPON COMPLETION.
8. PAVING PREP SHALL INCLUDE: CRUSHED ROCK FLOOR SHALL BE UNIFORM IN DEPTH TO ENSURE EVEN COMPACTION OF ASPHALT BEING PLACED. ASPHALT EDGES SHALL BE SAW CUT BACK FROM THE ORIGINAL "WORKING" CUT, (6" MINIMUM, EACH SIDE), CLEANED AND AN APPROVED TACK COAT APPLIED, PRIOR TO PLACING THE NEW ASPHALT CONCRETE PAVEMENT. ALL SECTIONS 3" THICK OR LESS MAY BE COMPACTED IN ONE LIFT. SECTIONS OVER 3" THICK SHALL BE COMPACTED IN 2" THICK MINIMUM LIFTS.
9. ALL ASPHALT PATCHES AND JOINTS SHALL BE FOG SEALED WITH AN APPROVED ASPHALT EMULSION AFTER PATCH HAS BEEN COMPLETED.
10. ALL GRANULAR MATERIAL TO BE COMPACTED TO 95% MAX. DENSITY. ALL AC TO BE COMPACTED TO REQUIREMENTS OF STANDARD SPECIFICATIONS.
11. FINAL PAVING SHALL ONLY BE ALLOWED IF THE TEMPERATURE AND WETNESS RESTRICTIONS DEFINED IN SECTION 5-04.3(1) OF THE WSDOT STANDARD SPECIFICATIONS MAY BE MET.
12. THE MAXIMUM PAY WIDTH FOR HMA SURFACING SHALL BE 3.00' EACH SIDE OF THE PIPE CENTERLINE EXCEPT FOR AREAS SHOWN ON SHEETS 19 AND 31.

CONCRETE SIDEWALK & DRIVEWAYS SECTION
TRENCH TYPE B NOTES:

1. NO EXCAVATED MATERIAL SHALL BE PLACED ON THE ROADWAY SURFACE. USE EITHER THE BACKSIDE OF THE DITCH OR DIRECT FILL INTO OR FROM A DUMP TRUCK. ANY MUD OR DEBRIS TRACKED OR DROPPED ON THE ROADWAY SURFACE SHALL BE REMOVED, BROOMED, OR WASHED OFF DAILY.
2. NO DITCH SHALL BE LEFT OPEN OVERNIGHT WITHOUT BARRICADES AND OPERATIONAL FLASHING LIGHTS ATTACHED. NO OPEN DITCH ALLOWED OVERNIGHT IN THE TRAVELED WAY. STEEL PLATES WILL BE AUTHORIZED AND MUST BE SECURED OVER THE DITCH SO THAT SHOVED AND SLIDING CANNOT TAKE PLACE. COLD MIX OR EQUIVALENT WILL BE REQUIRED AROUND ALL EDGES OF THE PLATES.
3. REPLACE MATERIALS IN 6" LIFTS, USING A RAMMER-TYPE COMPACTOR ON EACH LIFT. A BACKHOE AND/OR BUCKET WILL NOT BE SUITABLE.
4. COMPACTION REQUIREMENTS ARE TO 95% DENSITY.
5. MAINTENANCE WILL BE REQUIRED AT CONTRACTORS EXPENSE TO MAINTAIN A SMOOTH DRIVING SURFACE THROUGHOUT THE PROJECT.
6. IF EDGES ARE BROKEN, SAW CUT BACK 6". ASPHALT EDGES SHALL BE SAW CUT BACK FROM THE ORIGINAL "WORKING" CUT, (6" MINIMUM, EACH SIDE), CLEANED AND AN APPROVED TACK COAT APPLIED, PRIOR TO PLACING THE NEW ASPHALT CONCRETE PAVEMENT.

GRASS SECTION
TRENCH TYPE C NOTES:

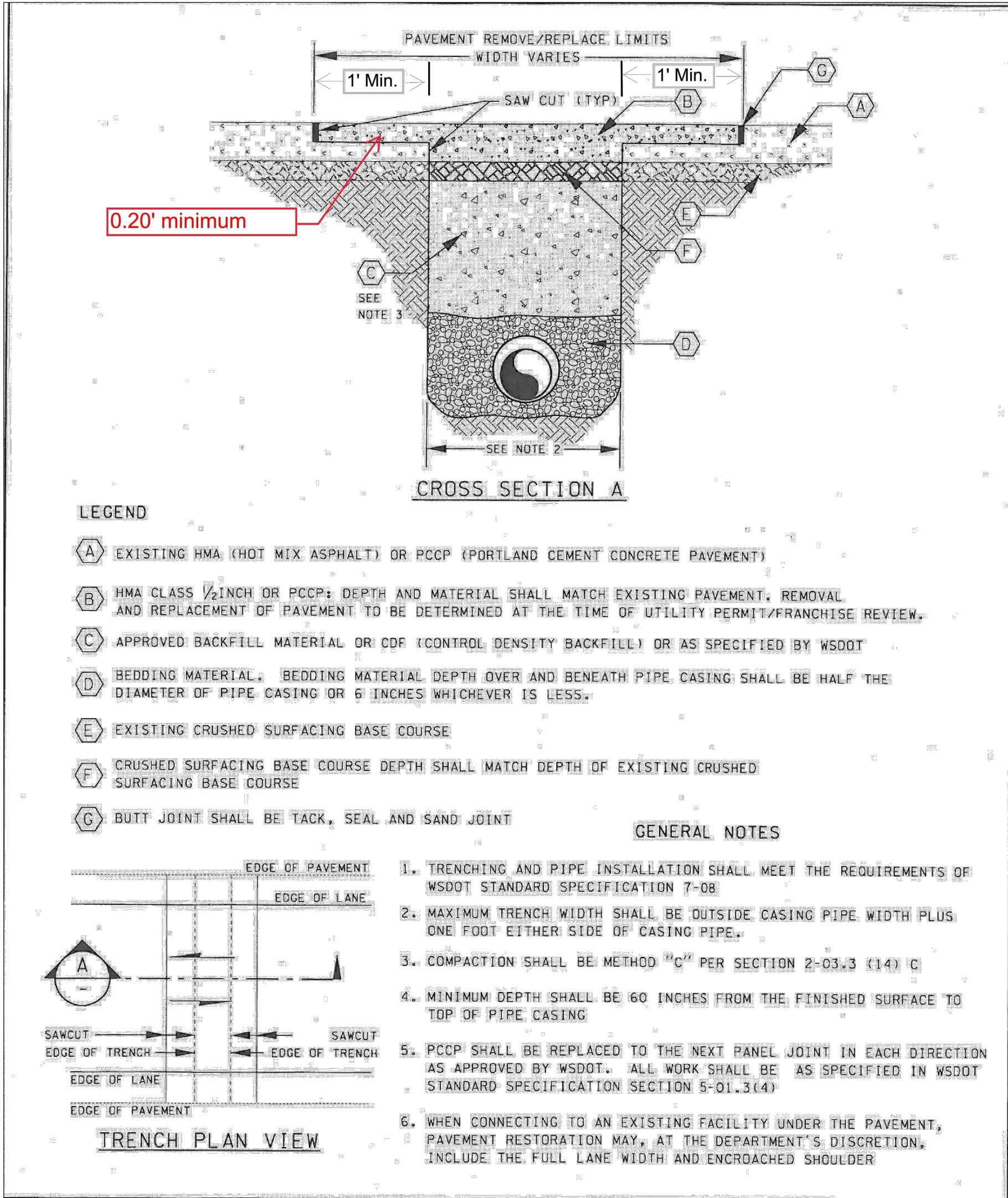
1. THIS STANDARD APPLIES TO ALL AREAS WITH EXISTING GRASS OR NATIVE SURFACING.
2. COMPACTION REQUIREMENTS ARE TO 95% DENSITY.
3. CONTRACTOR SHALL WATER AND OTHERWISE MAINTAIN THE GRASS TO ENSURE IT'S SURVIVAL.
4. CONTRACTOR SHALL MAINTAIN GRASS SURFACING AND RE-SEED AS NECESSARY THROUGH END OF CONSTRUCTION.
5. CONTRACTOR SHALL REMOVE AND REPLACE SOD ON ALL MAINTAINED LAWNS.

GENERAL TRENCHING NOTES:

1. NEW SEWER LINES SHALL HAVE A 36" MINIMUM COVER. IN AREAS OF ROCK OR PIPE CONFLICTS, COVER MAY BE REDUCED TO 30" WITH PRIOR APPROVAL FROM ENGINEER, IF NOT UNDER THE ROADWAY.
2. WIDTH FOR SERVICE LINES MAY BE REDUCED TO 12".
3. SERVICE LINE TRENCHES ARE TO BE BACKFILLED WITHIN 7 DAYS FROM THE TIME OF EXCAVATION.
4. THE CONTRACTOR HAS THE OPTION OF USING CDF IN LIEU OF COMPACTING CRUSHED SURFACING BACKFILL TO 95%. AT CONTRACTOR'S EXPENSE
5. FOR MULTIPLE PIPES IN COMMON TRENCH, PLACE PIPE WITH A MINIMUM CLEARANCE OF 6" BETWEEN PIPES. COMPACT THOROUGHLY BETWEEN PIPES.
6. CRUSHED ROCK SHALL CONFORM TO THE LATEST WSDOT STANDARD SPECIFICATIONS AND SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-99 TEST METHOD (STANDARD PROCTOR). WRITTEN COMPACTION TEST RESULTS FROM AN INDEPENDENT TESTING LABORATORY MUST BE RECEIVED PRIOR TO PLACING ASPHALT PAVEMENT.

SPECIFICATIONS FOR WASTEWATER PIPING SYSTEM:

1. GENERAL
CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE CURRENT EDITION OF THE WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, THE WSDOT STANDARD PLANS AND THESE PLANS AND SPECIFICATIONS.
2. PIPE INSTALLATION
THE GENERAL REQUIREMENTS FOR INSTALLATION OF SANITARY SEWERS SHALL CONFORM TO THE STANDARD SPECIFICATIONS AS MODIFIED HEREIN. TRENCH EXCAVATION SHALL BE UNCLASSIFIED, INCLUDING BOTH COMMON AND ROCK EXCAVATION. ROCK EXCAVATION IS EXPECTED ON THIS PROJECT. THE BIDDER SHALL INVESTIGATE THE SITE THOROUGHLY PRIOR TO BIDDING. BEDDING MATERIAL SHALL CONFORM TO SECTION 9-03.12(3), GRAVEL BACKFILL FOR PIPE ZONE BEDDING EXCEPT THAT THE MAXIMUM SIZE MATERIAL SHALL BE 3/4".
3. SANITARY SEWERS
CONSTRUCTION OF SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. PVC SANITARY SEWER PIPE SHALL CONFORM TO ASTM D3034, SDR35. SIDE SEWERS SHALL BE IN ACCORDANCE WITH SECTION 7-18. EXISTING SANITARY SEWERS ARE CURRENTLY AND CONTINUOUSLY CARRYING RAW SEWAGE. THESE FLOWS SHALL BE INTERRUPTED ONLY AS REQUIRED DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, AND THE CITIES OF WHITE SALMON TWO DAYS PRIOR TO BEGINNING CONSTRUCTION OF ANY REPLACEMENT SEWER SECTION. OVERFLOWING OF UNTREATED OR PARTIALLY TREATED SEWAGE TO SURFACE WATERS OR DRAINAGE COURSES IS PROHIBITED DURING CONSTRUCTION. IN THE EVENT ACCIDENTAL BYPASSING IS CAUSED BY THE CONTRACTOR'S OPERATIONS, THE OWNER SHALL IMMEDIATELY BE ENTITLED TO EMPLOY OTHERS TO STOP THE BYPASSING. COSTS IMPOSED ON OR INCURRED BY THE OWNER AS A RESULT OF ANY OVERFLOW CAUSED BY THE ACTIONS OF THE CONTRACTOR, HIS EMPLOYEES OR SUBCONTRACTORS SHALL BE BORNE IN FULL BY THE CONTRACTOR, INCLUDING LEGAL FEES AND OTHER EXPENSES, RESULTING DIRECTLY OR INDIRECTLY FROM THE OVERFLOW. THE PRICE PER LINEAR FOOT FOR SEWER PIPE AND SIDE SEWER SHALL INCLUDE TRENCH EXCAVATION, BEDDING, BACKFILL, TESTING AS WELL AS THOSE ITEMS LISTED IN THE STANDARD SPECIFICATIONS.



1 TRENCHING DETAILS
(NOT TO SCALE)

Pioneer Surveying & Engineering, Inc.

PSE



GARFIELD AVENUE

WHITE SALMON, WA

NOTES

Revisions

Date

No.

2-15-2023

3-25-2021

12-5-2020

FINAL

SUBMITTED FOR REVIEW

SUBMITTED FOR REVIEW

SHEET NO.

1.0

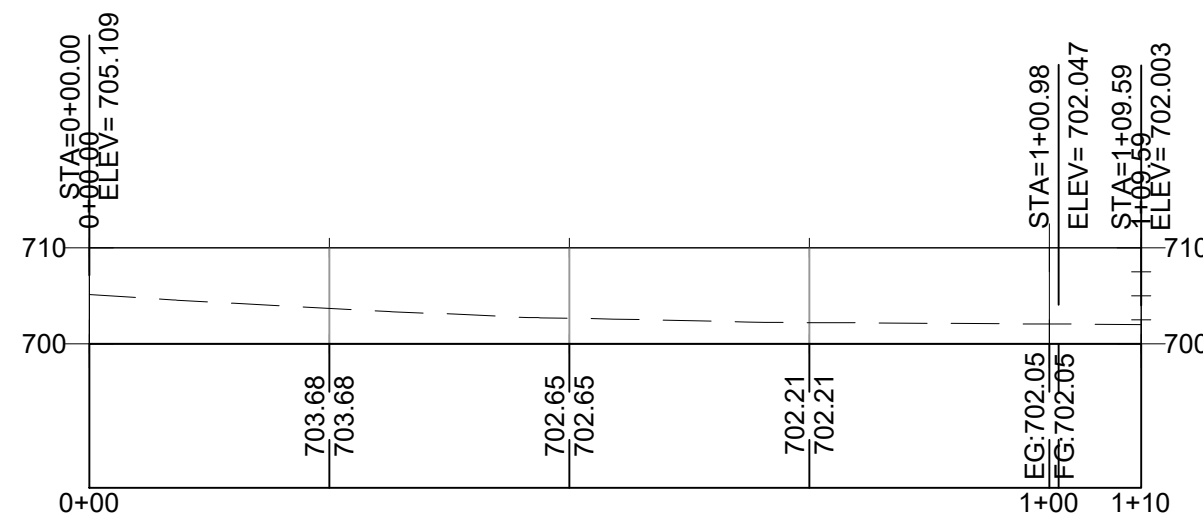
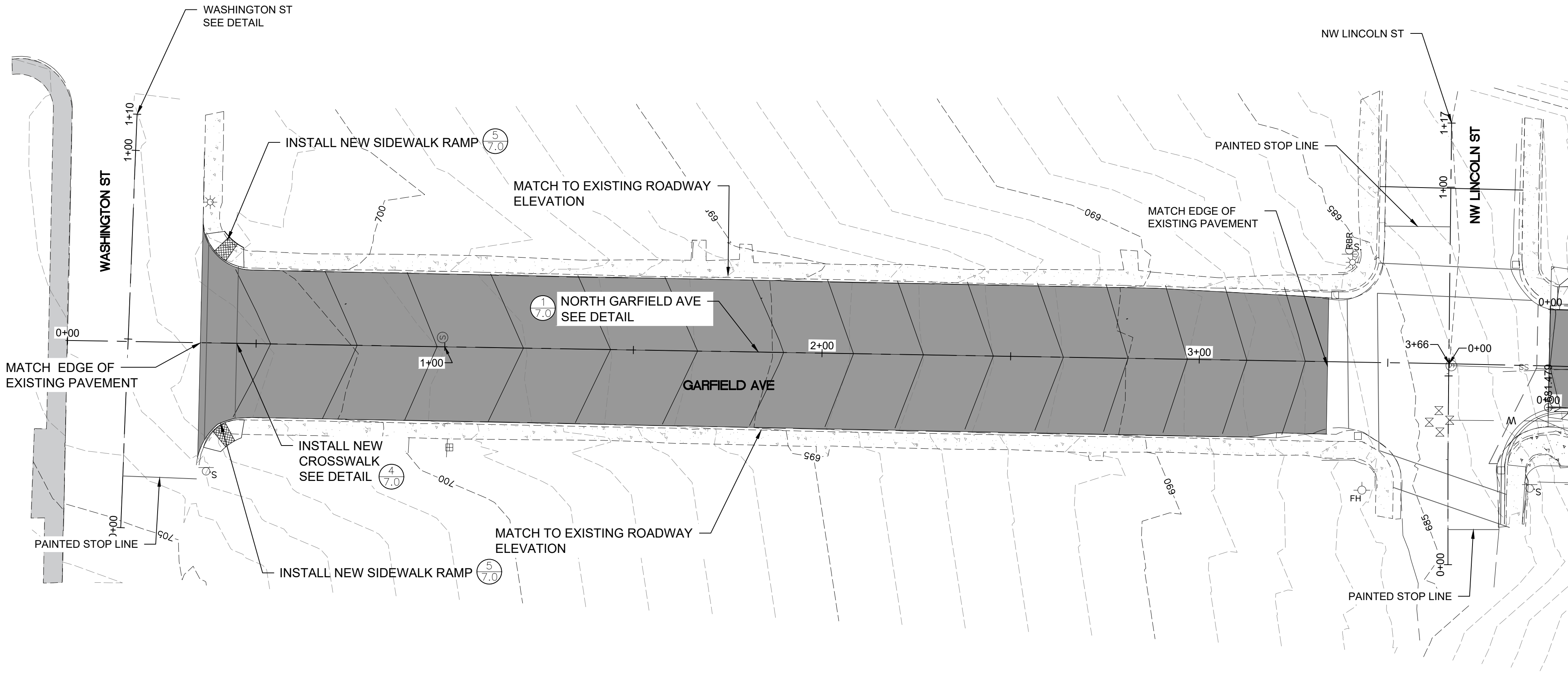
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JOB NO.

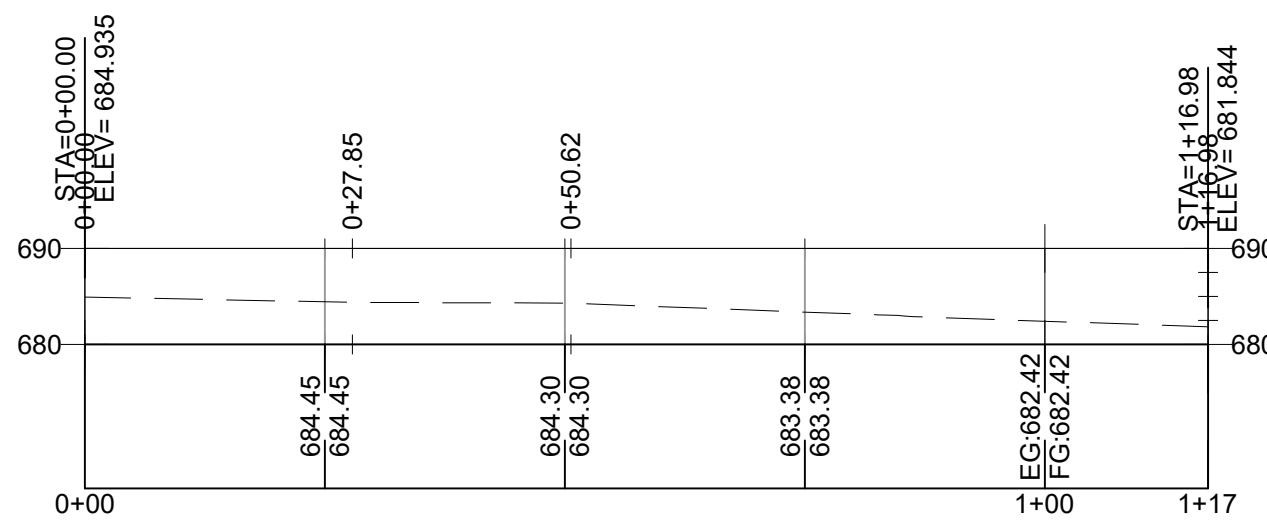
REV.

20-702

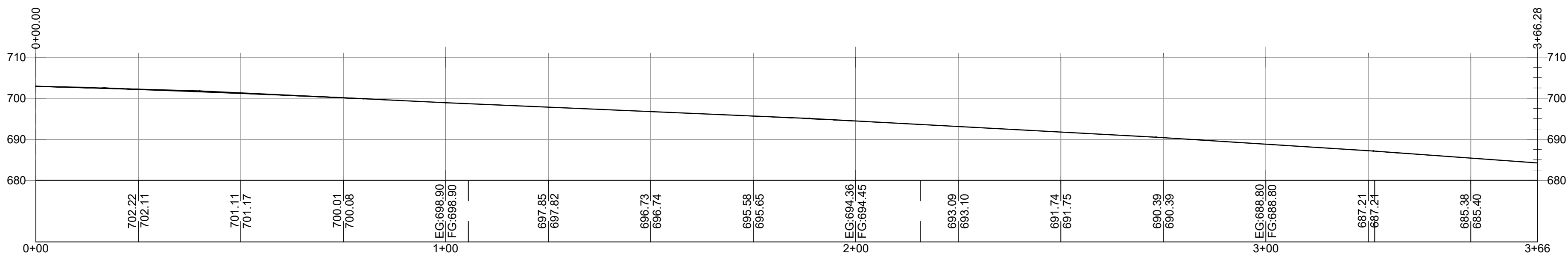
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1 WASHINGTON ST CL
SCALE: 1"=20' 0+00- 1+10

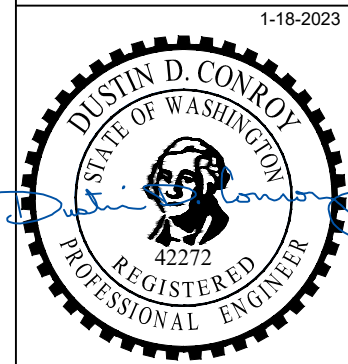


3 LINCOLN ST CL
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2 GARFIELD AVENUE CL (LINCOLN TO WASHINGTON)
SCALE: 1"=20' 0+00- 3+66

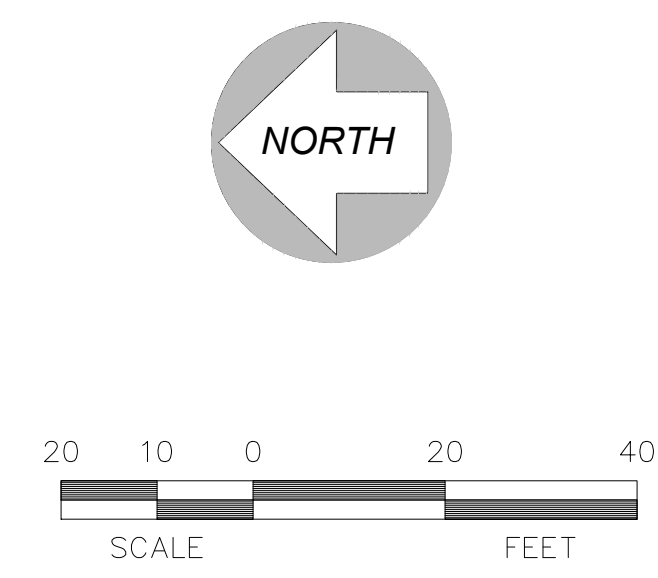
Pioneer Surveying & Engineering, Inc.
Civil/Structural Engineering and Land Planning
125 E. Simcoe Drive
Goldendale, Washington 98620
Phone (509) 773-4945, Fax (509) 773-5888, E-Mail pse@gorge.net,
PSE

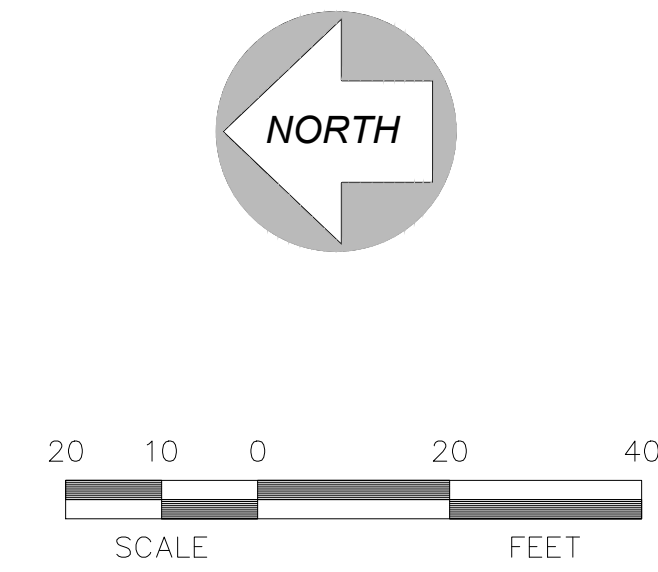


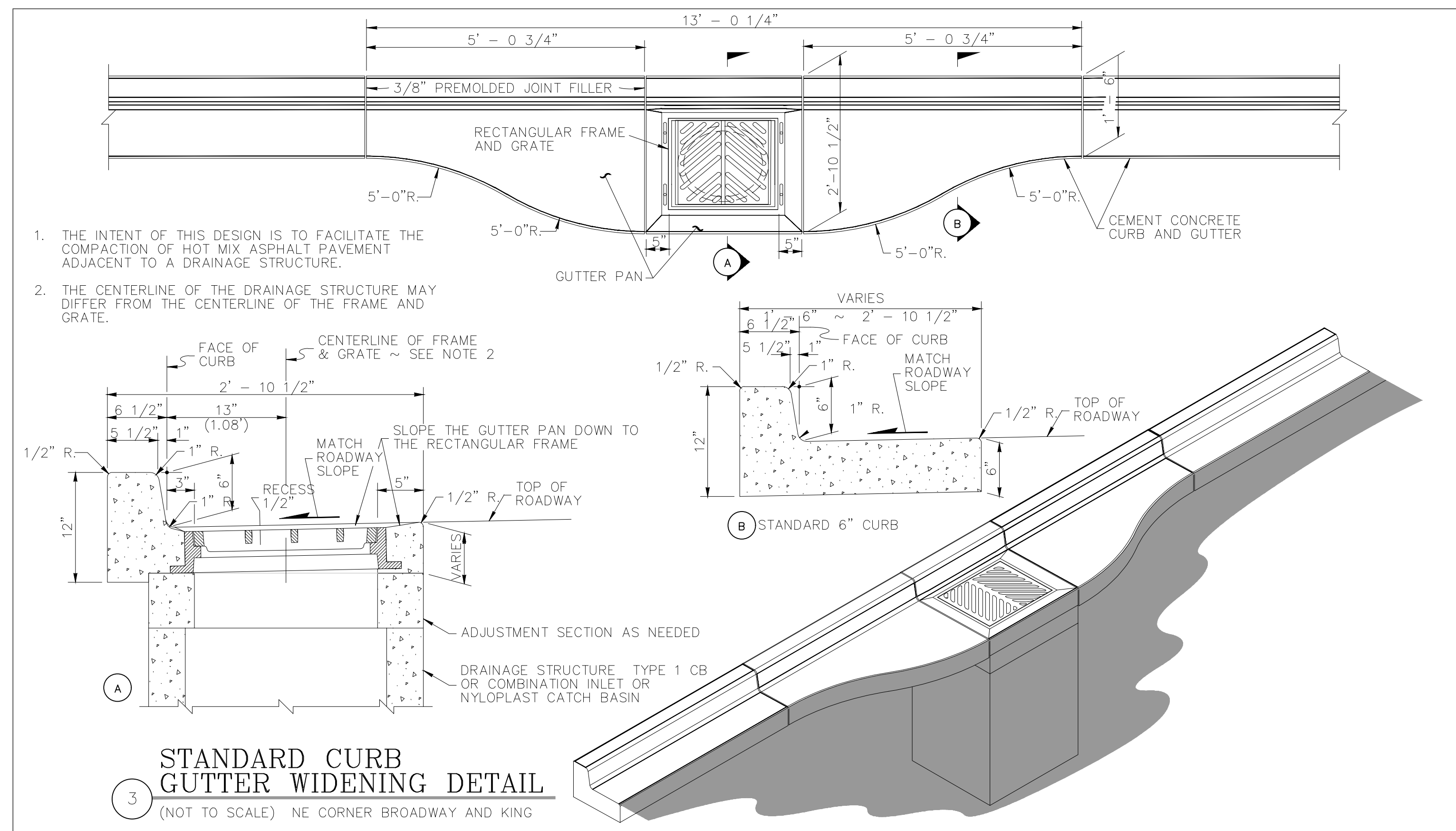
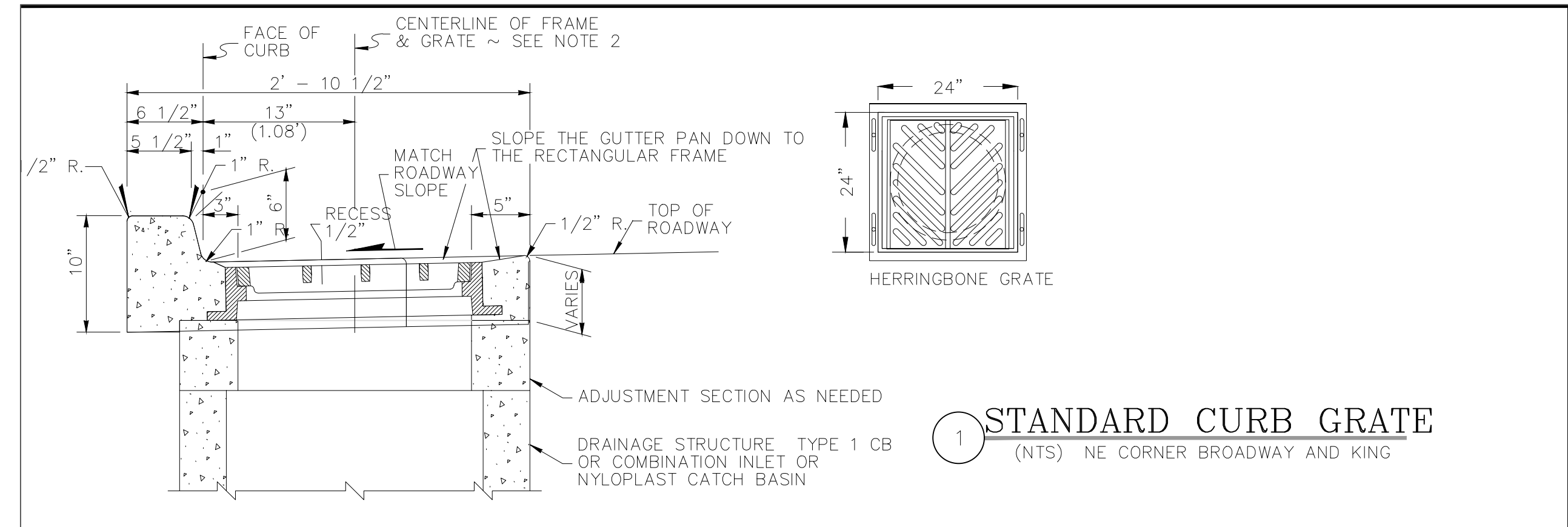
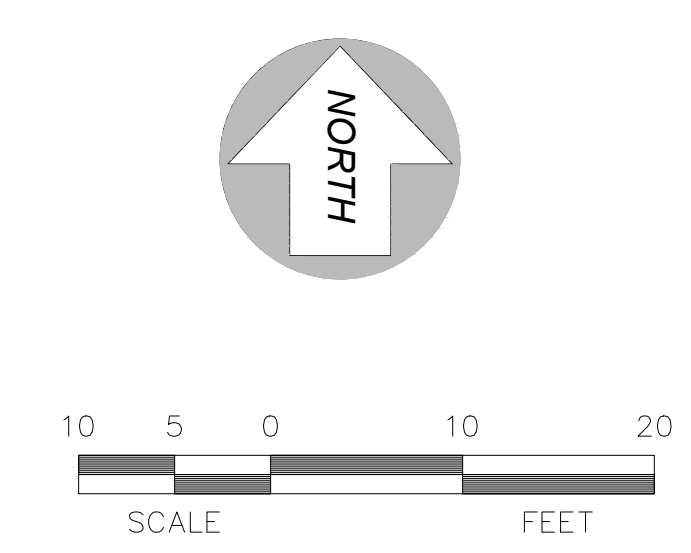
GARFIELD AVENUE
WHITE SALMON, WA
GARFIELD AVE(WASHINGTON TO LINCOLN)

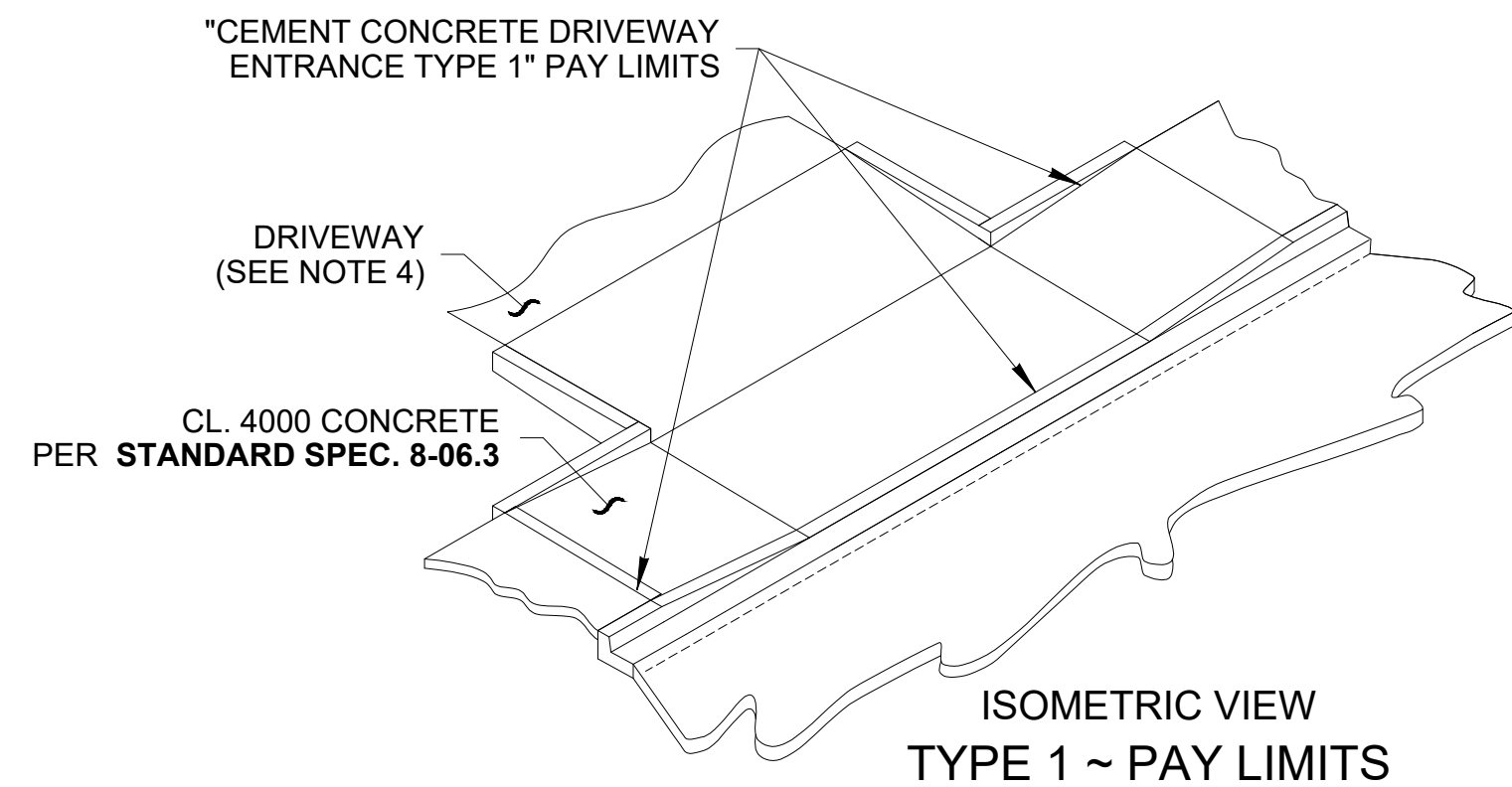
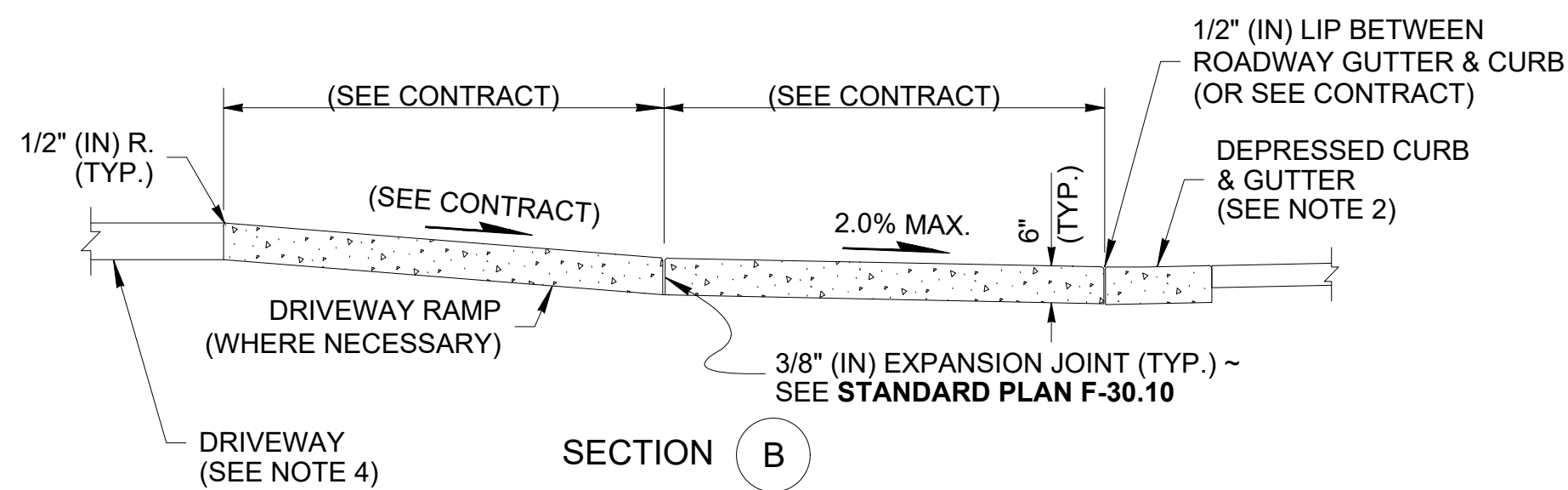
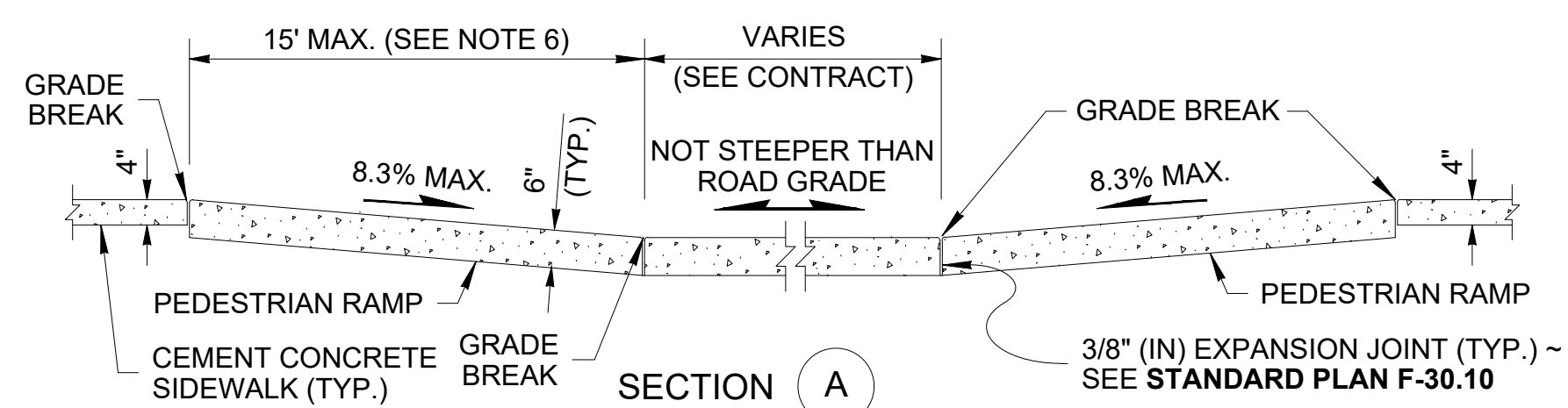
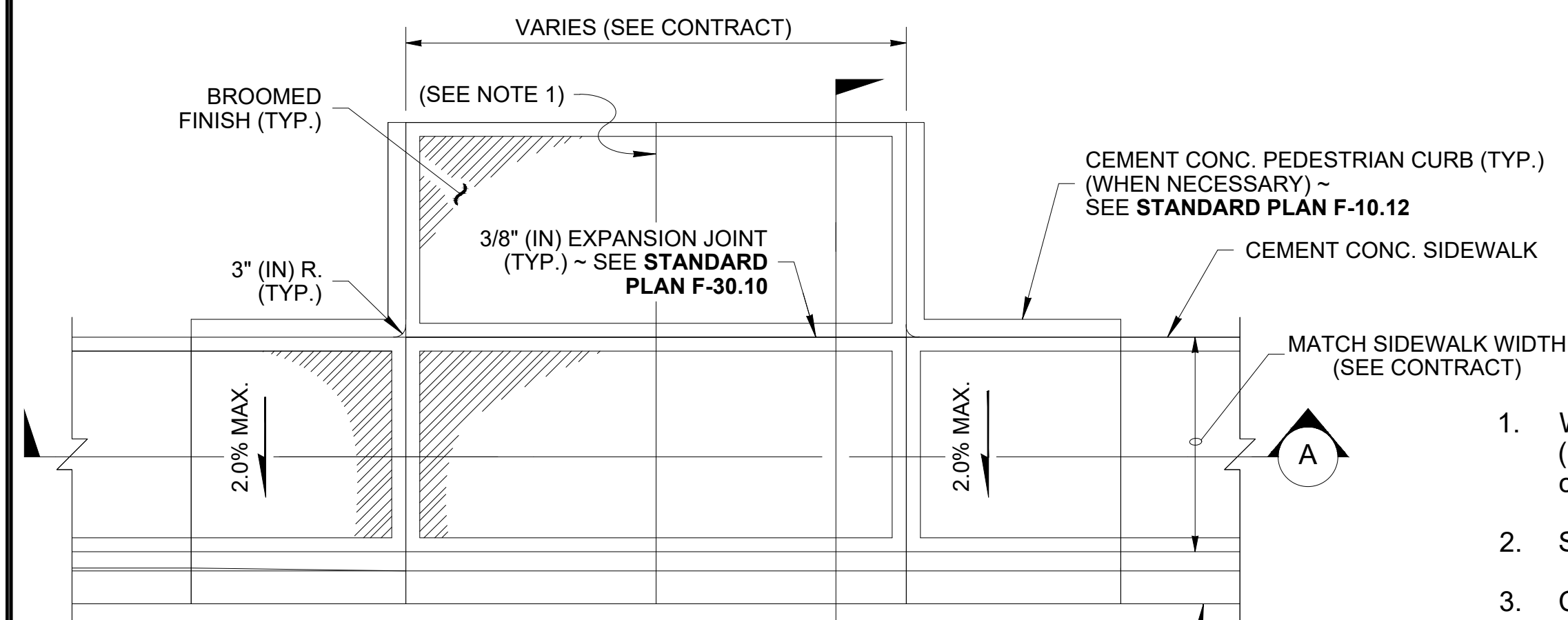
Revisions	
No	Date
3.0	2-13-2023
2.0	3-25-2021
1.0	7-29-2020
FINAL SUBMITTED FOR REVIEW SUBMITTED FOR REVIEW	

SHEET NO.
2.0
SCALE: AS NOTED
JOB NO. **20-702** REV. **0**

225

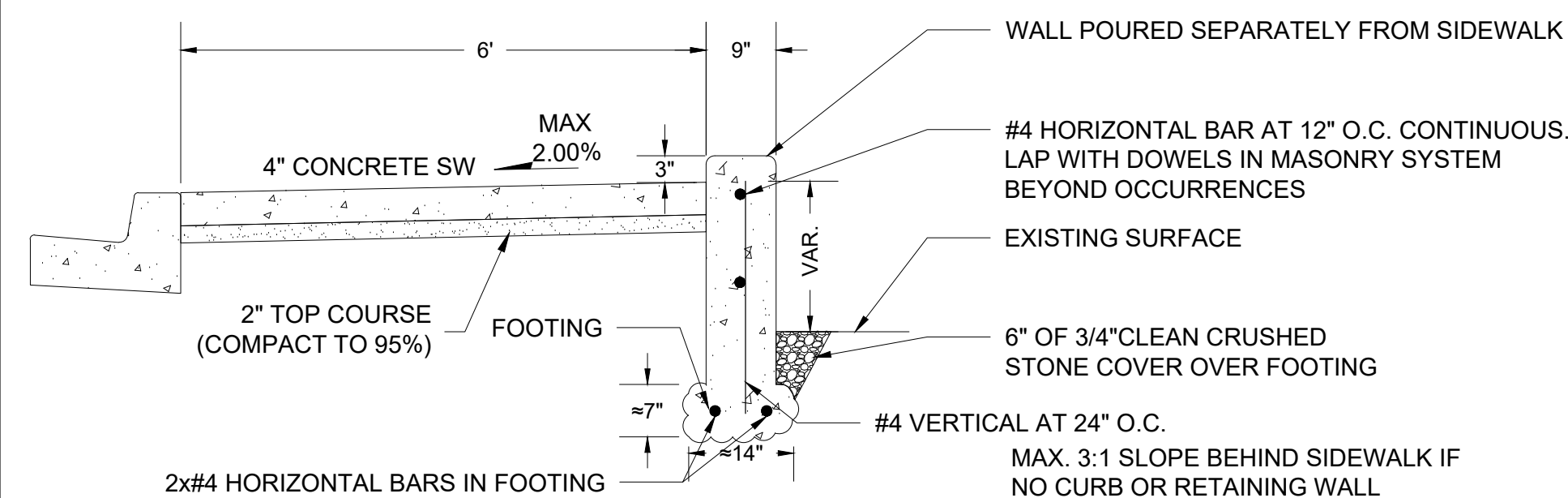
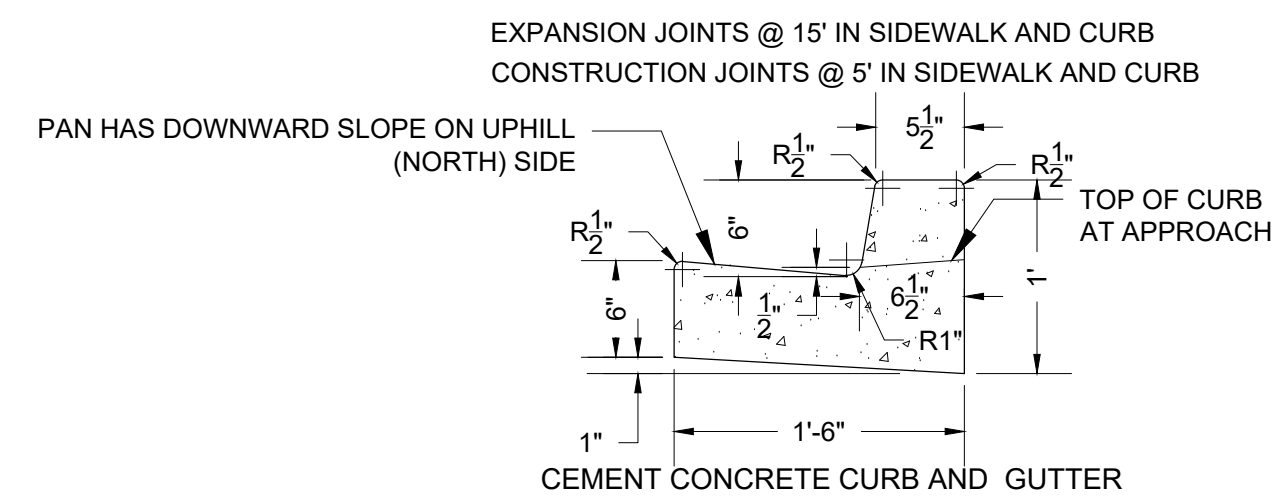
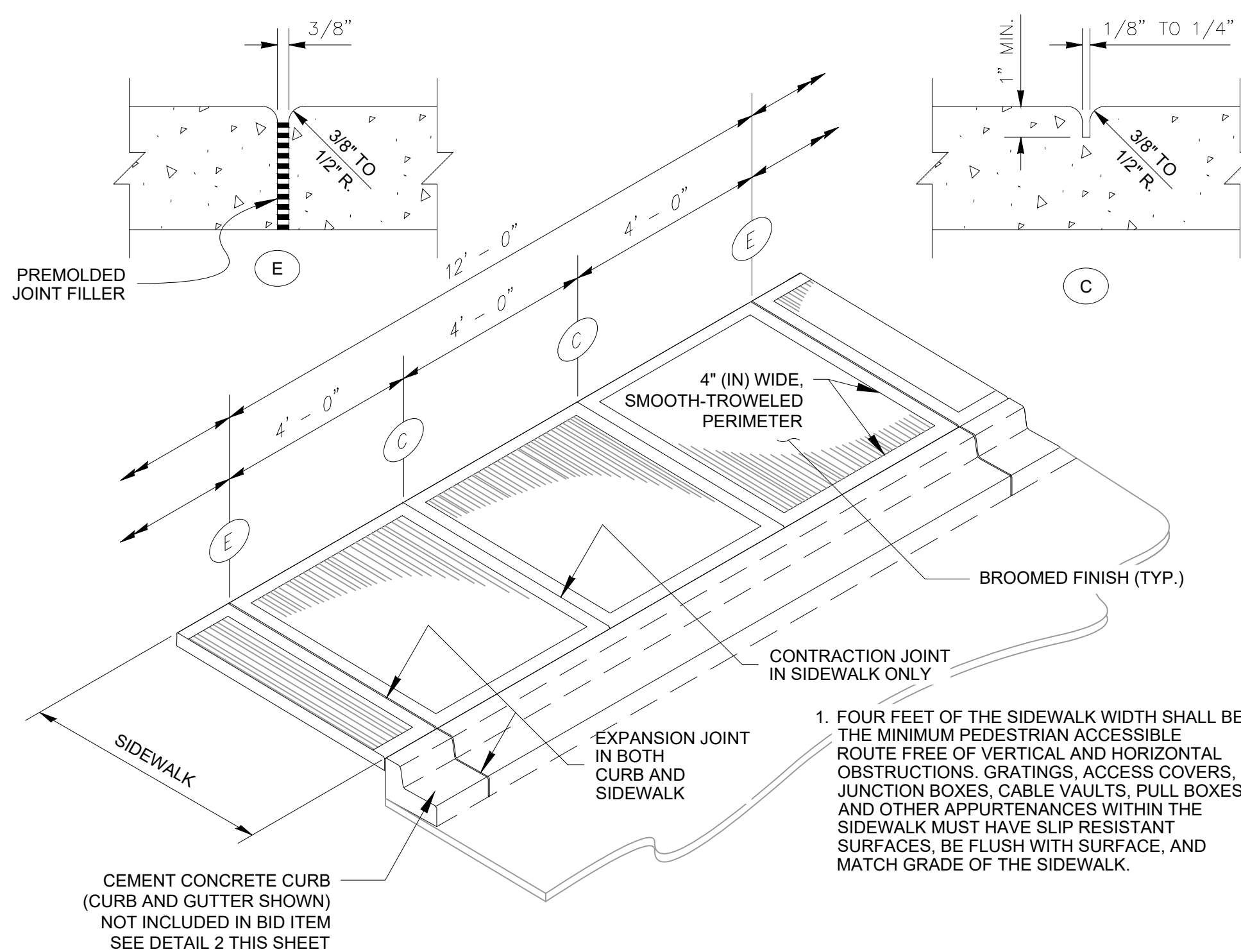
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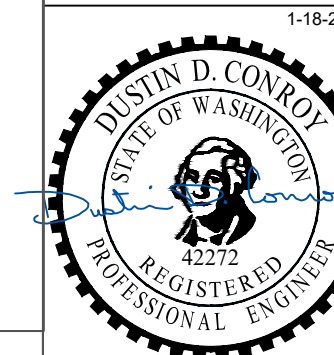


1 CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1
(NOT TO SCALE)

- LEGEND
- NOTES
- When the driveway width exceeds 15' (ft), construct a full depth expansion joint with 3/8" (in) joint filler along the driveway centerline. Construct expansion joints parallel with the centerline as required at 15' (ft) maximum spacing when driveway widths exceed 30' (ft).
 - See detail 3/6 for sidewalk details.
 - Curb and gutter shown; see detail 2/6 for the curb design.
 - Avoid placing drainage structures, junction boxes or other obstructions in front of driveway entrances.
 - Where "GRADE BREAK" is called out, the entire length of the line between the two adjacent surface planes shall be flush.
 - The curb ramp maximum running slope shall not require the ramp length to exceed 15' (ft) to avoid chasing the slope indefinitely when connecting to steep grades. When applying the 15' (ft) max. length, the running slope of the curb ramp shall be as flat as feasible.
 - Beyond limits shown. Pay item does not include driveway. See Contract Plans.



4 SIDEWALK AND PEDESTRIAN CURB WALL
(NOT TO SCALE)
LINCOLN ST CL STA 0 + 10.76 - 0 + 21.56



GARFIELD AVENUE

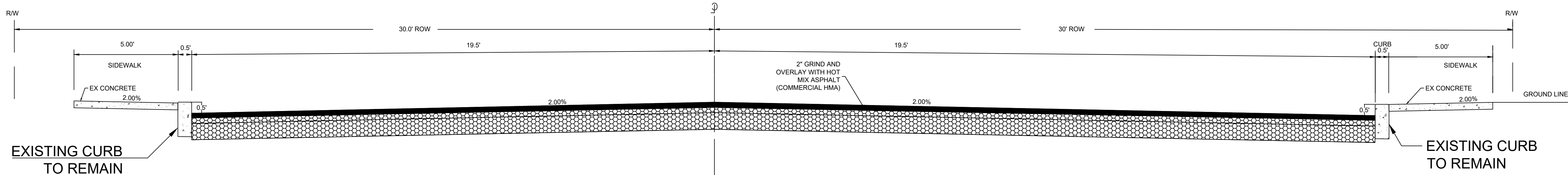
WHITE SALMON, WA

CONSTRUCTION DETAILS

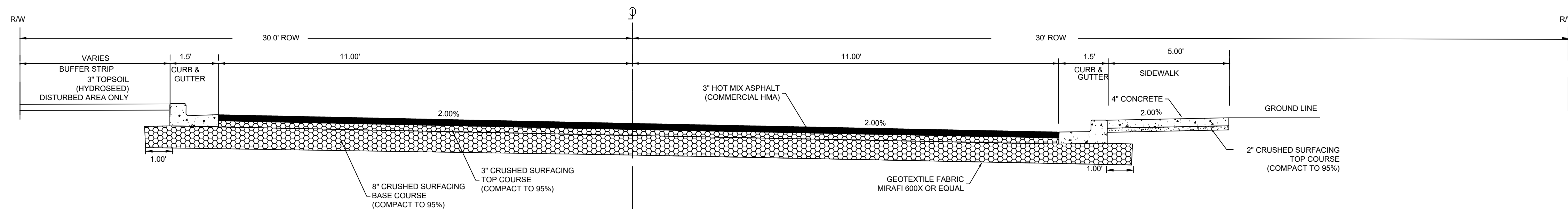
No.	Date	Revisions
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2.0	3-25-2021	SUBMITTED FOR REVIEW
1.0	7-29-2020	SUBMITTED FOR REVIEW

6.0

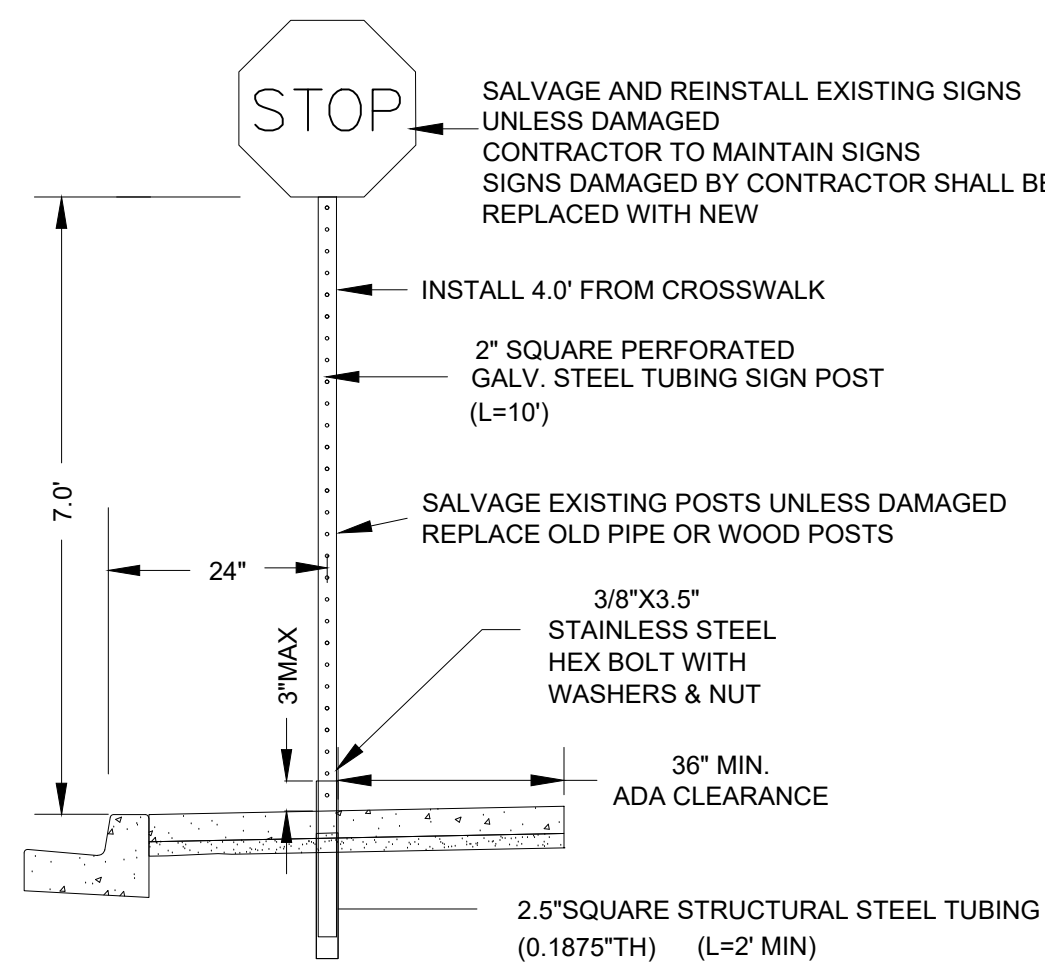
SCALE: AS NOTED
JOB NO. 20-702
REV. 0



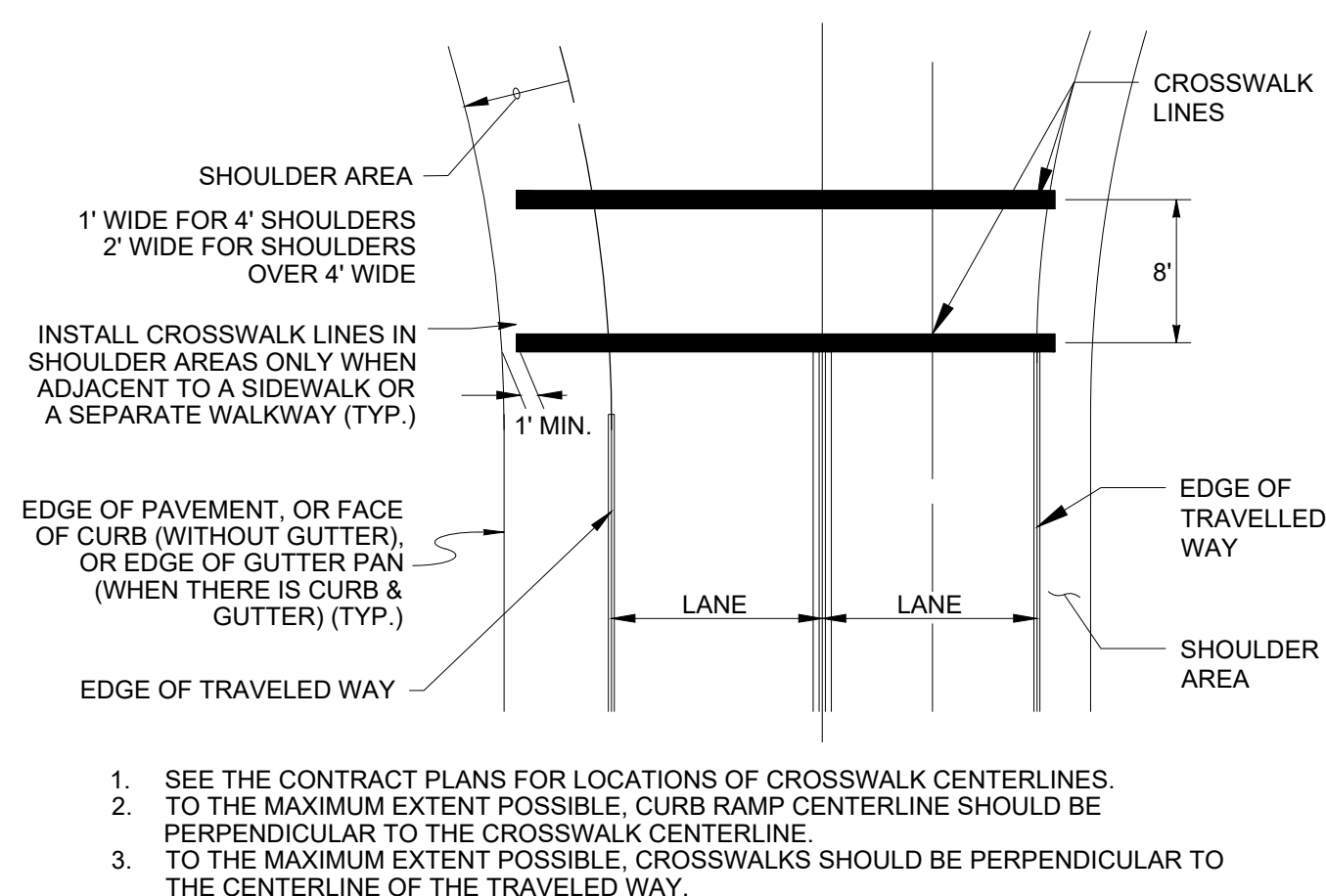
① NW GARFIELD AVE. (LINCOLN TO WASHINGTON)
(NOT TO SCALE)



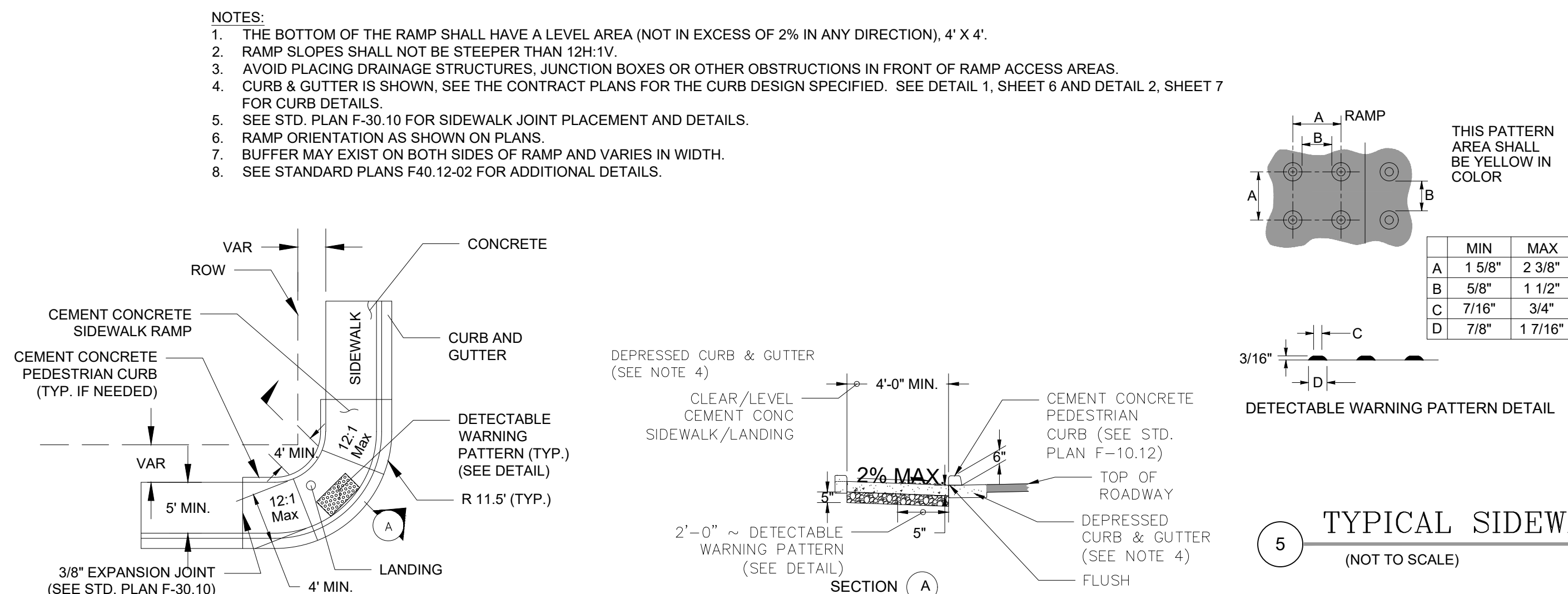
② NW GARFIELD AVE. (JEWETT TO LINCOLN)
(NOT TO SCALE)



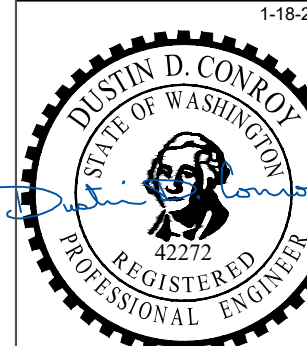
③ SIGN RELOCATION DETAIL
(NOT TO SCALE)



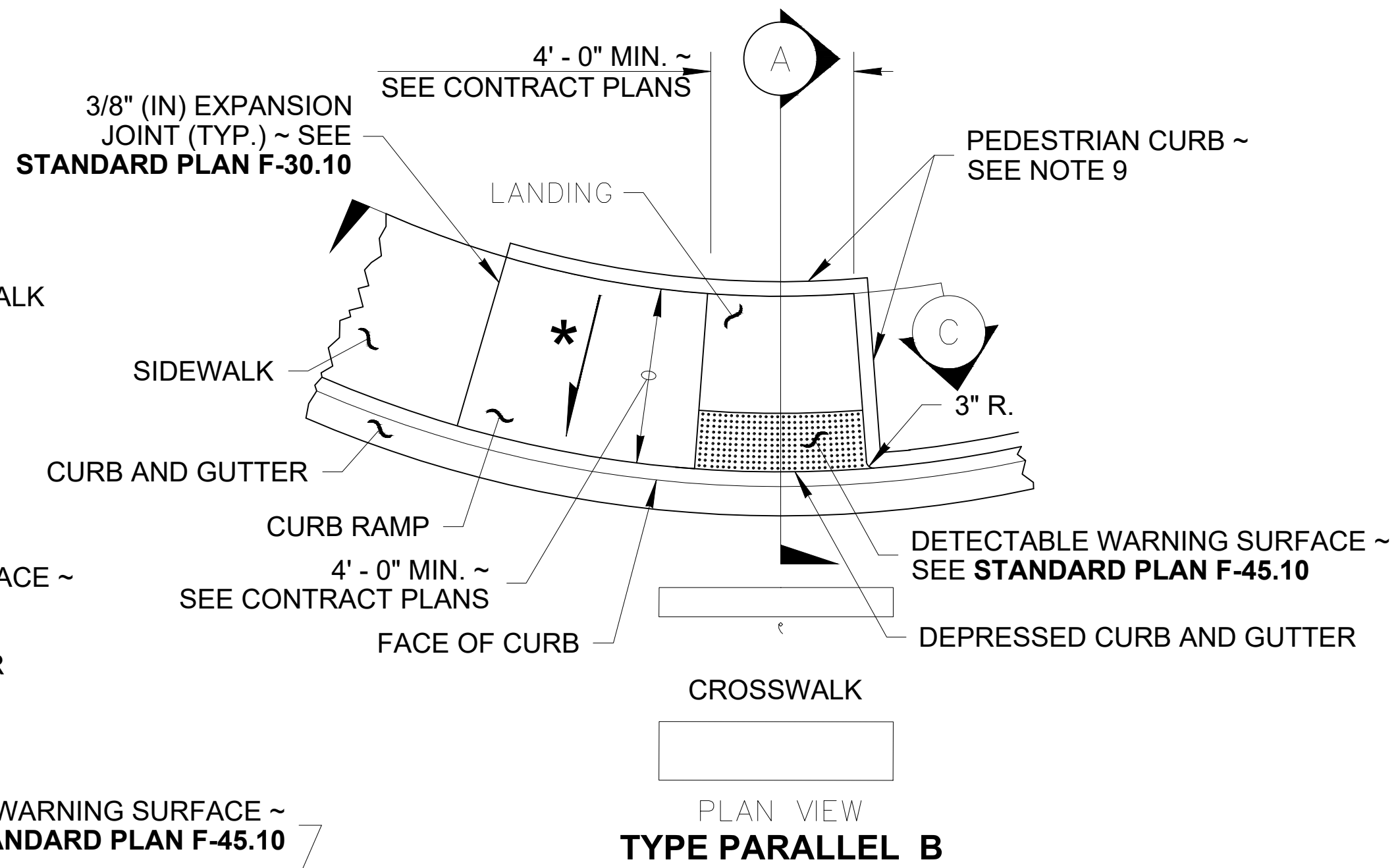
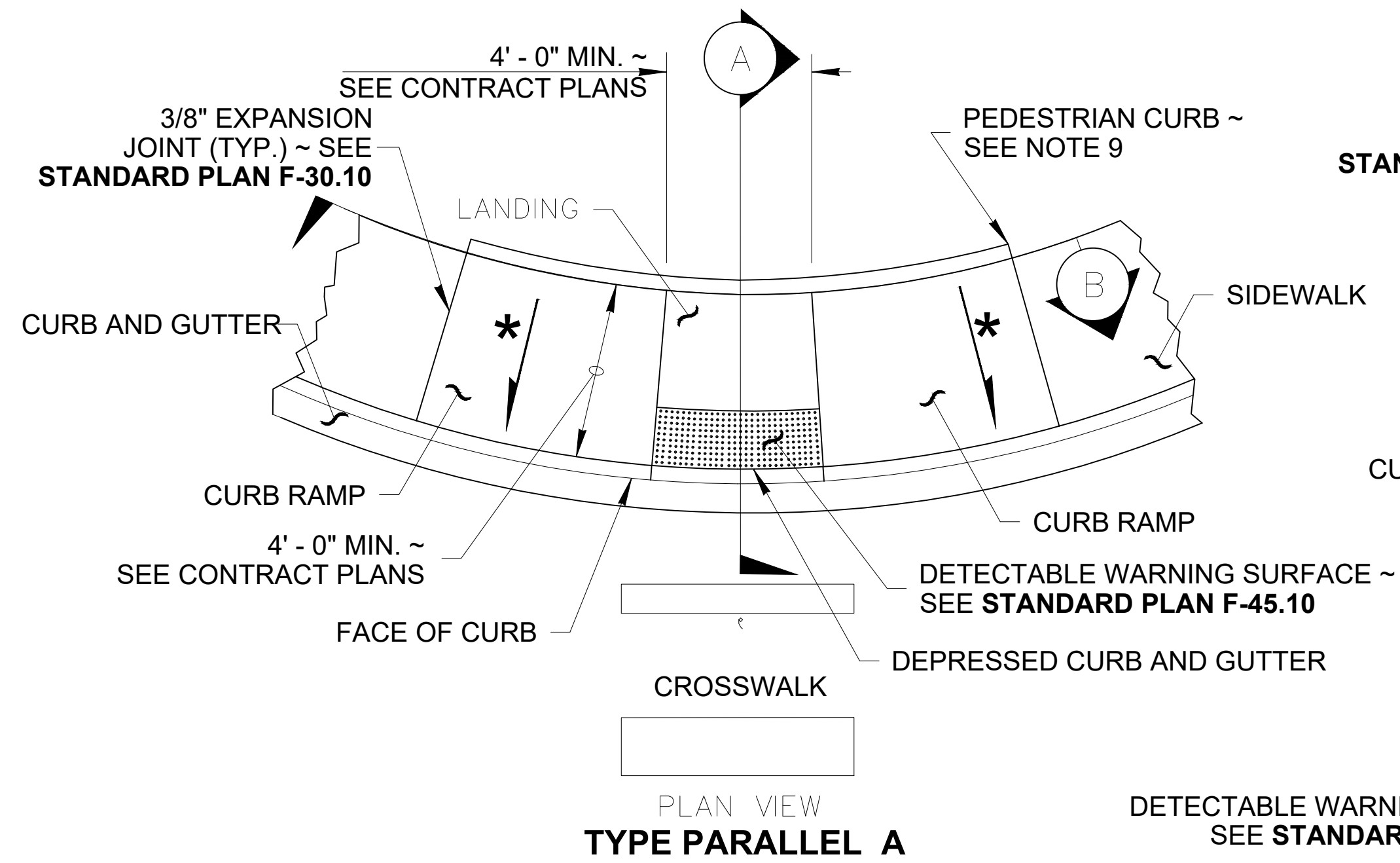
④ STREET CROSSING DETAIL
(NOT TO SCALE)



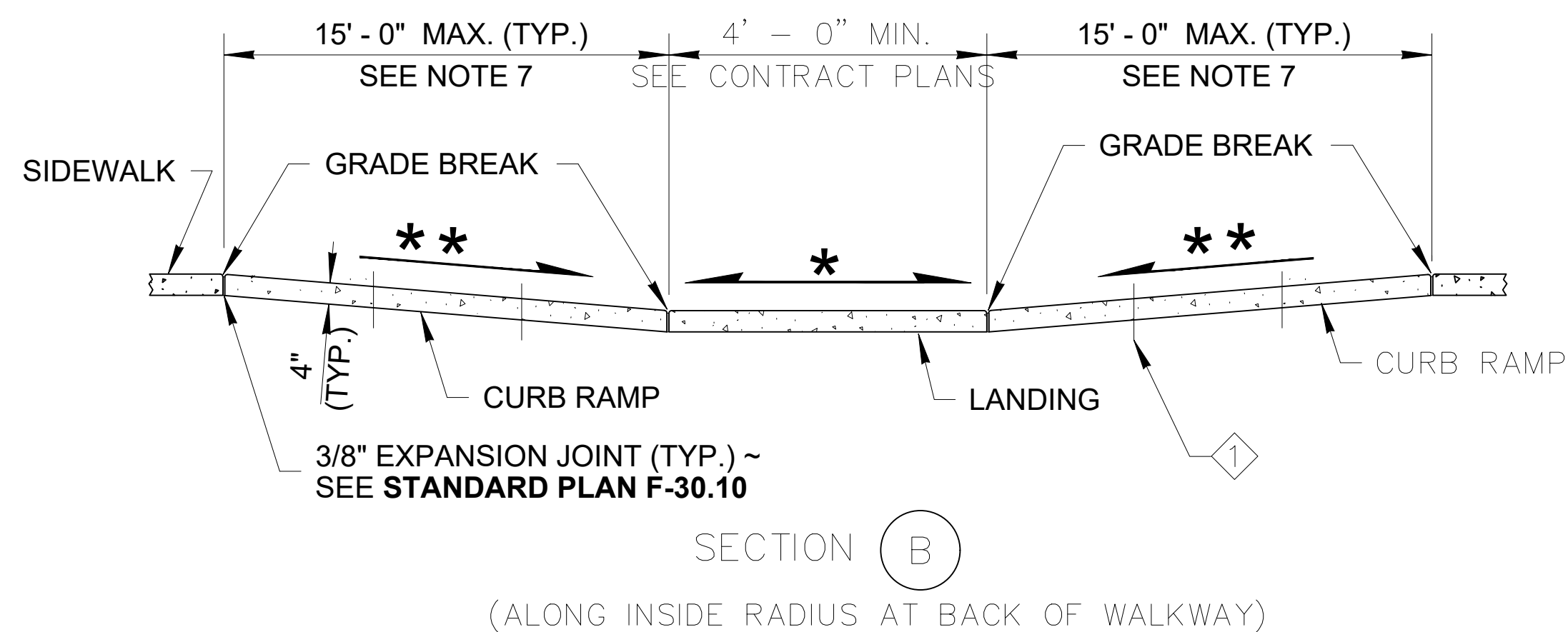
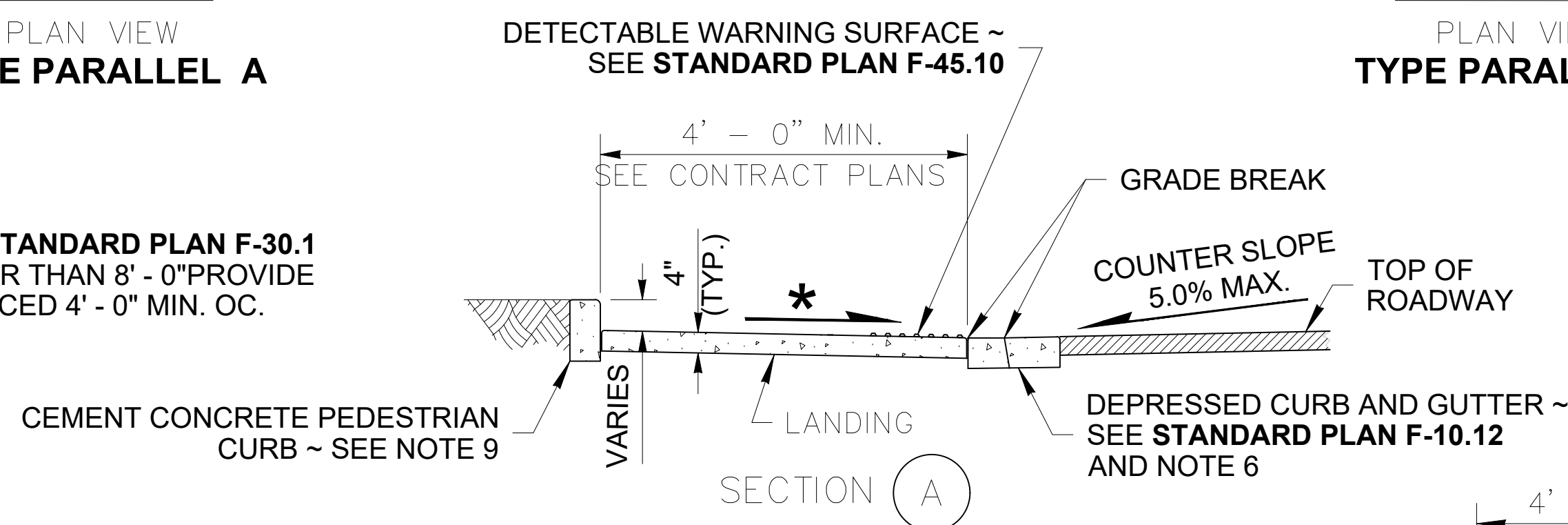
⑤ TYPICAL SIDEWALK RAMP
(NOT TO SCALE)



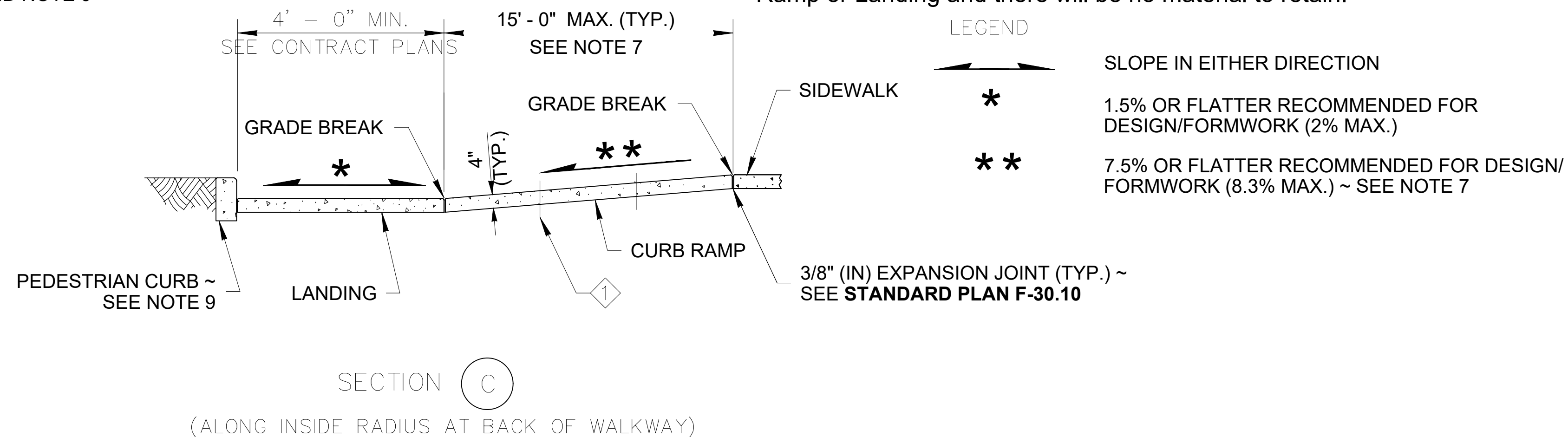
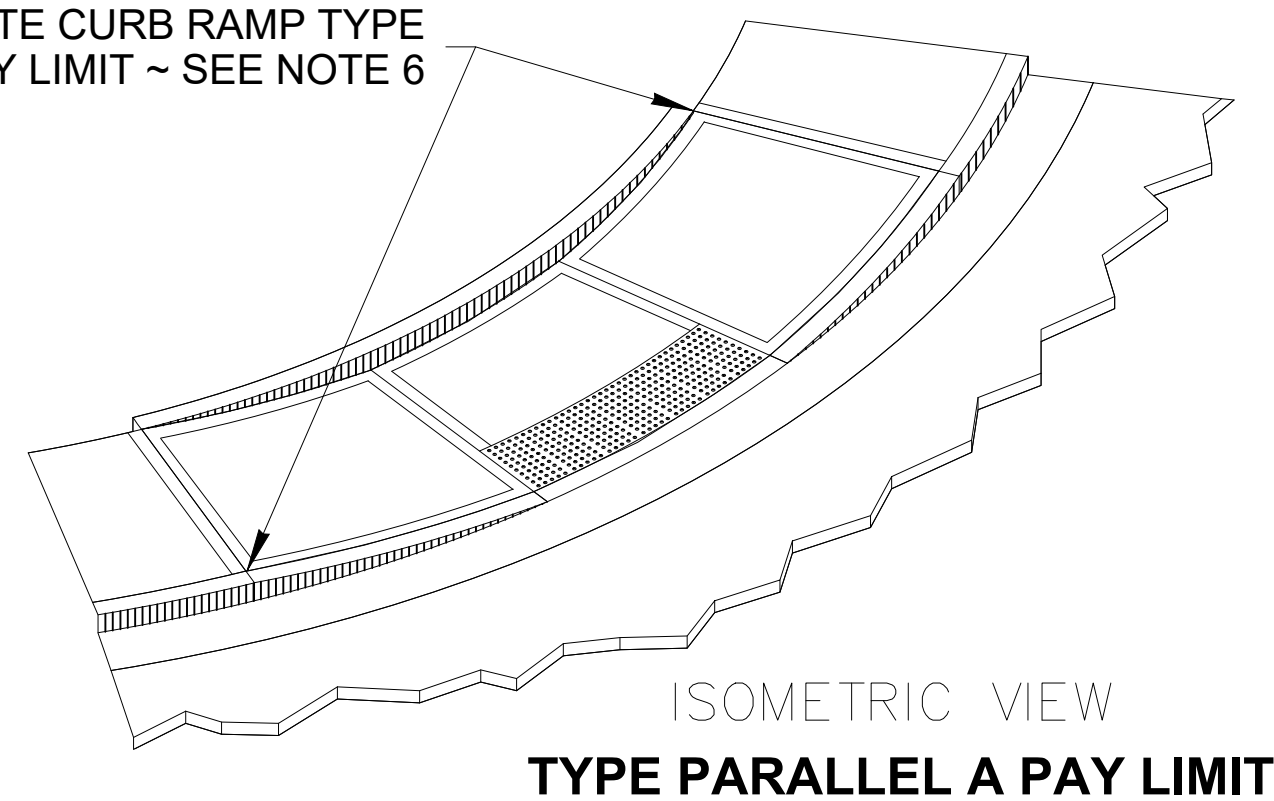
Revisions	
No.	Date
3.0	2-15-2023
2.0	5-25-2021
1.0	12-9-2020
SHEET NO.	



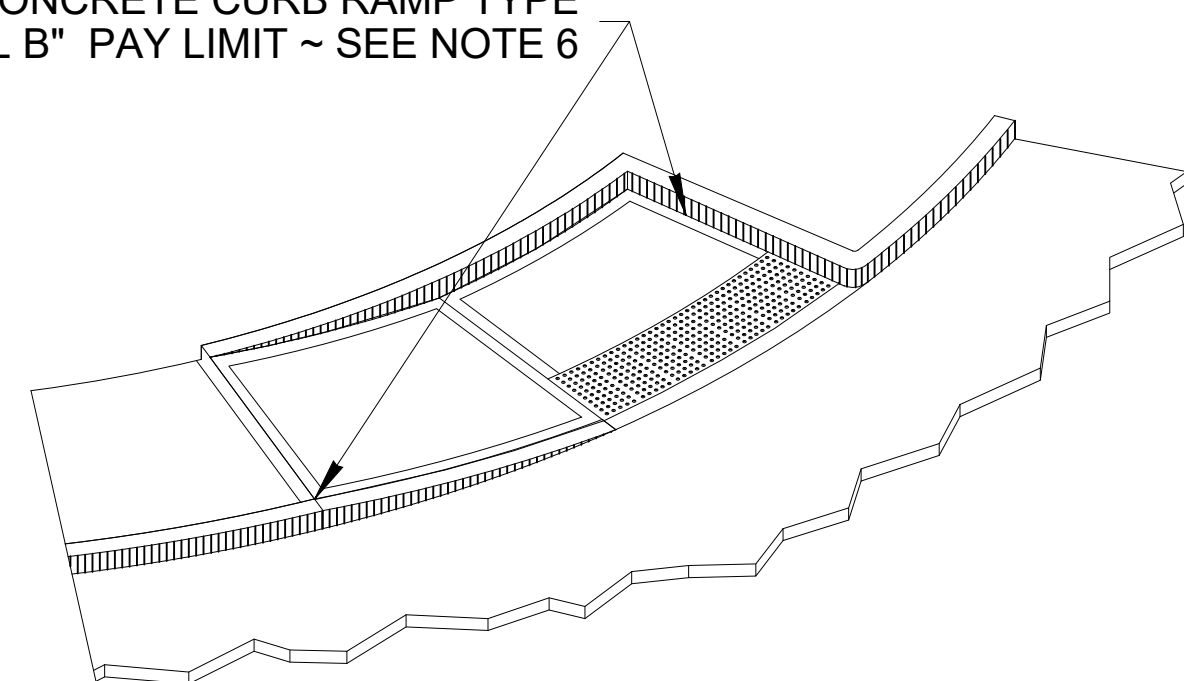
1 CONTRACTION JOINT (TYP.) ~ SEE **STANDARD PLAN F-30.1**
FOR CURB RAMP LENGTHS GREATER THAN 8' - 0" PROVIDE
CONTRACTION JOINT EQUALLY SPACED 4' - 0" MIN. OC.



"CEMENT CONCRETE CURB RAMP TYPE
PARALLEL A" PAY LIMIT ~ SEE NOTE 6

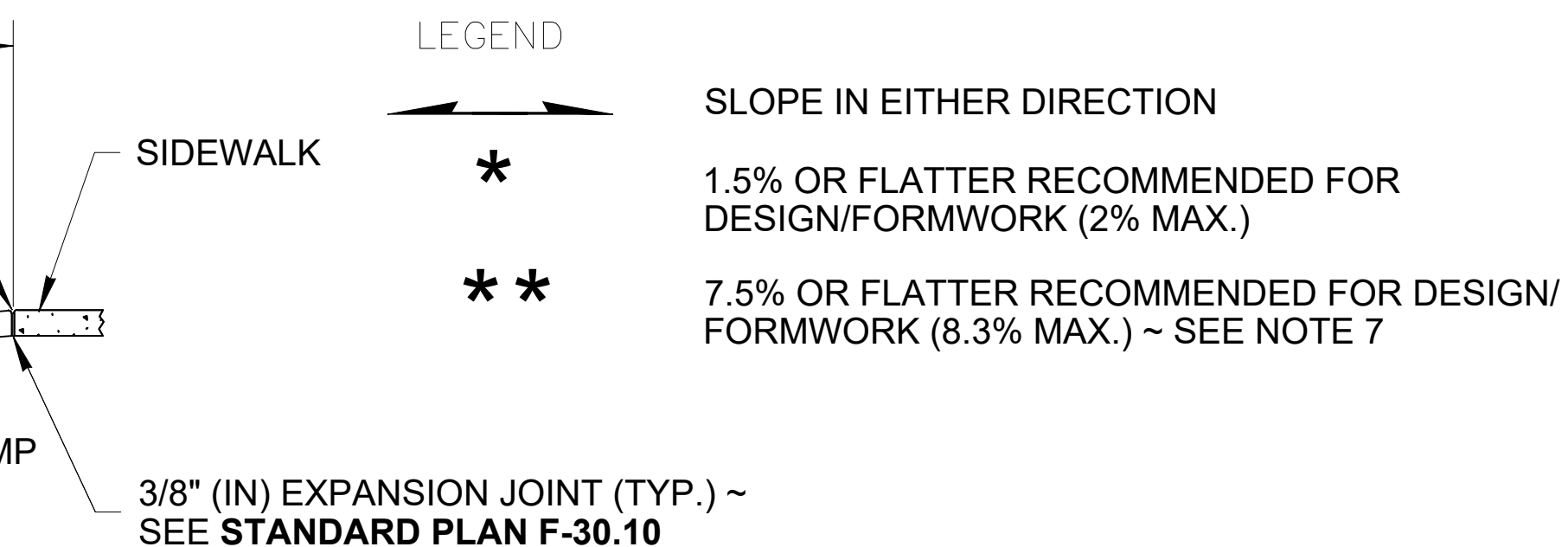


"CEMENT CONCRETE CURB RAMP TYPE
PARALLEL B" PAY LIMIT ~ SEE NOTE 6



NOTES

- At marked crosswalks, the connection between the landing and the roadway must be contained within the width of the crosswalk markings.
- Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
- Do not place Gratings, Junction Boxes, Access Covers, or other appurtenances on any part of the Curb Ramp or Landing, or in the Depressed Curb and Gutter where the Landing connects to the roadway.
- See Contract Plans for the curb design specified. See **Standard Plan F-10.12** for Curb, Curb and Gutter, Depressed Curb and Gutter, and Pedestrian Curb details.
- See **Standard Plan F-30.10** for Cement Concrete Sidewalk Details. See Contract Plans for width and placement of sidewalk.
- The Bid Item "Cement Concrete Curb Ramp Type __" does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalks.
- The Curb Ramp length is not required to exceed 15 feet (unless otherwise shown in the Contract Plans). When applying the 15-foot max. length, the running slope of the curb ramp is allowed to exceed 8.3%. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk over a horizontal distance of 15 feet. Do not include abutting landing(s) in the 15-foot max. measurement. When a ramp is constructed on a radius, the 15-foot max. length is measured on the inside radius along the back of the walkway.
- Curb Ramps and Landings shall receive a broom finish. See **Standard Specifications 8-14**.
- Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will be no material to retain.



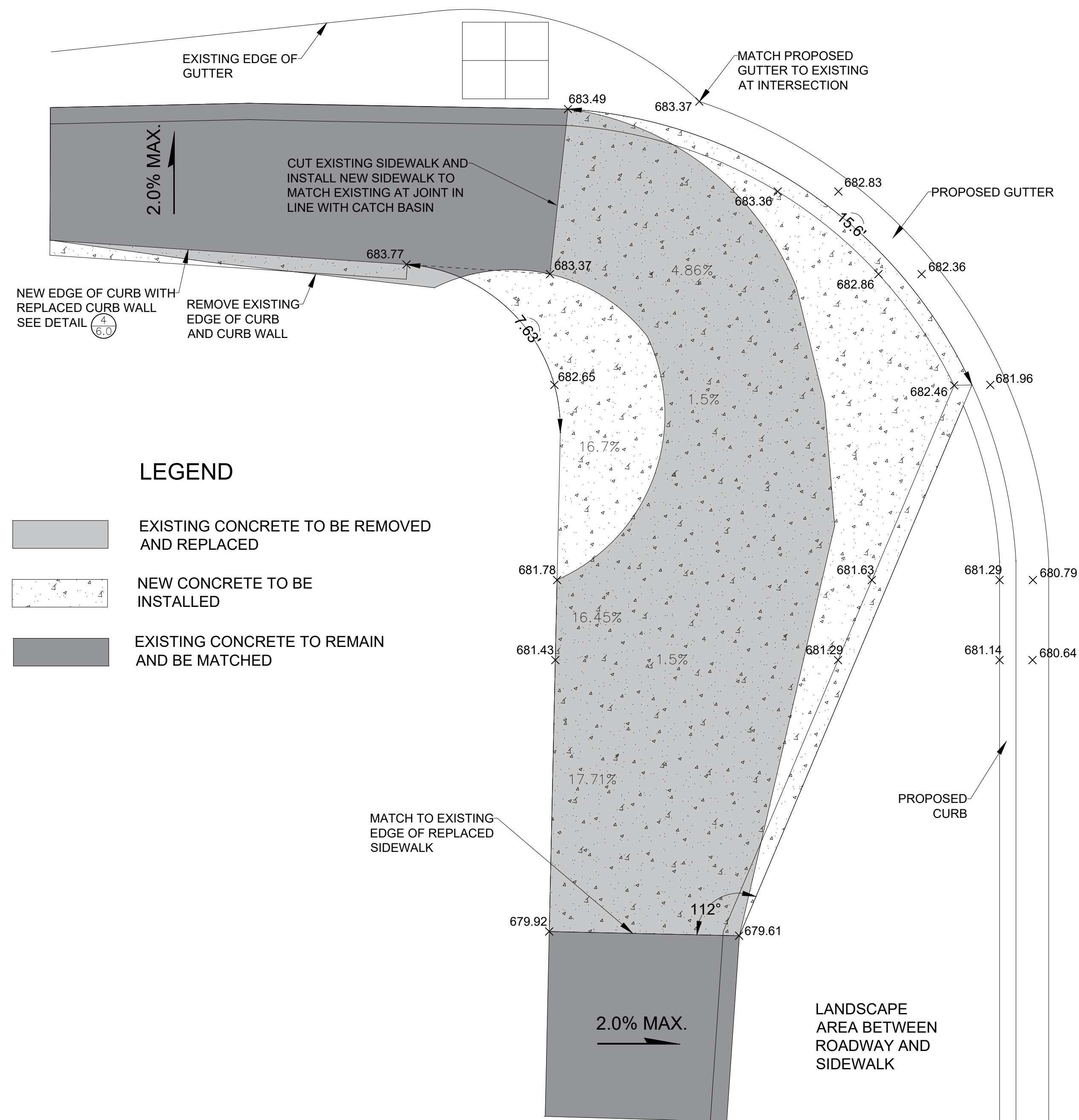
1 PARALLEL CURB RAMP STANDARD PLAN (NOT TO SCALE)

06/29/16

No.	Date	Revisions
3.0	2-13-2023	FINAL
2.0	3-25-2021	SUBMITTED FOR REVIEW
1.0	12-9-2020	SUBMITTED FOR REVIEW

SHEET NO.	8.0
SCALE: AS NOTED	
JOB NO.	20-702
REV.	0

A PLAN VIEW

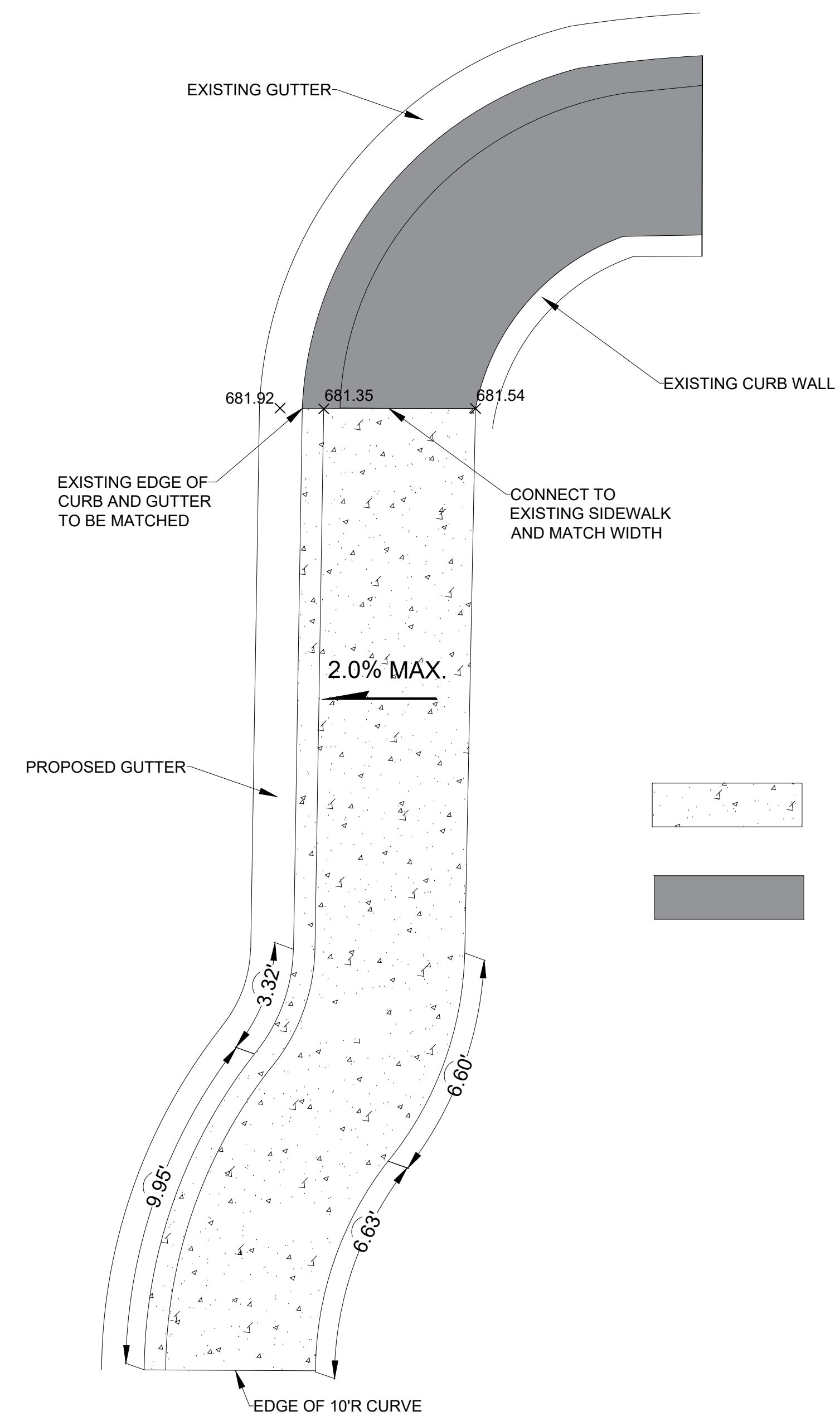


LEGEND

- EXISTING CONCRETE TO BE REMOVED AND REPLACED
- NEW CONCRETE TO BE INSTALLED
- EXISTING CONCRETE TO REMAIN AND BE MATCHED

1 GARFIELD-LINCOLN INTERSECTION SW CURB REPLACEMENT
(NOT TO SCALE)

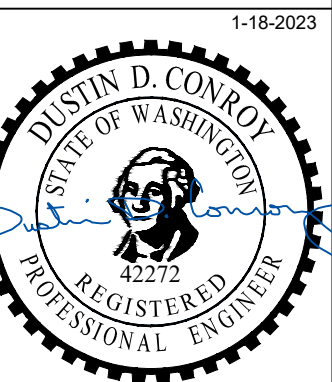
A PLAN VIEW



LEGEND

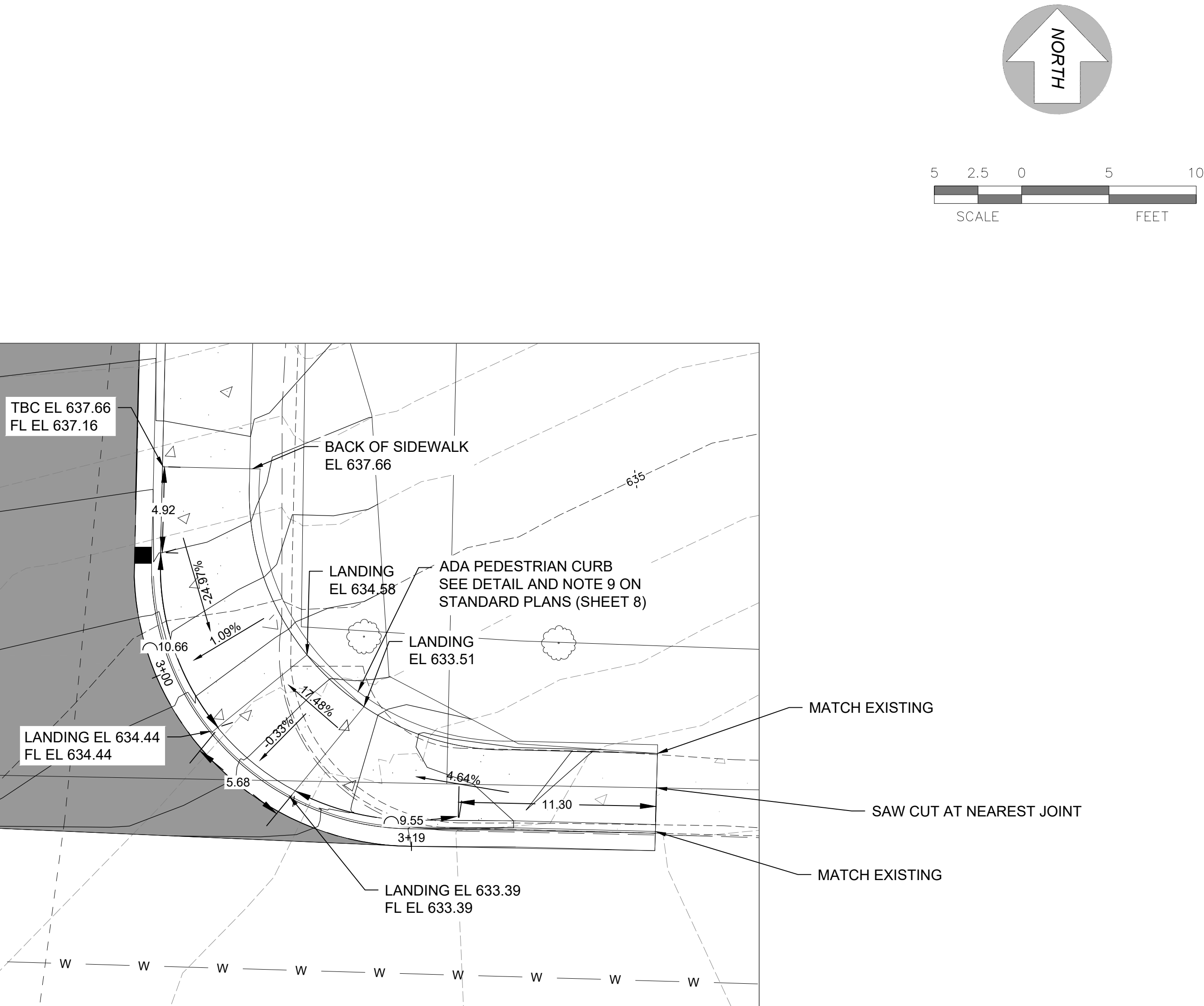
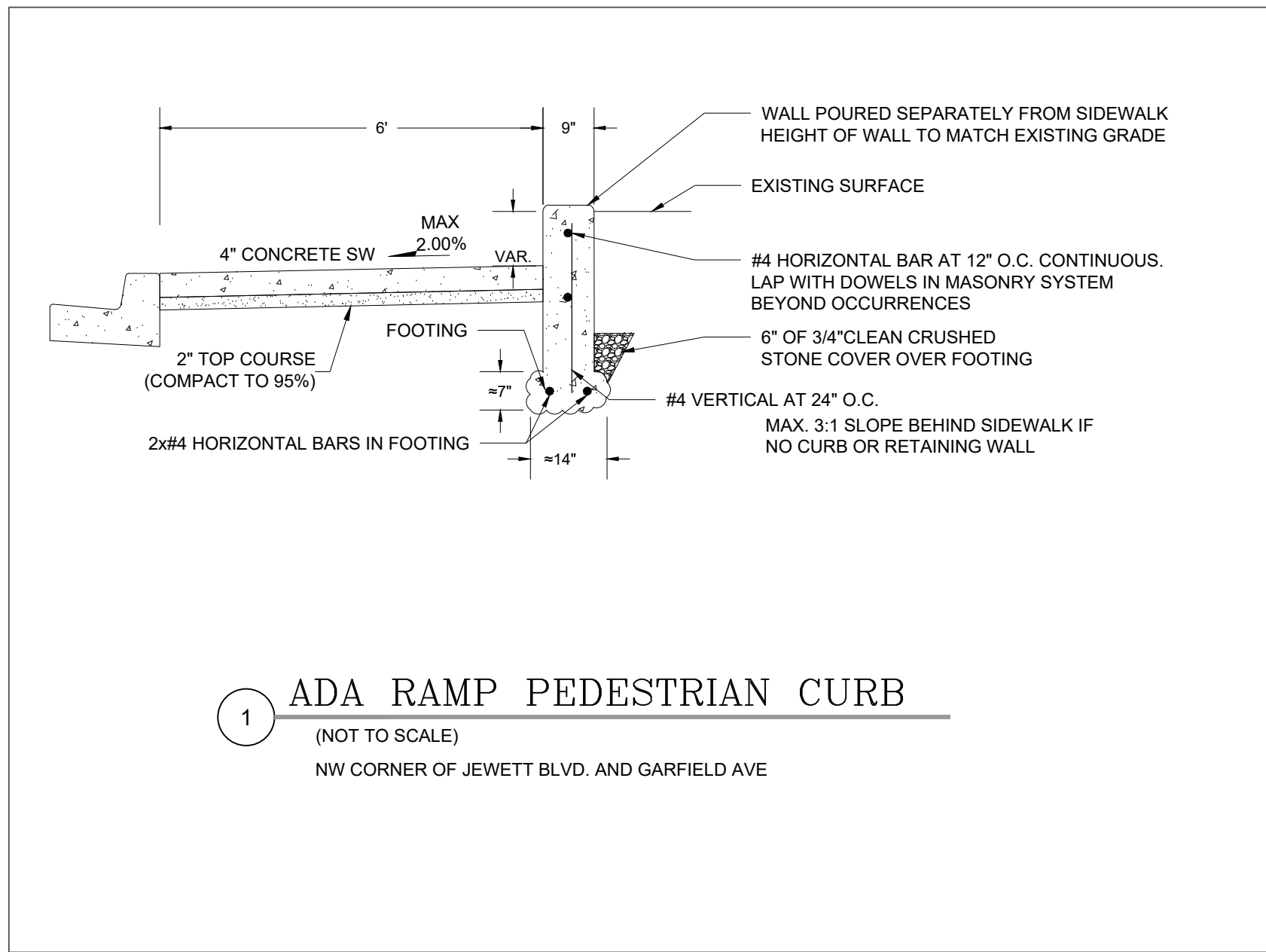
- NEW CONCRETE TO BE INSTALLED
- EXISTING CONCRETE TO REMAIN AND BE MATCHED

2 SOUTH GARFIELD NORTH EASTERN SIDEWALK CONNECTION
(NOT TO SCALE)



Revisions	
No.	Date
3.0	2-13-2023
2.0	3-25-2021
1.0	12-9-2020

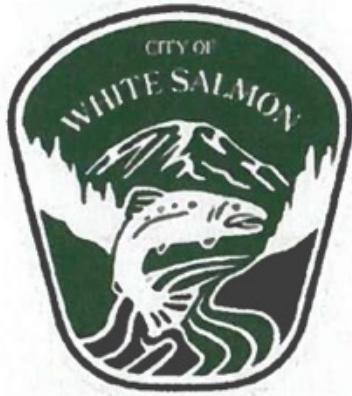
FINAL SUBMITTED FOR REVIEW	12-9-2020
SUBMITTED FOR REVIEW	
SHEET NO.	
9.0	
SCALE: AS NOTED	
JOB NO.	REV.
20-702	0



No.	Date	Revisions
3.0	2-13-2023	FINAL
2.0	3-25-2021	SUBMITTED FOR REVIEW
1.0	12-9-2020	SUBMITTED FOR REVIEW

File Attachments for Item:

C. Approval of Contract - Additional E/V Charging Station - Opt Connect (\$9,059.92)



Department Head: SMP
Clerk/Treasurer: SMP
City Administrator: T.P.
Mayor: MMK

COUNCIL REPORT

☐ Business Item

☒ Consent Agenda

Needs Legal Review:

Yes, completed

Meeting Date:

March 15, 2023

Agenda Item:

Opt Connect E/V Charging Station Contract

Presented By:

Stephanie Porter, Clerk Treasurer

Action Required:

Authorize the mayor to sign the Opt Connect E/V Charging Station Contract for the additional E/V charging station in the amount of \$9,059.92.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to authorize the mayor to sign the Opt Connect E/V Charging Station Contract in the amount not to exceed \$9,059.92.

Explanation of Issue:

The city council approved staff to move forward with the community desire to fund a second E/V Charging Station to be installed next to the Forth Grant Funded Ride Share station at the White Salmon Fire Hall.

The City received \$9,100 in donations from the community to fund the additional charging station before the February 24, 2023 council agreed deadline.

There is an annual operation fee of \$950 for the Service Agreement and the Network. The Maintenance agreement is included for review.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Other action as desired by council.

Fiscal Analysis:

Community Donations for the second E/V charging station in the amount of \$9,100 have been received and deposited into the E/V Charging Station line item under the city's Street Fund. You will see this additional revenue and expenditure on the first budget amendment of the year.

The council will need to approve the operating and maintenance cost associated with the second unit in the 2024 budget. These costs are projected at around \$1500 (estimated \$1200 for operating and \$300 for maintenance).

Follow Up Action:

Signed contract will be provided to Opt Connect for coordination with Forth Grant for installation.

City of White Salmon-Fire Hall (City station 1 dual port pedestal 40 amp) updated 2/22/2023

City of White Salmon

Stephanie Porter

clerktreasurer@ci.white-salmon.wa.us
+15094931133 ext 205

Reference: 20230218-145045728

Quote created: February 18, 2023

Quote expires: March 20, 2023

Quote created by: Amy Hillman

ahillman@opconnect.com
+15039981006

Comments from Amy Hillman

- *-Excavation/Back Filling by City of White Salmon
- Concrete pads by City of White Salmon
- Bollards by City of White Salmon
- Utility underground conduit and wire provided/installed by PUD

Products & Services

Item & Description	Quantity	Unit Price	Unit Discount	Total
OpConnect ClipperCreek 40 Amp Dual Pedestal (Hub and Satellite/Cell and Wifi) Configuration Dual port, pedestal mount, 40 amp, Level 2 charger, Cellular with Wifi	1	\$5,059.00	12%	\$4,451.92 after 12% discount

Item & Description	Quantity	Unit Price	Unit Discount	Total
configuration, OpConnect app for access control and payment				
Dual Port Hub and Satellite Network fees (pedestal or wall) OpConnect EV Charger cloud network services, IC3-40 or HCS-40 thru HCS-60-C cellular connection, Per two ports/year for cellular and wifi configuration on dual port units	1	\$400.00 / year		\$400.00 / year
Maintenance service agreement, HCS-40, 50, 60 chargers Maintenance service agreement that covers on-site repair of stations, per port per year.	2	\$275.00 / year		\$550.00 / year
OP- ACTIVATION-L2 Equipment back office provisioning, configuration, activation of network services, HCS-40,50,60 and L2X series chargers one-time fee	2	\$300.00	\$250.00	\$100.00 after \$500.00 discount
Freight Freight	1	\$350.00	\$71.00	\$279.00 after \$71.00 discount
Installation Installation of EV Charging Station 1- (2) 40-amp branch circuits 2- (1) Install of (1) EV Pedestal 3- (2) Install of EV Chargers (Provided by others) 4- Permit fee To just do make ready for future install and run underground conduit	1	\$3,279.00		\$3,279.00

Item & Description	Quantity	Unit Price	Unit Discount	Total
from service to EV charger would be				
\$492.00				
Subtotals				
Annual subtotal				\$950.00
One-time subtotal				\$8,109.92
				after \$1,178.08 discount
			Total	\$9,059.92

Purchase terms

1. These EVSE will be operated in the OpConnect Electric Vehicle Charging System® network.
2. The information in this quote is confidential and may be legally privileged. It is intended solely for the addressee. Access to this quote by anyone else is unauthorized.
3. A non-cancellable purchase order or this signed quote shall be issued for the purchase of equipment.
4. Payment terms are balance due prior to shipment or per Purchase Order terms.

Delivery Timeframe: 4-6 weeks from purchase

NOTE: Installation and Applicable Sales Taxes are not Included in the Table Above

The purchase of equipment is governed by the standard terms and conditions available at:

<https://www.opconnect.com/press/hardware-tc/>

The purchase of network services is governed by the standard terms and conditions available at:

<https://www.opconnect.com/press/network-tc/>

Your signature below indicates acceptance of the pricing and terms and conditions in this proposal.

Signature

Signature

Date

Printed name

Questions? Contact me



Amy Hillman
ahillman@opconnect.com
+15039981006

OpConnect, Inc.
1020 SE 11th Ave
Portland, Oregon 97214
United States



MAINTENANCE SERVICE AGREEMENT

SUMMARY OF FUNDAMENTAL PROVISIONS

EFFECTIVE DATE: _____

STATION OWNER: Company Name: _____
Address: _____

STATION OWNER CONTACT PERSON: Name: _____
Title: _____

STATION OWNER PHONE/EMAIL: E-Mail Address: _____
Contact Phone Number: _____

OPCONNECT: OpConnect, Inc
1020 SE 11th Ave
Portland, OR 97214

OPCONNECT CONTACT PERSON: Dexter Turner

OPCONNECT PHONE/EMAIL: (503) 477-5742 x229
dturner@opconnect.com

NUMBER OF EVSE UNITS AND INSTALLATION SITES: See Exhibit A

COMMENCEMENT DATE: _____

INITIAL TERM: One (1) year

EXTENSION OPTION(S): Two (2) One-year extensions

1. Introduction

- 1.1. OpConnect has electric vehicle service equipment (EVSE) located on the Station Owner's property as defined in Exhibit A. These EVSE need to be maintained in an operational state.
- 1.2. The purpose of this agreement is to define the roles and responsibilities of the two parties of this maintenance agreement entered into by OpConnect, Inc (hereby referred to as OpConnect) and Owner of OpConnect EVSE (hereby referred to as Station Owner).
- 1.3. OpConnect agrees to provide prompt, courteous and efficient service for all of Station Owner's OpConnect EVSE as defined in this agreement.
- 1.4. Station Owner agrees to provide unrestricted access to technicians as needed to make repairs and to promptly settle any amounts due as outline in this agreement.

2. Definitions

- 2.1. "Emergency" means a condition of exposed live electrical wiring or other condition that would represent physical danger to users of Installed EVSE or the general public
- 2.2. "Installed EVSE" means collectively OpConnect branded EVSE and EVSE manufactured by other parties that is owned by Station Owner and covered by this agreement
- 2.3. "Installed location" means the location that the installed EVSE has been installed at as defined in Exhibit A
- 2.4. "Normal business hours" means 8:00 a.m. to 5.00 p.m. local time, Monday through Friday, except on public holidays.
- 2.5. "Public holidays" means any local, state or federal government recognized holiday
- 2.6. "Station Owner Site" means installation location for the Installed EVSE as defined in Exhibit A.

3. Annual Equipment Maintenance Service

- 3.1. The following services shall be provided for the cost of the Annual Equipment Maintenance Service listed in Exhibit B
 - Remote and onsite diagnosis of inoperative Installed EVSE with response times as defined in Response Time section to provide repair estimates (Tier 2)
 - Repair to correct issues with inoperable Installed EVSE that are covered by Installed EVSE warranty
 - Perform regularly scheduled maintenance and inspections for Installed EVSE per Installed EVSE manufacturer's supplied documentation
- 3.2. The completion of any non-warranty repairs shall be billed on a time and materials basis.

4. OpConnect's Responsibilities

- 4.1. OpConnect or its contractors shall diagnose, provide repair estimates and repair Installed EVSE to restore any inoperable Installed EVSE to an operable condition of charging connected electric vehicles.
- 4.2. OpConnect shall provide an online portal (licensed separately) to allow Station Owner to view the status of any entered maintenance or support issues against Installed EVSE.
- 4.3. OpConnect or its contractors shall perform regularly schedule maintenance and inspections for Installed EVSE.
- 4.4. OpConnect shall coordinate with the owner/manager of the property that is hosting Installed

EVSE to coordinate access to Installed EVSE, traffic management, etc. as necessary to perform regularly scheduled maintenance and repair of Installed EVSE.

- 4.5. OpConnect shall contact the manufacturer of any Installed EVSE manufactured by other parties to obtain parts necessary to repair inoperable Installed EVSE.
- 4.6. OpConnect shall obtain prior consent from Station Owner for the removal of any equipment from installed premises. This shall not apply to the removal of parts that are replaced under OpConnect's performance of the services outlined in this agreement.
- 4.7. OpConnect shall carry out onsite maintenance, diagnosis and repair work required hereunder during normal business hours. If OpConnect, at Station Owner request, shall carry out any diagnosis and repair work outside normal business hours, this diagnosis or repair shall be approved by the Station Owner prior to arrival at the installed location, and OpConnect shall be entitled to make an extra charge calculated at the applicable hourly rate defined in Appendix B. Diagnosis or repair work that must be performed outside normal business hours in response to a reported Emergency shall not require prior approval by the Station Owner prior to completion of the work, and OpConnect shall be entitled to make an extra charge calculated at the applicable hourly rate defined in Appendix B.

5. Station Owner's Responsibilities

- 5.1. Request that users of installed EVSE contact OpConnect on the toll-free number posted on the Installed EVSE or via email at support@opconnect.com to provide first-hand information for any issues they experience with EVSE.
- 5.2. If necessary, contact installed site's owner/manager on OpConnect's behalf to ensure that the site owner/manager provides adequate working space for use by OpConnect personnel near the Installed EVSE.
- 5.3. If necessary, coordinate with other manufacturers and OpConnect to assist OpConnect with getting warranty repairs, or other repairs completed if the manufacturer needs contact with Installed EVSE's owner
- 5.4. Promptly pay all invoices and monies owed.

6. Response Time

- 6.1. Tier 1 online and phone evaluation – 24 hours from notification
- 6.2. Initial onsite evaluation and service – 72 hours from notification
- 6.3. Repair Dispatch (if repair parts not available on initial onsite evaluation) – Five (5) business days after Onsite Evaluation

Notes: Any access restrictions at the charger location may result in longer Response Times. Additionally, any access restrictions must be clearly defined to OpConnect during or before the onsite visit.

7. Time & Material Calls

- 7.1. Labor for time and materials work shall be invoiced according to labor rated in Exhibit B.
- 7.2. Work done to repair and correct non-warranty issues with inoperable Installed EVSE shall be invoiced on a time and materials basis according to time spent, excluding travel time and diagnosis time, provided that the cause of the problem is not one of the excluded causes listed in 7.3:

7.3. Work done to repair and correct non-warranty issues with inoperable Installed EVSE shall be invoiced on a time and materials basis according to time spent, including travel time, if the cause of the problem is one of the following excluded causes:

- Any damage to an Installed EVSE's cord for connection to EVs, unless such damage is caused by a manufacturing defect in the cord or connector assembly
- An act of vandalism, theft, fraud, natural disaster, accident, power failure or spikes, neglect or misuse
- Damage caused by a vehicle striking or otherwise damaging an Installed EVSE, whether vehicle is an electric vehicle using an EVSE, or any other vehicle
- An alteration or repair to an Installed EVSE not done by OpConnect or its contractors
- An upgrade, not a repair of an Installed EVSE.

8. Term

- 8.1. The Initial Term will commence on the Commencement Date and will be the time set out in the Fundamental Provisions
- 8.2. If Extension Options are included in the Fundamental Terms, each Extension Option will be deemed automatically exercised at the end of the then existing Term unless Station Owner or OpConnect gives notice at least 30 days prior notice to the other party that it does not desire to extend the Term.

9. Legal Information

- 9.1. Station Owner shall make all payments within the due date specified on any invoices. If any charge or part thereof shall be unpaid for 30 days after the agreed date the same shall be become due, OpConnect may (without prejudice to its right to recover the same) give notice to Station Owner by registered mail requiring Station Owner to pay such charges or part thereof within seven days after receipt of such notice and if Station Owner shall fail to comply with such notice OpConnect may forthwith terminate this Agreement.
- 9.2. The contract may be cancelled, without notice, and any requests for service refused if payments are not current.
- 9.3. Any dispute arising out of or relating to this Agreement must be resolved by arbitration administered by the American Arbitration Association under its Commercial Arbitration Rules. The award shall be final and binding on the parties and may be entered and enforced in any court having jurisdiction. The arbitration shall be held in English and the place of arbitration shall be Raleigh, NC. There shall be one arbitrator agreed to by the parties within twenty (20) days of receipt by respondent of the request for arbitration or in default thereof appointed by the American Arbitration Association.
- 9.4. In the event that either party commences a dispute action against the other, the prevailing party shall be entitled to all reasonable costs for such actions, including but not limited to, all reasonable legal and administrative fees arising from such action.
- 9.5. This written agreement represents the entire agreement between the two parties and no prior verbal or written agreement shall have any bearing on the agreement set forth here.
- 9.6. OpConnect will not perform any work that will, in any way, violate any federal, state, city or other ordinance. In addition, OpConnect will not perform any work that would create

or place the technician in an unsafe work environment

STATION OWNER:

By: _____

Name: _____

Title: _____

OPCONNECT:

OpConnect, Inc.

By: _____

Name: _____

Title: _____

EXHIBIT A INSTALLATION SITES FOR INSTALLED EVSE UNITS

Number EVSE Units at this Site: ____ *Note: If this is a multi-level parking structure and EVSE Units are to be installed on more than one parking level, each Level is a "Site". In this case, it is acceptable to put "Same as previous Site" for the Site's contact information below*

Identification and number of EVSE at this site	Level 2 EVSE: _____ DCFC: _____
Site's Physical Address:	_____ _____ If multi-level, floor number: _____
Onsite Contact's Name:	Name: _____ Contact phone: _____ Contact email: _____

Number EVSE Units at this Site: ____ *Note: If this is a multi-level parking structure and EVSE Units are to be installed on more than one parking level, each Level is a "Site". In this case, it is acceptable to put "Same as previous Site" for the Site's contact information below*

Identification and number of EVSE at this site	Level 2 EVSE: _____ DCFC: _____
Site's Physical Address:	_____ _____ If multi-level, floor number: _____
Onsite Contact's Name:	Name: _____ Contact phone: _____ Contact email: _____

Number EVSE Units at this Site: ____ *Note: If this is a multi-level parking structure and EVSE Units are to be installed on more than one parking level, each Level is a "Site". In this case, it is acceptable to put "Same as previous Site" for the Site's contact information below*

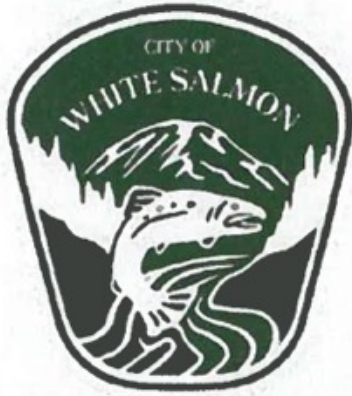
Identification and number of EVSE at this site	Level 2 EVSE: _____ DCFC: _____
Site's Physical Address:	_____ _____ If multi-level, floor number: _____
Onsite Contact's Name:	Name: _____ Contact phone: _____ Contact email: _____

**EXHIBIT B
COSTS**

Item	Cost
Annual Equipment Maintenance Service	Level 2 EVSE: 40-60A: \$275 per port/year Level 2 EVSE: 80-100A: 315 per port/year DCFC: \$1,075/charger/year
Standard labor rate for time & materials work during Normal Business Hours. Actual time will be charged and there is no minimum.	\$102/hour
Overtime labor rate for time & materials work outside of Normal Business Hours, Monday-Friday and Weekends. Actual time will be charged and there is no minimum	\$153/hour
Overtime labor rate for time & materials work outside of Normal Business Hours, public holidays. Actual time will be charged and there is no minimum	\$204/hour
Mark-up percentage for Parts used to repair or service EVSE	15%

File Attachments for Item:

D. Approval of Host City Contract for E/V Station - Forth Grant



Department Head:	<u>SMP</u>
Clerk/Treasurer:	<u>SMP</u>
City Administrator:	<u>T.R.</u>
Mayor:	<u>MK</u>

COUNCIL REPORT

☐

Business Item

☒

Consent Agenda

Needs Legal Review:

Yes, completed

Meeting Date:

March 15, 2023

Agenda Item:

Host Site Agreement – Zap Grant E/V Charging Station

Presented By:

Stephanie Porter, Clerk Treasurer

Action Required:

Authorize the mayor to sign the Host Site Agreement PTD0572 with GoForth Carshare.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to authorize the mayor to sign the Host Site Agreement PTD0572 with GoForth Carshare.

Explanation of Issue:

The agreement provided by GoForth Carshare established the City of White Salmon as a Host Site for the E/V Carshare Program funded by the ZAP Grant.

Forth will place 1 vehicle at the Host Site under the Project in the Fire Hall location. It is currently estimated that the vehicle will be made available to program participants by April 30, 2023 and available until at least March 31, 2025.

Forth will be responsible for the following:

- Carshare Vehicle
- Approval of all Carshare Drivers
- Liability for all Approved Carshare Drivers
- Vehicle Registration and Insurance
- Maintenance of the vehicle
- Repair and towing of the vehicle.
- Parking Violations

The City is Responsible for:

- Completing tasks as reasonably requested by Forth, such as plugging in the vehicle or picking up trash in or around the vehicle. All such tasks will generally be less than thirty (30) minutes of time, are only expected to be completed during regularly scheduled staffing hours and will be limited to no more than two requests per week.
- Staff Training
- Promoting the Carshare Program
- Cleaning the Carshare Vehicle including:
 - Once per week: Inspecting vehicle for cleanliness and damage, cleaning out any loose trash.
 - Twice per month: Vacuuming the interior; wiping surface areas, such as seats, dash, console, cupholders, steering wheel; cleaning windows.
 - Twice per month: Exterior power washing, wiping of external surfaces, drying, rims and tires.

- Servicing including:
 - Taking the vehicle into a local dealership for regular service
 - Refilling tires if they are low on air pressure.
 - Jumping a vehicle in cases where the 12-volt battery dies
- Provide an in-kind contribution of at least \$5,812 – includes trenching already completed
- Maintain General Commercial Liability Insurance including contractual liability insurance.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Other action as desired by council.

Fiscal Analysis:

At this time the long term implications on the budget are unknown. The city will plan on \$500 for maintenance and operations within the upcoming budget amendment to cover base electric bills fees through the remainder of 2023.

Follow Up Action:

Signed Host Site Agreement will be provided to GoForth to move forward the installation.

Table of Contents

Pages 1-9	Host Site Agreement
Exhibit A	Site Plan and Location of Stations
Exhibit B	Station Product Specifications
Exhibit C	Underlying Contract (Zero-emissions Access Program Grant Agreement)

ELECTRIC VEHICLE CHARGING STATION AND CARSHARE HOST SITE AGREEMENT AS PART OF “BINGEN-WHITE SALMON GOFORTH CARSHARE”

ZAP Grant Agreement Number PTD0572

This Electric Vehicle Charging Station and Carshare Host Site Agreement (this “Agreement”), effective as of March 15th, 2023 (the “Effective Date”), is entered into by and between Forth, an Oregon nonprofit corporation whose address is 2035 NW Front Avenue, Suite 101, Portland, Oregon 97209 (“Forth”), and the City of White Salmon (“Site Owner”), owning the property located at 119 NE Church Ave, White Salmon, WA 98672 (the “Host Site”). Forth and Site Owner are each a “Party” to this Agreement and together are the “Parties.”

Background

Site Owner desires to have 1 electric vehicle charging station installed and host 1 electric carshare vehicle as part of Forth’s Washington State Department of Transportation-funded Bingen-White Salmon GoForth CarShare Project (the “Project”).

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the Parties agree as follows:

1. Electric Vehicle Charging Equipment.

- 1.1. Forth will obtain and install, at Forth’s expense, up to 1 charging station (a “Station”; each station is comprised of 2 charging ports) on the Host Site under the Project in the locations depicted on the site plan attached as Exhibit A. Product specifications for the Station are provided on the attached Exhibit B. It is currently estimated that installation will occur on or before March 31st, 2023; however, such date is only an estimate, and Forth shall not be liable for any delay in the estimated installation date.

- 1.2. **Ownership.** Upon installation of the Stations, Forth shall transfer title to the Stations to the Site Owner. Forth shall have the exclusive right to use 1 charging port per station for the purposes outlined in this Agreement for the duration of the term, without any fee, cost, or rent. Notwithstanding the foregoing, expenses associated with ownership of the Stations, such as ongoing networking fees, warrant, and service during the project period shall be covered by Forth.
- 1.2.1. At the end of the term, Site Owner will assume responsibility for all expenses with respect to the Stations. The network fees are currently set at \$420 per charger per year, additional maintenance may also be purchased at the site owner's discretion. (Additionally, at the end of the term, Site Owner may elect for the Stations to become a non-networked station, decreasing recurring expenses, but reducing functionality while retaining the ability to charge vehicles).
- 1.3. **Charging Service.** Site Owner hereby grants Forth an exclusive license to charge the registered carshare vehicle without time limit or parking meter for the project Term. Site Owner shall not have the right to permanently relocate the Station during the term. Forth shall reimburse the City for electricity costs at a rate of \$0.074/kWh (as set by KPUD, subject to change if KPUD changes the rate). Forth will also provide an additional \$0.10/kWh in order to contribute to the base rate of service at the meter. This reimbursement will occur on a quarterly basis and will include a record statement of electricity usage.
- 1.4. Forth agrees to occupy the Host Site only to the extent reasonably necessary to exercise the license and other rights granted in this Agreement.
- 1.4.1. Site Owner will include the value of the parking space in Cost Share documentation described in Section 4.2 below.
- 1.5. **Access to Host Site and Station.** During the Term, Site Owner shall provide Forth and its employees, agents, and contractors with access to the Host Site and Stations for installation, maintenance, data collection, and other uses consistent with this Agreement. Forth will attempt to give Site Owner at least 48 hours' prior notice before entering the Host Site; however, factors outside Forth's control may not always permit such prior notice.
- 1.6. **Access to Information.** Site Owner acknowledges that Forth will be collecting Station usage data, including charge event information, such as when a charge event occurs, energy transferred during the charge event, duration of the plug-in event, and duration of the charging period, and other anonymized data (collectively, "Data"). Site Owner acknowledges that the Data may be used by Forth for any lawful purpose, including, without limitation, analyzing usage and charging patterns, the effectiveness of infrastructure put in place to meet the needs of drivers of electric vehicles, and the efficacy of the Project. Site Owner hereby expressly grants Forth rights to the Data as described in this paragraph. Accessing the Data may require Site Owner to provide Forth with administrative

control of Station software, which Site Owner shall do promptly upon Forth's request.

- 1.7. **Maintenance.** During the Term, Forth shall be responsible for maintaining the Stations in good working order. Such repair and maintenance shall be at Forth's cost and expense, except if the need for the repairs and maintenance arises out of the negligence or intentional misconduct of Site Owner or its employees, agents, contractors, or invitees (excluding carshare users), and in the event of such negligence or intentional misconduct, Site Owner shall reimburse Forth for the cost of such maintenance and/or repair within thirty (30) days after Forth's written request for reimbursement.
- 1.8. **No Right to Remove, Move or Sell the Station.** The Stations may not be sold, retired, disposed of, removed or moved from their place of installation during the Term, without the prior written consent of Forth.
- 1.9. **Cost of Electricity.** Site Owner shall be responsible to pay for the cost of electricity associated with the Stations when due.
- 1.10. **Public Use.** During the Term, Site Owner may provide public access to the secondary station port on the Station (the "Public Charging Port"). Site Owner maintains the right to set the approved individuals/usergroups and the price public users pay for the Public Charging Port.

2. Electric Carshare Vehicle

- 2.1. Forth will place 1 vehicle at the Host Site under the Project in the locations depicted on the site plan attached as Exhibit A. It is currently estimated that the vehicle(s) will be made available to program participants by April 30, 2023 and available until at least March 31, 2025. However, such date is only an estimate, and Forth shall not be liable for any delay in the estimated launch date.
- 2.2. **No Cost for Service.** Host Site hereby grants Forth an exclusive license to park the registered carshare vehicle(s) without time limit, meter payment or energy payment except as provided in paragraph 1.3, above. for the project Term. Site Owner shall not have the right to permanently relocate the carshare vehicle(s) from the parking areas for which the license has been granted without Forth's prior written consent, which consent will not unreasonably be withheld. Forth

agrees to occupy Site Owner's property only to the extent reasonably necessary to exercise the license and other rights granted in this Agreement.

- 2.3. **Vehicle Availability.** Once launched, Forth or its designated carshare subcontractor (the "Operator") shall be responsible for approving carshare members. The carshare vehicle(s) will be made available to the approved carshare members. Carshare members must pass a Motor Vehicle Records check administered by Forth in line with Operator's insurance policy and complete phone orientation with respect to the obligations of each carshare member. Individuals who may become carshare members include any site resident, staff, or member of the general public.

Site Owner shall bear no responsibility to determine whether a Carshare member is qualified to operate a Carshare vehicle, and Forth shall indemnify and hold Site Owner harmless from any liability related to the actions or omissions of the Carshare member operating a Carshare vehicle.

2.4. **Carshare Staffing.**

- 2.4.1. Forth will be available by phone to the Site Owner to resolve inquiries 9am-5pm Monday through Friday, Pacific Time ("Business Hours") for the duration of the Agreement.
- 2.4.2. Forth or a subcontractor will be available by phone to carshare members 9am-5pm Monday through Friday, local Host Site time, for the duration of the Agreement.
- 2.4.3. Outside of local hours, there will be a call center available to carshare members for emergency response and inquiries.

- 2.5. **Vehicle Registration and Insurance.** Forth shall ensure proper registration and insurance coverage of licensed carshare vehicles and shall produce proof of registration and insurance stating coverage of at least \$1,000,000 per occurrence, \$2,000,000 aggregate at the Site Owner's request.

- 2.6. **Maintenance for Vehicles.** Forth shall properly maintain and repair licensed carshare vehicles at regular intervals at no cost to the Site Owner. Forth reserves the right to take the carshare vehicle offline for these services or other factors (such as cleanliness) that prohibit or adversely affect safe and comfortable use. Forth shall use commercially reasonable efforts to ensure vehicles taken offline for service issues will be placed back into service within 90 days.

- 2.7. Forth shall properly maintain and repair licensed carshare vehicles at regular intervals at no cost to the Site Owner. Forth reserves the right to take the carshare vehicle offline for these services or other factors (such as cleanliness) that prohibit or adversely affect safe and comfortable use. Forth shall use

commercially reasonable efforts to ensure vehicles taken offline for service issues will be placed back into service within 90 days.

- 2.8. **Remove Unauthorized Vehicles from Host Site.** Site Owner must promptly remove (e.g. tow) unauthorized vehicles in the parking space reserved for the Carshare Vehicle.
- 2.9. **Repair and Towing.** Should an accident occur, Forth will have all responsibility, including costs, for towing and repair of the Carshare Vehicle. Should an accident remove the vehicle from service, Forth shall replace the vehicle within 90 days, unless another solution has been agreed upon in writing by both parties.
- 2.10. **Parking Violations.** Forth shall pay parking violations issued to Carshare Vehicles in full upon notification of the violation unless the violation is being appealed. It is up to the Forth to receive reimbursement from the applicable carshare member.
- 2.11. **Vehicle Branding.** Forth holds exclusive right to brand the vehicle with decals/logos. Requests may be made by Site Owner for local branding, which Forth will consider in good faith.
- 2.12. **Carshare Revenue.** Any earned revenue from carsharing users will be received by Forth.

3. **Site Owner Deliverables**

Site Owner shall be responsible for the following:

- 3.1. **EVSE Installation.** Coordinate with Forth, charging station company, electric utility, and any other subcontractors as needed to ensure proper installation and activation of EV charging stations.
- 3.2. **Miscellaneous Tasks for Carshare Operation.** Complete tasks as reasonably requested by Forth, such as plugging in the vehicle or picking up trash in or around the vehicle. All such tasks will generally be less than thirty (30) minutes of time, are only expected to be completed during regularly scheduled staffing hours, and will be limited to no more than two requests per week. The person responsible for completing the task on behalf of Site Owner does not need to be onsite, but must be able to get to the Host Site during business hours upon request from Forth.
- 3.3. **Staff Training.** Require onsite staff, such as the property manager, to participate in a virtual or in-person training to understand the basics of the program.

- 3.4. **Promotion.** Provide basic awareness of the carshare vehicle and program to residents. Examples include word-of-mouth, physical and digital fliers, and emails.
- 3.5. **Cleaning of carshare vehicle.** Ensure the vehicle is kept clean. This includes:
 - 3.5.1. Once per week: Inspecting vehicle for cleanliness and damage, cleaning out any loose trash.
 - 3.5.2. Twice per month: Vacuuming the interior; wiping surface areas, such as seats, dash, console, cupholders, steering wheel; cleaning windows
 - 3.5.3. Twice per month: Exterior power washing, wiping of external surfaces, drying, rims and tires.
- 3.6. **Servicing.** Carshare vehicles will require basic service. All costs for parts and materials will be covered through the program funds. Example service include:
 - 3.6.1. Taking the vehicle into a local dealership for regular service
 - 3.6.2. Refilling tires if they are low on air pressure
 - 3.6.3. Jumping a vehicle in cases where the 12-volt battery dies
- 4. **Compensation and Cost Share.**
 - 4.1. **Compensation and Schedule.**
 - 4.1.1. Forth will provide payment to Site Owner of \$150 per month per vehicle for completion of Site Owner Deliverables (Tasks 3.5 and 3.6). Payment for these services will occur on a quarterly basis.
 - 4.2. **Cost Share.** Site Owner agrees to commit an in-kind cost share for the Project of at least \$5,812 (a "Cost Share") during the Term.
 - 4.2.1. This in-kind contribution can be (but not limited to): Annual value of parking space reserved for carshare vehicles (park space rental), Site Owner staff time used towards this program, or any materials produced related to the program.
 - 4.2.2. If Site Owner receives incentives, rebates, or payments from Utility, Municipality, or another entity for charging hardware and/or installation, Site Owner will either name Forth as the direct beneficiary (e.g. payment goes directly to Forth) or reimburse Forth for the amount of the rebate or incentive.
 - 4.2.2.1. Forth will assist site owners in the application process to acquire these funds when needed.
 - 4.2.2.2. External incentive funds will be excluded from the Site Owner's Cost Share contribution identified in 4.2.1
 - 4.2.2.3. If Site Owner receives funds directly, they shall provide payment to Forth within 30 days of receiving payment from the funding entity.

5. General

- 5.1. **Term.** The term of this Agreement begins on the Effective Date and ends on March 31, 2025 (the “Term”). Any changes in the Term will be agreed upon in writing by Forth and Site Owner.
- 5.2. **Parties.**
- 5.2.1. “Forth” may cause any employee of Forth or any third party contracted by Forth to fulfill any of the responsibilities, liabilities, or deliverables specified in this Agreement or necessary to complete the Project.
- 5.2.2. “Site Owner” may cause any staff of the Site Owner, or any third party contracted by Site Owner to deliver services (such as a Property Manager) on behalf of the Site Owner.
- 5.3. **Publicity.** Site Owner shall provide Forth unlimited rights to take, use and publish photographs of the Stations and Host Site, which may be included on printed materials or posted on websites in connection with the Project. Forth and other Project partner logos and branding may not be used or modified without Forth’s prior approval.
- 5.4. **General Liability Insurance.** Site Owner shall, at its sole cost and expense, throughout the Term maintain commercial general liability insurance (including contractual liability coverage) with a minimum limit of \$1,000,000 per occurrence and \$2,000,000 annual aggregate for property damage, personal injury, and bodily injury (including wrongful death) occurring on or about the Host Site and the Stations and insuring against any and all liability arising out of Site Owner’s ownership of the Host Site, insuring on an occurrence basis.
- 5.5. **Indemnification.** Site Owner and Forth agree to indemnify and hold each other, and the officers, directors, trustees, employees, agents and affiliates of each other harmless from and against any and all claims, actions, proceedings, costs, liabilities, losses and expenses (including, but not limited to, attorneys’ fees) suffered or incurred by the indemnified parties and/or third parties resulting from or arising out of the indemnifying party’s negligent or intentional acts which result in damage to property or injury to person.
- 5.6. **Failure to Comply with Terms of the Program.** In the event that Site Owner fails to comply with any term in this Agreement, Forth shall provide a written notice requesting that the Site Owner address the issue to comply with the Agreement terms. If Site Owner is not in compliance with the Agreement terms within thirty (30) days after delivery of such notice from Forth, Forth reserves the right to repossess the Stations , vehicles, and any other equipment or property provided and to terminate this Agreement.

- 5.7. **Termination for other reasons.** Forth reserves the right to terminate this Agreement upon thirty (30) days' prior written notice to Site Owner for failure to secure a continuation application from the Department of Energy for future funding (Budget Periods 2 and/or 3) or site assessments for installation of Stations coming in outside of a reasonable budget (of Forth's discretion), or for any other matter outside of Forth's control or which materially adversely affects the ability of Forth to perform this Agreement. In cases where Stations are already installed, ownership of Stations will transfer to the Site Owner upon termination of this Agreement under this Section.
- 5.8. **No Amendment or Modification.** No modification, amendment or waiver of this Agreement shall be effective unless in writing and either signed or electronically accepted by Forth and the Site Owner.
- 5.9. **Waiver.** Either Party's failure at any time to require the other Party's performance of any obligation under this Agreement will in no way affect the full right to require such performance at any time thereafter. Either Party's waiver of a breach of any provision of this Agreement will not constitute a waiver of the provision itself. Either Party's failure to exercise any of its rights provided in this Agreement will not constitute a waiver of such rights.
- Applicable law.** This Agreement will be construed, and performance will be determined, according to the laws of the State of Washington without reference to such state's principles of conflicts of law. Installation of the Station, and its operation, and operation of the carshare vehicle will be conducted in compliance with all local, State of Washington, and federal laws and regulations.
- 5.10. **Assignment.** Site Owner may not assign any of its rights or obligations under this Agreement, whether by operation of law or otherwise, without the prior written consent of Forth. If Site Owner transfers the Host Site to a third party, Forth shall have the option to remove the Stations from the Host Site and terminate this Agreement.
- 5.11. **Priority.** To the extent of any conflict or inconsistency between the terms and conditions of this Agreement and any other Project document, this Agreement shall prevail.
- 5.12. **No Property Interest.** This Agreement has granted Forth a license to use the Host Site as described herein, and in no way grants Forth any property interest in the Host Site or any other property owned by Site Owner. Nothing in this Agreement, including the payment of money or lapse of time, is intended to convey any property interest at the Host Site to Forth.

- 5.13. **Notices.** Notices regarding the terms and conditions under this Agreement shall be in writing and shall be considered effective (i) upon personal delivery to the individuals noted below, (ii) one business day after deposit with an overnight courier to the address listed below, (ii) three business days after deposit with the United States Mail, certified, return-receipt requested, or (iii) upon delivery by email with confirmation of receipt:

Forth, an Oregon nonprofit corporation

City of White Salmon, a Washington
Municipal Corporation

By:
(signature)

By:
(signature)

Name: Stefenie Griggs

Name: Marla Keethler

Title: Program Manager

Title: Mayor

Date:

Date:

Address: 2035 NW Front Ave #101,
Portland, OR 97209

Address: 100 N Main Ave, White Salmon,
WA 98672

Email: stefenieg@forthmobility.org

Email: mayor@ci.white-salmon.wa.us

Phone: (503) 724-8670

Phone: 509-493-1133 x206

EXHIBIT A

Site Plan and Location of Stations

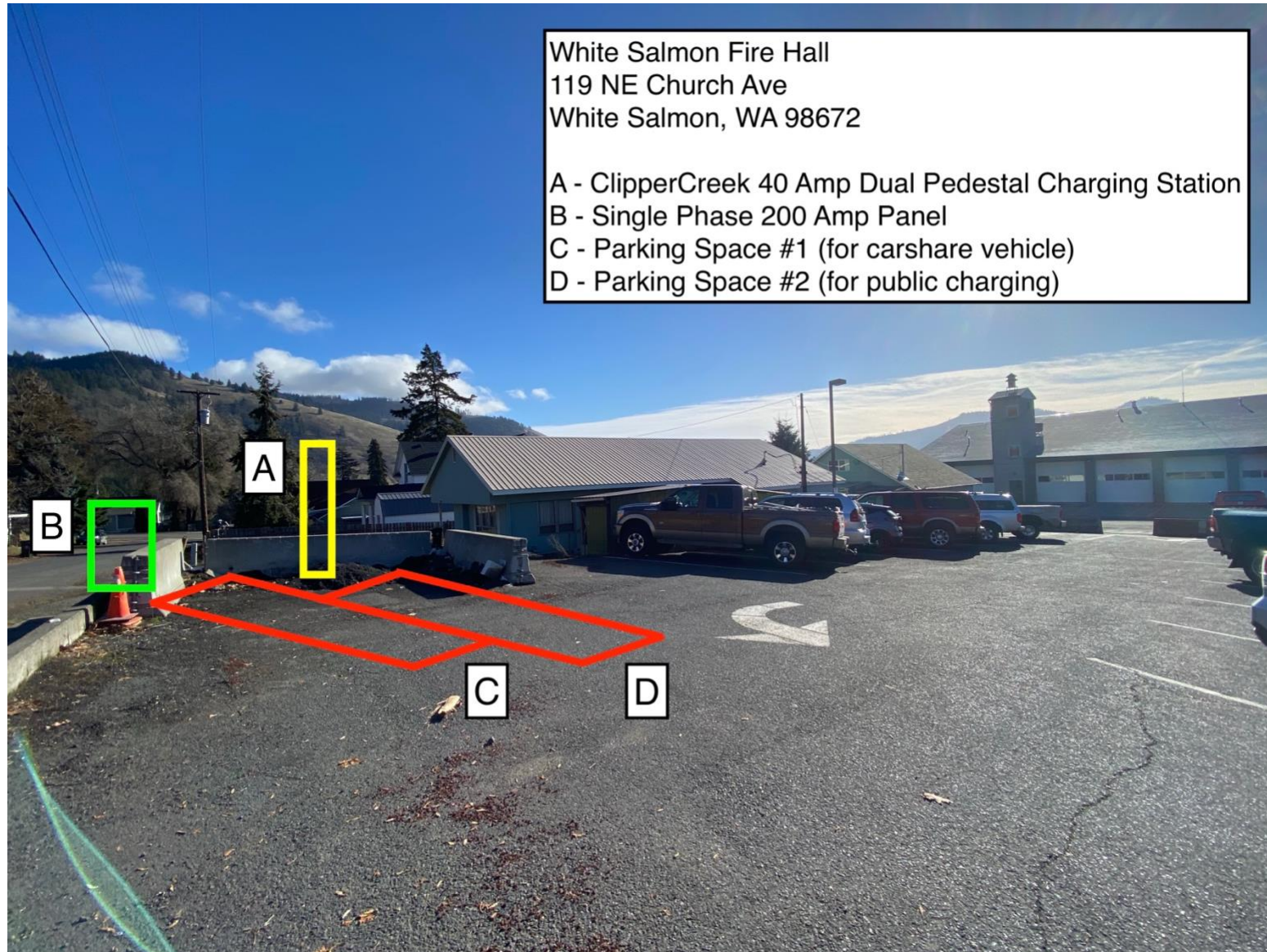


EXHIBIT B

Station Product Specifications

OpConnect HCS-X (40/50/60/80A)



The HCS-X (available in 40/50/60/80A) is a reliable, cost-effective Level 2 charger that operates on 208 three-phase or 240 single-phase Vac and delivers up to 15.3 kW while charging. OpConnect has worked with Clipper Creek to internally network these stations with software to meet smart charging needs. The 25-ft cord provides ample reach for convenient charging. The unit is designed to take the wear and tear of everyday use. The NEMA-4 watertight, rugged enclosure provides safe outdoor installation and protection. It can be wall or pedestal mounted (in dual or quad mount configurations).

KEY FEATURES

- Three-year parts warranty
- Full network capabilities including session data, collecting revenue from drivers, reservations, load management and mobile application (iOS and Android)
- OCPP 1.6/2.0 compliant
- Indoor/outdoor rated fully sealed (NEMA 4) enclosure
- Operating temperatures: -22°F to 122°F (-30°C to 50°C)
- ETL, cETL Listed, ENERGYSTAR
- SAE J1772 compliant
- Optional Cable Management available
- Optional RFID Reader for access control and payment
- Hardware conforms with ADA requirements

TECHNICAL SPECIFICATIONS

Spec	HCS-40/50/60/80
Charging Power	32 Amp / 40 Amp / 48 Amp / 64 Amp
Product Dimensions	19.7"L x 8.9"W x 5.3"D
Output Power (kW)	7.7 kW / 9.6 kW / 11.5 kW / 15.4 kW
Installation	Hardwired (3 foot service whip provided)
Supply Circuit	208/240V, 40/50/60/80A
Warranty	3 years
Charge Cable Length	25 feet
Vehicle Connector Type	Lockable SAE J1772
Accessories Included	SAE J1772 Connector Holster (wall mount); Connector Lock and Keys
Enclosure	Fully Sealed NEMA 4
Environment Rating	Indoor/Outdoor rated
Operating Temperature	-22°F to 122°F (-30°C to +50°C)
Certifications	ETL, cETLus, ENERGYSTAR
Country of Origin	United States of America
Networking Connectivity	Cellular, Ethernet, Wi-Fi, Bluetooth
Codes and Standards	OCPP 1.6J and OpenADR 2.0b compliant

*The HCS family line also comes in a range of power outputs (40/50/60/80A)

Network Specifications

Support Systems	Level 1, Level 2, and DCFC Charging Stations
Smart Phone (iOS and Android) Mobile Application for drivers	
Integration with utility customer management system	
Station owners can have chargers from multiple manufacturers at one site and manage under one platform	
Email and text notifications when charging complete (to drivers)	
Round robin reservation system with notifications to next driver in the queue	
Station owner dashboard	
View real-time charging station status	
View and download usage and revenue reports	
Schedule automatic e-mail delivery of usage and revenue reports	
View open maintenance and support tickets for your chargers (receive e-mail service tickets)	
Flexible Access Control	
Restrict access to authorized users only (e.g. employees only)	
Charge different usage rates for different users (e.g. employees charge for free)	
Station owner can set own rates and update any time with web portal	
Time-of-day rates with weekday vs weekend rates	
Time span rates (e.g. costs increase after a certain time period to increase station turnover)	
Support for credit cards, OpConnect card, Smartphone app	
Portal Administration Functions	
Multiple access levels (Company Admin, User, Maintenance, etc.)	
Data views and ability to control chargers (set rate plans, restrict usage, etc.)	
Load Management	
Load sharing on single circuit breaker or entire load source	
Minimum load per charger 8/10/12/16 amps for HCS-40/50/60/80	

EXHIBIT C

Underlying Contract (Zero-emissions Access Program Grant Agreement)



**Washington State
Department of Transportation**

Innovative Partnerships
310 Maple Park Avenue S.E.
P.O. Box 47395
Olympia, WA 98504-7395

WSDOT Contact: Emily Geraldts

GeraldE@wsdot.wa.gov

Zero-emissions Access Program Grant Agreement			
Agreement Number:	PTD0572	Contractor:	Forth Mobility Fund
Term of Operating & Planning Project:	July 1, 2022 through June 30, 2023	Address:	2035 NW Front Avenue Portland, OR 97209
Term of Capital Project:	July 1, 2022 through the useful life of the vehicle & equipment		
UPIN:	PTD572A; PTD572B; PTD572C		
Vendor #:	SWV0286427-00	Contact:	Connor Herman connorh@forthmobility.org

THIS AGREEMENT, entered into by the Washington State Department of Transportation, hereinafter "WSDOT," and the Contractor identified above, hereinafter the "CONTRACTOR," individually the "PARTY" and collectively the "PARTIES."

WHEREAS, RCW 47.04.355 establishes the state's leadership role, and the requirements and parameters to coordinate the development and implementation of the Statewide clean alternative fuel car sharing pilot program - Zero-emissions Access Program (ZAP)

WHEREAS, the State of Washington in its Sessions Laws of 2021, Chapter 333 Section 220 authorizes funding for Public Transportation Programs and other special proviso funding as identified in the budget through its 2021-2023 biennial appropriations to WSDOT; and

WHEREAS, the TRANSIT AGENCY has requested funds for the above shown project or program, which has been selected by WSDOT for funding assistance; and

NOW THEREFORE, in consideration of the terms, conditions, covenants, and performances contained herein, or attached and incorporated and made a part hereof, IT IS MUTUALLY AGREED AS FOLLOWS:

Section 1 SCOPE OF WORK AND BUDGET

Project Costs	
State Funds	\$ 439,381.00
<i>Total Grant Funds</i>	<i>\$ 439,381.00</i>
Contractor's Funds	\$ 933,000.00
<i>Total Project Cost</i>	<i>\$ 1,372,381.00</i>

Funding by Project

Project A Bingen-White Salmon GoForth CarShare

UPIN # PTD572A

Service Area Klickitat County

Scope of Work: Expand the GoForth CarShare program to serve the Washington side of the Columbia River Gorge. The project will purchase two (2) vehicles, purchase and install vehicle charging infrastructure, set the vehicles up on GoForth CarShare platform, and deploy one in the communities of Bingen and White Salmon.

Fund Source	Percentage	Current Funds	Total Project Funds
ZAP	89%	\$ 182,381.00	\$ 182,381.00
Contractor Funds	11%	\$ 23,000.00	\$ 23,000.00
Total Project Cost	100%	\$ 205,381.00	\$ 205,381.00

Budget: Current Funds reflect total funding appropriated by the Washington State Legislature for the Project in the 2021-2023 biennium.

Project B King County Housing Authority Transportation Needs Assessment

UPIN # PTD572B

Service Area King County

Scope of Work: Conduct a Transportation Needs Assessment (TNA) with the King County Housing Authority (KCHA) for the development of a carsharing program in King County. The TNA will assist in choosing two locations to host electric carshare vehicles and chargers, and will include upfront planning and marketing, on-site outreach and community engagement, membership fees, a portion of electric vehicle infrastructure installation, and program management costs.

Fund Source	Percentage	Current Funds	Total Project Funds
ZAP	17%	\$ 107,000.00	\$ 107,000.00
Contractor Funds	83%	\$ 520,000.00	\$ 520,000.00
Total Project Cost	100%	\$ 627,000.00	\$ 627,000.00

Budget: Current Funds reflect total funding appropriated by the Washington State Legislature for the Project in the 2021-2023 biennium.

Project C Seattle Housing Authority Transportation Needs Assessment

UPIN # PTD572C Service

Area King County

Scope of Work: Conduct a Transportation Needs Assessment (TNA) with the Seattle Housing Authority (SHA) for the development of a carsharing program in Seattle. The TNA will assist in choosing three locations to host electric carshare vehicles and chargers, and will include upfront planning and marketing, on-site outreach and community engagement, membership fees, a portion of electric vehicle infrastructure installation, and program management costs.

Fund Source	Percentage	Current Funds	Total Project Funds
ZAP	28%	\$ 150,000.00	\$ 150,000.00
Contractor Funds	72%	\$ 390,000.00	\$ 390,000.00
Total Project Cost	100%	\$ 540,000.00	\$ 540,000.00

Budget: Current Funds reflect total funding appropriated by the Washington State Legislature for the Project in the 2021-2023 biennium.

Section 2
Purpose of Agreement

The purpose of this AGREEMENT is for WSDOT to provide funding to the GRANTEE for the acquisition and operation of equipment to be used in the provision of public car share services that meet the needs of persons in the State of Washington.

On projects where WSDOT is providing only state funds and the GRANTEE is using funds received directly from the federal government as their share or part thereof on the project, the GRANTEE must assume full responsibility for complying with all federal rules and regulations. If the GRANTEE is found in non-compliance with federal rules and regulations, the GRANTEE shall provide a written notification to WSDOT supplying details related to the non-compliance. Both parties will analyze and determine the impact on the scope, schedule, and funding of the project. Remedies required up to and including return of funds will be identified to ensure the project's scope of work is met as intended.

Section 3
Scope of Project

The GRANTEE shall undertake and complete the Project as described and detailed in Section 1. The GRANTEE shall operate the equipment and/or service in the service area as described in Section 1, in accordance with the terms and conditions of this AGREEMENT.

Section 4
General Compliance Assurance

The GRANTEE agrees to comply with all instructions as attached to this agreement in Appendix 1 (the Guidebook) which by this reference is incorporated herein as if fully set forth in this AGREEMENT. The GRANTEE agrees that WSDOT, and/or any authorized WSDOT representative, shall have not only the right to monitor the compliance of the GRANTEE with respect to the provisions of this AGREEMENT but also have the right to seek judicial enforcement with regard to any matter arising under this AGREEMENT.

Section 5
Term of Agreement

The Project period shall begin on the date shown in the caption space header titled "Term of Agreement" and shall continue through the useful life of the Project Equipment regardless of the date of signature and execution of this AGREEMENT unless terminated as provided herein. WSDOT has defined the useful life of vehicles for this program at four (4) years. Equipment (non-vehicles) useful life will be determined by WSDOT taking into consideration the manufacturer's recommended lifecycle.

Section 6
Grantee's Share of Project Costs

- A. The Total Project Cost shall not exceed the amounts detailed in Section 1. The GRANTEE agrees to expend eligible funds, together with any GRANTEE's Funds allocated for the Project, in an amount sufficient to complete the Project. If at any time the GRANTEE becomes aware that the cost of the Project will exceed or be less than the amount identified in Section 1, the GRANTEE shall notify WSDOT in writing within thirty (30) calendar days of making that determination. Nothing in Section 6(A), shall preclude the requirements specified in Section 7(C) for payments at the end of the biennium.

- B. **Minimum Match:** The GRANTEE is required to provide a minimum match of funds for the Project as identified in Section 1.

Section 7

Reimbursement and Payment

- A. State and/ or federal funds shall be used to reimburse the GRANTEE for allowable expenses incurred in completing the Project as described in Section 1. Allowable Project expenses shall be determined by WSDOT as described in the Guidebook. In no event shall the total amount reimbursed by WSDOT exceed the amounts identified in Section 1.
- B. Payment will be made by WSDOT on a reimbursable basis for actual costs and expenditures incurred, while performing eligible direct and related indirect Project work during the life of the Project. Payment is subject to the submission to and approval by WSDOT of properly prepared invoices that substantiate the costs and expenses submitted by GRANTEE for reimbursement. Failure to send in progress reports and financial information as required in Section 12 –Reports may delay payment. The GRANTEE shall submit an invoice detailing and supporting the costs incurred. Such invoices may be submitted no more than once per month and no less than once per year, during the course of this AGREEMENT. If approved by WSDOT, properly prepared invoices shall be paid by WSDOT within thirty (30) days of receipt of the invoice.
- C. **State Fiscal Year End Closure Requirement (RCW 43.88):** The GRANTEE shall submit an invoice for completed work in the same state fiscal period in which the work was performed. As defined in RCW 43.88, the state fiscal period starts on July 1 and ends on June 30 the following year. Reimbursement requests must be received by July 15 of each state fiscal period. If the GRANTEE is unable to provide an invoice by this date, the GRANTEE shall provide an estimate of the expenses to be billed so WSDOT may accrue the expenditures in the proper fiscal period. Any subsequent reimbursement request submitted will be limited to the amount accrued as set forth in this section. Any payment request received after the timeframe prescribed above will not be eligible for reimbursement.
- D. For vehicle purchases, during the useful life of the vehicle, the GRANTEE shall not sell, dispose or implement any modifications to the vehicle without prior approval by WSDOT.

Section 8

Purchases

The GRANTEE shall make purchases of any Project Equipment pursuant to this AGREEMENT through procurement procedures approved in advance in writing by WSDOT. The Guidebook gives procurement procedures meeting state guidelines.

Section 9
Inspection Upon Delivery

The GRANTEE shall inspect any Project Equipment purchased pursuant to this AGREEMENT at the time of delivery to the GRANTEE. The GRANTEE has 15 calendar days from delivery to either accept or reject the Project Equipment. If rejected, the GRANTEE shall provide a written notice specifying the Project Equipment deficiencies to its vendor and WSDOT, allowing the vendor a reasonable amount of time to cure the deficiencies or defect. Upon receipt and acceptance of Project Equipment, the GRANTEE agrees that it has fully inspected the Project Equipment and accepts it as suitable for the purpose under this AGREEMENT, as being in good condition and state of good repair and that the GRANTEE is satisfied with the Project Equipment and that the Project Equipment complies with all applicable regulations, rules, and laws.

Payment to the vendor must occur within thirty (30) calendar days of the Project Equipment acceptance.

Section 10
Insurance

- A. The GRANTEE shall maintain a minimum of \$1,000,000 in liability insurance per occurrence and full comprehensive and collision insurance for vehicles, and property insurance for non-vehicle equipment adequate to cover the value of the Project Equipment; the GRANTEE shall supply a copy of the Certificate of Insurance specifying such coverage to WSDOT before car share vehicles are placed in operation, and supply proof of renewal, annually thereafter until the vehicle depreciates fully, four (4) years after purchase.
- B. To the fullest extent permitted by law, the grantee will indemnify, defend, and hold harmless the State of Washington, WSDOT, agencies of the State and all officials, agents, and employees of the state for, from and against all claims for injuries or death arising out of or resulting from the ZAP-funded car share project.

Section 11
Loss or Damage to Project Equipment

- A. The GRANTEE, at its own expense, shall cover any loss, theft, damage, or destruction of the Project Equipment using either of the following methods:
 - 1. The GRANTEE shall maintain comprehensive and collision insurance for vehicles and property insurance for non-vehicle equipment adequate to cover the value of the Project Equipment; the GRANTEE shall supply a copy of the Certificate of Insurance specifying such coverage to WSDOT with the first request for reimbursement, and supply proof of renewal, annually thereafter. The GRANTEE is responsible for any insurance claim deductible; or
- B. If the damage to the Project Equipment does not result in a total loss, payments for damage shall be paid directly to the GRANTEE. The GRANTEE is responsible for any insurance claim deductibles. The GRANTEE shall, within thirty (30) days, either:
 - 1. Devote all the insurance proceeds received to repair the Project Equipment and place it back in service, and the GRANTEE shall, at its own expense, pay any portion of the cost of repair which is not covered by insurance; or
- C. If the Project Equipment is a total loss, either by theft or damage, the insurance proceeds or equivalent shall be paid directly to WSDOT. The GRANTEE shall within sixty (60) days of loss, theft, or damage, notify WSDOT that it either:
 - 1. Intends to replace the lost Project Equipment; or
 - 2. Does not intend to replace the lost Project Equipment.

- D. If WSDOT determines that the total loss occurred under circumstances in which the GRANTEE fulfilled its obligations under this AGREEMENT, WSDOT may reimburse the GRANTEE for its proportionate share of the proceeds.
- E. Coverage, if obtained or provided by the GRANTEE in compliance with this section, shall not be deemed as having relieved the GRANTEE of any liability in excess of such coverage as required by the limitation of liability section of this AGREEMENT, or otherwise.

Section 12

Reports

- A. The GRANTEE shall prepare any required quarterly and annual reports regarding services provided pursuant to this AGREEMENT and other related information as prescribed in the Guidebook or as requested by WSDOT. The GRANTEE shall keep satisfactory written records with regard to the use of Project Equipment and shall submit the following reports in a format and at such times as prescribe by WSDOT until the useful life of the Project Equipment expires. Reports describing the current usage of Project Equipment include, but are not limited to:
 - a. Project Passenger Trips Provided
 - b. Project Service Hours Provided
 - c. Narrative Progress Report
 - d. Financial Status/Summaries of the Project.
- B. If the project is receiving Transit Coordination or Regional Mobility grant funds, in addition to the requirements from subsection A, the GRANTEE shall submit a mutually agreeable Performance Measurement Plan to WSDOT.
- C. **Remedies for Misuse or Noncompliance:** If WSDOT determines that the Project has been used in a manner materially different from Section 1, WSDOT may direct the GRANTEE to repay WSDOT the State funded share of the Project. WSDOT may also withhold payments should it determine that the GRANTEE has failed to materially comply with any provision of this AGREEMENT.

Section 13

Assignments and Subcontracts

- A. The GRANTEE shall submit to WSDOT a copy of any contract, amendment, or change order thereto pertaining to this Project for review and documentation. This includes any completed Project facilities and/or infrastructure under this AGREEMENT, or other actions obligating the GRANTEE in any manner with any third party with respect to its rights and responsibilities under this AGREEMENT, including any leasing and/or lending the Project or any part thereof to be used by anyone not under the GRANTEE's direct supervision.
- B. The GRANTEE agrees to include all applicable sections of the AGREEMENT including Sections 10 through 26 and Sections 31 through 32 of this AGREEMENT as well as any other provisions that apply in each subcontract and in all contracts it enters into for the employment of any individuals, procurement of any materials, or the performance of any work to be accomplished under this AGREEMENT.

Section 14

Use of Project Equipment

- A. The GRANTEE agrees that the Project Vehicle or Equipment shall be used for the provision of transportation service within the area described in the caption space header titled "Service Area," for the Project vehicle or equipment's useful life as set forth in Section 5 – "Term of Agreement" of this AGREEMENT. The GRANTEE further agrees that it will not use or permit

the use of the Project Equipment in a negligent manner or in violation of any law, or so as to avoid any insurance covering the same, or permit the Project Equipment to become subject to any lien, charge, or encumbrance. Should the GRANTEE unreasonably delay or fail to use the Project Equipment during the useful life of the Project Equipment, the GRANTEE agrees that it may be required to refund up to the entire amount of the state share expended on the Project. The GRANTEE shall immediately notify WSDOT when any Project Equipment/Vehicle is withdrawn from Project use or when Project Equipment/Vehicle is used in a manner substantially different from that identified in Section 1. If the Project Equipment is permanently removed from transportation service prior to the end of its useful life, the GRANTEE agrees to immediately contact WSDOT for instructions regarding the disposal of the Project Equipment.

- B. Remedies for Misuse or Noncompliance. The GRANTEE shall not use any Project Equipment in a manner materially different from that described in Section 1, and the "Service Area" identified in the AGREEMENT header of this AGREEMENT. If WSDOT determines that Project Equipment has been used in a manner materially different from that described in Section 1 and/or the "Service Area" identified in the caption space header above, WSDOT may direct the GRANTEE to dispose of the Project Equipment acquired by the GRANTEE. WSDOT may also withhold payments should it determine that the GRANTEE has failed to materially comply with any provision of this AGREEMENT.

Section 15

Miscellaneous Charges and Conditions

The GRANTEE shall pay and be solely responsible for all storage charges, parking charges, late fees, and fines, as well as any fees (including vehicle registration, license, safety and emission control inspection fees), and taxes, except applicable state sales or use tax, which may be imposed with respect to the Project Equipment by a duly constituted governmental authority as the result of the GRANTEE's use or intended use of the Project Equipment. Required visual and road test inspection fees on vehicles for acceptance and software licensing use fees are eligible for reimbursement. All replacements, repairs, or substitutions of parts or Project Equipment shall be at the cost and expense of the GRANTEE.

Section 16

Maintenance of Project Equipment

The GRANTEE shall make all necessary repairs and reasonably maintain the Project Equipment to assure it remains in good and operational condition for the useful life of the Project Equipment. The GRANTEE agrees to, at a minimum, service the Project Equipment and replace parts at intervals recommended in the manual provided by the manufacturer of the Project Equipment, or sooner if needed. The GRANTEE shall take the Project Equipment to an appropriate service and repair facility for any service and repair under the manufacturer's warranty, if applicable. WSDOT shall not be liable for repairs. The GRANTEE shall retain records of all maintenance and parts replacement performed on the Project Equipment in accordance with Section 24 - Audits, Inspection, and Retention of Records. The GRANTEE shall provide copies of such records to WSDOT, upon request.

Section 17
Liens on Project Equipment

When the GRANTEE acquires vehicles using state funds provided through WSDOT's grant program, WSDOT may within its discretion, allow the GRANTEE to be listed as the legal owner and hold title. In all cases, WSDOT will maintain a copy of titles for all funded vehicles under this agreement through their useful life.

Section 18
No Obligation by the State Government

No contract between the GRANTEE and its subcontractors shall create any obligation or liability for WSDOT with regard to this AGREEMENT without WSDOT's specific written consent, notwithstanding its concurrence in, or approval of, the award of any contract or subcontract or the solicitations thereof.

Section 19
Personal Liability of Public Officers

No officer or employee of WSDOT shall be personally liable for any acts or failure to act in connection with this AGREEMENT, it being understood that in such matters they are acting solely as agents of WSDOT.

Section 20
Ethics

- A. **Relationships with Employees and Officers of WSDOT.** The GRANTEE shall not extend any loan, gratuity or gift of money in any form whatsoever to any employee or officer of WSDOT, nor shall GRANTEE knowingly rent or purchase any equipment and materials from any employee or officer of WSDOT.
- B. **Employment of Former WSDOT Employees.** The GRANTEE hereby warrants that it shall not employ on a full-time, part-time, or other basis during the period of this AGREEMENT, any professional or technical personnel who are, or have been, at any time during the period of this AGREEMENT, in the employ of WSDOT without written consent of WSDOT.

Section 21
Compliance with Laws and Regulations

The GRANTEE agrees to abide by all applicable state and federal laws and regulations including but not limited to, those concerning employment, equal opportunity employment, nondiscrimination assurances, project record keeping necessary to evidence compliance with such federal and state laws and regulations, and retention of all such records. The GRANTEE will adhere to all applicable nondiscrimination provisions in chapter 49.60 RCW. Except when a federal statute or regulation preempts state or local law, no provision of the AGREEMENT shall require the GRANTEE to observe or enforce compliance with any provision, perform any other act, or do any other thing in contravention of state or local law. If any provision or compliance with any provision of this AGREEMENT violate state or local law or would require the GRANTEE to violate state or local law, the GRANTEE agrees to notify WSDOT immediately in writing. Should this occur, WSDOT and the GRANTEE agree to make appropriate arrangements to proceed with or, if necessary, expeditiously, terminate the AGREEMENT.

Section 22

Environmental Requirements

The GRANTEE agrees to comply with all applicable requirements of chapter 43.21C RCW "State Environmental Policy Act" (SEPA).

Section 23

Accounting Records

- A. **Project Accounts.** The GRANTEE agrees to establish and maintain for the Project either a separate set of accounts or separate accounts within the framework of an established accounting system that can be identified with the Project. The GRANTEE agrees that all checks, payrolls, invoices, contracts, vouchers, orders, or other accounting documents pertaining in whole or in part to the Project shall be clearly identified, readily accessible and available to WSDOT upon request, and, to the extent feasible, kept separate from documents not pertaining to the Project.
- B. **Documentation of Project Costs and Program Income.** The GRANTEE agrees to support all allowable costs charged to the Project, including any approved services contributed by the GRANTEE or others, with properly executed payrolls, time records, invoices, contracts, or vouchers describing in detail the nature and propriety of the charges. The GRANTEE also agrees to maintain accurate records of all program income derived from implementing the Project.

Section 24

Audits, Inspection, and Retention of Records

- A. **Submission of Proceedings, Contracts, Agreements, and Other Documents.** During the term of the Project and for six (6) years thereafter, the GRANTEE agrees to retain intact and to provide comprehensive and collision insurance, and general liability insurance, any data, documents, reports, records, contracts, and supporting materials relating to the Project as WSDOT may require. Project closeout does not alter these recording and record-keeping requirements. Should an audit, enforcement, or litigation process be commenced, but not completed, during the aforementioned six-year period then the GRANTEE's obligations hereunder shall be extended until the conclusion of that pending audit, enforcement, or litigation process.
- B. **General Audit Requirements.** The GRANTEE agrees to obtain any other audits required by WSDOT at GRANTEE's expense. Project closeout will not alter the GRANTEE's audit responsibilities.
- C. **Inspection.** The GRANTEE agrees to permit WSDOT and the State Auditor, or their authorized representatives, to provide oversight and/ or audits on all Project work materials, payrolls, and other data, and to audit the books, records, and accounts of the GRANTEE and its subcontractors pertaining to the Project. The GRANTEE agrees to require each third party to permit WSDOT, and the State Auditor or their duly authorized representatives, to inspect all work, materials, payrolls, and other data and records involving that third party contract, and to audit the books, records, and accounts involving that third party contract as it affects the Project.

Section 25

Labor Provisions

Overtime Requirements. No GRANTEE or subcontractor contracting for any part of the Project work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty (40) hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty (40) hours in such workweek. GRANTEE will comply with all applicable provisions of Title 49 RCW, Labor Regulations.

Section 26

Changed Conditions Affecting Performance

The GRANTEE hereby agrees to immediately notify WSDOT of any change in conditions or law, or of any other event, which may affect its ability to perform the Project in accordance with the provisions of this AGREEMENT.

Section 27

Coordination of Special Needs Transportation

It is the policy of WSDOT to actively support coordination of special needs transportation in the state. As a condition of assistance, the GRANTEE is required to participate in local coordinated planning as led by GRANTEE's relevant Metropolitan Planning Organization (MPO) and/or Regional Transportation Planning Organization (RTPO). Persons with special transportation needs means those persons, including their personal attendants, who because of physical or mental disability, income status, or age are unable to transport themselves or purchase transportation.

Zero-emissions Access Program, Transit Projects and Regional Mobility Grant funded projects are explicitly excluded from the provisions of Section 27 – Coordination of Special Needs Transportation.

Section 28

Disputes

- A. **Disputes.** Disputes, arising in the performance of this AGREEMENT, which are not resolved by agreement of the PARTIES, shall be decided in writing by the WSDOT Public Transportation Division Assistant Director or designee. This decision shall be final and conclusive unless within ten (10) days from the date of GRANTEE's receipt of WSDOT's written decision, the GRANTEE mails or otherwise furnishes a written appeal to the Director of the Public Transportation Division or the Director's designee. The GRANTEE's appeal shall be decided
- B. in writing by the Director of the Public Transportation Division within thirty (30) days of receipt of the appeal by the Director of the Public Transportation Division or the Director's designee. The decision shall be binding upon the GRANTEE and the GRANTEE shall abide by the decision.
- C. **Performance During Dispute.** Unless otherwise directed by WSDOT, GRANTEE shall continue performance under this AGREEMENT while matters in dispute are being resolved.
- D. **Claims for Damages.** Should either PARTY to this AGREEMENT suffer injury or damage to person, property, or right because of any act or omission of the other PARTY or any of that

PARTY's employees, agents or others for whose acts it is legally liable, a claim for damages therefore shall be made in writing to such other PARTY within thirty (30) days after the first observance of such injury or damage.

- E. **Rights and Remedies.** All remedies provided in this AGREEMENT are distinct and cumulative to any other right or remedy under this document or afforded by law or equity, and may be exercised independently, concurrently, or successively and shall not be construed to be a limitation of any duties, obligations, rights and remedies of the PARTIES hereto. No action or failure to act by WSDOT or GRANTEE shall constitute a waiver of any right or duty afforded any of them under this AGREEMENT, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach thereunder, except as may be specifically agreed in writing.

Section 29

Termination

- A. **Termination for Convenience.** WSDOT and/or the GRANTEE may suspend or terminate this AGREEMENT, in whole or in part, and all or any part of the financial assistance provided herein, at any time by written notice to the other PARTY. WSDOT and the GRANTEE shall agree upon the AGREEMENT termination provisions including but not limited to the settlement terms, conditions, and in the case of partial termination the portion to be terminated. Written notification must set forth the reasons for such termination, the effective date, and in case of a partial termination the portion to be terminated. However if, in the case of partial termination, WSDOT determines that the remaining portion of the award will not accomplish the purposes for which the award was made, WSDOT may terminate the award in its entirety. The PARTIES may terminate this AGREEMENT for convenience for reasons including, but not limited to, the following:
1. The requisite funding becomes unavailable through failure of appropriation or otherwise;
 2. WSDOT determines, in its sole discretion, that the continuation of the Project would not produce beneficial results commensurate with the further expenditure of funds;
 3. The GRANTEE is prevented from proceeding with the Project as a direct result of an Executive Order of the President with respect to the prosecution of war or in the interest of national defense; or an Executive Order of the President or Governor of the State with respect to the preservation of energy resources;
 4. The GRANTEE is prevented from proceeding with the Project by reason of a temporary preliminary, special, or permanent restraining order or injunction of a court of competent jurisdiction where the issuance of such order or injunction is primarily caused by the acts or omissions of persons or agencies other than the GRANTEE; or
 5. The State Government determines that the purposes of the statute authorizing the Project would not be adequately served by the continuation of financial assistance for the Project;
 6. In the case of termination for convenience under subsections A.1-5 above, WSDOT shall reimburse the GRANTEE for all costs payable under this AGREEMENT that the GRANTEE properly incurred prior to termination. The GRANTEE shall promptly submit its claim for reimbursement to WSDOT. If the GRANTEE has any property in its possession belonging to WSDOT, the GRANTEE will account for the same, and dispose of it in the manner WSDOT directs.
- B. **Termination for Default.** WSDOT may suspend or terminate this AGREEMENT for default, in whole or in part, and all or any part of the financial assistance provided herein, at any time by written notice to the GRANTEE, if the GRANTEE materially breaches or fails to perform any of the requirements of this AGREEMENT, including:
1. Takes any action pertaining to this AGREEMENT without the approval of WSDOT, which under the procedures of this AGREEMENT would have required the approval of WSDOT;

2. Jeopardizes its ability to perform pursuant to this AGREEMENT, United States of America laws, Washington state laws, or local governmental laws under which the GRANTEE operates;
 3. Abuses or misuses the Project Equipment, including, but not limited to:
 - a. Failure to maintain the Project Equipment according to the manufacturer's standards;
 - b. Failure to repair damages or replace defective or broken parts in a timely manner;
 - c. Failure to take any necessary and reasonable action which could affect the ability of the Project Equipment to perform its designated function or takes any action which could shorten its useful life for Project use or otherwise; or
 - d. Failure to make reasonable and appropriate use of the Project real property, facilities, or equipment.
 4. Fails to make reasonable progress on the Project or other violation of this AGREEMENT that endangers substantial performance of the Project; or
 5. Fails to perform in the manner called for in this AGREEMENT or fails, to comply with, or is in material violation of, any provision of this AGREEMENT. WSDOT shall serve a notice of termination on the GRANTEE setting forth the manner in which the GRANTEE is in default hereunder. If it is later determined by WSDOT that the GRANTEE had an excusable reason for not performing, such as events which are not the fault of or are beyond the control of the GRANTEE, such as a strike, fire or flood, WSDOT may: (a) allow the GRANTEE to continue work after setting up a new delivery of performance schedule, or (b) treat the termination as a termination for convenience.
- C. WSDOT, in its sole discretion may, in the case of a termination for breach or default, allow the GRANTEE ten (10) business days, or such longer period as determined by WSDOT, in which to cure the defect. In such case, the notice of termination will state the time period in which cure is permitted and other appropriate conditions. If the GRANTEE fails to remedy to WSDOT's satisfaction the breach or default within the timeframe and under the conditions set forth in the notice of termination, WSDOT shall have the right to terminate this AGREEMENT without any further obligation to GRANTEE. Any such termination for default shall not in any way operate to preclude WSDOT from also pursuing all available remedies against GRANTEE and its sureties for said breach or default.
- D. In the event that WSDOT elects to waive its remedies for any breach by GRANTEE of any covenant, term or condition of this AGREEMENT, such waiver by WSDOT shall not limit WSDOT's remedies for any succeeding breach of that or of any other term, covenant, or condition of this AGREEMENT.
- E. If this AGREEMENT is terminated, whether for convenience or for default, before the specified end date set forth in the caption header, "Term of Agreement", WSDOT and the GRANTEE shall execute an amendment to this AGREEMENT identifying the termination date and the reason for termination.

Section 30

Forbearance by WSDOT Not a Waiver

Any forbearance by WSDOT in exercising any right or remedy hereunder, or otherwise afforded by applicable law, shall not be a waiver of or preclude the exercise of any such right or remedy.

Section 31

Lack of Waiver

In no event shall any WSDOT payment of grant funds to the GRANTEE constitute or be construed as a waiver by WSDOT of any GRANTEE breach, or default. Such payment shall in no way impair or prejudice any right or remedy available to WSDOT with respect to any breach or default.

Section 32
Limitation of Liability

- A. To the fullest extent permitted by law the GRANTEE shall indemnify, defend, and hold harmless WSDOT, its agents, employees, and officers and process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages, or costs (hereinafter referred to collectively as "claims"), of whatsoever kind or nature brought against WSDOT arising out of, in connection with or incident to the execution of this AGREEMENT and/or the GRANTEE's performance or failure to perform any aspect of this AGREEMENT. This indemnity and defense provision applies to all claims against WSDOT, its agents, employees and officers arising out of, in connection with or incident to the negligent acts or omissions of the GRANTEE, its agents, employees, officers and subcontractors of any tier. Provided, however, that nothing herein shall require the GRANTEE to indemnify, defend, and hold harmless or defend WSDOT, its agents, employees or officers to the extent that claims are caused by the sole negligent acts or omissions of WSDOT, its agents, employees or officers; and provided further that if such claims result from the concurrent negligence of (a) the GRANTEE its employees, agents, officers or contractors and (b) the STATE, its employees or authorized agents, or involves those actions covered by RCW 4.24.115, the indemnity and defense provisions provided herein shall be valid and enforceable only to the extent of the negligence of the PARTY, its employees, officers, authorized agents, and/or contractors. The indemnification and hold harmless provision shall survive termination of this AGREEMENT.
- B. The GRANTEE shall be deemed an independent contractor for all purposes, and the employees of the GRANTEE or its subcontractors and the employees thereof, shall not in any manner be deemed to be the employees of WSDOT.
- C. The GRANTEE agrees that its obligations under this AGREEMENT extend to any claim, demand, and/or cause of action by, or on behalf of its employees or agents while performing under this AGREEMENT. For this purpose, the GRANTEE, by MUTUAL NEGOTIATION, hereby waives any immunity that would otherwise be available to it against such claims under the Industrial Insurance provisions in Title 51 RCW.
- D. In the event either the GRANTEE or WSDOT incurs attorney's fees, costs or other legal expenses to enforce the provisions of this section of this AGREEMENT against the other PARTY, all such fees, costs and expenses shall be recoverable by the prevailing PARTY.

Section 33
Agreement Modifications

Either PARTY may request changes to this AGREEMENT. Any changes to the terms of this AGREEMENT must be mutually agreed upon and incorporated by written amendment to this AGREEMENT. Such written amendment to this AGREEMENT shall not be binding or valid unless signed by the persons authorized to bind from each of the PARTIES. Provided, however, that changes to the federal award identification number, DUNS, project title, federal ID number, CFDA number, milestones, UPIN the contact person of either PARTY, or dollar amount changes that do not affect the project total cost, will not require a written amendment, but will be approved and documented by WSDOT through an administrative revision. WSDOT shall notify the GRANTEE of the revision in writing.

Section 34 WSDOT Advice

The GRANTEE bears complete responsibility for the administration and success of the Project as defined by this AGREEMENT and any amendments thereto. If the GRANTEE solicits advice from WSDOT on problems that may arise, the offering of WSDOT advice shall not shift the responsibility of the GRANTEE for the correct administration and success of the Project, and WSDOT shall not be held liable for offering advice to the GRANTEE.

Section 35 Venue and Process

In the event that either PARTY deems it necessary to institute legal action or proceedings to enforce any right or obligation under this AGREEMENT, the PARTIES hereto agree that any such action shall be initiated in the Superior Court of the State of Washington situated in Thurston County. The PARTIES agree that the laws of the State of Washington shall apply.

Section 36 Subrogation

- A. **Prior to Subrogation.** WSDOT may require the GRANTEE to take such reasonable action as may be necessary or appropriate to preserve the GRANTEE's right to recover damages from any person or organization alleged to be legally responsible for injury to the Project Equipment or other property in which WSDOT has a financial interest.
- B. **Subrogation.** WSDOT may require the GRANTEE to assign to WSDOT all right of recovery against any person or organization for loss, to the extent of WSDOT's loss. Upon assignment, the GRANTEE shall execute, deliver, and do whatever else reasonably necessary to secure WSDOT's rights. The GRANTEE shall do nothing after any loss to intentionally prejudice the rights of WSDOT.
- C. **Duties of the GRANTEE.** If WSDOT has exercised its right of subrogation, the GRANTEE shall cooperate with WSDOT and, upon WSDOT's request, assist in the prosecution of suits and enforce any right against any person or organization who may be liable to WSDOT due to damage of Project Equipment. The GRANTEE shall attend hearings and trials as requested by WSDOT, assist in securing and giving evidence as requested by WSDOT, and obtain the attendance of witnesses as requested by WSDOT.

Section 37 Counterparts

This AGREEMENT may be simultaneously executed in several counterparts, each of which shall be deemed to be an original having identical legal effect.

Section 38 Complete Agreement

This document contains all covenants, stipulations, and provisions agreed upon by the PARTIES. No agent or representative of WSDOT or the GRANTEE has authority to make, and neither WSDOT nor the GRANTEE shall be bound by or be liable for, any statement, representation, promise or agreement not set forth herein or made by written amendment hereto.

Section 39
Severability

If any covenant or provision of this AGREEMENT shall be adjudged void, such adjudication shall not affect the validity or obligation of performance of any other covenant or provision, or any part thereof, which in itself is valid if such remainder conforms to the terms and requirements of applicable law and the intent of this AGREEMENT. No controversy concerning any covenant or provision shall delay the performance of any other covenant or provision except as herein allowed.

Section 40
Order of Precedence

Any conflict or inconsistency in this AGREEMENT and its attachments will be resolved by giving documents precedence in the following order:

1. State law
2. This Agreement
3. The Guidebook, attached as Appendix 1

Section 41
Execution

This AGREEMENT is executed by the Director, Innovative Partnerships Division, State of Washington, Department of Transportation or the Director's designee, not as an individual incurring personal obligation and liability, but solely by, for and on behalf of the State of Washington, Department of Transportation, in the capacity as Director, Innovative Partnerships Division, or as a designee.

Section 42
Agreement Close Out

The GRANTEE shall notify WSDOT if the AGREEMENT is completed prior to the end date set forth in the caption header, "Term of Agreement" by written notification and in its capital Quarterly Progress Report, as referenced in the Guidebook, in which the project is completed. WSDOT will prepare an amendment to modify the AGREEMENT to reflect the actual amount spent and the Project completion date.

Section 43
Binding Agreement

The undersigned acknowledge that they are authorized to execute this AGREEMENT and bind their respective agency(ies) and or entity(ies) to the obligations set forth herein.


IN WITNESS WHEREOF, the PARTIES hereto have executed this AGREEMENT the day and year signed last below.

WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION

GRANTEE



Anthony Buckley, Director
Innovative Partnerships Division



Authorized Representative

Executive Director
Title

Jeff Allen
Print Name

21, September 2022
Date

9/2/2022
Date

ZERO-EMISSIONS ACCESS PROGRAM GRANT

Appendix 1: Guidebook

Eligible Vehicle Types

New and leased zero-emissions vehicles (e.g., battery electric vehicles).

Procurement

Grantees must follow their agency's written procurement procedures for all purchases using ZAP funds. In addition, all purchases must include a competitive solicitation process. For zero-emissions vehicles, a minimum of three quotes from eligible vendors should be considered prior to selecting a preferred vendor. All procurements must include a price analysis to document that the purchase price was fair and reasonable. Purchase of service contracts or lease agreements must also be competitively awarded. Grantees are responsible for holding title to purchased vehicles.

Acceptance of Purchased Vehicles and Equipment

Grantees must inspect any Project Equipment at the time of delivery to the Grantee. The Grantee has 15 calendar days from delivery to either accept or reject the Project Equipment. If rejected, the Grantee provides a written notice specifying the Project Equipment deficiencies to its vendor and WSDOT, allowing the vendor a reasonable amount of time to cure the deficiencies or defect. Upon receipt and acceptance of Project Equipment, the Grantee agrees that it has fully inspected the Project Equipment and accepts it as suitable for the purpose under the ZAP project, as being in good condition and state of good repair and that the Grantee is satisfied with the Project Equipment and that the Project Equipment complies with all applicable regulations, rules, and laws. Payment to the vendor must occur within thirty (30) calendar days of the Project Equipment acceptance.

As part of reimbursement requests under the ZAP program, Grantees will submit copies of the following documents:

1. Vendor invoice
2. Copy of vehicle acceptance letter to vendor
3. Vehicle Registration Certificate
4. Post-delivery Purchaser's Requirements Certification
5. Post-delivery Federal Motor Vehicle Safety Standards (FMVSS) compliance certification
6. Vehicle Documentation & Visual Inspection Form (signed and dated with Results for every Item (or N/A))
7. Road Test Form (signed and dated with Results for every Item (or N/A))
8. Proof of insurance

Insurance

Grantees must show proof of insurance before carshare vehicles are placed in operation. Minimum insurance requirements are \$1,000,000 in liability insurance per occurrence and full

comprehensive and collision coverage. WSDOT recommends personal injury protection insurance for the driver. Grantees will provide WSDOT copies of insurance coverage for the useful life of the vehicles while they are used by the carshare program.

Prepaid insurance is a reimbursable expense for the term of the grant period. If a carshare project ends before the term of the prepaid insurance ends, the grantee is responsible for reimbursing WSDOT for the prorated monthly rate of unused insurance.

The Grantee is responsible for any insurance claim deductibles.

To the fullest extent permitted by law, the Grantee will indemnify, defend, and hold harmless the state of Washington, WSDOT, agencies of the state, and all officials, agents and employees of the state for, from and against all claims for injuries or death arising out of or resulting from the ZAP-funded carshare project.

Eligible Construction/Equipment Installation

Eligible capital construction projects could include, but are not limited to:

- Electrical upgrades and or updates.
- Electric vehicle systems equipment and mounting hardware installation.
- Electrical meter installation for charging stations.
- Electric vehicle charging station pedestal construction.

Grantees must construct/install all necessary project equipment in compliance with local, state, and federal requirements, and according to any access / right of way requirements related to the location of the equipment. Grantees are responsible for securing applicable local, state, and federal permits and other approvals that may be necessary to implement the project, including any real estate agreements, building permits, electrical permits, environmental reviews, etc. As part of reimbursement requests under the ZAP program, Grantees will submit copies of permits and approvals that were required for the project as supporting documentation.

Financial Management

Grantees must comply with all provisions of the [State Administrative & Accounting Manual \(SAAM\)](#) in administering funds awarded under the ZAP program.

Grantees are responsible for making payment to vendors in a timely manner.

Vehicle and Equipment Maintenance

Grantees are expected to maintain project vehicles, charging infrastructure and equipment in a state of good repair. WSDOT reserves the right to complete an audit at any time for the duration of the grant agreement.

Use of Project Vehicles and Equipment

Property bought with ZAP grant funds by non-governmental organizations must be used only for the carshare program. All project equipment must be used for its intended purpose for the duration of the grant agreement.

Disposition of grant funded vehicles and equipment at the end of the grant period

If the property is sold, the proceeds must be used for the carshare program only. At the end of the ZAP-funded carshare, non-governmental organizations that wish to keep any property purchased with state funds must reimburse the state the fair market value of the property at that time, using straight line depreciation based on the age and useful life of the vehicle. All proceeds from disposal of ZAP-funded carshare equipment at the end of the ZAP-funded carshare shall be returned to the state.

Reporting Requirements

Grantees will provide quarterly progress reports to WSDOT and will submit a final report on the ZAP-funded carshare at the end of the grant period. The final report will list the number of trips, the vehicle miles traveled during the grant period of the carshare, and metrics on registered users.

Third Party Contracting

If a grantee contracts with a third-party for goods or services with the intent to be reimbursed with ZAP funds, certain clauses from the grant agreement must also be included in the third-party contracts. These include, but are not limited to:

- General compliance assurance requirements.
- Accounting and inspection requirements.
- Labor provisions.

Grantees must submit copies of any third-party operations invoices and contracts to WSDOT as part of supporting documents for reimbursements.

Eligible Operating Expenses

Eligible operating costs include, but are not limited to:

- Planning activities if project delivers an accompanying public benefit by June 2023.
- Education and outreach activities (e.g., events to promote carshare program or train users on use, promotional or instructional materials for carshare, free test drives for new users).
- Translation services to provide EV carshare materials to a broad and diverse population.
- Operational expenses, including utility costs of charging the vehicle.
- Permits for electrical or infrastructure updates required for project.
- Car insurance for carshare vehicles.
- Property insurance to cover project equipment.
- Maintenance of vehicles or chargers.
- Electric vehicle supply equipment subscription service for provider's charging network.
- Onsite carsharing administration and coordination.
- Subcontracts with third-party providers for carshare services such as scheduling and payment systems, driver applications and screenings, maintenance, insurance, and customer service.
- Staff time to plan, implement, and manage infrastructure updates, capital construction, or equipment/vehicle procurement projects.

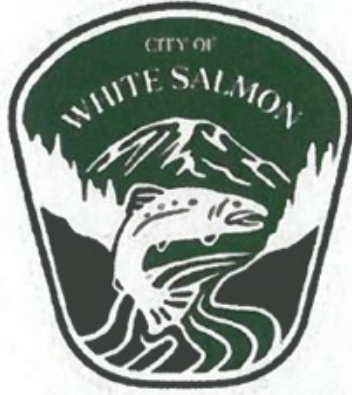
Operating projects may not include costs for depreciation of vehicles purchased with grant funds or costs incurred outside of the grant period (i.e., prepaid insurance coverage).

Administrative overhead costs can be up to 10 percent of total contract expenses. Overhead costs greater than 10 percent must be pre-approved by WSDOT.

Grantees must submit an invoice detailing and supporting the costs incurred to WSDOT as part of supporting documents for reimbursements.

File Attachments for Item:

E. Climate Action Plan - Approval of Proposed Scope of Work (\$0)



Department Head:	SMP
Clerk/Treasurer:	SMP
City Administrator:	A.F.
Mayor:	[Signature]

COUNCIL REPORT



Business Item



Consent Agenda

Needs Legal Review:

Meeting Date:

Agenda Item:

Presented By:

No, unnecessary

March 15, 2023

Approval of Scope of Work – Climate Action Workplan

Stephanie Porter, Clerk Treasurer

Action Required:

Authorize the CityLab Board to move forward with the proposed workplan for the City of White Salmon Climate Action Plan.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to the CityLab Board to move forward with the proposed workplan for the City of White Salmon Climate Action Plan.

Explanation of Issue:

The CityLab Board has provided the attached proposed Workplan for the City of White Salmon Climate Action Plan creation.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Other action as desired by council.

Fiscal Analysis:

Currently no financial implications for this plan. However, as the CityLab Board moves forward, they may request the council approve the hiring of contractors for certain piece of the plan development.

White Salmon Community Climate Action Plan (CAP): *Project Work Plan*

Introduction

The City of White Salmon declared a climate crisis in 2021, recognizing, “*the need to address climate change and climate resiliency,*” and that this duty, “*compels the City of White Salmon to participate in a global effort to rapidly and safely reduce existing greenhouse emissions and excess carbon from the atmosphere; to protect our economy, land, people, and all species.* (Resolution 2021-03-517)” As a first step, the City created an open-member board (CityLab Board) of White Salmon regional residents tasked with considering issues of sustainability, diversity, equity, and inclusivity, to advise municipal policy making. Now, following in the footsteps of hundreds of other local municipalities, White Salmon is looking to form a Climate Action Plan (CAP) in order to set targets related to Greenhouse Gas Emissions (GHG) reductions and improving the city’s resilience to climate related shocks.

The CityLab board is heading up efforts to write this CAP, with the goal of expanding involvement of other everyday residents in the process, and educating and connecting on climate. The following is the proposed Work Plan for this project, including expected participation, gaps, and outcomes of set “deliverables.” The scope of this project is within the city limits of White Salmon, but collaboration and understanding for the surrounding region will naturally be included in the process. The CAP Report is the first step, where we collectively identify the strategy for future planning. As new climate implementation plans are rolled out in the coming years, the City’s plan for how to respond to the ever-evolving climate crisis may change. But if successful, the strategy should remain lasting. As such, this process will require broad community support and adoption to create a lasting strategy rooted in the moral and cultural values of our home.

For More Information:

Visit the CityLab Board Website: www.white-salmon.net/bc/page/citylab-board
(509) 493-1133 | wscitylab@gmail.com | Monthly meetings 4th Tuesday

Project Approach

Being a comparatively small community, White Salmon has agreed to take a novel approach with community-led engagement at its core. The Climate Action Planning process involves multiple stakeholders and work over many months. In the initial brainstorming session, several clear “**deliverables**” — tangible and useful documents that will aid City officials and city residents in taking action on climate — were established (see right). This Project Work Plan is in **Phase A**.

Phase B is focused on auditing the city writ large to set a clear baseline of emission sources and vulnerabilities that can be considered.

Phase C develops proposed solutions, relying on the feedback and information gathered from residents, business owners, leaders, and city officials.

Phase D is implementation focused, with the presentation of findings sparking action into the coming decades and further investigations. The remainder of the project workplan lists the deliverables and their components detailing the format, goals, and timeline on which Project Management plans to complete them.

Our Climate Action Planning Process

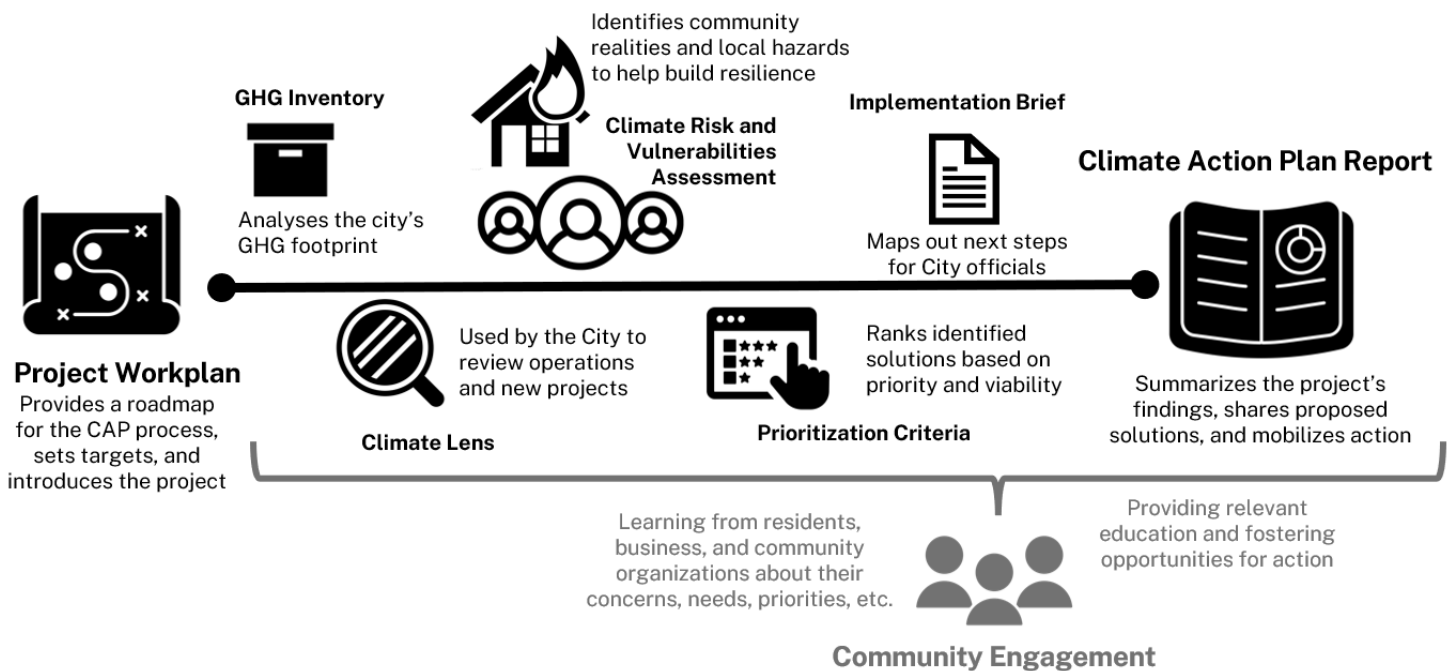


Figure 1: Timeline of CAP Process

Project Management is being directed by **Peter Fink**, with major help from other CityLab members. **Kalama Reuter** is leading the GHG inventory technical investigation with **Ruth Olin**, **Kate Bennett**, and **Jim Ransier**, supporting the CAP process through the CityLab Board. Key assistance on the initial stages of the technical investigation has come from Eric Strid. Staff with the City of White Salmon continue to provide invaluable information and guidance with this process. As the plan develops, additional actors will be invited to join or contribute to sections of the report.

Summary of Requests:

In this Project Workplan, we are requesting support from the City for the following:

- Budgeting 9,000 to 14,000 dollars to hire consultants to
 - translate the CAP Report; and
 - to conduct targeted outreach among White Salmon’s socially disadvantaged communities including the Latinx community
- The creation and usage (with oversight and post-specific pre-review) of social media in the City’s name to better reach constituents with climate education and opportunities to provide input
- Outreach to local organizations, businesses, scientists, and experts to encourage participation in the process and solicit feedback — via communication *by* the City, *in* the City’s *name*, or *mentioning* the City.
- The creation of the CAP Report and associated Annexes and publication on website/webpages associated with the City

Deliverable Tasks:

Climate Lens

Primary Authors: Peter Fink, Kate Bennett

Format: Online checklist/butterfly chart tool

Timeline: Feb-Apr 2023

A climate lens is a tool that decision makers can use to assess the impacts from a climate perspective of ongoing or planned projects. Traditionally this entails two main components:

1. Mitigation — examining the impact on greenhouse gas emissions (i.e., might the project increase or decrease GHGs?) and

2. Adaptation — considering the integrity and efficacy of the project in the face of looming climatic changes (i.e., will this project help prepare us or still be viable amidst increasingly severe weather and climate?)

Several government entities have developed climate lenses. The Government of Canada's *Infrastructure Canada* now requires all applying entities to screen their project through the [Infrastructure Canada Climate Lens](#). Huron County, ON has also developed a [climate lens](#) for officials. In Scotland, a climate lens has been added to their Place Standards Tool, after they adopted a national [place-based](#) working approach in 2015.

The White Salmon climate lens deliverable will first identify *when* it is necessary to apply a climate lens as an official. Most climate lenses rely on a series of questions or checklists to determine eligibility, identifying the climate related components (mitigation and resiliency or adaptation). CAP Project Management (CAP-PM) will work with the City to develop an easy-to-use online tool in the form of an online survey or easily adaptable butterfly-chart that allows decision-makers to apply a climate lens. This will be called the **Climate Lens Checklist Tool**. This lens will also be used by CAP-PM in the formation of subsequent deliverables (e.g., Community Engagement; Technical Investigation) to evaluate proposed solutions and methodologies. The majority of this lens is concerned with technical components, but for sections concerning social impacts and other climate justice concerns, members of the White Salmon Community will be invited to review and provide input on its structure.

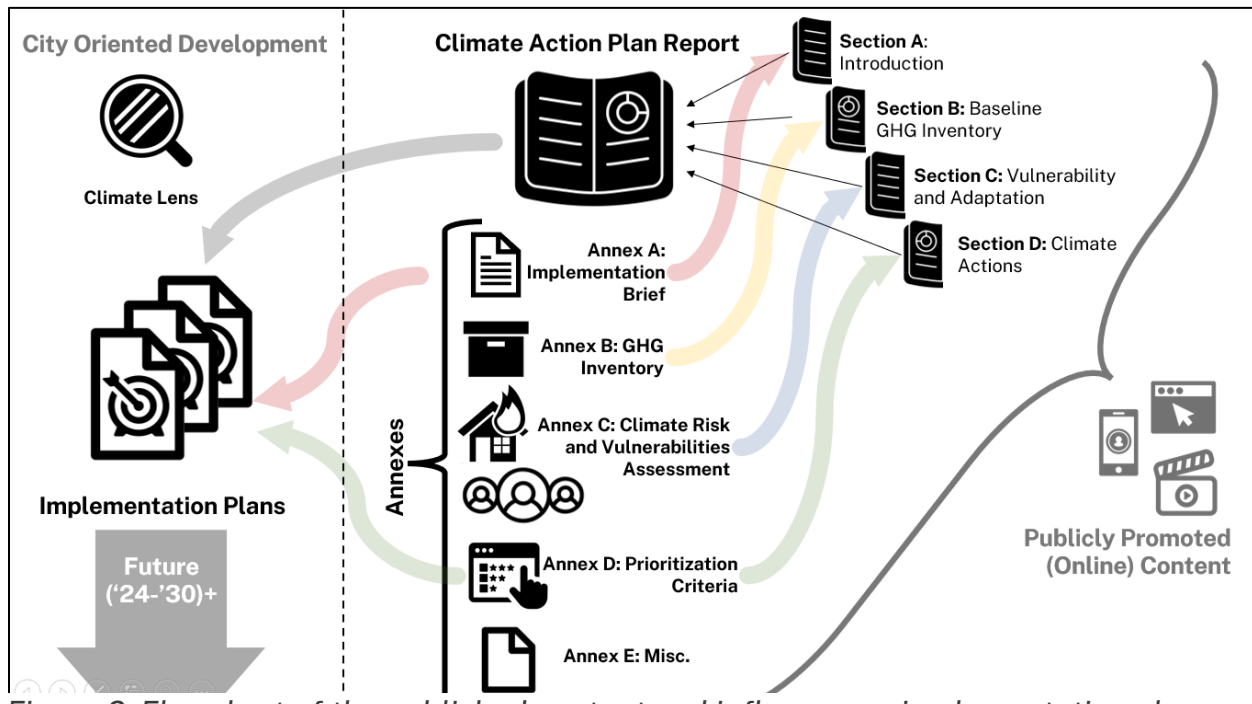


Figure 2: Flowchart of the published content and influence on implementation plans

Climate Action Plan

Primary Authors: Peter Fink

Format(s): CAP Report (.pdf, .doc), CAP Website (http), Social Media (videos, posts)

Timeline: April-July 2023

Climate Action Plan Report

The final CAP Report will be a relatively brief visual summary of CAP-PM's work (~30-50 low-text-density pages), intended to be accessible for an average reader. The pdf will be made available, alongside a web-text or html version and Spanish translation on the City's website. Accompanying the report are multiple [Annexes](#) which provide the methodology and data behind the findings of the CAP Report. The CAP Report is divided into four main sections: **Section A: Introduction | Section B: Baseline GHG Inventory | Section C: Vulnerability and Adaptation | Section D: Climate Actions**. See attachment (1) which illustrates how a page taken from the CAP report (Section D) *could potentially be* laid out and stylized.

Section A: Introduction

Section A introduces the report and provides background.

- Executive Summary
 - Introduces our current GHG baseline and “GHG reduction targets (short term, intermediate and long term) for scopes 1, 2, and 3 with clear articulation of the community’s challenges and opportunities in meeting GHG reduction goals”
 - Recommendations for top priority “implementation actions for achieving targets across multiple climate categories...and across multiple community groups”
 - “Climate adaptation strategies and actions that coordinate with or augment mitigation strategies and action “
- Background and Context
 - Description of the project and brief chronology
 - Explanation of existing policies/plans of the City and the CAP's alignment with these goals
 - Identification of existing federal, regional, and state level GHG and Climate Action related policies and plans and placement of the WS-CAP in this matrix.
 - Acronyms, and usage guide

Section B: Baseline GHG Inventory

This section primarily summarizes findings generated in the Citywide Baseline GHG Emissions Inventory — [Annex B](#). Here, charts, graphs, images, and short explanations break down emissions in the following categories.

- Citywide emissions
- Municipal emissions
- Residential Emissions
- Commercial Emissions
- Major Trends
- BAU Trajectory

Section C: Vulnerability and Adaptation

Drawing heavily on the findings of [Annex C](#) — the Climate Risk and Vulnerability Assessment, Section C explains the current conditions of our community and our climate. It provides generalized models of the changes anticipated for our region and names critical climate hazards that are faced. It uses maps and figures to identify areas at risk, and charts and graphs to convey the impact of demographic trends on White Salmon’s climate resiliency.

- Climate modeling
 - Inclusion and analysis of local historic, current, and forecasted climate trend data in sufficient detail for short, mid, and long-range target setting and action planning
- Hazards
 - Identification of major hazards such as:
 - Extreme Heat; Drought; Wildfire; Extreme Precipitation Events;
 - Compounding Hazards: Earthquakes, Power outages, etc.
 - Anticipated trends for climate hazards
- Preparedness
 - A vulnerability assessment of White Salmon’s vulnerabilities for the following modes:
 - Geographic; Social; Financial; Physical
- Areas of greatest concern

Section D: Climate Actions

Here, actions that have been highlighted through the prioritization process ([Annex D](#)) are shared visually. This section is split in to general categories. As more information is gathered, solution pages will be arranged in descending priority

within their categories. Attachment (1) gives an example of how each action page could be formatted.

- Municipal actions
 - Mitigation: Municipal operations
 - Mitigation: Policy
 - Adaptation: Infrastructure and Upgrades
 - Adaptation: Policy
- Residential actions
 - Mitigation: In the home
 - Adaptation: As a family
 - Building community resiliency
- Commercial and collective actions
 - Mitigation: In the workplace
 - Adaptation: Responsibility to others and productive collaboration
 - Adaptation: Workplace Health and Safety

Technical Investigation

Primary Authors: Kalama Reuter, Eric Strid, Peter Fink, Other community experts

Components: GHG Workbook, CAP Report Annexes

Timeline: Ongoing throughout project duration

A robust ongoing technical investigation allows residents to become and stay involved without major forehand technical knowledge as a barrier. There are two broad categories of investigation: **1. Mitigation** and **2. Adaptation**. This technical investigation establishes baseline greenhouse gas statistics, and evaluates viability of solutions. It also identifies major vulnerabilities to better identify the risk posed by climate impacts. Finally, it will categorize pathways to adapt to these changes. The bulk of the data, methodology, and information accumulated in the Technical Investigation will be shared in the CAP Report Annexes, a set of addendums to the report which allow prudent readers to dive deeper into the evidence.

The CAP Report Annexes

The Annexes are attachments to the CAP Report that contain the calculations, tables, methodologies, and data used to form the report. These documents may be more useful for planners, officials, and academics, while to the average reader looking for a synopsis, they are less relevant. Annexes A-D match closely with the content of Section A-D (respectively) of the CAP Report.

Annex A: Implementation Brief

The City’s RFP for this CAP called for 3 consecutive two-year plans to succeed the CAP report. Ostensibly these would be a 2024-2025 implementation plan, a ’26-’27 plan, and a ’28-’29 plan. As a better understanding of what is realistic for the City is gained, the duration and timing of those implementation plans will be updated. In these implementation plans, actions identified and recommended by the CAP reporting process are to be selected for implementation, with short-term, high-priority actions slated for early adoption, and longer term or ‘lower-value’ actions selected for latter plans. Annex A maps out these “next steps” for city officials and designs revisit-able drafts of the 3 implementation plans. The Implementation Brief also ties in heavily with Annex D’s work to prioritize potential actions. In this Annex, the following are addressed in the format of a brief intended for city officials

- “Identification of and recommendations for resolution of potential conflicts between existing City policies/plans and the CAP being developed.”
- “Development and articulation of methodology and tools for measurement process/performance tracking metrics for plan achievement and progress”
- “Development of an ongoing reporting plan aligned with measurement process plan to inform Council and public on efforts and achievements of plan over time including recommendations on frequency and level of detail of reporting.”
- “Formatting and display of implementation plan [drafts] that assists City staff and City Council in incorporating selected implementation actions into the City’s budget process as appropriate.”
- “Allocation of specific actions for three consecutive two-year implementation plans.”
- Identification of areas for further investigation and planning (e.g., Hazard Mitigation Plan, Community Risk Assessment, Water Resource Audit, etc.)

Explanation of Citywide Baseline GHG Emissions Inventory

In order to effectively reduce a community’s greenhouse gas (GHG) emissions (typically measured in CO₂ equivalent global warming potential: CO₂e), it helps to first know how much that community has historically and is currently emitting each year. In the process of generating a total estimate, the most culpable emissions sectors can also be identified. This allows planners to develop solutions that tackle major sources of GHGs, pick “low-hanging fruit” and consider more protracted and difficult areas for emissions reduction. Three main actors must be involved. **Commercial** entities like local grocers or small businesses have emissions that are

generated in the production of commerce. Businesses are subject to company policies and federal or state regulations regarding their emissions. Emissions that result from an individual's actions at home and *not related to their work* are **Residential**. City governments like the City of White Salmon are some of the most influential actors. They can work to reduce the **Municipal** emissions of city operations like the heating of City buildings or emissions from the vehicle fleet. The City is also responsible for setting policy, standards, and sometimes regulations for residents and businesses, as well as managing incentives to adopt changes that are beneficial for community health. Cumulatively, the commercial, residential, and municipal emissions form the **total citywide emissions**. Often, it is easier to calculate total citywide emissions first. In Phase A, CityLab members have begun this process and are now working to break down the data for an accurate estimate.

Taking White Salmon's municipal operations as an example, GHG emissions are generally classified into three scopes.

Scope 1. — Emissions the City is **directly** responsible for such as tailpipe emissions from the cars that departments use.

Scope 2. — Emissions the City is **indirectly** responsible for — typically related to energy. For example, when the City purchases and uses electricity from the Klickitat Public Utility District (KPUD) to power municipal buildings and street lights, a portion of that electricity was generated by methane gas-powerplants that emit greenhouse gasses. In these cases, no GHGs are emitted directly on the spot (i.e., the streetlights are not emitting CO₂), but the City is still indirectly responsible for a portion of the powerplants' emissions. Crucially, changes the City makes to its operations can have an impact on these emissions.

Scope 3. — Emissions associated with the City's **consumption of products**. Almost every item the City purchases is made in a process that required fossil fuels along the way. If the City purchases a lamppost from a company that uses outdated coal-fired kilns to forge the metal, the City would be responsible for greater **upstream** Scope 3 emissions than if they had purchased one from a company that uses more efficient metal forges. Often, companies do not have thorough data on the carbon *embodied* in their products, making the reduction of scope 3 emissions one of the most difficult for the City. The City may also have **downstream** scope 3 emissions: for example, waste and garbage which City departments *produce*, may go on to emit GHGs like methane in landfills. Importantly, once cities have bought (or sent away) products, they have little say in how those companies run their operations and their emissions. This means the City has much less control over scope 3 emissions.

White Salmon’s Citywide Baseline GHG Emissions Inventory will not be able to effectively calculate Scope 3 emissions. As embodied carbon data from companies becomes more available in the future, the City may revisit the issues and begin to take it into account with its purchases. Businesses are encouraged to investigate the products they purchase or sell, and individual consumer choice is welcomed.

Annex B: Baseline Inventory and GHG

Eric Strid’s work developing an online modeling workbook for counties to calculate their GHG profile has proved invaluable for an initial assessment of the city’s carbon emissions. Annex B is a refined version which provides the details and calculations as well as assumptions and estimations behind the report’s GHG emissions claims. Overarching themes covered include:

- Historical citywide emissions from the past three years and trends in energy, natural gas, and vehicle’s emissions for the near future.
- GHG emissions of municipal operations
- Average GHG footprint in White Salmon
- Data from businesses and organizations which cooperatively share information

Both an .xlsx and .pdf version will be available, allowing anyone interested to manipulate and investigate the data themselves. Key takeaways will be shared in Section B of the CAP Report. [See above](#) for more details about GHG audits.

What is a Community/Climate Vulnerabilities Assessment (CVA)

A community vulnerability assessment or climate vulnerability assessment is an investigative exercise that a growing number of cities in the U.S. have completed or are working on. ([See here](#) for an international list including 40+ U.S. cities) CVA’s have become a go-to first step in preparing to adapt to the impacts of global warming.

The field of disaster management typically refers to *climate risk* when investigating appropriate adaptation measures. Risk is defined as a factor of three components: **vulnerability**, **hazards**, and **exposure**. In a community vulnerability assessment, planners try to identify how their community or sections of their community are socially, physically, financially, or geographically vulnerable. These can be understood not as weaknesses of the community, but rather structural realities that establish levels of endangerment—factors that are important to consider and potentially address. Often, larger municipalities will also separately develop a hazards mitigation plan which identifies the major hazards that may afflict that

community: ice-storms, train derailments, landslides, wildfires, extreme heat, among others. Next is the process of predicting or evaluating to what degree the community is exposed of to the hazards identified. Risk is then determined based on the starting conditions of a community (vulnerability), and how much (exposure) that community will see of a threatening event (hazard). If the community is especially resilient (low vulnerability), the hazards are less intense, or there is little exposure, the risk can be lowered and a disastrous situation can be avoided.

Annex C: Climate Risk and Vulnerabilities Assessment (CRVA)

Combining hazard identification and mitigation planning with a community vulnerabilities assessment, White Salmon will conduct a **Climate Risk and Vulnerability Assessment (CRVA)** with help from local experts on topics such as wildfires, wildlife and ecosystem changes, disaster planning and meteorology. In addition, public data will be leveraged with input from community groups to better understand the city's demographic statistics and their impact on our community's resilience and climate risk.

By using scientific methods and expert opinions, Annex C will be able to accurately provide a document with:

- “Inclusion and analysis of local historic, current and forecasted climate trend data in sufficient detail for short, mid and long-range target setting and action planning”
- “Identification of significant current and potential vulnerabilities for the City of White Salmon and the community as a result of climate change, including wildfires... and potential related costs if no action is taken.”
- “Identification of areas for preservation of existing, and historical loss of, natural carbon sequestration (e.g., trees, plants, etc.)”
- Information and input from community members, regarding the cultural, financial and physical viability of potential actions, and an updated census of community characteristics

The following listed names are examples of community experts that will be approached with a request for information on their respective fields. Their input will be used to form a basis of investigation. As they will not be hired at this stage, they will not be held liable for their accuracy of statements or expected to produce thorough answers.

Name	Position/Experience	Topic of Consultation
------	---------------------	-----------------------

Bill Weiler	Wildlife Biologist	The impact of climate change on our local wildlife and ecosystem
Eric M. White	Ph.D., Research Social Scientist Pacific Northwest Research Station, USDA Forest	The impact of climate change on recreation and recreation-dependent economies
James H. Hulbert	Author of the 2004 Community Wildfire Protection Plan	Wildfire risk in White Salmon
Bill Hoffer	Professional Mechanical Engineer WA, NABCEP Certified Solar PV Installer, SEI Alumni since 1994	Site assessment for Solar Access
City consultant or relevant dept.	Expertise or background on the City's water resources	White Salmon's water management
	More to be discovered	

Understanding that this project has no direct funding, and that some experts may be unavailable or expect a formal contract for consultations, certain areas may not be covered thoroughly enough to warrant confidence in the findings. **Should these components of the CRVA be unmet, project management will create a detailed list of areas needing further investigation with the intent that the City will assume responsibility for sponsoring investigations it deems critical.** In other words, what CAP-PM is unable to answer, we will identify and reassign for paid experts to answer.

In addition to the technical investigation focused on leveraging community experts, a major component of the CRVA will rely on community input and participation. In the community engagement process, ([see below](#)), the outreach process will include collecting anonymous, relevant demographic information and residents' concerns to fully inform the CVRA.

Annex D: Climate Action Prioritization Criteria

Annex D is an in-depth table which provides a detailed ranking and a criterium through which potential climate actions were screened for the CAP report. Actions are differentiated as mitigation-focused and adaptation-focused activities, although, some actions may entail overlap between the categories (ex: adoption of

heat pumps reduces energy wastage [mitigation] while offering efficient air-conditioning capability [adaptation]). Each recommended action in the report has a numerical value ranking its priority to be adopted and implemented. Annex D lists each action that is examined in subsequent rows, assigning numerical scores in columns for each grading factor before calculating a total score which is used to assign comparative priority. In addition to the table, Annex D provides the methodology behind the assigning of each number and the sources of information. Factors which are numerical are scaled appropriately and non-quantitative factors are appropriately assigned numerical values. The factors which suggested solutions are ranked on include:

- Financial — Upfront/initial cost (n); long-term cost savings (n); est. \$ cost of inaction (n); funding availability (q); weighted cost effectiveness (n)
- Temporal — exp. time investment (n); est. duration of action & timeline (n)
- Political — Contentiousness (q); degree of City influence over the action (q); primary responsible actor (q); potential for unintended consequences (q); potential co-benefits (q); tangible cost of inaction(q)
- Climate — GHG reduction potential (n), Contribution to climate resiliency (q); cultural influence or market impacts of adoption (q)
- Planning — Concordance/overlap with existing city efforts (q); Engagement with community interests
- Technical — Technical feasibility/viability (q); technical complexity of implementation (q)

(n)= numerical factor

(q)= numericized qualitative factor

As a reminder the City of White Salmon outlined the following goals in the 2021 climate crisis resolution:

- Reduce reliance on fossil fuels in municipal operations;*
- Pursue local policies and reforms that promote environmental stewardship and overlapping economic sustainability;*
- Identify current municipal greenhouse emissions in pursuit of a target reduction in municipal net greenhouse gas emissions of at least 45% by 2030 and net zero by 2050;*
- Initiate efforts to formulate adaptation and resilience strategies in preparation for intensifying climate impacts such as wildfires, drought, reduced water availability, and stormwater runoff;*

e. Work on climate issues in conjunction with diverse communities within the city and neighboring communities, with whom we share our fragile resources.

While considering

- *the need for community education, participation, inclusion, and support, in efforts to reduce greenhouse-gas emissions and the city's climate impacts.*
- *opportunities and funding to address the climate and ecological emergency and its impacts through existing hazard mitigation and emergency management programs.*
- *the concerns of vulnerable communities and impacts to tribal treaty resources*

The declaration also highlights the importance of the participation of such communities and the need for collective local to international cooperation. Annex D works to select a suite of actions that effectively achieves these goals. It also provides context such as helping to identify and incorporate “best practices from peer communities.” By learning from past shortcomings and victories, the goal is to maximize chances of successful implementation

Annex E: Misc.

Potentially included here are:

- a detailed bibliography of references cited in CAP report and annex materials;
- acknowledgements;
- list of figures; and
- additional relevant information
- Insert _____ x

CAP Report Accessibility

Making a report that everyone can read is important. However, ultimately no document will be accessible to all. Some may face language barriers. Other's may have visual impairments that require the use of a screen reader or the use of high contrast colors in visual elements. Finally, many do not have the time to read or look through a document. Creating a suite of social media videos and other online multi-media content that uses simple language and engaging techniques will be one attempt to overcome the traditional barriers. Listed are goals for the final report:

Accessible Content

- The CAP report will aim to be brief when possible while sharing all relevant information. Annexes will be used for those seeking additional depth.
- The report will make use of visuals and soft aesthetics for a more inviting presentation.
- Examples and other illustrative components will be culturally relevant
- References will be listed for any external factual claim to facilitate scientific review

Accessible Language

- The authors of the report will try to keep the language as simple as possible. We recognize that the purpose of the report is to share information with residents not to impress others.
- A Spanish translation of the PDF will be made available on the website alongside the release of the English version.
- A HTML version of the report will be published online. This format is often easier for screen-readers and makes it easier for online translation tools offered as extensions on web-browsers (e.g., Google Translate) to translate the English text into numerous languages.

Accessible Visuals

- All pictorial figures (.png, .jpg, etc.) in all CAP-related publications will be labeled with Alt-Text
- Any colored elements of CAP-related publications will have a Web Content Accessibility Guidelines (WCAG) minimum color contrast level of “AA” (4.5:1) or greater
- The font used for this report and subsequent reports will be Public Sans, a font developed by the U.S. Web Design System (USWDS) as a readable typeface to be used by the Federal Government. Public Sans is open-source meaning it can be downloaded for free online. Some compromise is made for readers with dyslexia who report difficulty distinguishing letters typed in Public Sans but an editable download allows for readers to change the font in a word processor of their own choosing.
- An HTML version of the report will convey information textually as an alternative for readers that find the incorporation of visuals confusing or complicated to interpret.

Community Engagement

Active participation from residents is fundamental to White Salmon's Climate Action Plan. All components from project management to the climate action analysis will be reliant on full participation of our community. To achieve this, project management is attempting a novel, and flexible approach involving shifting ownership and more in-depth data collection. **Alongside this, we are requesting the City hire a consultant that demonstrates stake and ability to reach White Salmons underreported and socially disadvantaged communities.** Ultimately, the proliferation of climate education is also a major goal of this project; allowing informed communication within the community to flourish and heighten climate literacy, civic engagement, and community discourse. To that end, the following actions work in tandem to thoroughly engage the public:

Dispersive and Participatory Peer-Led Engagement

This CAP process is somewhat unique in that it is being principally developed and carried out by community members acting without financial gain. Although there are limitations associated with this approach (i.e., assumed credibility, lack of financial resources, uncertain commitments, etc.), it offers the opportunity to include a wide

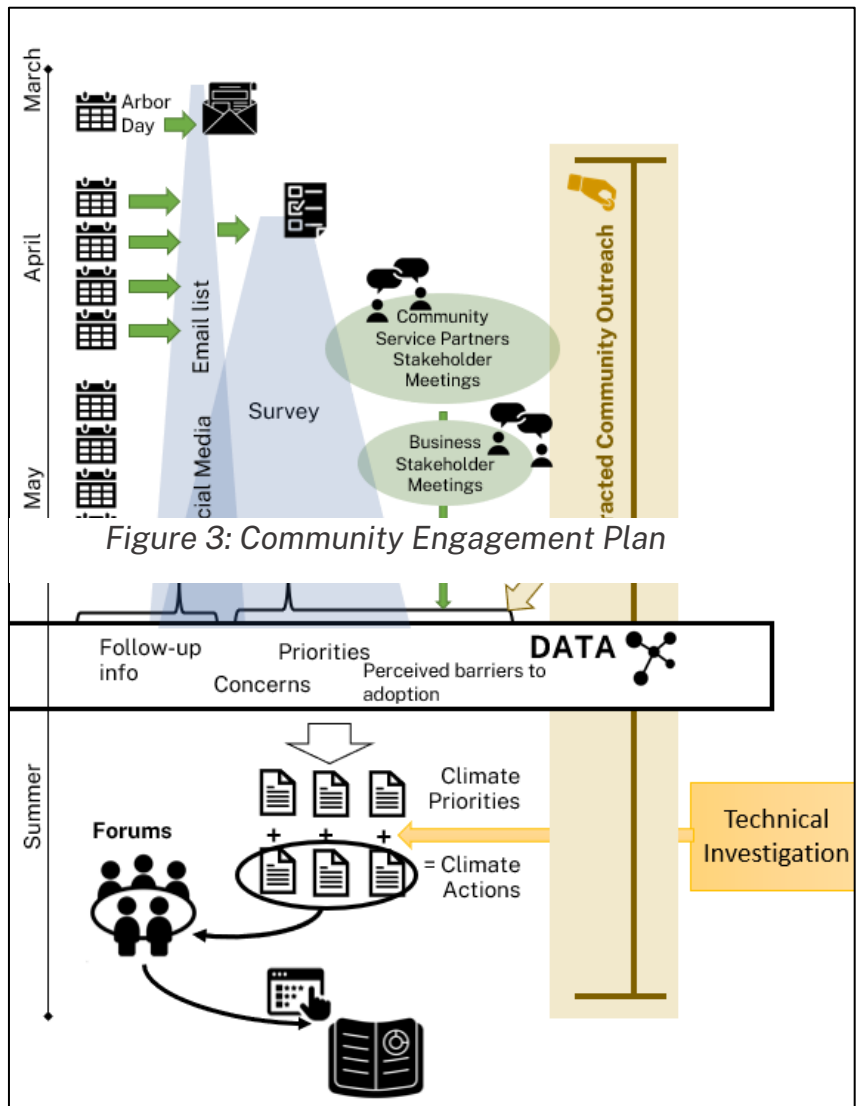


Figure 3: Community Engagement Plan

variety of residents in participation — not just as survey respondents but as authors, editors, and contributors to the report itself and related projects.

This approach takes inspiration from Community Based Participatory Research (CBPR) — a model which seeks to develop insight on questions identified by a community by working directly alongside community members to provide the information and resources that are needed.

Collaboration with Students

Many families in White Salmon either have children or know a family with children enrolled in a White Salmon school. Students, as active learners are also constantly engaging with new concepts, new assignments, and new interests that influence their careers and future success. For these reasons, involving students in the CAP process can be a great start for community outreach. One opportunity is relying on students to use information they are learning to develop lines of questioning and practice interview skills with friends and neighbors to get a better picture of White Salmon's climate situation. Outreach options that will be investigated include:

1. Collaborate with educators to craft a lesson plan or set aside time to discuss climate action planning.
2. Sharing the data gathered that estimates the city's emissions along with scientific consensus about climate change. Instructing students to research commonly promoted components to addressing the climate crisis.
3. Inviting students to help form survey questions and methods based off shared examples
4. Tasking students to identify 1-3 persons in their family or social circle and ask them questions related to the survey. Information is recorded for qualitative and quantitative data
5. Holding events where students can share their work related to climate with the broader public in a welcoming setting

Understanding that this plan is contingent on successfully connecting with educators and students and fitting into existing lesson plans, this option will evolve to reflect feasibility.

Collaboration with Community Organizations

A second component is engaging the broader community who may not factor into student's social circles (ex: families with no children) but who have other ties within a sub-community of White Salmon. Community organizations are known for their ability to reach sub-set groups. These actions are recommended for approval:

1. Coordination with community groups is used to appropriately approach members of community groups during a group meeting (ex: The Rotary, The Elks, Comunidades, the Grange, etc.)
2. Inviting members to respond to prompts developed in partnership with students for use in their query projects.
3. Collaboration is used to plan outreach events that effectively engage constituencies of engaged groups and solicit more input
4. Member groups are invited to share their priorities
5. Community groups are also consulted for their expertise on various issues.

Potential examples include:

- a. Groups such as the Underwood Conservation District or the Mountain View Grange are consulted on agricultural issues,
- b. Social services like KC Senior Services are consulted for information about our senior community and potential vulnerabilities
- c. Comunidades and other local groups advocating for our region's Latinx community are invited to share trends and common issues faced
- d. Businesses are directly asked and indirectly asked through the Mt. Adams Chamber of Commerce for their experience with climate and business

Direct Outreach to Underreported People

A final, vital component is reaching those who may be isolated due to social, physical, or linguistic factors, and serving as a catchall for remaining missed participants. As described, this step necessarily requires funding. Without a budget, this outreach methodology will not be reasonable.

1. Working with business in retail and grocery to offer grocery waivers to incoming customers in exchange for answering questions
2. Advertising is made for free low-cost beverages (coffee, etc.) at relevant establishments in exchange for survey completion
3. Posters are left and personal visits or meetings with respondents are organized to collect responses
4. Collaboration with social services such as WAGAP's Food Bank and others is used to share information with White Salmon residents

Contracted Community Outreach

Below is a requested "budget" for this project. While the CityLab board/CAP-PM will not be receiving a budget per the City's dictate, **we are requesting the City hire consultants for translation services and for community outreach.**

Once Council has approved this Project Workplan, we will work with City Staff to develop a Scope of Work that outlines the requested goals for community outreach.

We recognize that our limited capabilities at outreach will likely underrepresent financially or socially disadvantaged communities within White Salmon — specifically the Latinx community, and Low-Income households. A scope of work would require an applicant to demonstrate ability to reach socially disadvantaged communities in White Salmon, including the Latinx community. Applicants that are based locally or demonstrate significant stake and commitment to this process would be sought. They will be tasked with using culturally appropriate outreach to learn the major priorities of focus communities. Liberty would be given to the organization to design a plan to achieve this, although they must coordinate with the existing plans of CAP-PM. Plans which are able to mobilize participation alongside gathering input would be preferred. After gathering and conveying the input, the Scope of Work would also task groups with relaying CAP findings back to communities of focus and adapting climate education to meet community gaps and needs.

Public Events

Public events have multiple important uses:

1. Informing residents about the CAP process and its value to the community
2. Offering an opportunity for residents to share their input and survey responses
3. Drawing community members together to share thoughts and build connections

While CAP-PM can and will participate with City tables at existing planned events (e.g., El Grito Festival, Arbor Day, Farmer’s Market, etc.) **we are recommending that the Scope of Work for hiring a consultant include a plan to hold two public events that are specifically tied to the CAP process.** Our recommendation is that one such event be held in spring (**Event 1**) to launch the project and coordinate with the CityLab board’s local outreach and survey, and then again in early-to-mid-summer (**Event 2**) to engage the community in a “solutions forum” that highlights the work and what is next. Survey participants would be reinvited to forums organized with help from involved stakeholder groups. The goal is to create accessible large in-person event(s) with draws such as child entertainment activities, food, or other benefits where all can learn about the findings of the CAP report, connect with services and opportunities, and grow a sense of ownership and involvement in the

process. Further input may be added and recirculate back to city officials and decision-makers before the finalization of implementation plans.

Some funding would be required from the City to ensure these events were well organized and advertised – this could be accomplished either through in-kind city support, via funding allocated to community organizations hired by the City, or by working with other community partners to facilitate the event.

Social Media Presence

It is a very small subset of White Salmon that attends City Council meetings, or gets involved in City efforts. Work and family commitments, overwhelming language or bureaucracy, and feelings that there is a lack of relevance or importance to one's life, and can turn many away from getting involved. Social Media are widely used opportunities to get residents of White Salmon involved in the process. **CAP-PM is requesting the creation of a social media presence on new platforms such as Instagram, and the ability to post informative content through existing social media accounts run by the city (Facebook, YouTube, etc.).** Offline media such as posters, pamphlets, and (a) feature(s) on the back of the City water bill are also important ways to communicate findings and opportunities to get involved in the process.

City CAP Webpages

Creating an online home for the finalized documents and to blog updates in the process is important to making findings available and accessible. Whether as pages on the City's website or through a separate website that is accessible through a City webpage, **PM will design webpages containing content such as:**

- Downloadable versions of the (sections of the) CAP Report and Annexes, and other related documents
- Web versions of all CAP publications
- Short videos that can be shared on social media covering basic concepts and important factoids related to findings from the report and relevant actions
- Printable coloring sheets and family activity pages
- Access to resources for homeowners and businesses (collated for ease of use)
- Information about how to make one's voice heard in planning processes
- Links to additional resources

Budget

The CityLab board has been informed that it cannot be granted a budget as a citizens committee. However, given the CityLab's ability to make recommendations and suggestions to Council on decisions with administrative and budgeting consequences, there is the opportunity for city council to provide funding to this project. We are requesting the following funds be appropriated towards supporting the CAP process. As a reminder, Council had initially offered a budget of \$50,000 to the CAP when hiring a consultant for its preparation was still the intention.

Hire	Details	Requested Budget
Community Outreach to Social Disadvantaged Communities and Latinx Community	CAP-PM would like the City to hire a consultant or organization with that can demonstrate significant commitment to — and the ability to — reach socially disadvantaged communities in White Salmon, including the Latinx community. They will be tasked with using culturally appropriate outreach to learn the major priorities of focus communities and adapting climate education to meet community gaps and needs.	\$8000-12,000
Translation Services	CAP-PM would like the City to hire a translator or translation team to translate the CAP Report, outreach materials, media, and any other documents the city requests, into Spanish.	\$1000-3000
Total		\$9000-14,000

Schedule

Attachment (2) is a Gantt Chart — a list of tasks and a timeline visualizing when they will be accomplished throughout Phases A-D. Here is a general description of the Phases which CAP-PM will be working on.

Phase A — Project Development and Groundwork

Time Frame: Jan-Feb 2022

Objectives:

- Establish correspondence and become familiar with City staff, school staff, community group leadership
- Begin discussion of intended steps and potential pathways to achieve success
- Determine common objectives to amend project work-plan
- Identify potential barriers and gaps

Activities:

- Meet with intend partners to discuss objectives and further steps
- Finalize project workplan

Phase B — Carbon audit and information gathering

Time Frame: Feb-April 2022

Objectives:

- Determine the sources, quantity, and nature of GHG emissions
- Begin collaborative community outreach process and data collection ([See above](#))
- Organize and hold participatory events to refine community priorities for the project and collect information

Activities

- Meet with businesses operating in White Salmon and collaborate to determine their business emissions
- Finalize survey questions and participation plan as well as survey plan guide for educators
- Craft carefully tailored surveys to solicit responses from departments individually
- Release the **Climate Lens**
- Collect information from city department offices relevant to GHGe
- Begin surveying the broader community

Phase C — City coordination and strategizing

Time Frame: March-June 2022

Objectives:

- Refine potential strategies and solutions for given hazards or sources of emissions
- Analyze and cross-reference common goals in existing city planning efforts
- Bring together findings from community input to weight solutions' local importance when communicating with City

- Learn about community vulnerabilities and climate hazards from local organizations, community groups, and experts living in the area

Activities

- Consult local experts on climate impacts in the area and demographic realities
- Conduct ride-alongs and meetings with municipal departments to become familiar with realities faced by departments.
- Develop the prioritization criteria and begin to analyze potential mitigation and adaptation solutions.
- Finalize the formation of a **Baseline GHG Emissions Inventory**
- Finalize sections of the CAP report
- Continue public outreach

Phase D — Presentation and Adaptation

Time Frame: June-Aug 2022

Objectives:

- Communicate findings of CAP with process participants and the broader community at a large forum event
- Publish CAP report and create materials to spread information in a more accessible format
- Rally department leaders with city officials to finalize 3 successive 2-year plans

Activities

- Finalize **Annex D: Prioritization Guide**
- Finalize **Climate Risk and Vulnerabilities Assessment**
- Organize logistics for a large event in a public space to serve as a forum
- **Publish Annex A: Implementation Brief**
- Publish the Climate Action Plan Report
- Continue to meet with the City regarding plan implementation
- Develop online content to share findings and encourage action



C.4.1.0 Municipal Fleet Electrification

Sector



Transportation

Timeframe:



Mid-term — Ongoing

With vehicle emissions making up x percent of the municipal GHG baseline in 2021, the electrification of the city's fleet is a promising opportunity for the City to take bold action. Currently, supply chain issues and demand-driven price hikes remain major barriers to adoption. In 2021, the Bingen-White Salmon Police Department put in a request for two FHEV (hybrid) police cruisers but due to supply chain issues (xxx).

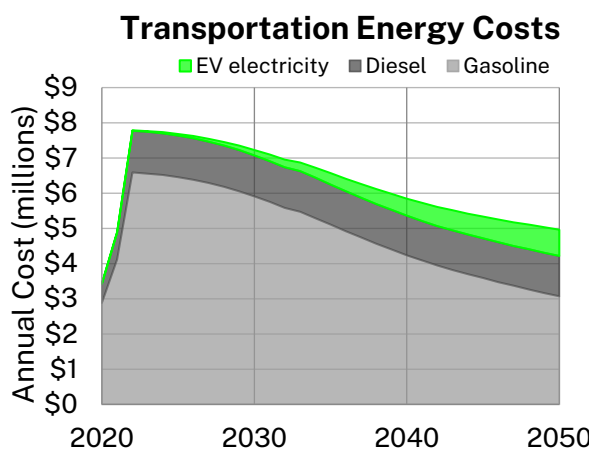
Co-Benefits Box

In a studied year a number of Americans died from air toxicity caused by vehicles & heavy machinery emissions. Co-Benefits of electrifying the city's fleet include

- Air quality improvements
- Reduced fuel reliance

As battery and EV technology improves, production increases, xxx, the City expects the electrification of its fleet to become more available as a climate opportunity. Costs include the purchase and maintenance of low and no emissions vehicles; installation of EV charging infrastructure; time spent on training; and electricity costs. Additional details are added here.

Explains this graphic using relevant and simplified language. Alternatively, this serves as a caption to a relevant photo and provides credit to the photographer. Remember that specific data is shared in Annexes.



Estimated Cost: 🐷🐷🐷🐷🐷

Yearly Avg.	\$120k/year
Cumulative Cost	\$3.4 million
Yearly Savings	\$10k/year
Net Cost	\$3.1 million

Estimated GHG Reductions:



Yearly	28 tons CO ₂ e
Cumulative	434 tons CO₂e

Primary Actors:

🏛️ | **The City of White Salmon**

- >Bingen-White Salmon Police
- >White Salmon Public Works
- > White Salmon Fire Dept.
- >Taxpayers

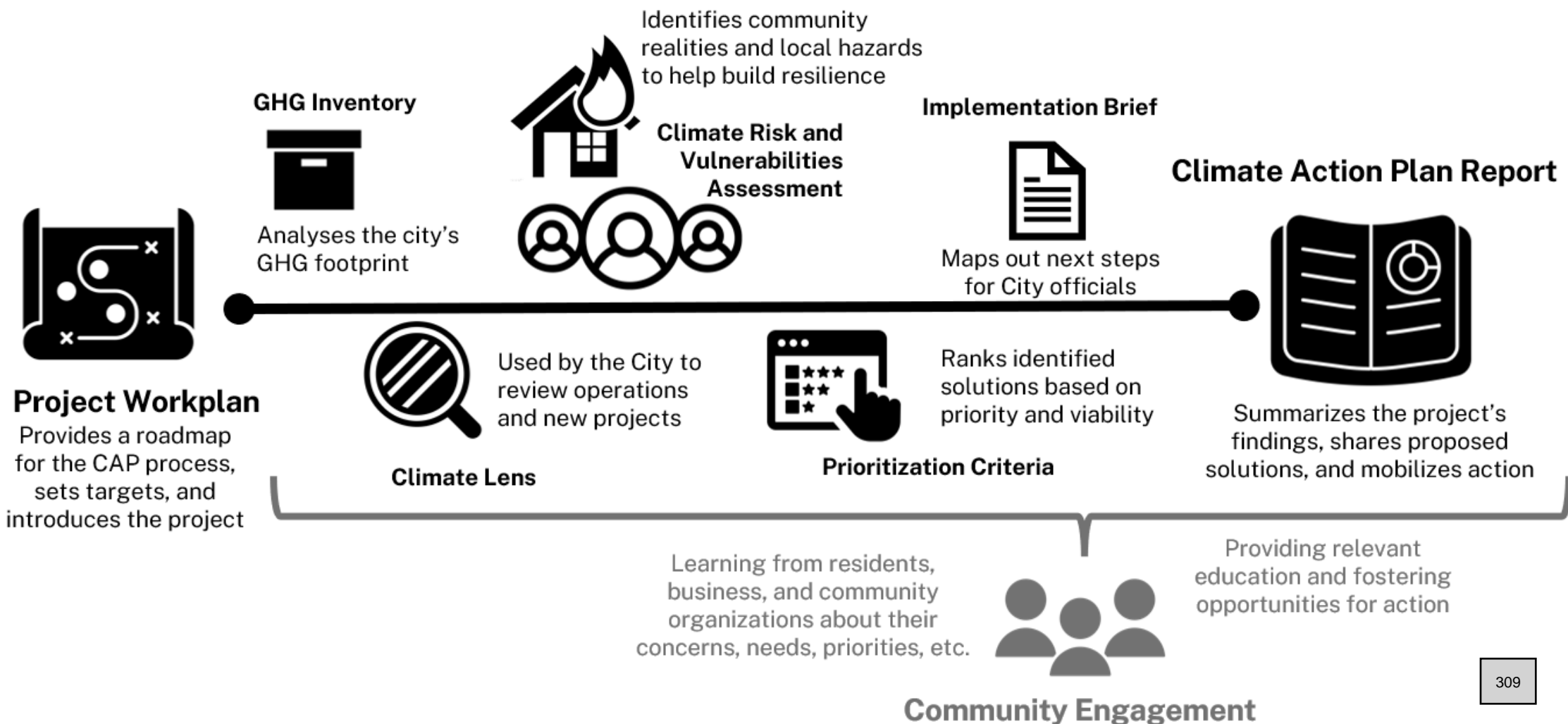
Implementation Plan

'24-25: CAIPI	✓
'26-27: CAIPII	✓
'28-30: CAPIII	✓

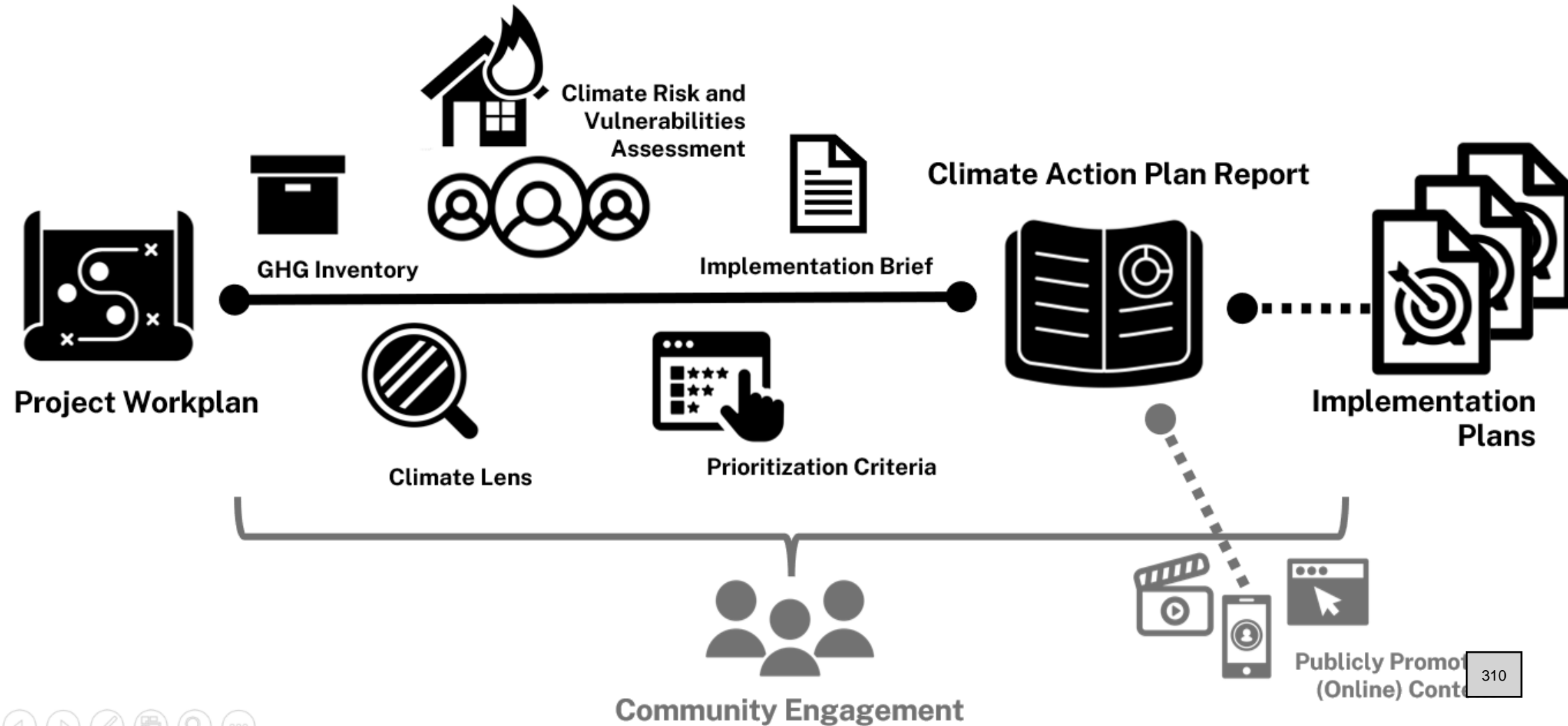
Existing Planning Overlap

- > Annual Budget
- > Transportation Plan

Our Climate Action Planning Process



Our Climate Action Planning Process



City Oriented Development



Climate Lens



Implementation Plans

Future
(‘24-’30)+

Climate Action Plan Report



Section A:
Introduction

Section B: Baseline
GHG Inventory

Section C: Vulnerability
and Adaptation

Section D: Climate
Actions

Annex A:
Implementation
Brief

Annex B: GHG
Inventory

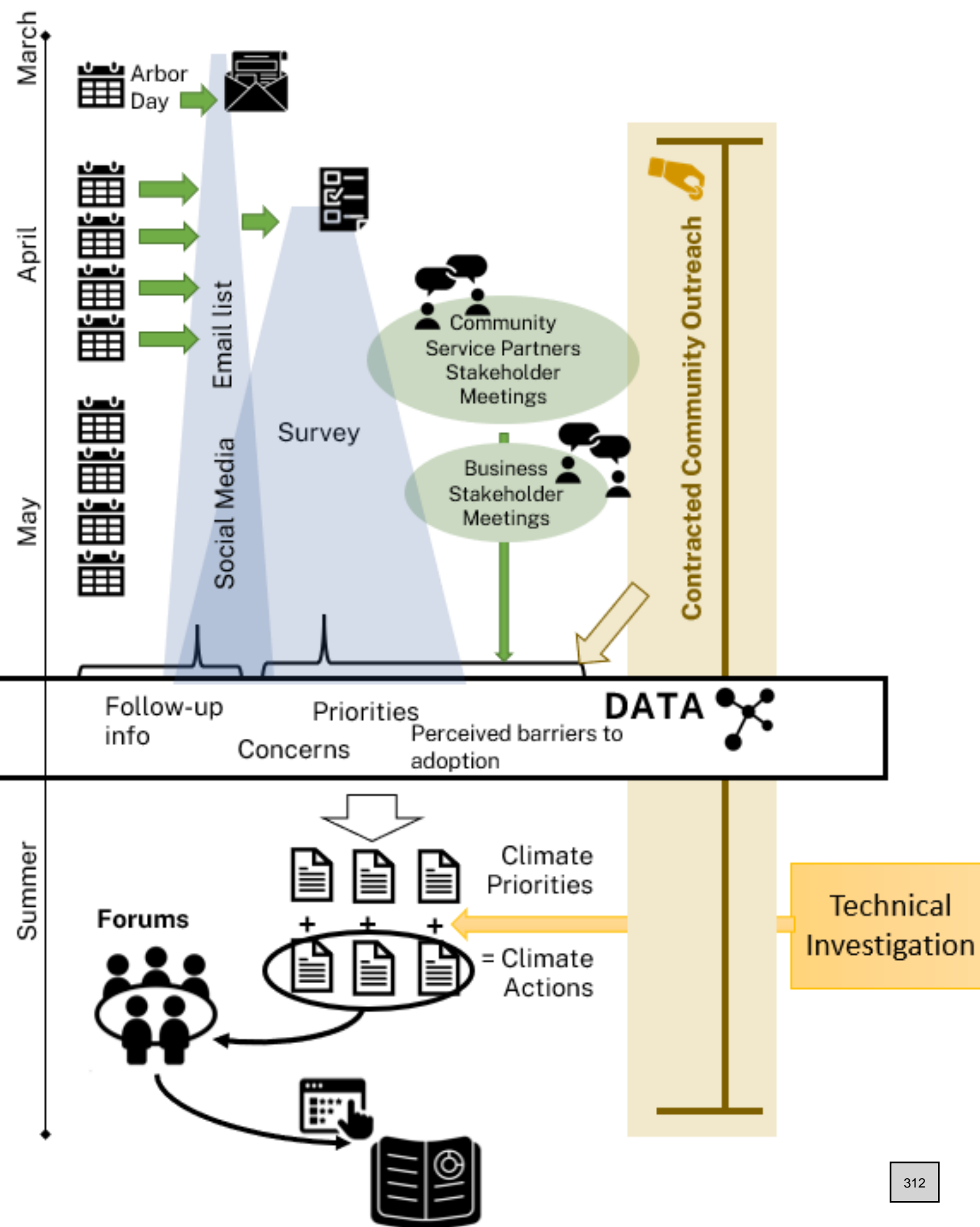
Annex C: Climate Risk
and Vulnerabilities
Assessment

Annex D: Prioritization
Criteria

Annex E: Misc.

Annexes

Publicly Promoted
(Online) Content



File Attachments for Item:

F. Contract Amendment No 1- Anderson Perry Associates - Manhole Improvement Project



Department Head:	JC
Clerk/Treasurer:	<i>[Signature]</i> SMP
City Administrator:	<i>[Signature]</i>
Mayor:	<i>[Signature]</i>

COUNCIL REPORT

☐

Business Item

☒

Consent Agenda

Needs Legal Review:

No, unnecessary.

Meeting Date:

March 15, 2023

Agenda Item:

Jewett Manhole Improvement Project – Anderson Perry
Amendment No 1

Presented By:

Jeff Cooper, Interim Public Works Operations Manager

Action Required:

Approval for mayor to sign the contract amendment to include additional work requested by Public Works Staff on the Jewett Manhole Improvement Project.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to authorize the mayor to sign the Jewett Manhole Improvement Project Amendment No 1 with Anderson Perry & Associates.

Explanation of Issue:

Jewett Manhole Improvement Project has been modified from its original scope of work because of failing manhole lids. On 3 occasions the actual manhole lid has broken and fallen into the sewer channel. On all occasions we had to buy wheels and tires for the vehicles due to damage. Some of the manhole lids rattle when driven over this is because the manhole suburban is worn out.

The extra 13 locations are only to replace the manhole suburban and lid with a bolt down feature. This will secure the lid so won't be a problem with rattling. Also, with Jewett being paved (projected in 2024/2025) this will make sure we won't be back into the road for future improvements, as there may be a moratorium per the state that restricts utilities from digging into the road.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.
4. Other action as desired by council.

Fiscal Analysis:

The Wastewater Reserve Fund (409) in the adopted 2023 budget contains \$44,420 for construction engineering and \$200,000 for the total Manhole Improvement Project.

The first budget amendment will include recommendation to increase the budget to a total of \$68,000 for construction engineering and \$257,300 for construction (this will include additive alternatives if desired by council).

The total engineering costs (design and construction) will be \$97,620 as shown on the contract amendment. The project design budget was \$34,440, which will be exhausted shortly. The remainder, \$44,420, is for bidding assistance and construction administration. Some of the proposed \$18,760 will go toward design and the rest to bidding and construction administration.

Please find attached the project estimates for review.

Recommendation of Staff/Committee:

Staff is recommending the council authorize the mayor to sign the Jewett Manhole Improvement Project Amendment No 1 with Anderson Perry & Associates.

Follow Up Action:

If approved, contract will be signed and engineering for additional improvements will begin.



**AMENDMENT NO. 1
TO AGREEMENT BETWEEN CLIENT AND ENGINEER FOR
PROFESSIONAL SERVICES**

Job No. 250-15

PROJECT: JEWETT MANHOLE IMPROVEMENTS

PART I. PARTIES AND DESCRIPTION OF WORK

THIS AMENDMENT, made this 8th day of March 2023, amends the AGREEMENT between the City of White Salmon, Washington (the OWNER) and Anderson Perry & Associates, Inc. (the CONSULTANT) dated June 2, 2021.

This AMENDMENT modifies the agreement to include the following:

CONSULTANT SERVICES

The Scope of Services is hereby modified to include the following additional design services.

1. Additional work provided by the CONSULTANT includes the design and construction administration for the replacement of the vault hatch at the Heritage Lift Station, replacement of the lid and frame for and rehabilitation of Manhole (MH) I-1, replacement of the lids and frames for Manhole (MH) No. J-1, and J-10 through J-20 (see attached Figure 1 for all work locations).
2. The vault hatch replacement work was requested due to deficiencies in the existing hatch. Improvements to MH I-1 was requested because of the small diameter lid and brick construction of the manhole. The MH J-1, and J-10 through J-20 work was requested to replace the existing manhole lids with locking lids before Washington State Department of Transportation (WSDOT) performs asphalt work on the Jewett Boulevard scheduled for construction in 2024.

COMPENSATION FOR SERVICES

In consideration for performing the services outlined in this AMENDMENT, the OWNER agrees to compensate the CONSULTANT as follows: On a time and materials basis, based on the attached Hourly Fee Schedule, not to exceed \$18,760.00. This AMENDMENT increases the total project budget from \$78,860.00 to \$97,620.00.

All other provisions of the AGREEMENT shall remain the same.

CONSULTANT
ANDERSON PERRY & ASSOCIATES, INC.

OWNER
CITY OF WHITE SALMON, WASHINGTON

Jake Hollopeter, P.E.

Name

Signature

Vice President

Title

Name

Signature

Title

2023 HOURLY FEE SCHEDULE

Effective January 1, 2023

PROFESSIONAL TECHNICAL STAFF

TECHNICIANS		ENGINEERING		ARCHAEOLOGY	
Technician I	\$ 70.00	Engineering Technician I	\$110.00	Archaeological Technician I.....	\$ 70.00
Technician II	\$ 80.00	Engineering Technician II	\$115.00	Archaeological Technician II.....	\$ 75.00
Technician III	\$ 85.00	Engineering Technician III	\$120.00	Staff Archaeologist I	\$ 85.00
Technician IV	\$ 90.00	Engineering Technician IV	\$125.00	Staff Archaeologist II	\$ 90.00
Technician V	\$100.00	Engineering Technician V	\$130.00	Project Archaeologist I.....	\$ 95.00
Technician VI	\$105.00	Project Engineer I	\$135.00	Project Archaeologist II	\$100.00
Technician VII	\$110.00	Project Engineer II	\$145.00	Senior Archaeologist I	\$105.00
Senior Technician I	\$115.00	Project Engineer III	\$150.00	Senior Archaeologist II	\$140.00
Senior Technician II	\$120.00	Project Engineer IV	\$165.00		
Senior Technician III	\$125.00	Project Engineer V	\$170.00		
Senior Technician IV	\$130.00	Project Engineer VI	\$175.00		
Senior Technician V	\$140.00	Project Engineer VII	\$180.00		
Senior Technician VI	\$145.00	Senior Engineer I	\$190.00		
Senior Technician VII	\$150.00	Senior Engineer II	\$195.00		
Senior Technician VIII	\$160.00	Senior Engineer III	\$200.00		
Senior Technician IX	\$180.00	Senior Engineer IV	\$205.00		
Senior Technician X	\$195.00	Senior Engineer V	\$210.00		
		Senior Engineer VI	\$215.00		
		Senior Engineer VII	\$225.00		
		Senior Engineer VIII	\$235.00		

PROJECT REPRESENTATIVES

Project Representative I	\$100.00
Project Representative II	\$105.00
Project Representative III	\$110.00
Project Representative IV	\$115.00

OVERTIME

Overtime Surcharge	\$ 35.00
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SURVEYORS, EQUIPMENT, AND OTHER

Survey Technician I	\$ 75.00	Professional Land Surveyor II ..	\$155.00	Resource Grade GPS	\$ 25.00
Survey Technician II	\$ 80.00	Professional Land Surveyor III ..	\$165.00	Electrofischer	\$ 30.00
Survey Technician III	\$ 95.00	Professional Land Surveyor IV ..	\$175.00	Unmanned Aircraft System	
Survey Crew Chief I	\$105.00	Professional Land Surveyor V ..	\$185.00	(UAS/Drone)	\$ 50.00
Survey Crew Chief II	\$110.00	GPS Total Station	\$ 45.00	GIS RTK GPS/GNSS Unit.....	\$ 35.00
Survey Crew Chief III	\$120.00	Robotic Survey Station	\$ 35.00	Procore Project Management	
Survey Crew Chief IV	\$155.00	Total Station	\$ 30.00	Software (\$/Month/\$1M	
Professional Land Surveyor I	\$145.00	ATV (4-hour minimum)	\$ 35.00	Construction Project Cost)...	\$110.00

OUT OF TOWN WORK

Mileage will be charged at the applicable IRS rate for vehicles, which is \$0.655 per mile for standard highway vehicles as of January 1, 2023. Mileage will be charged at \$0.75 per mile for vans and pickup trucks. Subsistence will be charged either per diem or actual cost, per contract. Lodging will be billed at actual cost.

OTHER

Other miscellaneous, direct, and outside expenses, including special Consultants, will be charged at actual cost plus 10%.

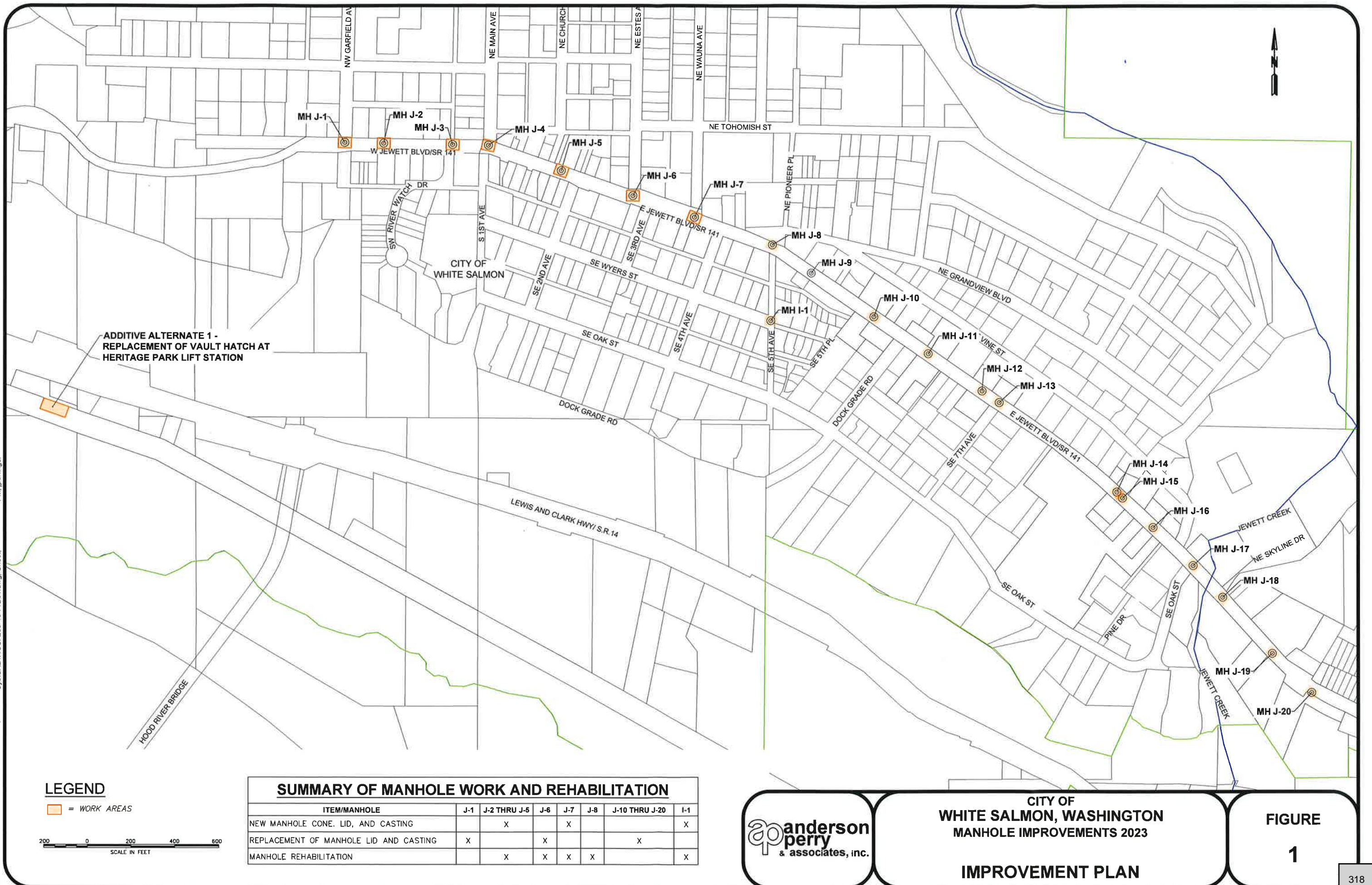
Expert Witness will be charged at two times the standard hourly rate.

All accounts unpaid 30 days after date of invoice may be charged a service fee of 1.0% per month.

This Hourly Fee Schedule is revised annually on or around January 1.

G:\APDocs\Fee Schedules\2023\Hourly Fee Schedule.docx

X:\Clients\White Salmon\WAI250-15 Wastewater Collection Sys\CAD\WCSI-250-15-FIG01.dwg, Sheet, 3/6/2023 1:02 PM, jperinger



WHITE SALMON, WASHINGTON					
MANHOLE IMPROVEMENTS					
ENGINEER'S ESTIMATE					
March 9, 2023					
Base Bid					
NO.	ITEM	UNIT	UNIT PRICE	QTY	TOTAL PRICE
1	Mobilization/Demobilization	LS	\$ 26,900	All Req'd	\$ 26,900
2	Construction Facilities and Temporary Controls	LS	\$ 25,000	All Req'd	\$ 23,000
3	Trench Excavation Safety System	LS	\$ 2,000	All Req'd	\$ 2,000
4	New Manhole Cone, Lid, and Castings	EA	\$ 4,500	6	\$ 27,000
5	Replacement of Manhole Lid and Castings	EA	\$ 2,500	13	\$ 32,500
6	Temporary Asphalt Installation and Removal	SY	\$ 150	20	\$ 3,000
7	Asphalt Removal and Restoration	SY	\$ 300	30	\$ 9,000
8	Pavement Marking Restoration	LS	\$ 2,000	All Req'd	\$ 2,000
9	Manhole Rehabilitation	VLF	\$ 1,500	54	\$ 81,000
			Construction Subtotal		\$ 206,400
			Sales Tax (7.5%)		\$ 15,480
			TOTAL ESTIMATE		\$ 221,880
Additive Alternate 1 - Replacement of Vault Hatch at Heritage Plaza Lift Station					
NO.	ITEM	UNIT	UNIT PRICE	QTY	TOTAL PRICE
1	Mobilization/Demobilization	LS	\$ 4,300	All Req'd	\$ 4,300
2	Replacement of Vault Hatch at Heritage Plaza Lift Station	LS	\$ 16,000	All Req'd	\$ 16,000
3	Asphalt Removal and Restoration at Heritage Plaza Lift Station	SY	\$ 110	115	\$ 12,650
			Construction Subtotal		\$ 32,950
			Sales Tax (7.5%)		\$ 2,471
			TOTAL ESTIMATE		\$ 35,421

File Attachments for Item:

G. Personal Services Contract - Legal Services - Shawn MacPherson



Department Head: SMP
Clerk/Treasurer: SMP
City Administrator: T.L.
Mayor: [Signature]

COUNCIL REPORT



Business Item



Consent Agenda

Needs Legal Review:

Yes, Completed

Meeting Date:

March 15, 2023

Agenda Item:

Personal Services Contract – Legal Services – Knapp,
O'Dell & MacPherson PLLC, Attorneys at Law

Presented By:

Stephanie Porter, Clerk Treasurer

Action Required:

Authorize the mayor the sign the Personal Services Contract for Legal Services with Knapp, O'Dell & MacPherson PLLC, Attorneys at Law.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to authorize the mayor the sign the Personal Services Contract for Legal Services with Knapp, O'Dell & MacPherson PLLC, Attorneys at Law.

Explanation of Issue:

The City's Attorney will retire as of March 31, 2023.

Shawn MacPherson of Knapp, O'Dell & MacPherson PLLC, Attorneys at Law has been on contract with the City of White Salmon for the past year to provide on-call attorney services.

The proposed contract with Knapp, O'Dell & MacPherson PLLC, Attorneys at Law will provide attorney presence at 2 City Council Meetings and 2 Planning Commission Meetings per month. The monthly retainer will be \$1,500 and the on-call rate will be \$250 per hour.

The duration of the contract presented will be April 1, 2023 through December 31, 2023.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Other action as desired by council.

Fiscal Analysis:

The current budget allows for the fees set forth in the current Attorney Services Contract (\$1,200 monthly retainer and \$220 per hour on-call services). The budget will need to be amended to compensate for the increase to the proposed attorney rates (\$1,500 monthly retainer and \$250 per hour on-call services). This is roughly an overall increase of about \$30,000 across all departments based on the payments made for attorney services in 2022.

Staff Recommendation:

Staff recommends authorize the mayor the sign the Personal Services Contract for Legal Services with Knapp, O'Dell & MacPherson PLLC, Attorneys at Law.

PROFESSIONAL SERVICES CONTRACT

PROFESSIONAL SERVICES CONTRACT made this date by and between the CITY OF WHITE SALMON, a municipal corporation organized and existing under the laws of the State of Washington, hereinafter referred to as “City”, and KNAPP, O’DELL & MacPHERSON PLLC, Attorneys at Law, of Camas, Washington, hereinafter referred to as “Attorneys”,

In consideration of the mutual covenants and agreements hereinafter contained, the parties agree as follows:

Section 1. EMPLOYMENT:

1.1 Effective April 1, 2023, City hereby contracts with, retains, and employs Attorneys to render legal services on behalf of City as hereinafter specified.

1.2 The relationship between City and Attorneys is that of employer-independent contractor, and not employer-employee. City shall have no obligation to pay FICA, unemployment compensation, workmen’s compensation or other payroll taxes on the compensation paid to Attorneys.

1.3 The parties acknowledge that it may be necessary from time to time for City to retain other legal counsel. Legal matters requiring other counsel may include bond issues, pension and deferred compensation matters, complex litigation, cases referred to attorneys selected by the City’s insurers, and matters involving specialized areas of practice where the City’s interests would be best served by retaining other counsel. In addition, other counsel may be required if Attorneys have an ethical conflict of interest which precludes representation of the City.

Section 2. BASIC SERVICES:

2.1 The basic services to be provided by Attorneys to City shall include preparation for and attendance at regular City Council meetings, which attendance may be in person or by electronic means.

2.2 As compensation for the professional services to be rendered by Attorneys pursuant to this section, City shall pay Attorneys the sum of \$1,500.00 per month, payable on the last business day of each month during the term of this agreement.

Section 3. ADDITIONAL LEGAL SERVICES:

3.1 In addition to those services provided in Section 2, Attorneys shall provide to the City additional services to include drafting and preparation all ordinances and resolutions, preparation and review of all contracts, deed, legal documents and instruments, preparation for and attendance at planning commission meetings, and rendering legal opinions and such other legal services as City or its duly elected and appointed officials may request or require, with the exception of 1) criminal prosecutions; or 2) code enforcement matters, unless specifically requested by City. As compensation for such services City shall pay Attorneys the sum of \$250.00 per hour.

3.2 The City may further require representation in legal proceedings in the Superior Court, Court of Appeals, and Supreme Court of the State of Washington, the Courts of the United States, and administrative agencies of the municipal, state, and federal government. Additional services shall also include representation of the City after filing of a tort claim notice or other legal claim, and representation of the City in eminent domain cases, with or without the filing of suit. In any such legal proceedings brought by or against the City or its duly authorized officers, Attorneys shall have the responsibility to defend, prosecute on behalf of, or otherwise represent City and its duly authorized officers, unless other Attorneys are retained by the City. It is expressly agreed that all services, including research and preparation for trial, provided by Attorneys in representing City and its duly authorized officers in such legal proceedings are considered extra legal services for which Attorneys shall be entitled to compensation in addition to the basic compensation provided for in Section 2 hereof. Such additional legal services shall be compensated at the rate of \$280.00 per hour.

Section 4. **EXPENSES:** In addition to the compensation to be paid to Attorneys as provided for herein, City shall also bear the following expenses:

(a) The transportation, food, and lodging expenses incurred by Attorneys while on City business, which expenses shall be reimbursed in accordance with City policy for its other employees. Travel time to and from White Salmon for meetings as may be required shall be billed at one-half the rate set forth in Section 3.1 herein.

(b) All filing fees, deposition expenses, service of process fees, and all other expenses or third-party costs incurred by Attorneys in representation of City or its duly elected or appointed officers.

(c) The cost of City of White Salmon stationery and envelopes for use by Attorneys while conducting City business, if applicable.

It is understood and agreed that City is under no obligation except as expressly contained herein to contribute to Attorneys' office expenses. Attorneys shall have access to City's duplicating equipment and other office supplies and equipment when engaged in the business of the City.

Section 5. **DURATION:** This agreement shall commence April 1, 2023, and expire on December 31, 2023. The parties hereto agree to confer and resolve an extension of the terms of this agreement, if mutually acceptable, by no later than November 30, 2023.

Section 6. **INDEMNIFICATION:** City and Attorneys agree that City shall indemnify and hold harmless Attorneys for claims brought by third parties against Attorneys arising out of the performance by Attorneys of their duties under this contract so long as Attorneys are acting within the scope of their authority and in good faith.

Section 7. **MODIFICATION:** This contract contains the entire agreement between the

parties, and no modifications or alteration of this agreement shall be effective unless such modification shall be in writing and signed by the parties.

DATED this _____ day of _____, 2023.

CITY OF WHITE SALMON

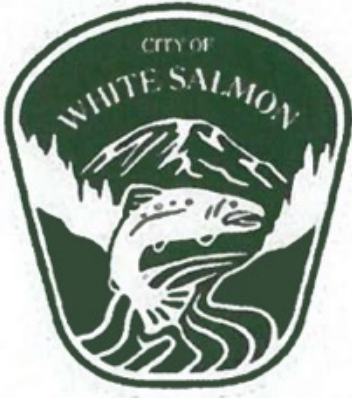
KNAPP, O'DELL & MacPHERSON PLLC

By: _____
Mayor

By: _____
Name: _____

File Attachments for Item:

H. Personal Services Contract - Zaya LLC (\$8,000)



Department Head: SMP
Clerk/Treasurer: SMP
City Administrator: T. L.
Mayor: [Signature]

CITY COUNCIL REPORT

☐ Business Item

☒ Consent Agenda

Needs Legal Review:
Meeting Date:
Agenda Item:
Presented By:

No, unnecessary
March 15, 2023
Personal Services Contracts – Zaya LLC
Stephanie Porter, Clerk Treasurer

Action Required:

Authorization for the mayor to sign Personal Services Contract with Zaya LLC for Outreach Services not to exceed \$8,000.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to authorization for the mayor to sign Personal Services Contract with Zaya LLC for Outreach Services not to exceed \$8,000.

Explanation of Issue:

The City Council approved in the 2023 budget \$8,000 for the contracting of Outreach Services.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.
4. Take No Action
5. Other action as desired by council.

Fiscal Analysis:

The adopted budget contains \$8,000 for this purpose.

Recommendation of Staff/Committee:

Staff Recommends council Authorize for the mayor to sign Personal Services Contract with Zaya, LLC for Outreach Services in the amount not to exceed \$8,000.

Follow Up Action:

Contract signatures and filing.

**PROFESSIONAL SERVICES
CONTRACT BETWEEN THE CITY
OF WHITE SALMON AND
ZAYA, LLC
WA UBI 604-265-514**

THIS AGREEMENT is made by and between the City of White Salmon, a Washington municipal corporation (the "City"), and Zaya LLC, a Washington corporation (the "Consultant").

RECITALS

WHEREAS, the City is presently desires that the Consultant perform services necessary to provide the following consultation services; and

WHEREAS, the Consultant agrees to perform the services more specifically described in the Scope of Work including any addenda thereto as of the effective date of this Agreement, all of which are attached hereto as **Exhibit A – Scope of Work and Fees**, and are incorporated by this reference as if fully set forth herein;

NOW, THEREFORE, in consideration of the mutual promises set forth herein, it is agreed by and between the parties as follows:

TERMS

1. **Retention of Consultant - Scope of Work.** The City hereby retains the Consultant to provide professional services as defined in this Agreement and as necessary to accomplish the scope of work attached hereto as **Exhibit A** and incorporated herein by this reference as if set forth in full. The Consultant shall furnish all services, labor and related equipment necessary to conduct and complete the work, except as specifically noted otherwise in this Agreement.

2. **Payment.**

A. The City shall pay the Consultant an amount based on time and materials, not to exceed \$8,000 for the services described in Section 1 herein. This is the maximum amount to be paid under this Agreement for the work described in **Exhibit A**, and shall not be exceeded without the prior written authorization of the City in the form of a negotiated and executed supplemental agreement. The Consultant's staff and billing rates shall be as described in **Exhibit A – Schedule of Rates and Estimated Hours**. The Consultant shall not bill for Consultant's staff not identified or listed in **Exhibit A** or bill at rates in excess of the hourly rates shown in **Exhibit A**, unless the parties agree to a modification of this Contract, pursuant to Section 17 herein.

B. The Consultant shall submit monthly invoices to the City after such services have been performed, and a final bill upon completion of all the services described in this Agreement. The City shall pay the full amount of an invoice within 45 days of receipt. If the City objects to all or any portion of any invoice, it shall so notify the Consultant of the same within 15 days from the date of receipt and shall pay that portion of the invoice not in dispute, and the parties shall immediately make every effort to settle the disputed portion.

3. **Duration of Work.** The City and the Consultant agree that work will begin on the tasks described in **Exhibit A** immediately upon execution of this Agreement. The parties agree that the work described in **Exhibit A** shall be completed by December 31, 2023; provided however, that additional time shall be granted by the City for excusable days or extra work. Further, the parties may extend the duration of this Agreement consistent with the terms of Section 17 below.

4. **Termination.** The City reserves the right to terminate this Agreement at any time upon ten (10) days written notice to the Consultant. Any such notice shall be given to the address specified above. In the event that this Agreement is terminated by the City other than for fault on the part of the Consultant, a final payment shall be made to the Consultant for all services performed. No payment shall be made for any work completed after ten (10) days following receipt by the Consultant of the notice to terminate. In the event that services of the Consultant are terminated by the City for fault on part of the Consultant, the amount to be paid shall be determined by the City with consideration given to the actual cost incurred by the Consultant in performing the work to the date of termination, the amount of work originally required which would satisfactorily complete it to date of termination, whether that work is in a form or type which is usable to the City at the time of termination, the cost of the City of employing another firm to complete the work required, and the time which may be required to do so.

5. **Non-Discrimination.** The Consultant agrees not to discriminate against any customer, employee or applicant for employment, subcontractor, supplier or materialman, because of race, color, creed, religion, national origin, marital status, sex, sexual orientation, age or handicap, except for a bona fide occupational qualification. The Consultant understands that if it violates this provision, this Agreement may be terminated by the City and that the Consultant may be barred from performing any services for the City now or in the future.

6. **Independent Status of Consultant.** The parties to this Agreement, in the performance of it, will be acting in their individual capacities and not as agents, employees, partners, joint ventures, or associates of one another. The employees or agents of one party shall not be considered or construed to be the employees or agents of the other party for any purpose whatsoever.

7. Indemnification.

A. The Consultant shall defend, indemnify and hold the City, its officers, officials, employees and volunteers, harmless from any and all claims, injuries, damages, losses or suits including attorneys fees, arising out of or resulting from the negligent or wrongful acts, errors or omissions of the Consultant in performance of this Agreement, except for injuries and damages caused by the sole negligence of the City.

B. In the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Consultant and the City, its officers, officials, employees or volunteers, the Consultant's liability, including the duty and cost to defend, hereunder shall be only to the extent of the Consultant's negligence. It is further specifically and expressly understood that the indemnification provided herein constitutes the Consultant's waiver of immunity under Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Agreement.

8. Insurance.

A. The Consultant shall procure and maintain for the duration of the Agreement, insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Consultant, its agents, representatives, or employees.

B. No Limitation. The Consultant's maintenance of insurance as required by this Agreement shall not be construed to limit the liability of the Consultant to the coverage provided by such insurance, or otherwise limit the City's recourse to any remedy available at law or in equity.

C. Minimum Scope of Insurance. The Consultant shall obtain at no cost to the City and maintain said insurance in force for the duration of this agreement, insurance of the types described below.

1. Professional Liability insurance appropriate to the Professional's profession.

D. Minimum Amounts of Insurance. The Consultant shall maintain the following insurance limits:

1. Professional Liability insurance shall be written with limits no less than \$1,000,000 per claim.

E. Other Insurance Provisions. The insurance policies are to contain, or be endorsed to contain, the following provisions for Automobile Liability, Professional Liability and Commercial General Liability insurance as required in section C and D:

1. The Consultant's insurance coverage shall be primary insurance as respect to the City. Any insurance, self-insurance, or insurance pool coverage maintained by the City shall be excess of the Consultant's insurance and shall not contribute to it.
2. The City will not waive its right to subrogation against the Consultant. The Consultant's insurance shall be endorsed acknowledging that the City will not waive its right to subrogation. The Consultant's insurance shall be endorsed to waive the right of subrogation against the City, or any self-insurance, or insurance pool coverage maintained by the City.
3. The Consultant's insurance shall be endorsed to state that coverage shall not be cancelled by either party, unless thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.
4. If any coverage is written on a "claims made" basis, then a minimum of a three (3) year extended reporting period shall be included with the claims made policy, and proof of this extended reporting period provided to the City.

F. Acceptability of Insurers. Insurance is to be placed with insurers with a current A.M. Best rating of not less than A:VII and licensed to conduct business in the State of Washington.

Verification of Coverage. The Consultant shall furnish the City with original certificates and a copy of the amendatory endorsements, including but not necessarily limited to the additional insured endorsement, evidencing the insurance requirements of the Consultant before commencement of the work.

9. Ownership and Use of Work Product. Any and all documents, drawings, reports, and other work product produced by the Consultant under this Agreement shall become the property of the City upon payment of the Consultant's fees and charges therefore. The City shall have the complete right to use and re-use such work product in any manner deemed appropriate by the City, provided, that use on any project other than that for which the work product is prepared shall be at the City's risk unless such use is agreed to by the Consultant.

10. City's Right of Inspection. Even though the Consultant is an independent contractor with the authority to control and direct the performance and details of the work authorized under this Agreement, the work must meet the approval of the City and shall be subject to the City's general right of inspection to secure the satisfactory completion thereof. The Consultant agrees to comply with all federal, state, and municipal laws, rules, and regulations that are now effective or become applicable within the terms of this Agreement to the Consultant's business, equipment, and personnel engaged in operations covered by this Agreement or accruing out of the performance of such operations.

11. Records.

A. The Consultant shall keep all records related to this Agreement for a period of three years following completion of the work for which the Consultant is retained. The Consultant shall permit any authorized representative of the City, and any person authorized by the City for audit purposes, to inspect such records at all reasonable times during regular business hours of the Consultant. Upon request, the Consultant will provide the City with reproducible copies of any such records. The copies will be provided without cost if required to substantiate any billing of the Consultant, but the Consultant may charge the City for copies requested for any other purpose.

B. Consultant acknowledges that the City is an agency governed by the public records disclosure requirements set forth in chapter 42.56 RCW. Consultant shall fully cooperate with and assist the City with respect to any request for public records received by the City concerning any public records generated, produced, created and/or possessed by Consultant and related to the services performed under this Agreement. Upon written demand by the City, the Consultant shall furnish the City with full and complete copies of any such records within ten business days. Consultant's failure to timely provide such records upon demand shall be deemed a material breach of this Agreement. To the extent that the City incurs any monetary penalties, attorneys' fees, and/or any other expenses as a result of such breach, the Consultant shall indemnify and hold harmless the City as set forth in Section 7. For purposes of this section, the terms "public records" and "agency" shall have the same meaning as defined by chapter 42.56 RCW, as construed by Washington courts.

C. The provisions of this section shall survive the expiration or termination of this Agreement.

12. Work Performed at the Consultant's Risk. The Consultant shall take all precautions necessary and shall be responsible for the safety of its employees, agents, and subconsultants in the performance of the work hereunder and shall utilize all protection necessary for that purpose. All work shall be done at the Consultant's own risk, and the Consultant shall be responsible for any loss of or damage to materials, tools, or other articles used or held by the Consultant for use in connection with the work.

13. Non-Waiver of Breach. The failure of the City to insist upon strict performance of any of the covenants and agreements contained herein, or to exercise any option herein conferred in one or more instances shall not be construed to be a waiver or relinquishment of said covenants, agreements, or options, and the same shall be and remain in full force and effect.

14. Resolution of Disputes and Governing Law.

A. Should any dispute, misunderstanding, or conflict arise as to the terms and conditions contained in this Agreement, the matter shall first be referred to the City Engineer or Director of Operations and the City shall determine the term or provision's true intent or meaning. The City Engineer or Director of Operations shall also decide all questions which may arise between the parties relative to the actual services provided or to the sufficiency of the performance hereunder.

B. If any dispute arises between the City and the Consultant under any of the provisions of this Agreement which cannot be resolved by the City Engineer or Director of Operations determination in a reasonable time, or if the Consultant does not agree with the City's decision on the disputed matter, jurisdiction of any resulting litigation shall be filed in Pierce County Superior Court, Pierce County, Washington. This Agreement shall be governed by and construed in accordance with the laws of the State of Washington. The prevailing party in any such litigation shall be entitled to recover its costs, including reasonable attorney's fees, in addition to any other award.

15. Written Notice. All notices required to be given by either party to the other under this Agreement shall be in writing and shall be given in person or by mail to the addresses set forth below. Notice by mail shall be deemed given as of the date the same is deposited in the United States mail, postage prepaid, addressed as provided in this paragraph.

CONSULTANT:
Zaya, LLC
5 Dawn
White Salmon, WA 98672

CITY:
City of White Salmon
PO Box 2139
White Salmon, WA

16. Subcontracting or Assignment. The Consultant may not assign or subcontract any portion of the services to be provided under this Agreement without the express written consent of the City.

17. Entire Agreement. This Agreement represents the entire integrated agreement between the City and the Consultant, superseding all prior negotiations, representations or agreements, written or oral. This Agreement may be modified, amended, or added to, only by written instrument properly signed by both parties hereto. If extending the duration of the Agreement only, the parties may agree to such duration extension by written instrument approved and signed by the Consultant and by the City of White Salmon if all other terms of the Agreement are unchanged and remain in full force and effect for the entire new duration of the Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement this _____
day of _____, 2023.

CONSULTANT: Zaya, LLC

CITY OF WHITE SALMON

By: _____
Diana Klochkova, Owner

By: _____
Marla Keethler, Mayor

ATTEST:

Exhibit A – Scope of Work and Fees

SCOPE

Consultant and its subcontractors will be available to perform services as requested by City representatives. This includes but is not limited to:

- Communications copywriting and content development for digital and traditional channels
- Communications strategy support
- Design and graphics creation
- City branding development

RATE

Consultant will charge \$110 per hour for all consulting services, including hours worked by any subcontractors.

CAPACITY

Consultant's services are provided on an hourly basis. Without a retainer and with limited overall annual budget, Consultant cannot guarantee staff availability or rapid turnaround on last –minute requests. Typical response times may be 1 –2 business days, and advance notice is required for time –sensitive deliverables (briefing in the request at least 1 week prior to the deadline for most cases). Written communication over email is strongly preferred, with scheduled meetings over Zoom or in person when needed.

STAFFING

Zaya reserves the right to utilize any of its subcontractors with the necessary skills and availability to fulfill specific tasks for the City. The City may request reassignment of specific subcontractors should they be dissatisfied with their services.

File Attachments for Item:

I. Approval of Meeting Minutes - March 1, 2023



CITY OF WHITE SALMON
City Council Meeting – Wednesday, March 1, 2023
In Person and Via Zoom Teleconference

Council and Administrative Personnel Present

Council Members:

Patty Fink
Jason Hartmann
David Lindley

Staff Present:

Jeff Cooper, Acting Public Works Manager
Mike Hepner, Police Chief
Bill Hunsaker, Fire Chief/Code Enforcement
Marla Keethler, Mayor
Stephanie Porter, Clerk Treasurer
Troy Rayburn, City Administrator
Shawn MacPherson, City Attorney

I. Call to Order and Roll Call

Mayor Marla Keethler called the meeting to order at 6:00p.m. There were approximately 4 members of the public in attendance in person and via teleconference.

Moved by Jason Hartmann. Seconded by David Lindley.

Motion to excuse Council Member Jim Ransier and Council Member Ben Giant from the March 1, 2023 Council Meeting.

CARRIED 3-0

II. Changes to the Agenda

Staff requested removal of consent agenda items B. Personal Services Contract Outreach Services and add Consent Agenda Item F. Workshop Minutes – E/V Charging Station – February 1, 2023.

Moved by Jason Hartmann. Seconded by David Lindley.

Motion to remove consent agenda items B. Personal Services Contract Outreach Services and add Consent Agenda Item F. Workshop Minutes – E/V Charging Station – February 1, 2023.

Carried 3-0

III. Consent Agenda

A. Proclamation - March 2023 Red Cross Month

~~B. Personal Services Contract Outreach Services~~

C. Approval of Meeting Minutes - February 1, 2023

D. Approval of Meeting Minutes - February 15, 2023

E. Approval of Vouchers

F. Workshop Minutes – E/V Charging Station – February 1, 2023

Vouchers audited and certified as required by RCW 42.24.080 and expense reimbursement claims as required by RCW 42.24.090 as of this 1st day of March 2023.

Type	Date	From	To	Amount
Claims	3/1/2023	38957	38982	64,302.82
	3/1/2023	EFT	EFT	5,666.00
			Claims Total	69,968.82
Payroll	2/21/2023	EFT	EFT	80,860.69
	3/6/2023			
			Payroll Total	80,860.69
Manual Claims	12/31/2022	EFT	EFT	10,169.56
	2/22/2023	38951	38952	3,065.35
	2/28/2023	38953	38956	77,033.24
			Manual Total	90,268.15
			Total All Vouchers	241,097.66

Stephanie Porter requested the language in the February 15 2023 meeting minutes be changed to “WSVPMPD is requesting \$3.7 million in state funding for the new pool.”.

Moved by Jason Hartmann. Seconded by Patty Fink.

Motion to approve Consent Agenda as amended with vouchers in the amount of \$241,097.66. CARRIED 3-0.

IV. Public Comment

Adrienne Grimm, White Salmon Resident

Adrienne Grimm is in favor of the Childcare center in the park center building. She would like to see the city move childcare from a strategic priority and move it to a finding priority.

It was noted that her water billing has doubled and she would like to see the council revisit water rates and base them on usage.

V. Presentation

Women’s History Month

During the late 1970s and into the 1980s, the Northwest Women’s History Project was formed to conduct oral histories with women whose labor in the Portland, Oregon, shipyards was crucial to the Allies’ success in defeating nations ruled by fascist governments in World War II.

The Northwest Women's History Project contacted 200 women, interviewed 35 of them, and used those first-person accounts to create the multimedia presentation Good Work, Sister! That presentation has been used for educational purposes in various settings and formats for four decades. A portion of the presentation was shown at the council meeting.

VI. Business Items

A. Ordinance 2023-03-1127 Amending WSMC 9.08 Weapons

Chief Hepner presented the updates proposed. He noted that the ordinance would add language about discharging weapons in city limits and update the rest of the code to mimic the Washington State RCW.

Moved by Patty Fink. Seconded by Jason Hartmann.

***Motion to adopt Ordinance 2023-03-1127 Amending WSMC 9.08 Weapons
CARRIED 3-0.***

B. Ordinance 2023-03-1128 Creating WSMC 2.02 City Hall and 2.02.010 City Hall Hours

Troy Rayburn, City Administrator presented the proposed changes the presented ordinance. He highlighted the change of City Hall business hours to Tuesday through Friday 8:30am to 5:00pm with a designated lunch hours closure from 12noon to 1:00pm.

He noted that the City Hall staff would continue to work Monday through Friday 8:00am to 5:00pm. The change in business hours is meant to offer City Hall staff an opportunity to have a designated workday and a 30-minute period of time in the beginning of the workday to plan their day.

City staff confirmed that the lunch hour closure would be utilized on an as needed basis and that that residents will be notified in advance through the website, email alerts, Voyent! Alert and an advertisement in the newspaper.

Moved by David Lindley. Seconded by Jason Hartmann.

Motion to adopt Ordinance 2023-03-1128 Creating WSMC 2.02 City Hall and 2.02.010 City Hall Hours. CARRIED 3-0.

C. Ordinance 2023-03-1129 Creating WSMC 2.40.050 Notary Public Services

Stephanie Porter, Clerk Treasurer presented the information proposed regarding notary public services.

Staff is proposing City Hall offer limited Notary Public Services to the community. These services would be available Tuesday and Wednesdays from 9:00am to 12 noon. A fee of \$10 per stamp will be assessed.

Moved by Jason Hartmann. Seconded by David Lindley.

Motion to adopt Ordinance 2023-03-1129 Creating WSMC 2.40.050 Notary Public Services. CARRIED 3-0.

D. Ordinance 2023-03-1130 Amending WSMC 10.28 Truck Unloading Zones

Chief Hepner presented the updates proposed. He noted that the ordinance would clean up the current code, which is confusing and difficult to enforce. It also adds a towing as an option.

Moved by Patty Fink. Seconded by Jason Hartmann.

Motion to adopt Ordinance 2023-03-1130 Amending WSMC 10.28 Truck Unloading Zones. CARRIED 3-0.

E. Ordinance 2023-03-1131 Repealing WSMC 10.12 Compression Brakes

Chief Hepner presented the updates proposed. He noted that the ordinance would remove the section in its entirety as it is already covered in RCW 46.37.395.

Moved by David Lindley. Seconded by Patty Fink.

Motion to adopt Ordinance 2023-03-1131 Repealing WSMC 10.12 Compression Brakes. CARRIED 3-0.

VII. Reports and Communications

A. Department Heads

Mike Hepner, Police Chief

Confirmed no applicants have applied for the vacant police officer position.

Bill Hunsaker, Fire Chief and Building Official

The Fire Task Force has submitted their final report to both Klickitat Fire District 3 and the City of White Salmon. The joint meeting is anticipated for the first part of April 2023.

Jeff Cooper, Interim Public Works Operation Manager

New Public Works Maintenance employee started. Excited about the experience he brings in landscaping and as a master gardener.

Stephanie Porter, Clerk Treasurer

Sweet Gum Tree Maintenance awarded to Klickitat Tree Operations have been issued a notice to proceed.

The Public Works Board Loan Contract has been completed and the Notice to Proceed for the Phase 1 Transmission Main Line has been issued.

Council requested information about the Mailbox Delivery. Mayor Keethler gave a brief update as to the current moving parts.

Shawn MacPherson, City Attorney

Noted that he will be working with the city for the remainder of 2023.

B. Council Members

Patty Fink, Council Member

Provided updates on the Community Clean up events in April.

Provided an update on E/V Charging station grant research she has been initiating to bring a level 4 charger to White Salmon.

C. Mayor

Mayor Keethler gave an update on numerous current projects including the expansion of the manhole project, the park splash pad, childcare discussion, Fire Task Force and the Housing Action Plan.

Mayor Keethler noted the Transportation System Plan survey is available. There will be a workshop in Spring 2023 to review the results and the draft TSP.

VIII. Executive Session

No executive session needed.

IX. Adjournment

The meeting was adjourned at 7:01 p.m.

Marla Keethler, Mayor

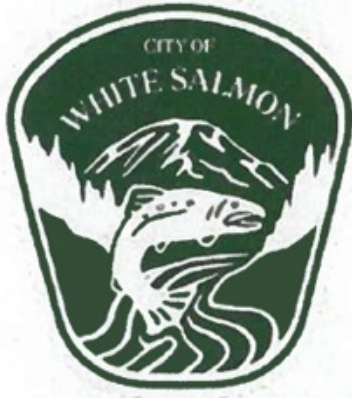
Stephanie Porter, Clerk Treasurer

File Attachments for Item:

A. Ordinance 2023-03-1132 Adopting WSMC 10.01 Definitions and Amending WSMC 10.24 Motor Scooters

1. Presentation and Discussion

2. Action



Department Head:	MH
Clerk/Treasurer:	SMP
City Administrator:	T.R.
Mayor:	MMK

CITY COUNCIL REPORT

☒ Business Item

☐ Consent Agenda

Needs Legal Review:
Meeting Date:
Agenda Item:
Presented By:

Yes, completed
March 15th, 2023
Ordinance 2023-03-1132 WSMC CH 10 Changes
Mike Hepner, Chief of Police

Action Required:

Adopt Ordinance 2023-03-1132, Adopting WSMC Chapter 10.01 Definitions for the City of White Salmon Municipal Code Traffic and Vehicles Title and Amending Chapter 10.34 Motor Scooters.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to adopt Ordinance 2023-03-1132 Adopting WSMC Chapter 10.01 Definitions and Amending WSMC 10.34 Motor Scooters.

Explanation of Issue:

Attached is the final amendment to Municipal Code Chapter 10.01 and 10.34 for the City of White Salmon to include the following amendments:

Chapter 10.01: adding definitions section to the Traffic and Vehicle Title.

10.34.010 Definition: repealed, definition has been moved to 10.01.050

10.34.020-030: adding electric-assisted bicycles to the motorized foot scooter chapter. Requiring electric-assisted bicycles to follow the same regulations as motorized foot scooters.

The code has been updated to maintain consistency and add Electric-assist bicycles to the Municipal Code.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.

Fiscal Analysis:

There are no Financial Implications

Recommendation of Staff/Committee:

Staff recommended the council approve the adoption of Ordinance 2023-03-1132, Municipal Code Chapter 10.01 and 10.34 for the City of White Salmon.

CITY OF WHITE SALMON WASHINGTON
ORDINANCE NO. 2023-03-1132

**AN ORDINANCE ADOPTING WSMC CH 10.01 DEFINITIONS AND AMENDING
WSMC 10.34 MOTOR SCOOTERS**

WHEREAS, the City Council of the City of White Salmon wishes to eliminate redundancy and avoid confusion in the White Salmon Municipal Code (WSMC).

WHEREAS, the City finds that the adoption of a definitions chapter within the Traffic section of the WSMC is necessary to clarify WSMC and increase the compliance of City residents; and

WHEREAS, WSMC Section 10.34.010 contains the definition of “Motor Foot Scooter” that is duplicative of the definition in the adopted definition chapter.

WHEREAS, The City finds it necessary to amend WSMC Ch. 10.34 to add restrictions for “Electric-assisted bicycle”.

NOW, THEREFORE, the City of White Salmon do ordain as follows:

SECTION 1. White Salmon Municipal Code Chapter 10.01 Definitions, is hereby adopted as follows:

Chapter 10.01 Definitions

10.01.010 Generally.

For the purpose of this chapter, the following words and phrases shall have the meanings respectively ascribed to them in this chapter, except in those instances where the context clearly indicates a different meaning.

10.01.020 Bicycle.

“Bicycle” means every device propelled solely by human power upon which a person or persons may ride, having two tandem wheels either of which is sixteen inches or more in diameter, or three wheels, any one of which is twenty inches or more in diameter.

10.01.030 Electric-assisted bicycle

“Electric-assisted bicycle” means a bicycle with two or three wheels, a saddle, fully operative pedals for human propulsion, and an electric motor. The electric-assisted bicycle's electric motor must have a power output of no more than seven hundred fifty watts.

10.01.040 Motor Vehicle.

“Motor vehicle” means every vehicle as defined in this chapter which is self-propelled.

10.01.050 Motorized foot scooter.

“Motorized foot scooter” means a device with no more than two ten-inch or smaller diameter wheels that has handlebars, is designed to be stood or sat upon by the operator and is powered by an electric motor or gas internal combustion engine that is capable of propelling the device with or without human propulsion.

10.01.060 Operator.

“Operator” means any person who drives or operates a motor vehicle.

10.01.070 Owner.

“Owner” means a person who holds legal title of a vehicle, or in the event the vehicle being purchased under conditional sales contract or leased with the right of purchase upon performance of conditions stated in the agreement and with the immediate right of possession vested in the purchaser or lessee or the mortgagee, as the case may be, such person is the owner for the purpose of this chapter.

10.01.080 Parking.

"Park or parking" means the standing of a vehicle, whether occupied or not, otherwise than temporarily for the purpose of and while actually engaged in loading or unloading property or passengers.

10.01.090 Person.

“Person” means any individual, male or female, corporation or company owning or operating any vehicle upon the city streets.

10.01.100 Roller skates or skateboard.

"Roller skates" or "skateboard" means a device or devices, whether manufactured or self-manufactured, incorporating one or more wheels thereunder, used for the purpose of transporting a person or persons as a vehicular mechanism.

10.01.110 Street.

“Street” means any avenue, way, boulevard, drive, highway, alley, bridge or any and all places open to the public for the purpose of vehicular travel. “Street” does not include a roadway or driveway upon ground owned by private person or persons.

10.01.120 Vehicle.

“Vehicle” means every device in, upon or by which any person or property is or may be transported or drawn upon the public streets excepting devices moved upon stationary rails or tracks.

SECTION 2: AMENDING CHAPTER 10.34 MOTORIZED FOOT SCOOTERS

Chapter 10.34 is hereby amended as follows:

Key: Underlined = New language
~~Strikethrough~~ = Deleted language

CHAPTER 10.34 MOTORIZED FOOT SCOOTERS AND ELECTRIC-ASSISTED BICYCLES

10.34.010—Definition.

~~Motorized foot scooter means a device with no more than two ten-inch or smaller diameter wheels that has handle bars, is designed to be stood or sat upon by the operator, and is powered by an electric motor or gas internal combustion engine that is capable of propelling the device with or without human propulsion.~~

10.34.020 - Areas of operation.

Except as otherwise provided in this chapter, motorized foot scooters **and electric-assisted bicycles** may be operated on roadways, shoulders and alleys, and shall be prohibited in the following locations:

- A. On any city street with a posted maximum speed limit greater than twenty-five miles per hour;
- B. On any sidewalk;
- C. On any bicycle lane, **except electric-assisted bicycles**; and
- D. On any multi-purpose trail.

10.34.030 - Rules of operation.

Section 1. Age Restriction. No person under sixteen years of age may operate a motorized foot scooter **or electric-assisted bicycle** on any roadway, shoulder or alley.

Section 2. No Passengers Permitted. No motorized foot scooter or **electric-assisted bicycle** shall be operated with any passenger or other person in addition to the operator.

Section 3. Reflectors and Headlights Required. Pursuant to RCW 46.20.500, a motorized foot scooter **and electric-assisted bicycle** must be affixed with visible reflectors of a type approved by the Washington State Patrol whenever the device is operated at any time between one-half hour after sunset until one-half hour before dawn. In addition, the operator of a motorized foot scooter shall utilize an operable headlight affixed to the scooter whenever the device is operated at any time between one-half hour after sunset until one-half hour before dawn.

Section 4. Duty to Obey Traffic Control Devices and Rules of the Road. Any person operating a motorized foot scooter **or electric-assisted bicycle** shall obey all rules of the road applicable to vehicle or pedestrian traffic, as well as the instructions of official traffic control signals, signs and other control devices applicable to vehicles.

Section 5. Noise Restriction. Operation of motorized foot scooters is subject to White Salmon Municipal Code Chapter 8.05 entitled Noise Disturbances. Operation of a gas motorized foot scooter without a muffling device, or operation with a modified muffling device is prohibited.

Section 6. Helmets Required. Any person operating a motorized foot scooter **or electric-assisted bicycle** upon any public street or way in the City of White Salmon shall wear a helmet designed for safety that meets or exceeds the requirements of standard Z.90.4 set by the American National

Standard Institute, or a subsequent nationally recognized standard for helmet performance, as the City of White Salmon may adopt by resolution. The helmet shall be worn over the head of the operator and equipped with either a neck or chin strap which shall be fastened securely while the motorized foot scooter is in motion.

Section 7. Responsibility. No person shall do any act forbidden by this chapter or fail to perform any act required by this chapter. The parent of any child and the guardian of any ward shall not authorize or knowingly permit any child or ward to violate any of the provisions of this chapter.

10.34.040 - Violation—Penalty.

Any person violating this chapter shall be guilty of a civil infraction, and upon conviction thereof, shall be punished by the imposition of a monetary penalty of one hundred ~~not more than two hundred fifty~~ dollars.

SECTION 3: EFFECTIVE DATE

This ordinance shall become effective five days after publication as provided by law.

SECTION 4: SEVERABILITY

If any part of this ordinance is declared unconstitutional or otherwise invalid for any reason, the remaining provisions shall be construed to be effective after removing the objectionable provision(s).

Passed by the Council and approved by the Mayor on this 15th day of March, 2023.

ATTEST:

Marla Keethler, Mayor

Stephanie Porter, Clerk Treasurer

APPROVED AS TO FORM:

Kenneth B. Woodrich, City Attorney

File Attachments for Item:

B. Ordinance 2023-03-1133 Amending WSMC 10.08 Speed Limits

1. Presentation and Discussion

2. Action



Department Head:	MH
Clerk/Treasurer:	<i>[Signature]</i> SMP
City Administrator:	<i>[Signature]</i>
Mayor:	<i>[Signature]</i>

CITY COUNCIL REPORT

☒ Business Item

Needs Legal Review:
Meeting Date:
Agenda Item:

Presented By:

☐ Consent Agenda

Yes, completed
March 15th, 2023
Ordinance 2023-03-1133 Amending WSMC 10.08 Speed Limits
Mike Hepner, Chief of Police

Action Required:

Adoption of Ordinance 2023-03-1133 Amending WSMC 10.08 Speed Limits.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to adopt Ordinance 2023-03-1133, Amending Chapter 10.08 Speed Limits for the City of White Salmon Municipal Code.

Explanation of Issue:

Attached is the final amendment to Municipal Code Chapter 10.08 for the City of White Salmon to include the following amendments:

10.08.010 - State Route 14 and 141 Speed Limits: (1.) Created a new section for SR-14 speed limits 10.08.020 and moved 10.08.010(1) to that section.

10.08.030 - Public works director signing authority: Repealed for redundancy. RCW 46.61.415 defines cities' authority to establish speed limits and sign authority.

10.08.040 - Penalties: Repealed for redundancy. Speeding violations are defined in RCW 46.61.400 and the penalty schedule is outlined by the state in IRLJ 6.2.

10.08.050 – Waubish Street: Reworded section.

10.08.070 - N.E. Tohomish Street: 10.080.070(B) Repealed, pertains to one-way streets and does not belong in Speed Limit chapter.

The code has been updated to maintain consistency and clarify the Municipal Code.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.

Fiscal Analysis:

There are no Financial Implications

Recommendation of Staff/Committee:

Staff recommended the council approve the adoption of Ordinance 2023-03-1133, Municipal Code Chapter 10.08 for the City of White Salmon.

**CITY OF WHITE SALMON WASHINGTON
ORDINANCE NO. 2023-03-1133**

**AN ORDINANCE AMENDING VEHICLE CODE SECTION WSMC CH 10.08
REGARDING SPEED LIMITS**

WHEREAS, the City Council of the City of White Salmon wishes to maintain the safety and welfare of city residents by restructuring WSMC 10.08.

WHEREAS, the City finds that amendments are necessary to clarify WSMC 10.08 and increase compliance of City residents; and

NOW, THEREFORE, the City of White Salmon do ordain as follows:

SECTION 1. White Salmon Municipal Code (WSMC) Chapter 10.08, Speed Limits is hereby amended as follows:

Key: ~~**Bold and Strike through**~~ means repealed. **Bold and underline** means new

Chapter 10.08 – Speed Limits

Sections:

10.08.050 – Maximum speed limit.

The maximum speed limit on all streets within the City of White Salmon shall be 20 miles per hour unless posted and designated differently within this code.

10.08.010 - State Route 141 ~~speed limits.~~

~~**There shall be and are established the following speed limits, which shall be applicable to the areas within the corporate limits on the city, as hereinbelow specified:**~~

- ~~**1. From the west city limits upon State Route No. 14 to the east city limits on State Route No. 14, the speed limit shall be designated as forty miles per hour;**~~
1. From the east city limits, on State Route 141, to M.P. 0.94 (0.04 miles south of SE Seventh Ave.), the speed limit shall be designated as thirty-five miles per hour.
2. From M.P. 0.94 (0.04 miles south of SE Seventh Ave.) to M.P. 1.24 (approximately NE Grandview Ave.) on State Route 141, the speed limit shall be designated as twenty-five miles per hour.
3. From M.P. 1.24 (approximately NE Grandview Ave.) to M.P. 1.64, .03 miles north of the junction of Garfield Street on State Route ~~No.~~ 141, the speed limit shall be designated as twenty miles per hour.

4. On State Route ~~No.~~ 141 beginning at M.P. 1.64, .03 miles north of junction of Garfield and running within the city limits to M.P. 2.52 the speed limit shall be designated as thirty miles per hour.

10.08.020 State Route 14

From the west city limits upon State Route ~~No.~~ 14 to the east city limits on State Route ~~No.~~ 14, the speed limit shall be designated as forty miles per hour;

~~10.08.030 – Public works director signing authority.~~

~~The city public works director is authorized and directed to place signage on city rights-of-way for the speed limits established in this Chapter WSMC 10.08 consistent with the Model Uniform Traffic Control Device requirements for speed signage.~~

~~10.08.040 – Penalties for violation.~~

~~Any violation of the basic rule set forth in RCW 46.61.400(1) or of a speed limit established in this WSMC Ch. 10.08 shall constitute a traffic infraction, and shall be punishable as according to the monetary penalties established in RCW 46.63.110 which is incorporated herein by this reference.~~

10.08.050 - Waubish Street.

The speed limit on Waubish Street shall be fifteen miles per hour.

~~There is imposed a speed limit of fifteen miles per hour on Waubish Street for its entire length.~~

10.08.060 - N.E. Center Street.

The speed limit on N.E. Center Street, from the intersection of Orchard Street to the intersection with O'Keefe Street shall be fifteen miles per hour when children are present and otherwise shall be twenty miles per hour.

10.08.070 - N.E. Tohomish Street.

A. The speed limit on N.E. Tohomish Street, from the intersection of Orchard Street to the intersection with O'Keefe Street shall be fifteen miles per hour when children are present and otherwise shall be twenty miles per hour.

~~B. — Traffic between Church Street and Main Street shall be one-way from West to East.~~

10.08.080 - O'Keefe Street.

The speed limit on O'Keefe Street, beginning at the intersection with N.E. Tohomish Street to the intersection of N.E. Center Street shall be fifteen ~~(15)~~ miles per hour when children are present and otherwise shall be twenty miles per hour.

10.08.090 - Lincoln Street.

The speed limit on Lincoln Street shall be fifteen miles per hour from Garfield Street west to the intersection with El Camino Real. ~~From El Camino Real to SR 141 the speed limit shall be twenty miles per hour.~~

10.08.100 - Dock Grade Road.

- A. The speed limit on Dock Grade Road shall be thirty miles per hour from its intersection with SR 14 to the left hand bend in the road prior to the residential area;
- B. The speed limit on Dock Grade Road shall be twenty miles per hour from the beginning of the left hand ~~turn~~ **bend** prior to the residential area to its intersection with SR 141.

10.08.110 – Estes Avenue.

The speed limit on NE Estes Avenue from Jewett Blvd. to Spring Street shall be twenty-five miles per hour.

SECTION 2: EFFECTIVE DATE

This ordinance shall become effective five days after publication as provided by law.

SECTION 3: SEVERABILITY

If any part of this ordinance is declared unconstitutional or otherwise invalid for any reason, the remaining provisions shall be construed to be effective after removing the objectionable provision(s).

Passed by the Council and approved by the Mayor on this 15th day of March, 2023.

ATTEST:

Marla Keethler, Mayor

Stephanie Porter, Clerk Treasurer

APPROVED AS TO FORM:

Kenneth B. Woodrich, City Attorney

File Attachments for Item:

C. Ordinance 2023-03-1134 Amending WSMC 10.16 Turning Restrictions

1. Presentation and Discussion

2. Action



Department Head:	MH
Clerk/Treasurer:	<i>[Signature]</i> SMP
City Administrator:	<i>[Signature]</i> T.P.
Mayor:	<i>[Signature]</i>

CITY COUNCIL REPORT

☒ Business Item

☐ Consent Agenda

Needs Legal Review:
Meeting Date:
Agenda Item:

Yes, completed
March 15th, 2023
Ordinance 2023-03-1134 Amending WSMC 10.16 Turning
Restrictions
Presented By: Mike Hepner, Chief of Police

Action Required:

Adoption of Ordinance 2023-03-1134 Amending WSMC 10.16 Turning Restrictions.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to adopt Ordinance 2023-03-1134, Amending Chapter 10.16 Turning Restrictions for the City of White Salmon Municipal Code.

Explanation of Issue:

Attached is the final amendment to Municipal Code Chapter 10.16 for the City of White Salmon to include the following amendments:

10.16.010 State Route 14 intersection turn restrictions: Repealed, turning restrictions outlined in this section are out of date and do not reflect the current traffic laws for the SR-14 intersection.

10.16.030 Intersection of Dock Grade Road and State Route 14: Repealed, turning restrictions outlined in this section are out of date and do not reflect the current traffic laws for the SR-14 intersection.

The code has been updated to reflect the current turning restrictions.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.

Fiscal Analysis:

There are no Financial Implications

Recommendation of Staff/Committee:

Staff recommended the council approve the adoption of Ordinance 2023-03-1134, Municipal Code Chapter 10.16 for the City of White Salmon.

**CITY OF WHITE SALMON
ORDINANCE 2023-03-1134**

**AN ORDINANCE AMENDING WHITE SALMON MUNICIPAL CODE CHAPTER
10.16 TURNING RESTRICTIONS.**

WHEREAS, the City Council of the City of White Salmon wishes to maintain the safety and welfare of city residents; and

WHEREAS, the City has determined that the existing chapter needs to be updated to reflect current turning restrictions.

**NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF WHITE SALMON,
WASHINGTON DO HEREBY ORDAIN as follows:**

SECTION 1. WSMC Ch. 10.16 is hereby amended as follows:

Key: Deleted = ~~strikethrough~~

Added = **bold underlined**

Chapter 10.16 TURNING RESTRICTIONS

~~10.16.010 State Route 14 intersection turn restrictions.~~

~~A. Right hand turns on traffic moving westerly on State Route 14 onto Dock Grade Road, as well as U-turns at the confluence and intersection of State Route 14 and Dock Grade Road by and the same are prohibited and unlawful.~~

~~B. The city shall cause appropriate signs indicating such prohibition, as aforementioned, to be placed at the intersection, prohibiting such right hand turns and U-turns therein.~~

~~C. Each violation of this section shall be punishable by a fine of not less than twenty-five dollars for each offense.~~

10.16.020 U-turns in mid-block.

A. No U-turns shall be permitted in the middle of the block on any city street within the corporate limits of the city.

B. Violation of any provision of this section shall be punishable by a fine of ~~not less than twenty-five~~ **fifty** dollars for each violation.

~~10.16.030 Intersection of Dock Grade Road and State Route 14.~~

~~A. Traffic northbound on Dock Grade Road south of State Route 14 shall be permitted to turn right or left only on to State Route 14. Traffic shall not be permitted to travel onto Dock Grade Road north of State Route 14 from Dock Grade Road south of State Route 14.~~

~~B. Traffic westbound on State Route 14 shall not be permitted to make a U-turn at the turnout located approximately one hundred yards west of the intersection of Dock Grade Road and State Route 14.~~

~~C. The public works director is authorized and directed to post appropriate signs consistent with the provisions of this section.~~

~~D. Any person violating the provisions of this section will be deemed to have committed a traffic infraction and shall be penalized in an amount not to exceed fifty dollars.~~

SECTION 2 – SEVERABILITY. That if any clause, section, or other part of this

Ordinance shall be held invalid or unconstitutional by any court of competent jurisdiction, the remainder of this Ordinance shall not be affected thereby but shall remain in full force and effect.

SECTION 3 – EFFECTIVE DATE. This ordinance shall take effect five (5) days after its publication according to law.

PASSED by the City Council of the City of White Salmon at a regular meeting this 15th day of March 2023.

ATTEST:

Marla Keethler, Mayor

Stephanie Porter, Clerk Treasurer

APPROVED AS TO FORM:

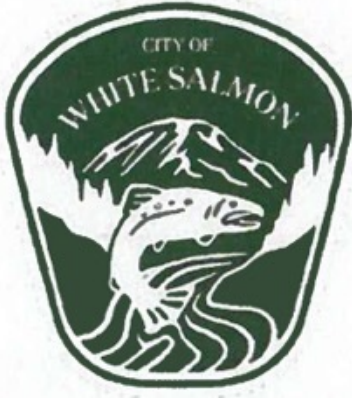
Kenneth B. Woodrich, City Attorney

File Attachments for Item:

D. Ordinance 2023-03-1135 Repealing WSMC 10.32 Bicycles and Toy Vehicles

1. Presentation and Discussion

2. Action



Department Head:	MH
Clerk/Treasurer:	SMP
City Administrator:	
Mayor:	

CITY COUNCIL REPORT

☒ Business Item

Needs Legal Review:

Meeting Date:

Agenda Item:

Presented By:

☐ Consent Agenda

Yes, completed

March 15th, 2023

Ordinance 2023-03-1135 Repealing WSMC 10.32 Bicycles and Toy Vehicles

Mike Hepner, Chief of Police

Action Required:

Adoption of Ordinance 2023-03-1135 Repealing WSMC 10.32 Bicycles and Toy Vehicles.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to adopt Ordinance 2023-03-1135, Repealing Chapter 10.32 Bicycles and Toy Vehicles for the City of White Salmon Municipal Code.

Explanation of Issue:

Attached is the final amendment to Municipal Code Chapter 10.32 for the City of White Salmon to include the following amendments:

WSMC Chapter 10.32 Bicycles and Toy Vehicles is repealed in its entirety. The existing chapter no longer reflects the current regulation of bicycles and toy vehicles and therefore is necessary to be repealed.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.

Fiscal Analysis:

There are no Financial Implications

Recommendation of Staff/Committee:

Staff recommended the council approve Ordinance 2023-03-1135 repealing Municipal Code Chapter 10.32 for the City of White Salmon.

**CITY OF WHITE SALMON
ORDINANCE 2023-03-1135**

**AN ORDINANCE REPEALING WHITE SALMON MUNICIPAL CODE CHAPTER
10.32 BICYCLES AND TOY VEHICLES.**

WHEREAS, the City Council of the City of White Salmon wishes to maintain the accuracy of the municipal code; and

WHEREAS, the City has determined that the existing chapter no longer reflects the current regulation of bicycles and toy vehicles and therefore is necessary to be repealed.

NOW, THEREFORE, the City of White Salmon do ordain as follows:

SECTION 1. Repealed – WSMC Chapter 10.32 Bicycles and Toy Vehicles. WSMC Chapter 10.32 Bicycles and Toy Vehicles is repealed in its entirety.

SECTION 2 – SEVERABILITY. If any part of this ordinance is declared unconstitutional or otherwise invalid for any reason, the remaining provisions shall be construed to be effective after removing the objectionable provision(s).

SECTION 3 – EFFECTIVE DATE. This ordinance shall take effect five (5) days after its publication according to law.

PASSED by the City Council of the City of White Salmon at a regular meeting this 15th day of March, 2023.

ATTEST:

Marla Keethler, Mayor

Stephanie Porter, Clerk Treasurer

APPROVED AS TO FORM:

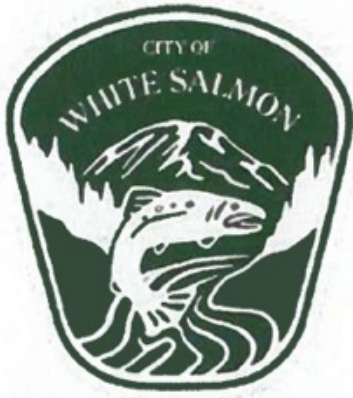
Kenneth B. Woodrich, City Attorney

File Attachments for Item:

E. Ordinance 2023-03-1136 Adopting WSMC for Repealed or Recodified State RCW

1. Presentation and Discussion

2. Action



Department Head:	MH
Clerk/Treasurer:	SMP
City Administrator:	T.L.
Mayor:	[Signature]

CITY COUNCIL REPORT

☒ Business Item

Needs Legal Review:

Meeting Date:

Agenda Item:

Presented By:

☐ Consent Agenda

Yes, completed

March 15th, 2023

Ordinance 2023-03-1136 Amending White Salmon Municipal Codes Repealed or Recodified RCW's

Mike Hepner, Chief of Police

Action Required:

Adopt Ordinance 2023-03-1136 Amending White Salmon Municipal Codes Repealed or Recodified RCW's.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to adopt Ordinance 2023-03-1136 Amending White Salmon Municipal Codes Repealed or Recodified RCW's.

Explanation of Issue:

WSMC 2.08.040, 2.14.040, 8.06.050 and 9.04.010 were found to contain RCW's that were repealed or recodified. Ordinance 2023-03-1136 replaces and repeals the outdated RCW's.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.

Fiscal Analysis:

There are no Financial Implications

Recommendation of Staff/Committee:

Staff recommended the council approve Ordinance 2023-03-1136, Amending White Salmon Municipal Codes Repealed or Recodified RCW's.

CITY OF WHITE SALMON

ORDINANCE 2021-03-1136

AN ORDINANCE AMENDING THE WHITE SALMON MUNICIPAL CODES REPEALED OR RECODIFIED RCW'S

WHEREAS, the City of White Salmon wishes to maintain the accuracy of the White Salmon Municipal Code (WSMC); and

WHEREAS, for correctness, the previous WSMC should be edited to remove or replace repealed and recodified RCW's.

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF WHITE SALMON, WASHINGTON DO HEREBY ORDAIN AS FOLLOWS:

SECTION 1. WSMC Chapter 9.04 edited to reflect current RCW's as identified in Exhibit A attached hereto and by this reference incorporated herein.

SECTION 2. WSMC Ch. 10.16 is hereby amended as follows:

Key: Deleted = ~~striketrough~~
Added = **bold underlined**

2.08.040 - Qualifications.

The city clerk-treasurer must possess the abilities and aptitudes to perform each duty of the position proficiently. In order to qualify for the position of city clerk-treasurer, an applicant must have demonstrated knowledge of generally accepted accounting principles, the BARS accounting system and relevant Washington statutes affecting governmental entities. The city clerk-treasurer must have the ability to maintain effective communications with various officials and agencies as well as the public; excellent communication and supervision/leadership skills; ability to deal with the public courteously, tactfully and professionally; furnish a bond pursuant to RCW ~~25A.12.080~~ **35A.12.080** and Section 2.08.060 of this chapter; and a familiarity with general office equipment and computer systems. The minimum educational background is a bachelor's

degree in public administration, business administration or accounting. A certified public accountant's certificate is beneficial, but not required. A successful clerk-treasurer applicant must have three years of progressively responsible experience in municipal government operations or private business operations and at least two years of either municipal management or comparable business management experience.

2.14.040 - Civil service.

The director shall not be subject to civil service for city police in accordance with RCW **Chapter 41.12** ~~41.12.010 through 41.12.900~~ or Chapter 2.28 of the White Salmon Municipal Code. A person seeking appointment as director shall resign any role with the civil service commission prior to employment.

8.06.050 - Abatement action for junk vehicles.

- A. Upon determination that a vehicle is a junk vehicle on private property, any law enforcement officer of the city may issue an abatement order to the property owner as shown on the last equalized assessment roll and to the last registered and legal owner of the vehicle, unless the vehicle is in such condition that identification numbers or license numbers of the vehicle are not available to determine ownership. The abatement order shall order the removal of the vehicle within twenty days of the issuance thereof. Such an abatement order shall identify the property by street address and describe the vehicle or parts thereof which violate this chapter. The abatement order shall be mailed, by certified mail with a five-day return receipt requested, to the property owner shown by the records of the Klickitat County assessor and to the last registered owner of record of the vehicle,

if determinable.

- B. Upon failure of the property owner or last registered owner of record to remove the vehicle within twenty days, the law enforcement officer shall dispose of the vehicle or part thereof after notice to the Washington State Patrol and Washington Department of Licensing that the vehicle has been wrecked. The vehicle shall be only disposed of as scrap.
- C. The city's reasonable cost of removal of junk vehicles or parts thereof may be assessed by the city against the registered owner of the vehicle if the identity of the owner can be determined, unless the owner in the transfer of ownership of the vehicle has complied with RCW 46.12.650 ~~46.12.104~~, or the cost may be assessed against the owner of the property on which the vehicle is stored.

SECTION 3 – EFFECTIVE DATE. This ordinance shall take effect five (5) days after its publication according to law.

SECTION 4 – SEVERABILITY. If any part of this ordinance is declared unconstitutional or otherwise invalid for any reason, the remaining provisions shall be construed to be effective after removing the objectionable provision(s).

PASSED by the Council and approved by the Mayor on March 15th, 2023.

Mayor Marla Keethler

Stephanie Porter, Clerk/Treasurer

APPROVED AS TO FORM:

Kenneth B. Woodrich, City Attorney

Exhibit “A”

CHAPTER 9.04 STATE CRIMINAL STATUTES ADOPTED

9.04.010 Adoption by reference.

A. The following statutes of the state of Washington are adopted by reference:

RCW Chapter 7.105 Civil protection orders

RCW 9.01.055 Citizen immunity of aiding officer

RCW 9.01.110 Omission, when not punishable

RCW 9.01.120 Civil remedies preserved

RCW 9.01.130 Sending letter, when complete

RCW 9.01.160 Application to existing civil rights

RCW 9.02.050 Concealing birth

RCW 9.03.010 Abandoning, discarding refrigeration equipment

RCW 9.03.020 Permitting unused equipment to remain on premises

RCW 9.03.040 Keeping or storing equipment for sale

RCW 9.04.010 False advertising

RCW 9.04.040 ~~Advertising cures of sexual potency--Evidence~~

RCW 9.04.050 False, misleading, deceptive advertising

RCW 9.04.070 False, misleading, deceptive advertising--Penalty--Other remedies and penalties not applicable

RCW 9.04.080 False, misleading, deceptive advertising--Assurance of discontinuance of unlawful practice

RCW 9.04.090 Advertising fuel prices by service station

RCW 9.05.010 ~~Criminal anarchy defined~~

RCW 9.05.040 ~~Permitting premises to be used for assemblage of anarchists~~

~~RCW 9.05.150 Publishing matter including breach of peace~~

~~RCW 9.05.160 Liability of editors and others~~

RCW 9.05.030 Assemblages of saboteurs

RCW 9.05.060 Criminal sabotage defined—Penalty

RCW 9.05.090 Provisions cumulative

~~RCW 9.08.020 Diseased animals~~

RCW 9.08.030 False certificate of registration of animals--False representation as to breed

RCW 9.08.065 Animals, crimes relating to--Definitions

RCW 9.08.070 Pet animals--Taking, concealing, injuring, killing, etc.--Penalty

RCW 9.12.010 Barratry

RCW 9.12.020 Buying, demanding, or promising reward by district judge or deputy

RCW 9.16.020(2) Imitating lawful brand

RCW 9.16.030 Counterfeit mark—Intellectual property.

~~RCW 9.16.040 Displaying goods with false trademark~~

RCW 9.16.050 When deemed affixed

RCW 9.16.060 Fraudulent registration of trademark

RCW 9.16.070 Form and similitude defined

RCW 9.16.080 Petroleum products improperly labeled or graded—Penalty.

~~RCW 9.16.090 Sales of petroleum products improperly labeled or by wrong grade--Penalty for violations~~

RCW 9.16.100 Use of the words “sterling silver”

RCW 9.16.110 Use of words “coin silver” etc.

RCW 9.16.120 Use of the word “sterling” on mounting

RCW 9.16.130 Use of the words “coin silver” on mountings

RCW 9.16.140 Unlawfully marking article made of gold

RCW 9.16.150 “Marked, stamped or branded” defined

RCW 9.18.080 Offender a competent witness

RCW 9.18.120 Suppression of competitive bidding

RCW 9.18.130 Collusion to prevent competitive bidding

~~RCW 9.18.140 Penalty~~

RCW 9.18.150 Agreements outside state

RCW 9.24.010 Fraud in stock subscription

RCW 9.24.040 Corporation doing business without license

RCW 9.26A.090 Telephone company credit cards--Prohibited acts

RCW 9.26A.100 Telecommunications crime--Definitions

RCW 9.26A.110 Fraud in obtaining telecommunications service--Penalty

RCW 9.26A.120 Fraud in operating coin-box telephone or other receptacle

RCW 9.26A.130 Penalty for manufacture or sale of slugs to be used for coin

~~RCW 9.26A.900 Severability--1990 c11~~

RCW 9.27.015 Interference, obstruction of any court, building, or residence--Violation

RCW 9.31.090 Escaped prisoner recaptured

RCW 9.38.010 False representation concerning credit

RCW 9.38.015(1) False statement by deposit account applicant

RCW 9.38.020 False representation concerning title

RCW 9.40.040 Operating engine or boiler without spark arrester

RCW 9.40.100(1) Tampering with fire alarm or firefighting equipment--False alarm--Penalties

RCW 9.44.080 Misconduct in signing a petition

RCW 9.45.060 Encumbered, leased, or rented personal property--Construction

~~RCW 9.45.062 Failure to deliver leased personal property--Requisites for prosecution--Construction~~

RCW 9.45.070 Mock auction

RCW 9.45.080 Fraudulent removal of property

RCW 9.45.090 Knowingly receiving fraudulent conveyance

RCW 9.45.100 Fraud in assignment for benefit of creditors

RCW 9.45.122 Measurement of commodities--Public policy

RCW 9.46.170 False or misleading entries or statements, refusal to produce records

RCW 9.46.185 Causing person to violate rule or regulation

RCW 9.46.190 Violations relating to fraud or deceit

RCW 9.46.195 Obstruction of public servant--Penalty

RCW 9.46.196 Cheating

RCW 9.46.198 Working in gambling activity without license as violation--Penalty

RCW 9.46.217 Gambling records--Penalty--Exceptions

RCW 9.46.222 Professional gambling in the third degree

RCW 9.46.240 Gambling information, transmitting or receiving

RCW 9.47A.020 Unlawful inhalation--Exception

RCW 9.47A.030 Possession of substances prohibited, when

RCW 9.47A.040 Sale of certain substances prohibited

RCW 9.47A.050 Penalty

RCW 9.61.230 Telephone harassment

RCW 9.61.240 Telephone harassment--Permitting telephone to be used

RCW 9.61.250 Telephone harassment--Offense, where deemed committed

RCW 9.62.010 Malicious prosecution

RCW 9.62.020 Instituting suit in name of other

RCW 9.66.010 Public nuisance

RCW 9.66.020 Unequal damage

RCW 9.66.030 Maintaining or permitting nuisance

RCW 9.66.040 Abatement of nuisance

RCW 9.66.050 Deposit of unwholesome substance

RCW 9.68.015 Obscene literature, shows, etc.--Exemptions

RCW 9.68.030 Indecent articles, etc.

RCW 9.68.050 "Erotic material"--Definitions

RCW 9.68.060 "Erotic material"--Determination by court--Labeling--Penalties

RCW 9.68.070 Prosecution for violation of RCW 9.38.060--Defense

RCW 9.68.080 Unlawful acts

RCW 9.68.090 Civil liability of wholesaler or wholesaler-distributor

RCW 9.68.100 Exceptions to RCW 9.68.040 through 9.68.120

RCW 9.68.110 Motion picture operator or projectionist exempt, when

RCW 9.68.120 Provisions of RCW 9.68.050 through 9.68.120 exclusive

RCW 9.68.130 "Sexually explicit material"--Defined--Unlawful display

RCW 9.68A.080 Processors of depictions of minor engaged in sexually explicit conduct--Report required

RCW 9.68A.090 Communication with minor for immoral purposes

~~RCW 9.68A.140 Sexual exploitation of children Definitions~~

RCW 9.68A.010 Sexual exploitation of children - Definitions

RCW 9.68A.150 Allowing minor on premises of live erotic performance

~~RCW 9.68A.160 Penalty~~

RCW 9.69.100 Duty of witness of offense against child or any violent offense--Penalty

RCW 9.73.010 Divulging telegram

RCW 9.73.080 Intercepting, recording, or divulging private communications--Penalty

RCW 9.86.010 “Flag” etc., defined

RCW 9.86.020 Improper use of flag prohibited

RCW 9.86.030 Desecration of flag

RCW 9.86.040 Application of provisions

~~RCW 9.86.050 Penalty~~

RCW 9.91.010 Denial of civil rights--Terms defined

RCW 9.91.020 Operating railroad, steamboat, vehicle, etc., while intoxicated

RCW 9.91.060 Leaving children unattended in parked automobile

~~RCW 9.91.110 Metal buyers--Records of purchases--Penalty~~

RCW 9.91.130 Disposal of trash in charity donation receptacle

RCW 9.91.140 Food stamps

RCW 9.91.160 Personal protection spray devices

RCW 9.92.020 Punishment of gross misdemeanor when not fixed by statute

RCW 9.92.030 Punishment of misdemeanor when not fixed by statute

RCW 9.92.070 Payment of fine and costs in installments

RCW 9A.04.020 Purposes--Principles of construction

RCW 9A.04.040 Classification of crimes

RCW 9A.04.050 People capable of committing crimes (capability of children)

RCW 9A.04.060 Common law to supplement statutes

RCW 9A.04.070 Who amenable to criminal statutes

RCW 9A.04.090 Applications of general provisions of code

RCW 9A.04.100 Proof beyond a reasonable doubt

RCW 9A.04.110 Definitions

RCW 9A.08.010 General requirements of culpability

RCW 9A.08.020 Liability for conduct of another--Complicity

RCW 9A.08.030 Criminal liability of corporations and persons acting or under a duty to act in their behalf

RCW 9A.20.030 Alternative to a fine--Restitution

RCW 9A.28.020 Criminal attempt

RCW 9A.28.030 Criminal solicitation

RCW 9A.28.040 Criminal conspiracy

RCW 9A.36.041 Assault in the fourth degree

RCW 9A.36.050 Reckless endangerment in the second degree

RCW 9A.36.070 Coercion

RCW 9A.36.150 Interfering with the reporting of domestic violence

RCW 9A.40.070 Custodial interference in the second degree

RCW 9A.42.080 Abandonment of a dependent person in the third degree

RCW 9A.42.090 Abandonment of a dependent person--Defense

RCW 9A.44.130 Registration of sex offenders--Procedures--Definition--Penalties

RCW 9A.46.020 Harassment definition--Penalties

RCW 9A.46.030 Place where committed

RCW 9A.46.040 Court-ordered requirements upon person charged with crime--
Violation

RCW 9A.46.050 Arraignment--No-contact order

RCW 9A.46.060 Crimes included in harassment

RCW 9A.46.070 Enforcement of orders restricting contact

RCW 9A.46.080 Order restricting contact--Violation

RCW 9A.46.090 Nonliability of peace officer

RCW 9A.46.110 Stalking

RCW 9A.48.010 Arson, reckless burning, and malicious mischief--Definitions

RCW 9A.48.050 Reckless burning in the second degree

RCW 9A.48.060 Reckless burning--Defense

RCW 9A.48.090 Malicious mischief in the third degree

RCW 9A.48.100 Malicious mischief--“Physical damage”--defined

RCW 9A.50.010 Interference with health care facilities or providers--Definitions

RCW 9A.50.020 Interference with health care facilities

RCW 9A.50.030 Penalty

RCW 9A.52.010 Burglary and trespass--Definitions

RCW 9A.52.060 Making or having burglar tools

RCW 9A.52.070 Criminal trespass in the first degree

RCW 9A.52.080 Criminal trespass in the second degree

RCW 9A.52.090 Criminal trespass--Defenses

RCW 9A.52.100 Vehicle prowling in the second degree

~~RCW 9A.52.120 Computer trespass in the second degree~~

~~RCW 9A.52.130 Computer trespass--Commission of other crimes~~

RCW 9A.90.050 Computer trespass in the second degree

RCW 9A.90.040 Computer trespass in the first degree

RCW 9A.56.050 Theft in the third degree

RCW 9A.56.060 Unlawful issuance of checks or drafts

RCW 9A.56.096 Theft of rental, leased, lease-purchased, or loaned property

RCW 9A.56.140 Possessing stolen property--Definition--Access devices, presumption

RCW 9A.56.170 Possessing stolen property in the third degree

RCW 9A.56.180 Obscuring the identity of a machine

RCW 9A.56.220 Theft of subscription television services

RCW 9A.56.240 Forfeiture and disposal of device used to commit violation

RCW 9A.56.260 Connection of channel converter

RCW 9A.56.270 Shopping cart theft

RCW 9A.60.010 Fraud--Definition

RCW 9A.60.040 Criminal impersonation

RCW 9A.60.050 False certification

RCW 9A.61.010 Defrauding a public utility--Definition

RCW 9A.61.020 Defrauding a public utility

RCW 9A.61.050 Defrauding a public utility in the third degree

RCW 9A.61.060 Restitution and costs

RCW 9A.72.010 Perjury and Interference with official proceedings--Definition

RCW 9A.72.040 False swearing

RCW 9A.72.060 Perjury and false swearing--Retraction

RCW 9A.72.070 Perjury and false swearing--Irregularities no defense

RCW 9A.72.080 Statement of what one does not know to be true

RCW 9A.72.140 Jury tampering

RCW 9A.72.150 Tampering with physical evidence

RCW 9A.76.010 Obstructing governmental operation--Definition

RCW 9A.76.020 Obstructing a law enforcement officer

RCW 9A.76.030 Refusing to summon aid for a peace officer

RCW 9A.76.040 Resisting arrest

RCW 9A.76.050 Rendering criminal assistance--Definition of term

RCW 9A.76.060 Relative defined

RCW 9A.76.070 Rendering criminal assistance in the first degree

RCW 9A.76.080 Rendering criminal assistance in the second degree

RCW 9A.76.090 Rendering criminal assistance in the third degree

RCW 9A.76.100 Compounding

RCW 9A.76.130 Escape in the third degree

RCW 9A.76.160 Introducing contraband in the third degree

RCW 9A.76.170 Bail jumping

RCW 9A.76.175 Making a false or misleading statement to a public servant

RCW 9A.80.010 Official misconduct

RCW 9A.80.020 Failure to disperse

RCW 9A.84.040 False reporting

RCW 9A.88.030 Prostitution

RCW 9A.88.050 Prostitution--Sex of parties immaterial--No defense

RCW 9A.88.060 Promoting prostitution--Definitions

RCW 9A.88.090 Permitting prostitution

RCW 9A.88.110 Patronizing a prostitute

RCW 9A.88.120 Additional fee assessment

~~RCW 10.14.120 Disobedience of order--Penalty~~

~~RCW 10.14.170 Criminal penalty~~

Chapter 10.22 RCW Compromise of misdemeanors

RCW 10.66.090(1) Penalties

RCW 10.99.020 Definitions

RCW 10.99.100 Sentencing--Factors--Defendant's criminal history

RCW 16.52.011--.350 Prevention of cruelty to animals

RCW 26.09.300(1) Restraining orders--Notice--Refusal to comply--Arrest--Penalty--
Defense--Peace officers, immunity

~~RCW 26.10.220 Restraining orders--Notice--Refusal to comply--Arrest--Penalty--
Defense--Peace officers--Immunity~~

RCW 26.28.060 Child labor--Penalty

RCW 26.28.070 Certain types of employment prohibited--Penalty

RCW 25.28.080 Selling or giving tobacco to minor--Belief of representative capacity,
no defense--Penalty

RCW 26.28.085 Applying tattoo to a minor--Penalty

RCW 26.44.030 Abuse of children and adult dependent persons--Report--Duty and
authority to make--Duty of receiving agency--Duty to notify--Case planning and
consultation--Penalty for unauthorized exchange of information--Filing dependency

petitions--Interviews of children--Records--Risk assessment process--Reports to legislature

RCW 26.44.040 Reports--Oral, written--Contents

RCW 26.44.063 Temporary restraining order or preliminary injunction--Enforcement

RCW 26.44.080 Violation--Penalty

~~RCW 26.50.010 210 Domestic violence prevention~~

RCW 66.04.010 Alcoholic beverage control--Definition

RCW 66.20.200 Unlawful acts relating to card of identification and certification card--Penalties

RCW 66.20.210 Licensee's immunity to prosecution or suit--Certification card as evidence of good faith

RCW 66.24.481 Public place or club--License or permit required--Penalty

RCW 66.28.080 Permit for music and dancing upon licensed premises

RCW 66.28.090 Licensed premises or banquet permit premises open to inspection--Failure to allow, violation enforcement--Penalties

RCW 66.44.010 Local officers to enforce law--Authority of board--Liquor enforcement officers

RCW 66.44.040 Sufficiency of description of offenses in complaints, informations, process, etc.

RCW 66.44.050 Description of offense in words of statutes--Proof required

RCW 66.44.060 Proof of unlawful sale establishes prima facie intent

RCW 66.44.070 Certified analysis is prima facie evidence of alcoholic content

RCW 66.44.080 Service of process on corporation

RCW 66.44.090 Acting without license

RCW 66.44.100 Opening or consuming liquor in public place--Penalty

RCW 66.44.120 Unlawful use of seal

- RCW 66.44.130 Sales of liquor by drink or bottle
- RCW 66.44.140 Unlawful sale, transportation of spirituous liquor without stamp or seal--Unlawful operation, possession of still or mash
- RCW 66.44.150 Buying liquor illegally
- RCW 66.44.160 Illegal possession, transportation of alcoholic beverages
- RCW 66.44.170 Illegal possession of liquor with intent to sell--Prima facie evidence, what is
- RCW 66.44.175 Violation of law
- RCW 66.44.180 General penalties--Jurisdiction for violations
- RCW 66.44.200 Sales to person apparently under the influence of liquor
- RCW 65.44.210 Obtaining liquor of ineligible person
- RCW 66.44.240 Drinking in public conveyance--Penalty against carrier--Exception
- RCW 66.44.250 Drinking in public conveyance--Penalty against individual--Restricted application
- RCW 65.44.265 Candidates giving or purchasing liquor on election day prohibited
- RCW 66.44.270 Furnishing liquor to minors--Possession, use--Exhibition of effects--Exceptions
- RCW 66.44.280 Minor applying for permit
- RCW 66.44.290 Minor purchasing or attempting to purchase liquor
- ~~RCW 66.44.291 Minor purchasing or attempting to purchase liquor--Penalty against persons between ages of eighteen and twenty, inclusive~~**
- RCW 66.44.300 Treats, gifts, purchases of liquor for or from minor, or holding out minor as at least twenty-one, in public place where liquor sold
- RCW 66.44.310 Minors frequenting off-limits area--Misrepresentation of age--Penalty--Classification of licensees
- RCW 66.44.316 Certain person eighteen years and over permitted to enter and remain upon licensed premises during employment

~~RCW 66.44.320 Sales of liquor to minors a violation~~

RCW 66.44.325 Unlawful transfer to a minor of an identification of age

RCW 66.44.328 Preparation or acquisition and supply to persons under age twenty-one of facsimile of official identification card--Penalty

RCW 66.44.365 Juvenile driving privileges--Alcohol or drug violations

RCW 66.44.370 Resisting or opposing officers in enforcement of title

RCW 69.36.010 Washington Caustic Poison Act of 1929--Defined

RCW 69.36.020 Misbranded sales, etc., prohibited--Exceptions

RCW 69.36.060 Penalty

RCW 69.38.010 "Poison" defined

RCW 69.38.020 Exemptions from chapter

RCW 69.38.030 Condemnation of misbranded packages

RCW 69.38.040 Enforcement--Approval of labels

RCW 69.38.050 Duty to prosecute

RCW 69.38.060 Penalty

RCW 69.41.010 Definitions

RCW 69.41.020 Prohibited acts--Information not privileged communication

RCW 69.41.030 Sale, delivery, or possession of legend drug without prescription or order prohibited--Exceptions

RCW 69.41.040 Prescriptions requirements

RCW 69.41.042 Record requirements

RCW 69.41.065 Violations--Juvenile driving privileges

~~RCW 69.41.070(3), (5), (7), (8)(a) Penalties~~

RCW 69.41.350 Penalties

RCW 69.50.101 Definitions

RCW 69.50.102 Enforcement of chapter--Authority to change schedules of controlled substances

RCW 69.50.204(C)(14) Schedule I, Hallucinogenic substances--Marijuana

RCW 69.50.401(e) Prohibited acts: A--Penalties

RCW 69.50.407 Conspiracy

RCW 69.50.408 Second or subsequent offenses

RCW 69.50.412 Prohibited acts: E--Penalties

RCW 69.50.420 Violations--Juvenile driving privileges

~~RCW 69.50.425 Misdemeanor violations--Minimum imprisonment~~

B. Construction. In constructing the statutes adopted by reference in subsection A of this section, references to “this section,” “this chapter” and “this title” shall be deemed to refer to the appropriate section, chapter or title of the Revised Code of Washington.

Any reference to “Sheriff” shall be deemed amended to read “chief of police.”

C. Definitions. Definition of all terms used in the statutes adopted by reference in subsection A of this section shall be the same as those set forth in the definitions section of the chapter of the Revised Code of Washington wherein the same are used.

D. Defenses. In all proceedings brought under the White Salmon Municipal Code, the defendant shall be entitled to use all defenses allowable under the laws of the state of Washington pertaining to the crime charged.

File Attachments for Item:

F. Ordinance 2023-03-1137 Repealing WSMC 9.12 Alcoholic Beverages

1. Presentation and Discussion

2. Action



Department Head:	MH
Clerk/Treasurer:	<i>ASMP</i>
City Administrator:	<i>T.R.</i>
Mayor:	<i>MK</i>

CITY COUNCIL REPORT

☒ Business Item

Needs Legal Review:

Meeting Date:

Agenda Item:

Presented By:

☐ Consent Agenda

Yes, completed

March 15th, 2023

Ordinance 2023-03-1137, Repealing WSMC 9.12 Alcoholic Beverages

Mike Hepner, Chief of Police

Action Required:

Adopt Ordinance 2023-03-1137 Repealing WSMC 9.12 Alcoholic Beverages.

Motion for Business Item / Proposed Motion for Consent Agenda:

Motion to adopt Ordinance 2023-03-1137, Repealing WSMC 9.12 Alcoholic Beverages.

Explanation of Issue:

Attached is the explanation to repeal Municipal Code Chapter 9.12 for the City of White Salmon to include the following:

RCW 66.44.270 Furnishing Liquor to Minors, restricts the presence of intoxicated minors in public places and is therefore redundant and confusing.

Council Options:

City Council has the following options available at this time:

1. Accept the Staff Recommendation.
2. Revise the Staff Recommendation.
3. Refer this issue back to staff for additional work.

Fiscal Analysis:

There are no Financial Implications

Recommendation of Staff/Committee:

Staff recommended the council approve Ordinance 2023-03-1137, Repealing WSMC 9.12 Alcoholic Beverages.

CITY OF WHITE SALMON WASHINGTON
ORDINANCE NO. 2023-03-1137

AN ORDINANCE REPEALING WSMC CH 9.12 ALCOHOLIC BEVERAGES

WHEREAS, the City Council of the City of White Salmon wishes to maintain consistency and limit confusion of municipal code for city residents by repealing WSMC Ch. 9.12.

WHEREAS, the City finds RCW 66.44.270 restricts intoxicated minors in public places. WSMC Ch. 9.12 is therefore redundant and confusing.

NOW, THEREFORE, the City of White Salmon do ordain as follows:

SECTION 1. Repealed – WSMC CH 9.12 Alcoholic Beverages. WSMC Ch. 9.12 is repealed in its entirety.

SECTION 2: EFFECTIVE DATE

This ordinance shall become effective five days after publication as provided by law.

SECTION 3: SEVERABILITY

If any part of this ordinance is declared unconstitutional or otherwise invalid for any reason, the remaining provisions shall be construed to be effective after removing the objectionable provision(s).

Passed by the Council and approved by the Mayor on this 15th day of March, 2023.

ATTEST:

Marla Keethler, Mayor

Stephanie Porter, Clerk Treasurer

APPROVED AS TO FORM:

Kenneth B. Woodrich, City Attorney

File Attachments for Item:

A. Department Head



DEPARTMENT REPORT FINANCE / HR / CLERK

Meeting Date: March 15, 2023
Presented By: Stephanie Porter, Clerk Treasurer

GREAT NEWS! The City of White Salmon has received the AWC RMSA Loss Prevention Grant in the amount of \$3,240 to fund the update of our Personnel Policies and Employee Evaluation Process!

Daily Operations / What's Happening:

- **Public Records Request** – 1 request this period
- **Clerk Treasurer Training-**
 - Weekly meetings with Leana Kinley (City of Stevenson)
 - As needed meeting with Jacque from MCEDD to review current awarded grants and how/where to properly track and report for them.
- **Training Finance Clerk**, Cindy Jewell, to reconcile the daily work. My goal is to have her trained and have access to all necessary information in relation to the Treasurer side of my duties in the case of an unexpected absence.
- **Training Utility Clerk**, Troy Rosenberg, to facilitate council agendas and packets, meeting minutes and to have access to all necessary information related to the Clerk side of my duties.
- **Annual reconciliation**
 - 2023 – Adjusting ending balances and completing overhead allocation adjustments.
- **Budget Amendment**
 - First Budget Amendment will be brought to council no later than April 19 meeting.
- **Monthly Reconciliation**
 - January 2023
 - February 2023
- **Send Ordinances to Municode for code update.** This is happening each month to hopefully keep our online code up to date.
- **Record Retention** – pulling and scheduling destruction of expired records – working with Troy Rosenberg to schedule a date with Washington State Archives to come review potential State Archive records. After state inspection, we can move forward with scheduling record destruction with a certified company.

New Projects:

- Request for Qualifications (RFQ) out for Personal Service Contract – Engineering 2023- **RFQ's will be reviewed, and contracts negotiated early March. Council will ideally see contracts at the March 15 meeting.**
- **2022 Annual Report** – Krista from Bingen has offered to help me with this process. Once the year has been closed and reconciled, I can begin to run numbers for this report.
- **USDA Annual Report** – Work in progress- notified USDA of submission after March 1.



DEPARTMENT REPORT FINANCE / HR / CLERK

Existing Projects Progress:

- 2nd EV Charging Station – This project has been 100% funded! All donations were received by 02.24.2023 in the amount of \$9,100. **We are waiting on Forth to finalize the host contract – a few hiccups in the requirements are being adjusted and worked out. Hoping to have this contract and the 2nd E/V Changing Station Contracts approved and signed March 15, 2023.**
- Small Work Roster application renewals – ongoing – looking into transitioning to MRSC Small Works Roster Program to alleviate staff time. – **MRSC Small Works Roster Program has been activated – The annual fee paid was \$135.**
- Bid Opening for the Phase 1 Transmission Main Replacement Project - Bid received and awarded contingent on the PWB Loan documents – **Phase 1 project has been funded and Notice of Award issued to North Cascade Excavating, LLC as the lowest Apparent Bidder.**
- Sweet Gum Tree Pruning Bid – bids received and review – **Notice to proceed has been issued.**
- SCADA project funding- **Engineering in progress**
- Manhole Replacement – **Staff has approved additional work for this project to replace all manholes. The wastewater fund has sufficient funding to cover the increase of \$64,000 for construction and engineering. You will see this adjustment in the 1st budget amendment for 2023. This amended scope of work is projected to come before council by April.**
- Garfield Project bid - timeline approved with Pioneer Surveying. **Project is moving forward -bid will be presented for approval by council at the March 15 council meeting.**
- Transportation Benefit District information – **Ordinances for the TBD funding has been submitted to the Department of Licensing and the Department of Revenue for processing.**
- Stripe set-up - Granicus Payment system required for online STR application – **I have completed the application for Stripe Payments. Waiting on Stripe to receive a project contract for cost of service. Granicus only uses Stripe and will not partner with our current credit card processor.**
- Small Works Roster Bid - Patton St Paving (Training Andrew Dirks on Small Works Process) – **Small Work Bid was issued Friday, February 24, 2023 with a due date of April 3, 2023 – Per Public Works, asphalt work will not begin until after the end of April. Contract will be awarded, and work will be required to be completed by August 31, 2023.**
- SmartGov and Springbrook Software – implementation of the payment transfers from SmartGov to our General Ledger in Springbrook. – **Springbrook provided a quote to program the import and export feature to be compatible with SmartGov. The cost is \$4,606 for the programing services.**
- Translator Services Personal Service Contract – ***The city is actively looking for a translator to contract with.***
- Reestablishing limited Notary Public Services at City Hall. **Limited Notary Services will be available to the public at City Hall on Tuesdays and Wednesdays from 9am-12pm beginning March 14, 2023. Website Link: <https://www.white-salmon.net/finance/page/notary-public-services>**



DEPARTMENT REPORT FINANCE / HR / CLERK

- Ordinance City Hall Operations– **Website has been updated to reflect new City Hall business Hours of 8:30am – 5:00pm.**

Color Newspaper Ad has been published in the CGN for March 8 and March 15 noting the change in City Hall business hours and notary public services available.

**THE CITY OF WHITE SALMON
IS MAKING SOME CHANGES!**

OFFICE HOURS

Effective MARCH 20, 2023
City Hall Office Hours
Tuesday-Friday | 8:30am – 5:00pm
Lunch Closure | 12:00pm-1:00pm

NOTARY PUBLIC SERVICES

Effective MARCH 14, 2023
City Hall will offer limited Notary Services
for a fee of \$10 per notary stamp.

Notary Services will be available Tuesdays
and Wednesdays from 9:00am – 12:00 pm.

For complete list of customer notary requirements, please visit:
www.white-salmon.net

Menu Dropdown: Resources • Notary Public Services

Department Needs:

Electronic Public Record Retention process

- **FOLLOW UP: I have received a quote from Modus Technology, Inc. They gave a quote of \$5,429 to archive A/P Records in boxes surveyed: (6 year-backlog – 18 boxes) and A/R Records in boxes surveyed: (6 year-backlog – 6 boxes)**
- I am looking to get additional quotes and identify grants to help with this expense.
AWC RMSA will be reopening the Loss Prevention Grant in August. I plan to submit this proposal for consideration.

*City Hall Weekly Designated Workday - **COMPETED***

- **New hours will begin the week of Monday, March 20, 2023.**

Upcoming Trainings:

- Washington Municipal Clerk Associate (WMCA) Annual Conference – Stevenson, WA March 15-17, 2023
- Labor Relations Institute by AWC – Yakima, WA – May 3-5, 2023
- Northwest Clerk Institute – Professional Development III – June 18-23, 2023
- Washington Finance Officer Association Conference – Spokane, WA – September 19-22, 2023

Updates for the Community / Upcoming Events:

- ✓ Arbor Day Recognition and Celebration – March 18, 2023 at Rheingarten Park
- ✓ Community Development Meeting – March 20, 2023 at 5:30pm
- ✓ City Operations Committee Meeting – March 21, 2023 at 5:30pm
- ✓ Budget Finance Meeting – April 10, 2023 at 4:30pm
- ✓ Bingen/White Salmon Community Clean up – April 21 and 22, 2023



DEPARTMENT HEAD REPORT

Department: Police

Meeting Date: March 15, 2023

Presented By: Chief Mike Hepner

For dates of 02/22/2023-03/08/2023

Administration:

- WS Council Meeting
 - Bingen Council Meeting
 - Klickitat County Behavior Health meeting
 - Klickitat Community Link Project (K-LINK) Meeting
- A collaboration of community partners working together to better connect their services and better serve the community

Patrol Division:

The Bingen-White Salmon Police Department pride ourselves in reducing the incidence and fear of crime, insuring justice, and safeguarding the rights of all, to provide for a safe and vibrant community.

The Bingen-White Salmon Police Department will accomplish this by working in partnership with the community we serve to enhance our law enforcement effectiveness.

I ask the Officers to prioritize their time by making calls for service as the top priority. Second to be visible in the community which means driving through neighborhoods and being seen by the public and lastly speed enforcement, parking issues, or whatever the community deems important to them.

- 27 of the 39 calls for service in this time frame were in White Salmon
- 1 Motor Vehicle Crash occurred in White Salmon in this time frame.
- Officer Mcilwain has been busy updating the Ordinances in White Salmon.
- Being 2 officers short I continue working the road which takes away from my office duties and missing meetings I usually attend.
- I have enclosed both 2022 and 2023 February activity sheets.
- I have enclosed WASPC's Executive Director Newsletter on updates to legislative bills as of March 7th.

Feb. 2023

White Salmon	Bingen	
		Abandoned/Disabled Vehicle
4		Agency Assist
7	3	Alarm
2	3	Animal Problem/Noise/Neglect
		Arson
1	1	Assault
		Attempt to Locate
		Burglary
		Child Abuse/Neglect
5	3	Citizen Assist
		Civil Matter
1	2	Criminal Mischief
		Deceased
		Disorderly
2	1	Domestic Violence
		Drugs
2		DUI
		Fire
		Fireworks
		Forgery
1		Fraud
		Harassment
		Hazmat
		Homicide
		Information
		Intoxication
2		Juvenile Problem
		Kidnapping
27	13	

White Salmon	Bingen	
		Littering
		Missing Person/Runaway
	1	Medical Emergency
1		Mental Health
3	1	Motor Vehicle Accidents
	1	Motor Vehicle Theft
1		Noise Complaint
	1	Parking Problem
		Pornography
	1	Property Lost/Found
		Prowler
		Recovered Stolen Property
		Resisting Arrest
		Robbery
		Search Warrant
		Sex Crimes
11	3	Suspicious
1	1	Theft
		Threats
4	1	Traffic Complaint/Hazard
		Traffic Offense
		Trespass
		Unsecure Premise
		Violation Court Order
		Wanted Person
		Weapons Offense
1	3	Welfare Check
2		911 Hang-up Calls
24	13	

26	Bingen
51	White Salmon
77	Total

Bingen-White Salmon Police
Monthly Activity Log
February 2022

White Salmon	Bingen	
		Abandoned/Disabled Vehicle
2	2	Agency Assist
9	1	Alarm
2		Animal Problem/Noise/Neglect
		Arson
1		Assault
		Attempt to Locate
		Burglary
		Child Abuse/Neglect
5	3	Citizen Assist
		Civil Matter
		Criminal Mischief
		Deceased
2	1	Disorderly
1		Domestic Violence
		Drugs
		DUI
		Fire
		Fireworks
		Forgery
2		Fraud
		Harassment
		Hazmat
		Homicide
		Information
		Intoxication
1		Juvenile Problem
		Kidnapping
25	7	

White Salmon	Bingen	
		Littering
		Missing Person/Runaway
	1	Medical Emergency
	1	Mental Health
6	1	Motor Vehicle Accidents
		Motor Vehicle Theft
1		Noise Complaint
		Parking Problem
		Pornography
1	1	Property Lost/Found
2		Prowler
		Recovered Stolen Property
		Resisting Arrest
		Robbery
		Search Warrant
1		Sex Crimes
7	5	Suspicious
1	1	Theft
1	1	Threats
		Traffic Complaint/Hazard
2	2	Traffic Offense
		Trespass
		Unsecure Premise
		Violation Court Order
1		Wanted Person
1		Weapons Offense
1	1	Welfare Check
	1	911 Hang-up Calls
25	15	

22	Bingen
50	White Salmon
72	Total

From: waspc@memberclicks-mail.net on behalf of Steven D. Strachan
Sent: Tuesday, March 07, 2023 1:54 PM
To: mike@bwspolice.com
Subject: Executive Director Newsletter | March 7, 2023
Attachments: 1363 - First House Motion.pdf



Executive Director Newsletter | March 7, 2023

Greetings from your Executive Director:

Here is an update on important legislative progress on our WASPC agenda.

Tomorrow, Wednesday, March 8th, is another cut-off where House bills have to pass the House and Senate bills have to pass the Senate in order to remain “alive” in the legislative process. Legislative committees will resume public hearings on bills that passed the other chamber after tomorrow. The next cut-off date will come on March 29.

Big bills at a glance:

[SB 5536](#) (Blake): This bill is alive (passed the Senate on Friday) and WASPC SUPPORTS this bill.

[HB 1363](#) (pursuits): This bill is alive for now (it has not passed the House), and WASPC SUPPORTS this bill.

[HB 1025](#) (“qualified immunity”): This bill is alive for now (it has not passed the House), and WASPC OPPOSES this bill.

[HB 1445](#) (AGO pattern & practice): This bill is alive for now (it has not passed the House), and WASPC OPPOSES this bill.

[HB 1513](#) (traffic stops): This bill is alive for now (it has not passed the House), and WASPC OPPOSES this bill.

Blake Bill, and the “Big Picture”

The “Blake fix bill”, SB [5536](#) passed the Senate on Friday March 3 but after a bitter floor debate [Senate Floor Debate – March 3 – TVW](#). We must assume it will be further amended as it is considered in the House. We expect that debates on other public safety measures will also be intense, if they are brought to the floor at all.

Public safety should not be about partisan politics. It’s about problem solvers in both parties looking to provide balance, and responding to their communities’ concerns about crime, safety, and public spaces. WASPC advocates for balanced, effective, and non-partisan public safety policy in this often-divisive environment.

There is real disagreement about public safety in Olympia among the majority party. It is also true in other areas of the country.

- In Chicago, incumbent Mayor Lightfoot was soundly defeated in a primary by a [fellow Democrat](#) who made the phrase “Public safety is a human right” the center of his campaign.
- In New York City, Mayor Eric Adams, also a Democrat and a strong public safety advocate, [said this](#) in response to the Chicago Mayor’s loss: “Mayors, we are closer. We’re closest to the problem,” Adams said Sunday, calling public safety a “prerequisite to prosperity”.

Pursuits

Last week, I appeared on [KIRO Radio](#) to talk about the status of the pursuits bills. The voices of [Mayors and elected officials](#), the [business community](#), and others have been very important in support for a change to the existing laws. Seattle Times columnist and cartoonist [David Horsey](#) writes “The current law may have been an overreaction and the new proposal looks like a smart

modification...Crime is a real thing, not just a plot for a TV show, and criminals do not need to be given another way to evade justice.”

This week, a driver sped away from WSP troopers in Yakima and later crashed into a car, [killing two children](#).

Here are some of the points we make to the media and our elected leaders as they consider the issue:

1. Legislation is necessary to reduce the number of people fleeing and flouting the rule of law and to bring justice to victims.
2. Bright line restrictions result in suspects knowing they can flee without consequences. Affording law enforcement even the possible ability to pursue suspects can change behavior and decision making by criminals. We need to “blur the line” and keep criminals guessing;
3. If auto thefts are included in offenses where a pursuit may be possible, it does not mean every stolen car will result in a pursuit. Agency policies and the strong balancing test contained in the HB 1363 still exist and law enforcement is committed to ensuring pursuits are rare and necessary;
4. Common sense says the increase in crime and emboldened criminals and drivers may be related to the pursuit law change. The Blake decision, along with other societal struggles within our communities have also contributed to this marked increase, but these issues point to the necessity for our legislature to take action to change these trends.
5. Finally, while advocates and some media like to label proposed changes as “rollbacks” or “reversals”, they are not. They should be considered refinements or modifications, ultimately resulting in better balance, that make the law more workable. This is not a binary choice.

This past week, [the Columbian](#) and the [Tri-City Herald](#) both published editorials pointing out the need to modify the restrictions to allow officers to more effectively protect our communities.

Development from this morning: A motion by Rep Wilcox in the House Rules Committee to “pull” the pursuits bill to the House floor was defeated. Soon thereafter, Rep Robertson made a motion on the House floor to bring the bill to the

House for consideration. That motion was defeated on a roll call vote. A copy of the roll call is attached for your information and reference.

Traffic Stops

[House Bill 1513](#) was heard and is subject to the Wednesday March 8 cutoff. This is the "Traffic Safety for All" bill that would prohibit traffic stops for equipment and other low-level violations. [Here](#) is WASPC's testimony which starts at the 42-minute mark. These are the points we are making in our general opposition to the bill. It is worth noting that we strongly support the portion of the bill which provides for financial support for voucher and other programs to assist people with less means to get repairs or safety equipment repaired on their vehicles, so they are safer on the roadway:

1. The idea that HB 1513 helps law enforcement focus on more serious crimes assumes that an officer would pull someone over for a broken taillight instead of responding to an urgent 911 call. That does not happen.
2. This is another bill that, like HB 1310 last year and the pursuit law of 2021, broadly removes or restricts law enforcement from a number of interactions to reduce the chance of any bad outcome, with no accounting for the downstream effects. Our state's experience with seat belts, cell phone use, vehicular pursuits, marijuana, drug possession, and others has clearly demonstrated that unlawful behavior continues and grows if the police can't do anything about it. The (again, predictable) result is more traffic deaths, more overdoses, and more crime. Restricting low level traffic stops will inevitably mean more people will drive unsafe cars, more people will not pay for tabs, and more people will flout the law. If the legislature wants to make those activities legal, change that law.
3. This adds another list of "permitted and prohibited" elements to the already complex decision tree officers must make for interactions. Meanwhile, the last two years and bills still being considered in the legislature, such as [HB 1025](#) and [HB 1445](#), send a strong message to our already understaffed law enforcement agencies and officers: focus more on limiting service and risk, less on serving the public, and potentially avoiding any situation which may create personal and agency liability due to ambiguous and complex laws. That may not be the legislature's intent, but that is the likely result. These bills are a way to create more reactive and understaffed agencies, as the cost of providing public safety is increased. [Here](#) is the testimony on both bills in the House committee. It is important to note that

while the legislature contemplates reducing civil protections for officers and agencies, they specifically retain qualified immunity for themselves. The Association of Washington Cities (AWC) has joined WASPC in strongly opposing these bills. However, the lack of unity among law enforcement groups regarding HB 1445 has made these challenges greater.

We will continue to keep a close eye on all these issues and will provide information for you as you discuss and communicate with your agency and community on these important issues.

As always, thanks for all you do and stay safe! Steve



Contact Info:

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(360) 486-2380

Steven D. Strachan, steve@waspc.org

Connect with Us:

Facebook

Twitter

This email was sent to mike@bwspolice.com by rharwood@waspc.org

Washington Association of Sheriffs and Police Chiefs • 3060 Willamette Drive NE, Lacey, Washington 98516,
United States

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City of White Salmon Fire Department/ Building Department

Report March 9, 2023

Responses:

The fire department responded to 21 calls from February 10 to March 9, 9 in the city of White Salmon and 12 mutual/automatic aid to other agencies. 11 calls were medical assist, 6 calls were fire related, 4 motor vehicle crashes.

Drills:

We drill every Tuesday 6:30 pm to 8:30 pm. We are accepting applications for volunteers no experience necessary.

I have completed 8 legacy short term rental fire safety inspections since my last report and several reinspection's for owners that needed to make corrections. This is a new program this year. All short-term rentals are required to have a safety inspection.

Four code enforcement letters have been issued. One was a complaint from a neighbor concerning roosters. Three line of sight/ bushes blocking sidewalk. One of the property owners has complied with the letter.

I attended a meeting with several DNR and Washington DOT employees to work on the shaded fuel break along highway 14. We should see brush removal this fall.

Erika, Jeff and I have had several meetings with Smartgov (Brightley Software) to provide information to implement the new building/planning/code enforcement software.

Respectfully submitted.

Bill Hunsaker

Fire Chief/ Building Official

**PO Box 2139
119 NE Church Ave.
White Salmon, WA 98672**

**Office: (509) 493-1133
Fax: (509) 493-1231
Web Site: white-salmon.net**



City of White Salmon Office of Public Works

Weekly report

Week of:	3/1-3/15/2023
-----------------	----------------------

Division:	Public Works
------------------	---------------------

Administration and Operations

Recent Activities

Mather & Sons where here March 1 did some pump testing at the Booster station should have a report soon. We are also getting a quote for Annual Maintenance contract to do this yearly as this will benefit us for budgeting for pump rebuilds, they can tell when the pump curve is starting to be less efficient. Out of the 3 pumps 2 are 23 years old never touched and 1 was rebuilt 9 years ago.

Meter reading is getting more efficient taking a day and half, also no rereads for the last 2-meter reading cycles.

Ethan Adkins started March 1 has already proven to be a great fit to the team has some great ideas and brings a new perspective for improvements for our parks. Ryan has been great at getting him trained and hopefully be on his own here next month. Ryan will continue to mentor him Ethan I'm sure can maintain the excellent job Ryan has been doing.

Scada is moving forward slowly but can't happen fast enough our computers are dying, losing data. If we lose data like we most recently did where both computers didn't record data, this becomes a violation with DOH. Andrew does the reports, and every violation or loss of data must have an explanation as to why and sometime the explanation doesn't matter and we must notify the public of the violation and what we did to fix the issue.

Currently the PW Team is due for Flagging certification and CPR First Aid which have been scheduled for this month and next month.

Not sure how it happens but almost weekly we are down at the RR crossing at park n ride fixing the barriers there for the train crossing. We would like to know if we can remove the 2 North to South concrete barriers. Not sure who is the contact for the quiet crossing.

Carshare is finally moving forward. Forth is supposed to have a contract to Coburn Electric. Once they have that Dennis with Coburn has informed me that he is hoping to have us on the schedule for March 23 and 24 for installation of the meter base and conduit for the 2 stations. We can then have inspection, backfill and pour concrete. Also, PUD can install the pole and transformer and then we are just waiting on Opt Connect for equipment.

DNR has picked up the grader for the year this contract if you're not aware is great. We only pay for the hours used; they even provide us the fuel during the use. The only stipulation they have for use is they only want 1 operator to run the machine. Jeff Lompa with the DNR has trained me in use of the grader and have been operating it for the last 7ish years.

Flower bed at City Hall on Jewett will soon be revamped. Ethan will be working with Sandi Dickie from Vanguard Nursery on some styles of plants to display a version of how to have a drought resistant flower bed that would only need to be watered hopefully 1 to 2 times a week. If anyone has ideas, please let Troy Rayburn or the Mayor know as we currently have a tight budget on this of \$500 which were donations that were made in 2022.

Andrew has been working very diligently on Chapters 5,6,7 of the water master plan. Chapter 6 has a rough draft done and submitted to Anderson & Perry. Chapter 5 is going to take some time, so we are having him in the office to try and focus on that only as much as possible.

We still have line of site issues all around the city I know that letters went out, but we need to move quickly some of the high traffic areas are going to be very dangerous in the coming months with all the leaves weighting the branches down. Along with low lying branches that make walking on sidewalks impossible in areas.

I will be on vacation March 13-17. Andrew will be making sure the city is running smoothly. His attention to detail is probably better than mine 😊. I feel Public Works has currently got the best crew ever!

Issues/Needs

- Mapping GIS. **Coming 2023
- Valve maintenance program. ** GIS coming 2023
- Fire hydrant maintenance program. ** GIS coming 2023
- Water main flushing program.
- Manhole and sewer main maintenance program. **We Flush sewer manholes 2x year
- PRV & Air relief maintenance program. **GIS coming 2023
- Storm drain mapping and maintenance program. **Clean catch basins 2x year
- Asphalt and sidewalk maintenance program. **On going pothole maintenance
- Jewett Blvd Manhole repair or replacement. **Coming 2023
- Los Altos tank cleaning and painting. **Coming 2024
- Reservoirs cleaned and inspected. ** Looking for quotes
- Bucket Truck** waiting for funds to purchase



PLANNING DEPARTMENT UPDATE

Department: Planning Department
Meeting Date: March 15, 2023
Presented By: Jeff Broderick, Planner

Master Plan Updates

- Shoreline Master Plan (SMP): There is a proposed joint City Council-Planning Commission-Department of Ecology meeting to learn more about this matter on April 12 at 5:30pm. Approval of the SMP is not part of this meeting and this meeting is open to the public.
- Transportation System Plan (TSP): As of Thursday March 9, 40 surveys had been completed and there had been about 300 total views of the plan. Staff is working on promoting this with newspaper ads coming out and contacting community groups to let them know their constituents have an opportunity to influence future transportation projects.

Housing Code Updates

- To allow more time for the planning department to focus on this, some current planning applications/categories of land use actions will be sent to an outside consultant for review with the first outsourced application expected to be sent out on March 13.
- Planning commissioners are reviewing sections of zoning code and coming up with potential changes. Jeff B is keeping a spreadsheet of potential code amendments as he comes across them when writing land use decisions.

Planning Updates

- The Four Oaks Subdivision preliminary plat findings and decision should be done by the time of the March 15 meeting. The Planning Commission will hear this matter at their March 22 meeting. Between the time this update is written and end of day March 15, Jeff B is focused on getting the recommended decision and conditions of approval written.
- Mailbox and annexation projects will gear up in the next couple of weeks once the Four Oaks Subdivision decision is complete.

Short-term Rentals

39 inspections for STR renewals have been completed and 35 2023 renewal letters have been issued. Four renewals are under review, two are incomplete and one did not reapply.